6416 U-007-304 .34

REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 5 - REFERENCE APPENDICES - VOLUME 3 OF 13 - APPENDIX H (CONTINUED) & APPENDIX I - ****DRAFT FINAL**** - OCTOBER 1994

10/31/94

DOE-FN 2000 REPORT

EPAS

REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 5

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

REFERENCE APPENDICES

VOLUME 3 OF 13

APPENDIX H (Continued), APPENDIX I

OCTOBER 1994

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DRAFT FINAL

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U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DRAFT FINAL

OU2 - Inactive Fly Ash Pile

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116462	116121	113492	116345	116346
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	FERMCO	FERMCO	IT	IT	IT
WELL OR BORING NUMBER:	11002	11005	11006	11048	11048
DEPTH:	16.5-17	18-18.5	22.5-24	21-22	21-22
DATE COLLECTED:	05-MAY-93	29-APR-93	26-APR-93	25-MAY-93	25-MAY-93
NORTH COORDINATE:	478192.94	478033.72	478013.62	478159.21	478159.21
EAST COORDINATE:	1378962.84	1379014.98	1379030.41	1378974.6	1378974.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM							9630.00 MG/KG		J						
ANTIMONY							1.30 MG/KG		UJ						
ARSENIC							6.70 MG/KG		-						
BARIUM							132.00 MG/KG		-						
BERYLLIUM							0.53 MG/KG		U						
CADMIUM							1.30 MG/KG		U						
CALCIUM							74100.00 MG/KG		J						
CHROMIUM							34.80 MG/KG		J						
COBALT							8.70 MG/KG		-						
COPPER							249.00 MG/KG		J						
CYANIDE							0.13 MG/KG		UJ						
IRON							19600.00 MG/KG		J						
LEAD							96.60 MG/KG		J						
MAGNESIUM							24300.00 MG/KG		J						
MANGANESE							576.00 MG/KG		-						
MERCURY							0.44 MG/KG		-						
MOLYBDENUM							8.70 MG/KG		-						
NICKEL							82.30 MG/KG		J						
POTASSIUM							2900.00 MG/KG		-						
SELENIUM							0.53 MG/KG		U						
SILICON							860.00 MG/KG		J						
SILVER							8.10 MG/KG		-						
SODIUM							486.00 MG/KG		-						
THALLIUM							0.53 MG/KG		U						
VANADIUM							19.50 MG/KG		-						
ZINC							383.00 MG/KG		J						
PESTICIDES															
4,4'-DDD							4.30 UG/KG		UJ						

SAMPLE NUMBER:	116462			116121			113492			116345			116346		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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															
4,4'-DDE							4.30 UG/KG		UJ						
4,4'-DDT							4.30 UG/KG		UJ						
ALDRIN							2.20 UG/KG		UJ						
ALPHA-BHC							2.20 UG/KG		UJ						
ALPHA-CHLORDANE							2.20 UG/KG		UJ						
AROCLOR-1016							43.00 UG/KG		UJ						
AROCLOR-1221							88.00 UG/KG		UJ						
AROCLOR-1232							43.00 UG/KG		UJ						
AROCLOR-1242							43.00 UG/KG		UJ						
AROCLOR-1248							43.00 UG/KG		UJ						
AROCLOR-1254							570.00 UG/KG		J						
AROCLOR-1260							43.00 UG/KG		UJ						
BETA-BHC							2.20 UG/KG		UJ						
DELTA-BHC							2.20 UG/KG		UJ						
DIELDRIN							4.30 UG/KG		UJ						
ENDOSULFAN II							4.30 UG/KG		UJ						
ENDOSULFAN SULFATE							4.30 UG/KG		UJ						
ENDOSULFAN-I							2.20 UG/KG		UJ						
ENDRIN							4.30 UG/KG		UJ						
ENDRIN ALDEHYDE							4.30 UG/KG		UJ						
ENDRIN KETONE							4.30 UG/KG		UJ						
GAMMA-BHC (LINDANE)							2.20 UG/KG		UJ						
GAMMA-CHLORDANE							2.20 UG/KG		UJ						
HEPTACHLOR							2.20 UG/KG		UJ						
HEPTACHLOR EPOXIDE							2.20 UG/KG		UJ						
METHOXYCHLOR							22.00 UG/KG		UJ						
TOXAPHENE							220.00 UG/KG		UJ						
RADIONUCLIDES															
URANIUM-238							803.00 PCI/G	179	-						
URANIUM, TOTAL	11.00 MG/KG		UNV	12.00 MG/KG		NV	1714.00 MG/KG	243	-	10.30 MG/KG	2.8	-	9.18 MG/KG	2.66	-
URANIUM-234							771.00 PCI/G	172	-						
THORIUM-230							1.11 PCI/G	2.37	-						
RADIUM-226							9.74 PCI/G	.799	-	0.72 PCI/G	.11	-			
URANIUM-235/236							49.10 PCI/G	12	-						
THORIUM-232							1.12 PCI/G	.271	-						
THORIUM, TOTAL							10.30 MG/KG	2.49	-						
RADIUM-228							1.23 PCI/G	.347	-	0.73 PCI/G	.18	-			
THORIUM-228							1.03 PCI/G	.252	-						
NEPTUNIUM-237							0.20 PCI/G	.0508	UJ						
PLUTONIUM-239/240							0.20 PCI/G		UJ						
PLUTONIUM-238							0.20 PCI/G		UJ						
STRONTIUM-90							0.50 PCI/G		UJ						
TECHNETIUM-99							1.00 PCI/G		UJ						

SAMPLE NUMBER:	116462			116121			113492			116345			116346		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106							1.30 PCI/G		UJ	1.00 PCI/G		UJ			
CESIUM-137							0.20 PCI/G		UJ	0.20 PCI/G		UJ			
GROSS ALPHA							1132.00 PCI/G	232	J						
GROSS BETA							825.00 PCI/G	166	J						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							430.00 UG/KG		UJ						
1,2-DICHLOROBENZENE							430.00 UG/KG		UJ						
1,3-DICHLOROBENZENE							430.00 UG/KG		UJ						
1,4-DICHLOROBENZENE							430.00 UG/KG		UJ						
2,4,5-TRICHLOROPHENOL							1100.00 UG/KG		UJ						
2,4,6-TRICHLOROPHENOL							430.00 UG/KG		UJ						
2,4-DICHLOROPHENOL							430.00 UG/KG		UJ						
2,4-DIMETHYLPHENOL							430.00 UG/KG		UJ						
2,4-DINITROPHENOL							1100.00 UG/KG		UJ						
2,4-DINITROTOLUENE							430.00 UG/KG		UJ						
2,6-DINITROTOLUENE							430.00 UG/KG		UJ						
2-BENZYL-4-CHLOROPHENOL							430.00 UG/KG		UJ						
2-CHLORONAPHTHALENE							430.00 UG/KG		UJ						
2-CHLOROPHENOL							430.00 UG/KG		UJ						
2-METHYLNAPHTHALENE							430.00 UG/KG		UJ						
2-METHYLPHENOL							430.00 UG/KG		UJ						
2-NITROANILINE							1100.00 UG/KG		UJ						
2-NITROPHENOL							430.00 UG/KG		UJ						
3,3'-DICHLOROBENZIDINE							430.00 UG/KG		UJ						
3-NITROANILINE							1100.00 UG/KG		UJ						
4,6-DINITRO-2-METHYLPHENOL							1100.00 UG/KG		UJ						
4-BROMOPHENYL PHENYL ETHER							430.00 UG/KG		UJ						
4-CHLORO-3-METHYLPHENOL							430.00 UG/KG		UJ						
4-CHLOROPHENYLPHENYL ETHER							430.00 UG/KG		UJ						
4-METHYLPHENOL							10.00 UG/KG		J						
4-NITROANILINE							1100.00 UG/KG		UJ						
4-NITROPHENOL							1100.00 UG/KG		UJ						
ACENAPHTHENE							430.00 UG/KG		UJ						
ACENAPHTHYLENE							430.00 UG/KG		UJ						
ANTHRACENE							3.00 UG/KG		J						
BENZO(A)ANTHRACENE							8.00 UG/KG		J						
BENZO(A)PYRENE							7.00 UG/KG		J						
BENZO(B)FLUORANTHENE							5.00 UG/KG		J						
BENZO(G,H,I)PERYLENE							4.00 UG/KG		J						
BENZO(K)FLUORANTHENE							6.00 UG/KG		J						
BENZOIC ACID							2100.00 UG/KG		U						
BENZYL ALCOHOL							430.00 UG/KG		UJ						
BIS(2-CHLOROETHOXY)METHANE							430.00 UG/KG		UJ						

SAMPLE NUMBER:	116462			116121			113492			116345			116346		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER							430.00 UG/KG		UJ						
BIS(2-CHLOROISOPROPYL) ETHER							430.00 UG/KG		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							2.00 UG/KG		J						
BUTYL BENZYL PHTHALATE							430.00 UG/KG		UJ						
CARBAZOLE							1.00 UG/KG		J						
CHRYSENE							8.00 UG/KG		J						
DI-N-BUTYL PHTHALATE							430.00 UG/KG		UJ						
DI-N-OCTYL PHTHALATE							430.00 UG/KG		UJ						
DIBENZO(A,H)ANTHRACENE							2.00 UG/KG		J						
DIBENZOFURAN							430.00 UG/KG		UJ						
DIETHYL PHTHALATE							430.00 UG/KG		UJ						
DIMETHYL PHTHALATE							430.00 UG/KG		UJ						
FLUORANTHENE							16.00 UG/KG		J						
FLUORENE							430.00 UG/KG		UJ						
HEXACHLOROBENZENE							430.00 UG/KG		UJ						
HEXACHLOROBUTADIENE							430.00 UG/KG		UJ						
HEXACHLOROCYCLOPENTADIENE							430.00 UG/KG		UJ						
HEXACHLOROETHANE							430.00 UG/KG		UJ						
INDENO(1,2,3-CD)PYRENE							4.00 UG/KG		J						
ISOPHORONE							4.00 UG/KG		J						
N-NITROSO-DI-N-PROPYLAMINE							430.00 UG/KG		UJ						
N-NITROSODIMETHYLAMINE							430.00 UG/KG		UJ						
N-NITROSODIPHENYLAMINE							430.00 UG/KG		UJ						
NAPHTHALENE							430.00 UG/KG		UJ						
NITROBENZENE							430.00 UG/KG		UJ						
P-CHLOROANILINE							430.00 UG/KG		UJ						
PENTACHLOROPHENOL							1100.00 UG/KG		UJ						
PHENANTHRENE							10.00 UG/KG		J						
PHENOL							2.00 UG/KG		J						
PYRENE							14.00 UG/KG		J						
TRIBUTYL PHOSPHATE							2.00 UG/KG		J						

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116349	116350	116355	116360	116451
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	INORGANICS-EPM	INORGANICS-EPM	IT
WELL OR BORING NUMBER:	11048	11048	11049	11049	11050
DEPTH:	26-27.5	26-27.5	6.5-8	11-12.5	10-12
DATE COLLECTED:	26-MAY-93	26-MAY-93	27-MAY-93	28-MAY-93	03-JUN-93
NORTH COORDINATE:	478159.21	478159.21	478207.49	478207.49	478172.18
EAST COORDINATE:	1378974.6	1378974.6	1379013.23	1379013.23	1378937.21
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM, TOTAL	0.85 MG/KG		UJ	1.60 MG/KG		UJ	11.00 MG/KG		UNV	11.00 MG/KG		UNV	4.74 MG/KG	2.74	-
RADIUM-226	0.57 PCI/G	.11	-												
THORIUM, TOTAL							18.00 MG/KG		UNV	18.00 MG/KG		UNV			
RADIUM-228	0.50 PCI/G	.19	UJ												
RUTHENIUM-106	1.00 PCI/G		UJ												
CESIUM-137	0.20 PCI/G		UJ												

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116452	116453	116456	116457	116458
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	INORGANICS-EPM	INORGANICS-EPM	IT	IT
WELL OR BORING NUMBER:	11050	11050	11050	11050	11050
DEPTH:	10-12	10-12	16-18	16-18	16-18
DATE COLLECTED:	03-JUN-93	03-JUN-93	07-JUN-93	07-JUN-93	07-JUN-93
NORTH COORDINATE:	478172.18	478172.18	478172.18	478172.18	478172.18
EAST COORDINATE:	1378937.21	1378937.21	1378937.21	1378937.21	1378937.21
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM, TOTAL	6.70 MG/KG	3.18	-	11.00 MG/KG		UNV	11.00 MG/KG		UNV	8.18 MG/KG	3.17	-	2.67 MG/KG	2.64	-
RADIUM-226	0.77 PCI/G	.15	-							1.07 PCI/G	.15	-			
THORIUM, TOTAL				18.00 MG/KG		UNV	18.00 MG/KG		UNV						
RADIUM-228	0.80 PCI/G	.23	-							1.49 PCI/G	.26	-			
RUTHENIUM-106	1.00 PCI/G		UJ							1.00 PCI/G		UJ			
CESIUM-137	0.20 PCI/G		UJ							0.20 PCI/G		UJ			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116438	116441	116447	116448	116433
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	11051	11051	11051	11051	11052
DEPTH:	21-22	22-24	28-30	28-30	25-27
DATE COLLECTED:	27-MAY-93	27-MAY-93	27-MAY-93	27-MAY-93	25-MAY-93
NORTH COORDINATE:	477985.59	477985.59	477985.59	477985.59	478012.5
EAST COORDINATE:	1379026.36	1379026.36	1379026.36	1379026.36	1379007.41
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM				12200.00 MG/KG		-									
ANTIMONY				3.30 MG/KG		UJ									
ARSENIC				49.70 MG/KG		-									
BARIUM				220.00 MG/KG		-									
BERYLLIUM				1.10 MG/KG		-									
CADMIUM				1.30 MG/KG		U									
CALCIUM				64400.00 MG/KG		-									
CHROMIUM				32.10 MG/KG		-									
COBALT				18.20 MG/KG		-									
COPPER				258.00 MG/KG		-									
CYANIDE				0.16 MG/KG		-									
IRON				22600.00 MG/KG		-									
LEAD				400.00 MG/KG		-									
MAGNESIUM				15200.00 MG/KG		-									
MANGANESE				858.00 MG/KG		-									
MERCURY				0.51 MG/KG		J									
MOLYBDENUM				9.20 MG/KG		-									
NICKEL				65.10 MG/KG		-									
POTASSIUM				2060.00 MG/KG		-									
SELENIUM				0.98 MG/KG		J									
SILICON				1250.00 MG/KG		J									
SILVER				9.40 MG/KG		-									
SODIUM				663.00 MG/KG		-									
THALLIUM				0.54 MG/KG		U									
VANADIUM				24.10 MG/KG		-									
ZINC				372.00 MG/KG		-									
PESTICIDES															
4,4'-DDD				4.50 UG/KG		UJ									

SAMPLE NUMBER:	116438			116441			116447			116448			116433		
LAB:				IT/RSL											
SUFFIX/FILTERFLAG:	-			NONE-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															
4,4'-DDE				4.50 UG/KG		UJ									
4,4'-DDT				4.50 UG/KG		UJ									
ALDRIN				2.30 UG/KG		UJ									
ALPHA-BHC				2.30 UG/KG		UJ									
ALPHA-CHLORDANE				2.30 UG/KG		UJ									
AROCLOR-1016				45.00 UG/KG		UJ									
AROCLOR-1221				91.00 UG/KG		UJ									
AROCLOR-1232				45.00 UG/KG		UJ									
AROCLOR-1242				45.00 UG/KG		UJ									
AROCLOR-1248				45.00 UG/KG		UJ									
AROCLOR-1254				180.00 UG/KG		J									
AROCLOR-1260				45.00 UG/KG		UJ									
BETA-BHC				2.30 UG/KG		UJ									
DELTA-BHC				2.30 UG/KG		UJ									
DIELDRIN				4.50 UG/KG		UJ									
ENDOSULFAN II				4.50 UG/KG		UJ									
ENDOSULFAN SULFATE				4.50 UG/KG		UJ									
ENDOSULFAN-I				2.30 UG/KG		UJ									
ENDRIN				4.50 UG/KG		UJ									
ENDRIN ALDEHYDE				4.50 UG/KG		UJ									
ENDRIN KETONE				4.50 UG/KG		UJ									
GAMMA-BHC (LINDANE)				2.30 UG/KG		UJ									
GAMMA-CHLORDANE				2.30 UG/KG		UJ									
HEPTACHLOR				2.30 UG/KG		UJ									
HEPTACHLOR EPOXIDE				2.30 UG/KG		UJ									
METHOXYCHLOR				23.00 UG/KG		UJ									
TOXAPHENE				230.00 UG/KG		UJ									
RADIONUCLIDES															
URANIUM-238	1570.00 PCI/G	370	-	763.00 PCI/G	165	-									
URANIUM, TOTAL	3580.00 MG/KG	510	-	2280.00 MG/KG	320	-	15.10 MG/KG	3.8	-	7.07 MG/KG	2.74	-	4.35 MG/KG	2.66	-
URANIUM-234	1380.00 PCI/G	320	-	726.00 PCI/G	157	-									
THORIUM-230	121.00 PCI/G	26	-	74.90 PCI/G	16.6	-									
RADIUM-226	37.80 PCI/G	2.7	-	42.30 PCI/G	3.1	-				0.83 PCI/G	.15	-			
URANIUM-235/236	68.80 PCI/G	18.8	-	35.50 PCI/G	10	-									
THORIUM-232	2.54 PCI/G	1.026	-	1.77 PCI/G	.6057	-									
THORIUM, TOTAL	23.10 MG/KG	9.4	-	16.10 MG/KG	5.5	-									
RADIUM-228	3.04 PCI/G	.71	-	2.29 PCI/G	.56	-				0.74 PCI/G	.24	-			
THORIUM-228	2.44 PCI/G	1.01	-	1.38 PCI/G	.53	-									
NEPTUNIUM-237	37.30 PCI/G	9.9	N	1.91 PCI/G	.5305	N									
PLUTONIUM-239/240	1.77 PCI/G	.94	J	0.38 PCI/G	.171	J									
PLUTONIUM-238	1.85 PCI/G	.94	J	0.43 PCI/G	.184	J									
STRONTIUM-90	0.86 PCI/G	.141	J	0.50 PCI/G		UJ									
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ									

SAMPLE NUMBER:	116438			116441			116447			116448			116433		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	2.54 PCI/G		UJ	1.98 PCI/G		UJ				1.00 PCI/G		UJ			
CESIUM-137	0.29 PCI/G		UJ	0.23 PCI/G		UJ				0.20 PCI/G		UJ			
GROSS ALPHA	2030.00 PCI/G	410	J	1490.00 PCI/G	300	J									
GROSS BETA	1810.00 PCI/G	360	-	1210.00 PCI/G	240	-									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				450.00 UG/KG		U									
1,2-DICHLOROBENZENE				450.00 UG/KG		U									
1,3-DICHLOROBENZENE				450.00 UG/KG		U									
1,4-DICHLOROBENZENE				450.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				1100.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				450.00 UG/KG		U									
2,4-DICHLOROPHENOL				450.00 UG/KG		U									
2,4-DIMETHYLPHENOL				450.00 UG/KG		U									
2,4-DINITROPHENOL				2200.00 UG/KG		UJ									
2,4-DINITROTOLUENE				450.00 UG/KG		U									
2,6-DINITROTOLUENE				450.00 UG/KG		U									
2-BENZYL-4-CHLOROPHENOL				450.00 UG/KG		UJ									
2-CHLORONAPHTHALENE				450.00 UG/KG		U									
2-CHLOROPHENOL				450.00 UG/KG		U									
2-METHYLNAPHTHALENE				450.00 UG/KG		U									
2-METHYLPHENOL				450.00 UG/KG		U									
2-NITROANILINE				1100.00 UG/KG		U									
2-NITROPHENOL				450.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				450.00 UG/KG		U									
3-NITROANILINE				1100.00 UG/KG		U									
4,6-DINITRO-2-METHYLPHENOL				1100.00 UG/KG		U									
4-BROMOPHENYL PHENYL ETHER				450.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				450.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				450.00 UG/KG		U									
4-METHYLPHENOL				54.00 UG/KG		J									
4-NITROANILINE				1100.00 UG/KG		U									
4-NITROPHENOL				1100.00 UG/KG		U									
ACENAPHTHENE				450.00 UG/KG		U									
ACENAPHTHYLENE				450.00 UG/KG		U									
ANTHRACENE				450.00 UG/KG		U									
BENZO(A)ANTHRACENE				100.00 UG/KG		J									
BENZO(A)PYRENE				88.00 UG/KG		J									
BENZO(B)FLUORANTHENE				81.00 UG/KG		J									
BENZO(G,H,I)PERYLENE				57.00 UG/KG		J									
BENZO(K)FLUORANTHENE				84.00 UG/KG		J									
BENZOIC ACID				2200.00 UG/KG		U									
BENZYL ALCOHOL				450.00 UG/KG		UR									
BIS(2-CHLOROETHOXY)METHANE				450.00 UG/KG		U									

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116438			116441			116447			116448			116433		
LAB:				IT/MWL											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER				450.00 UG/KG		U									
BIS(2-CHLOROISOPROPYL) ETHER				450.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				160.00 UG/KG		J									
BUTYL BENZYL PHTHALATE				450.00 UG/KG		U									
CARBAZOLE				450.00 UG/KG		U									
CHRYSENE				110.00 UG/KG		J									
DI-N-BUTYL PHTHALATE				55.00 UG/KG		J									
DI-N-OCTYL PHTHALATE				450.00 UG/KG		UJ									
DIBENZO(A,H)ANTHRACENE				450.00 UG/KG		UJ									
DIBENZOFURAN				450.00 UG/KG		U									
DIETHYL PHTHALATE				450.00 UG/KG		U									
DIMETHYL PHTHALATE				450.00 UG/KG		U									
FLUORANTHENE				260.00 UG/KG		J									
FLUORENE				450.00 UG/KG		U									
HEXACHLOROBENZENE				450.00 UG/KG		U									
HEXACHLOROBUTADIENE				450.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				450.00 UG/KG		U									
HEXACHLOROETHANE				450.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				46.00 UG/KG		J									
ISOPHORONE				450.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				450.00 UG/KG		U									
N-NITROSODIMETHYLAMINE				450.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				450.00 UG/KG		U									
NAPHTHALENE				450.00 UG/KG		U									
NITROBENZENE				450.00 UG/KG		U									
P-CHLOROANILINE				450.00 UG/KG		U									
PENTACHLOROPHENOL				1100.00 UG/KG		U									
PHENANTHRENE				210.00 UG/KG		J									
PHENOL				450.00 UG/KG		U									
PYRENE				220.00 UG/KG		J									
TRIBUTYL PHOSPHATE				200.00 UG/KG		J									
VOLATILES															
1,1,1-TRICHLOROETHANE				14.00 UG/KG		U									
1,1,2,2-TETRACHLOROETHANE				14.00 UG/KG		U									
1,1,2-TRICHLOROETHANE				14.00 UG/KG		U									
1,1-DICHLOROETHANE				14.00 UG/KG		U									
1,1-DICHLOROETHENE				14.00 UG/KG		U									
1,2-DICHLOROETHANE				14.00 UG/KG		UJ									
1,2-DICHLOROETHENE (TOTAL)				14.00 UG/KG		U									
1,2-DICHLOROPROPANE				14.00 UG/KG		U									
2-BUTANONE				14.00 UG/KG		U									
2-HEXANONE				14.00 UG/KG		U									
4-METHYL-2-PENTANONE				14.00 UG/KG		U									

SAMPLE NUMBER:	116438			116441			116447			116448			116433		
LAB:				IT/RSL											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
ACETONE				14.00 UG/KG		U									
BENZENE				14.00 UG/KG		U									
BROMODICHLOROMETHANE				14.00 UG/KG		U									
BROMOFORM				14.00 UG/KG		U									
BROMOMETHANE				14.00 UG/KG		U									
CARBON DISULFIDE				14.00 UG/KG		U									
CARBON TETRACHLORIDE				14.00 UG/KG		U									
CHLOROBENZENE				14.00 UG/KG		U									
CHLOROETHANE				14.00 UG/KG		U									
CHLOROFORM				14.00 UG/KG		U									
CHLOROMETHANE				14.00 UG/KG		U									
CIS-1,3-DICHLOROPROPENE				14.00 UG/KG		U									
DIBROMOCHLOROMETHANE				14.00 UG/KG		U									
ETHYLBENZENE				14.00 UG/KG		U									
METHYLENE CHLORIDE				14.00 UG/KG		U									
STYRENE				14.00 UG/KG		U									
TETRACHLOROETHENE				14.00 UG/KG		U									
TOLUENE				14.00 UG/KG		U									
TRANS-1,3-DICHLOROPROPENE				14.00 UG/KG		U									
TRICHLOROETHENE				14.00 UG/KG		U									
VINYL ACETATE				14.00 UG/KG		U									
VINYL CHLORIDE				14.00 UG/KG		U									
XYLENES, TOTAL				14.00 UG/KG		U									

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116427	116419	116423	116421	116425
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	11052	11053	11053	11053	11053
DEPTH:	19-21	18-20	18-20	24-26	24-26
DATE COLLECTED:	25-MAY-93	20-MAY-93	20-MAY-93	21-MAY-93	21-MAY-93
NORTH COORDINATE:	478012.5	478007.29	478007.29	478007.29	478007.29
EAST COORDINATE:	1379007.41	1379053.79	1379053.79	1379053.79	1379053.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	13900.00 MG/KG		-												
ANTIMONY	2.10 MG/KG		J												
ARSENIC	35.50 MG/KG		-												
BARIUM	222.00 MG/KG		-												
BERYLLIUM	1.60 MG/KG		-												
CADMIUM	1.30 MG/KG		U												
CALCIUM	31400.00 MG/KG		-												
CHROMIUM	22.00 MG/KG		-												
COBALT	14.60 MG/KG		-												
COPPER	92.30 MG/KG		-												
CYANIDE	0.13 MG/KG		U												
IRON	20100.00 MG/KG		-												
LEAD	193.00 MG/KG		-												
MAGNESIUM	9120.00 MG/KG		-												
MANGANESE	432.00 MG/KG		-												
MERCURY	0.46 MG/KG		-												
MOLYBDENUM	7.40 MG/KG		-												
NICKEL	54.40 MG/KG		-												
POTASSIUM	2050.00 MG/KG		-												
SELENIUM	1.80 MG/KG		-												
SILICON	1090.00 MG/KG		-												
SILVER	7.90 MG/KG		-												
SODIUM	225.00 MG/KG		-												
THALLIUM	0.53 MG/KG		U												
VANADIUM	41.30 MG/KG		-												
ZINC	324.00 MG/KG		-												
PESTICIDES															
4,4'-DDD	4.50 UG/KG		U												

SAMPLE NUMBER:	116427			116419			116423			116421			116425		
LAB:	IT/RSL														
SUFFIX/FILTERFLAG:	NONE-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															
4,4'-DDE	4.50 UG/KG		U												
4,4'-DDT	4.50 UG/KG		U												
ALDRIN	2.30 UG/KG		U												
ALPHA-BHC	2.30 UG/KG		U												
ALPHA-CHLORDANE	2.30 UG/KG		U												
AROCLOR-1016	45.00 UG/KG		U												
AROCLOR-1221	92.00 UG/KG		U												
AROCLOR-1232	45.00 UG/KG		U												
AROCLOR-1242	45.00 UG/KG		U												
AROCLOR-1248	45.00 UG/KG		U												
AROCLOR-1254	45.00 UG/KG		U												
AROCLOR-1260	45.00 UG/KG		U												
BETA-BHC	2.30 UG/KG		U												
DELTA-BHC	2.30 UG/KG		UJ												
DIELDRIN	4.50 UG/KG		U												
ENDOSULFAN II	4.50 UG/KG		U												
ENDOSULFAN SULFATE	4.50 UG/KG		U												
ENDOSULFAN-I	2.30 UG/KG		U												
ENDRIN	4.50 UG/KG		U												
ENDRIN ALDEHYDE	4.50 UG/KG		UJ												
ENDRIN KETONE	4.50 UG/KG		U												
GAMMA-BHC (LINDANE)	2.30 UG/KG		U												
GAMMA-CHLORDANE	2.30 UG/KG		U												
HEPTACHLOR	2.30 UG/KG		U												
HEPTACHLOR EPOXIDE	2.30 UG/KG		U												
METHOXYCHLOR	23.00 UG/KG		U												
TOXAPHENE	230.00 UG/KG		U												
RADIONUCLIDES															
URANIUM-238	115.80 PCI/G	24.74	J												
URANIUM, TOTAL	294.00 MG/KG	42	-	4.73 MG/KG	2.42	-	0.76 MG/KG		UJ	2.78 MG/KG	2.25	-	2.75 MG/KG	2.43	-
URANIUM-234	106.50 PCI/G	22.8	J												
THORIUM-230	8.02 PCI/G	1.79	-												
RADIUM-226	4.06 PCI/G	.4	-				0.64 PCI/G	.12	-				0.67 PCI/G	.12	-
URANIUM-235/236	5.76 PCI/G	1.87	J												
THORIUM-232	1.35 PCI/G	.3484	-												
THORIUM, TOTAL	12.30 MG/KG	3.2	-												
RADIUM-228	1.60 PCI/G	.32	-				0.51 PCI/G	.2	-				0.50 PCI/G	.19	UJ
THORIUM-228	1.41 PCI/G	.36	-												
NEPTUNIUM-237	0.31 PCI/G	.0976	N												
PLUTONIUM-239/240	0.20 PCI/G	.027	UJ												
PLUTONIUM-238	0.20 PCI/G	.02	U												
STRONTIUM-90	0.50 PCI/G	.12	UJ												
TECHNETIUM-99	1.00 PCI/G		UJ												

SAMPLE NUMBER:	116427			116419			116423			116421			116425		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		UJ				1.00 PCI/G		UJ				1.00 PCI/G		UJ
CESIUM-137	0.20 PCI/G		UJ				0.20 PCI/G		UJ				0.20 PCI/G		UJ
GROSS ALPHA	214.00 PCI/G	48	J												
GROSS BETA	166.00 PCI/G	34	J												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	440.00 UG/KG		U												
1,2-DICHLOROBENZENE	440.00 UG/KG		U												
1,3-DICHLOROBENZENE	440.00 UG/KG		U												
1,4-DICHLOROBENZENE	440.00 UG/KG		U												
2,4,5-TRICHLOROPHENOL	1100.00 UG/KG		U												
2,4,6-TRICHLOROPHENOL	440.00 UG/KG		U												
2,4-DICHLOROPHENOL	440.00 UG/KG		U												
2,4-DIMETHYLPHENOL	440.00 UG/KG		U												
2,4-DINITROPHENOL	1100.00 UG/KG		UJ												
2,4-DINITROTOLUENE	440.00 UG/KG		U												
2,6-DINITROTOLUENE	440.00 UG/KG		U												
2-BENZYL-4-CHLOROPHENOL	440.00 UG/KG		U												
2-CHLORONAPHTHALENE	440.00 UG/KG		U												
2-CHLOROPHENOL	440.00 UG/KG		U												
2-METHYLNAPHTHALENE	440.00 UG/KG		U												
2-METHYLPHENOL	440.00 UG/KG		U												
2-NITROANILINE	1100.00 UG/KG		U												
2-NITROPHENOL	440.00 UG/KG		U												
3,3'-DICHLOROBENZIDINE	440.00 UG/KG		U												
3-NITROANILINE	1100.00 UG/KG		U												
4,6-DINITRO-2-METHYLPHENOL	1100.00 UG/KG		U												
4-BROMOPHENYL PHENYL ETHER	440.00 UG/KG		U												
4-CHLORO-3-METHYLPHENOL	440.00 UG/KG		U												
4-CHLOROPHENYLPHENYL ETHER	440.00 UG/KG		U												
4-METHYLPHENOL	440.00 UG/KG		U												
4-NITROANILINE	1100.00 UG/KG		U												
4-NITROPHENOL	1100.00 UG/KG		U												
ACENAPHTHENE	440.00 UG/KG		U												
ACENAPHTHYLENE	440.00 UG/KG		U												
ANTHRACENE	440.00 UG/KG		U												
BENZO(A)ANTHRACENE	440.00 UG/KG		U												
BENZO(A)PYRENE	440.00 UG/KG		U												
BENZO(B)FLUORANTHENE	440.00 UG/KG		U												
BENZO(G,H,I)PERYLENE	440.00 UG/KG		U												
BENZO(K)FLUORANTHENE	440.00 UG/KG		U												
BENZOIC ACID	2100.00 UG/KG		UJ												
BENZYL ALCOHOL	440.00 UG/KG		UR												
BIS(2-CHLOROETHOXY)METHANE	440.00 UG/KG		U												

SAMPLE NUMBER:	116427			116419			116423			116421			116425		
LAB:	IT/RSL														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER	440.00 UG/KG		U												
BIS(2-CHLOROISOPROPYL) ETHER	440.00 UG/KG		U												
BIS(2-ETHYLHEXYL)PHTHALATE	52.00 UG/KG		J												
BUTYL BENZYL PHTHALATE	440.00 UG/KG		U												
CARBAZOLE	440.00 UG/KG		U												
CHRYSENE	440.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	440.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	440.00 UG/KG		U												
DIBENZO(A,H)ANTHRACENE	440.00 UG/KG		U												
DIBENZOFURAN	440.00 UG/KG		U												
DIETHYL PHTHALATE	440.00 UG/KG		U												
DIMETHYL PHTHALATE	440.00 UG/KG		U												
FLUORANTHENE	440.00 UG/KG		U												
FLUORENE	440.00 UG/KG		U												
HEXACHLOROBENZENE	440.00 UG/KG		U												
HEXACHLOROBUTADIENE	440.00 UG/KG		U												
HEXACHLOROCYCLOPENTADIENE	440.00 UG/KG		U												
HEXACHLOROETHANE	440.00 UG/KG		U												
INDENO(1,2,3-CD)PYRENE	440.00 UG/KG		U												
ISOPHORONE	440.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	440.00 UG/KG		U												
N-NITROSODIMETHYLAMINE	440.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	440.00 UG/KG		U												
NAPHTHALENE	440.00 UG/KG		U												
NITROBENZENE	440.00 UG/KG		U												
P-CHLOROANILINE	440.00 UG/KG		U												
PENTACHLOROPHENOL	1100.00 UG/KG		U												
PHENANTHRENE	440.00 UG/KG		U												
PHENOL	440.00 UG/KG		U												
PYRENE	440.00 UG/KG		U												
TRIBUTYL PHOSPHATE	440.00 UG/KG		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	14.00 UG/KG		U												
1,1,2,2-TETRACHLOROETHANE	14.00 UG/KG		U												
1,1,2-TRICHLOROETHANE	14.00 UG/KG		U												
1,1-DICHLOROETHANE	14.00 UG/KG		U												
1,1-DICHLOROETHENE	14.00 UG/KG		U												
1,2-DICHLOROETHANE	14.00 UG/KG		U												
1,2-DICHLOROETHENE (TOTAL)	14.00 UG/KG		U												
1,2-DICHLOROPROPANE	14.00 UG/KG		U												
2-BUTANONE	14.00 UG/KG		U												
2-HEXANONE	14.00 UG/KG		U												
4-METHYL-2-PENTANONE	14.00 UG/KG		U												

SAMPLE NUMBER:	116427			116419			116423			116421			116425		
LAB:	IT/RSL														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
ACETONE	6.00 UG/KG		J												
BENZENE	14.00 UG/KG		U												
BROMODICHLOROMETHANE	14.00 UG/KG		U												
BROMOFORM	14.00 UG/KG		U												
BROMOMETHANE	14.00 UG/KG		U												
CARBON DISULFIDE	14.00 UG/KG		U												
CARBON TETRACHLORIDE	14.00 UG/KG		U												
CHLOROBENZENE	14.00 UG/KG		U												
CHLOROETHANE	14.00 UG/KG		U												
CHLOROFORM	14.00 UG/KG		U												
CHLOROMETHANE	14.00 UG/KG		UJ												
CIS-1,3-DICHLOROPROPENE	14.00 UG/KG		U												
DIBROMOCHLOROMETHANE	14.00 UG/KG		U												
ETHYLBENZENE	14.00 UG/KG		U												
METHYLENE CHLORIDE	14.00 UG/KG		U												
STYRENE	14.00 UG/KG		U												
TETRACHLOROETHENE	14.00 UG/KG		U												
TOLUENE	14.00 UG/KG		U												
TRANS-1,3-DICHLOROPROPENE	14.00 UG/KG		U												
TRICHLOROETHENE	14.00 UG/KG		U												
VINYL ACETATE	14.00 UG/KG		U												
VINYL CHLORIDE	14.00 UG/KG		U												
XYLENES, TOTAL	14.00 UG/KG		U												

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116340	116341	116331	116332	116335
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	11054	11054	11055	11055	11056
DEPTH:	16-17	23-24	16-18	23.5-25	17-18
DATE COLLECTED:	21-MAY-93	21-MAY-93	19-MAY-93	19-MAY-93	20-MAY-93
NORTH COORDINATE:	477832.87	477832.87	477810.59	477810.59	477814.54
EAST COORDINATE:	1379123.03	1379123.03	1379125.56	1379125.56	1379102.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	RE-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															
4,4'-DDD	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
4,4'-DDE	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
4,4'-DDT	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
ALDRIN	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
ALPHA-BHC	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
ALPHA-CHLORDANE	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
AROCLOR-1016	34.00 UG/KG		U	36.00 UG/KG		U	46.00 UG/KG		U	35.00 UG/KG		U	57.00 UG/KG		U
AROCLOR-1221	70.00 UG/KG		U	74.00 UG/KG		U	94.00 UG/KG		U	71.00 UG/KG		U	120.00 UG/KG		U
AROCLOR-1232	34.00 UG/KG		U	36.00 UG/KG		U	46.00 UG/KG		U	35.00 UG/KG		U	57.00 UG/KG		U
AROCLOR-1242	34.00 UG/KG		U	36.00 UG/KG		U	46.00 UG/KG		U	35.00 UG/KG		U	57.00 UG/KG		U
AROCLOR-1248	34.00 UG/KG		U	36.00 UG/KG		U	46.00 UG/KG		U	35.00 UG/KG		U	57.00 UG/KG		U
AROCLOR-1254	34.00 UG/KG		U	36.00 UG/KG		U	46.00 UG/KG		U	35.00 UG/KG		U	57.00 UG/KG		U
AROCLOR-1260	34.00 UG/KG		U	36.00 UG/KG		U	46.00 UG/KG		U	35.00 UG/KG		U	57.00 UG/KG		U
BETA-BHC	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
DELTA-BHC	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
DIELDRIN	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
ENDOSULFAN II	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
ENDOSULFAN SULFATE	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
ENDOSULFAN-I	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
ENDRIN	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
ENDRIN ALDEHYDE	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
ENDRIN KETONE	3.40 UG/KG		U	3.60 UG/KG		U	4.60 UG/KG		U	3.50 UG/KG		U	5.70 UG/KG		U
GAMMA-BHC (LINDANE)	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
GAMMA-CHLORDANE	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
HEPTACHLOR	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
HEPTACHLOR EPOXIDE	1.80 UG/KG		U	1.90 UG/KG		U	2.40 UG/KG		U	1.80 UG/KG		U	3.00 UG/KG		U
METHOXYCHLOR	18.00 UG/KG		U	19.00 UG/KG		U	24.00 UG/KG		U	18.00 UG/KG		U	30.00 UG/KG		U
TOXAPHENE	180.00 UG/KG		U	190.00 UG/KG		U	240.00 UG/KG		U	180.00 UG/KG		U	300.00 UG/KG		U

000022

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U

SAMPLE NUMBER:	116340			116341			116331			116332			116335		
LAB:	IT			IT			IT			IT			ITAS		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
1,2-DICHLOROBENZENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
1,3-DICHLOROBENZENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
1,4-DICHLOROBENZENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	840.00 UG/KG		U	900.00 UG/KG		U	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2,4-DICHLOROPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2,4-DIMETHYLPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2,4-DINITROPHENOL	840.00 UG/KG		UJ	900.00 UG/KG		UJ	1100.00 UG/KG		UJ	830.00 UG/KG		UJ	1400.00 UG/KG		UJ
2,4-DINITROTOLUENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2,6-DINITROTOLUENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2-CHLORONAPHTHALENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2-CHLOROPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2-METHYLNAPHTHALENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2-METHYLPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
2-NITROANILINE	840.00 UG/KG		U	900.00 UG/KG		U	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		U
2-NITROPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
3,3'-DICHLOROBENZIDINE	350.00 UG/KG		UJ	370.00 UG/KG		UJ	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		UJ
3-NITROANILINE	840.00 UG/KG		UR	900.00 UG/KG		UR	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		UR
4,6-DINITRO-2-METHYLPHENOL	840.00 UG/KG		U	900.00 UG/KG		U	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
4-METHYLPHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
4-NITROANILINE	840.00 UG/KG		UJ	900.00 UG/KG		UJ	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		UJ
4-NITROPHENOL	840.00 UG/KG		U	900.00 UG/KG		U	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		U
ACENAPHTHENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
ACENAPHTHYLENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
ANTHRACENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BENZO(A)ANTHRACENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BENZO(A)PYRENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BENZO(B)FLUORANTHENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BENZO(G,H,I)PERYLENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BENZO(K)FLUORANTHENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE	54.00 UG/KG		J	46.00 UG/KG		J	48.00 UG/KG		J	36.00 UG/KG		J	570.00 UG/KG		U
BUTYL BENZYL PHTHALATE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
CARBAZOLE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
CHRYSENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
DI-N-BUTYL PHTHALATE	350.00 UG/KG		U	370.00 UG/KG		U	59.00 UG/KG		J	340.00 UG/KG		U	570.00 UG/KG		U

SAMPLE NUMBER:	116340			116341			116331			116332			116335		
LAB:	IT			IT			IT			IT			ITAS		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
DI-N-OCTYL PHTHALATE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
DIBENZOFURAN	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
DIETHYL PHTHALATE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
DIMETHYL PHTHALATE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
FLUORANTHENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
FLUORENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
HEXACHLOROBENZENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
HEXACHLOROBUTADIENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		UJ	340.00 UG/KG		UJ	570.00 UG/KG		U
HEXACHLOROETHANE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
ISOPHORONE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
N-NITROSODIPHENYLAMINE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
NAPHTHALENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
NITROBENZENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
P-CHLOROANILINE	350.00 UG/KG		UJ	370.00 UG/KG		UJ	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		UJ
PENTACHLOROPHENOL	840.00 UG/KG		U	900.00 UG/KG		U	1100.00 UG/KG		U	830.00 UG/KG		U	1400.00 UG/KG		U
PHENANTHRENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
PHENOL	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
PYRENE	350.00 UG/KG		U	370.00 UG/KG		U	460.00 UG/KG		U	340.00 UG/KG		U	570.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE	10.00 UG/KG		U	11.00 UG/KG		U	8.00 UG/KG		J	10.00 UG/KG		U	12.00 UG/KG		J
1,1,2,2-TETRACHLOROETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UR
1,1,2-TRICHLOROETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
1,1-DICHLOROETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
1,1-DICHLOROETHENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
1,2-DICHLOROETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
1,2-DICHLOROPROPANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
2-BUTANONE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
2-HEXANONE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
4-METHYL-2-PENTANONE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
ACETONE	10.00 UG/KG		U	11.00 UG/KG		U	23.00 UG/KG		J	11.00 UG/KG		-	17.00 UG/KG		U
BENZENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
BROMODICHLOROMETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
BROMOFORM	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
BROMOMETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		UJ	17.00 UG/KG		U
CARBON DISULFIDE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
CARBON TETRACHLORIDE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
CHLOROBENZENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
CHLOROETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116340			116341			116331			116332			116335		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			RE-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)
VOLATILES															
CHLOROFORM	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
CHLOROMETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
DIBROMOCHLOROMETHANE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
ETHYLBENZENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UR
METHYLENE CHLORIDE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		U	17.00 UG/KG		U	30.00 UG/KG		U
STYRENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UR
TETRACHLOROETHENE	10.00 UG/KG		U	11.00 UG/KG		U	1.00 UG/KG		J	10.00 UG/KG		U	17.00 UG/KG		UR
TOLUENE	2.00 UG/KG		J	1.00 UG/KG		J	3500.00 UG/KG		R	37.00 UG/KG		-	23.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
TRICHLOROETHENE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
VINYL ACETATE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UJ
VINYL CHLORIDE	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		U
XYLENES, TOTAL	10.00 UG/KG		U	11.00 UG/KG		U	14.00 UG/KG		UJ	10.00 UG/KG		U	17.00 UG/KG		UR

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116336	116337	116338	067095	067096
TASK:	20.03.05	20.03.05	20.03.05	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	11056	11057	11057	1708	1708
DEPTH:	23-24	17-18	23-24	6-7.5	7.5-9
DATE COLLECTED:	20-MAY-93	20-MAY-93	20-MAY-93	14-JUN-91	14-JUN-91
NORTH COORDINATE:	477814.54	477835.17	477835.17	477710.64	477710.64
EAST COORDINATE:	1379102.38	1379107.43	1379107.43	1379166.88	1379166.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM													6350.00 MG/KG		-
ANTIMONY													7.70 MG/KG		UJ
ARSENIC													7.10 MG/KG		J
BARIUM													315.00 MG/KG		-
BERYLLIUM													1.80 MG/KG		-
CADMIUM													0.86 MG/KG		-
CALCIUM													22700.00 MG/KG		J
CHROMIUM													15.90 MG/KG		-
COBALT													7.00 MG/KG		-
COPPER													27.90 MG/KG		-
CYANIDE													0.59 MG/KG		J
IRON													5510.00 MG/KG		-
LEAD													11.00 MG/KG		J
MAGNESIUM													5370.00 MG/KG		-
MANGANESE													282.00 MG/KG		J
MERCURY													0.13 MG/KG		UR
MOLYBDENUM													8.90 MG/KG		-
NICKEL													16.00 MG/KG		-
POTASSIUM													961.00 MG/KG		-
SELENIUM													2.80 MG/KG		-
SILVER													5.90 MG/KG		-
SODIUM													225.00 MG/KG		-
THALLIUM													0.51 MG/KG		U
VANADIUM													28.70 MG/KG		-
ZINC													15.10 MG/KG		-
PESTICIDES															
4,4'-DDD	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
4,4'-DDE	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR

SAMPLE NUMBER:	116336			116337			116338			067095			067096		
LAB:	IT-KNOX			IT-KNOX			IT-KNOX						IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			-			DL-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															
4,4'-DDT	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
ALDRIN	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
ALPHA-BHC	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
ALPHA-CHLORDANE	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				420.00 UG/KG		UR
AROCLOR-1016	39.00 UG/KG		U	35.00 UG/KG		U	35.00 UG/KG		U				420.00 UG/KG		UR
AROCLOR-1221	80.00 UG/KG		U	71.00 UG/KG		U	71.00 UG/KG		U				420.00 UG/KG		UR
AROCLOR-1232	39.00 UG/KG		U	35.00 UG/KG		U	35.00 UG/KG		U				420.00 UG/KG		UR
AROCLOR-1242	39.00 UG/KG		U	35.00 UG/KG		U	35.00 UG/KG		U				420.00 UG/KG		UR
AROCLOR-1248	39.00 UG/KG		U	35.00 UG/KG		U	35.00 UG/KG		U				420.00 UG/KG		UR
AROCLOR-1254	39.00 UG/KG		U	35.00 UG/KG		U	35.00 UG/KG		U				840.00 UG/KG		UR
AROCLOR-1260	39.00 UG/KG		U	35.00 UG/KG		U	35.00 UG/KG		U				840.00 UG/KG		UR
BETA-BHC	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
DELTA-BHC	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
DIELDRIN	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
ENDOSULFAN II	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
ENDOSULFAN SULFATE	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
ENDOSULFAN-I	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
ENDRIN	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
ENDRIN ALDEHYDE	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U						
ENDRIN KETONE	3.90 UG/KG		U	3.50 UG/KG		U	3.50 UG/KG		U				84.00 UG/KG		UR
GAMMA-BHC (LINDANE)	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
GAMMA-CHLORDANE	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				420.00 UG/KG		UR
HEPTACHLOR	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
HEPTACHLOR EPOXIDE	2.00 UG/KG		U	1.80 UG/KG		U	1.80 UG/KG		U				42.00 UG/KG		UR
METHOXYCHLOR	20.00 UG/KG		U	18.00 UG/KG		U	18.00 UG/KG		U				420.00 UG/KG		UR
TOXAPHENE	200.00 UG/KG		U	180.00 UG/KG		U	180.00 UG/KG		U				840.00 UG/KG		UR
RADIONUCLIDES															
URANIUM-238										3.94 PCI/G	.58	J			
URANIUM, TOTAL										15.60 MG/KG	3.7	J			
URANIUM-234										3.65 PCI/G	.55	J			
THORIUM-230										2.98 PCI/G	.62	J			
RADIUM-226										3.07 PCI/G	.29	J			
URANIUM-235/236										0.60 PCI/G		UJ			
THORIUM-232										2.42 PCI/G	.54	J			
THORIUM, TOTAL										21.80 MG/KG	4.8	J			
RADIUM-228										3.13 PCI/G	.37	J			
THORIUM-228										3.14 PCI/G	.65	J			
NEPTUNIUM-237										0.60 PCI/G		UJ			
PLUTONIUM-239/240										0.60 PCI/G		R			
PLUTONIUM-238										0.60 PCI/G		UJ			
STRONTIUM-90										1.23 PCI/G	.3	J			
TECHNETIUM-99										1.00 PCI/G		U			
RUTHENIUM-106										1.00 PCI/G		UJ			

SAMPLE NUMBER:	116336			116337			116338			067095			067096		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
RADIONUCLIDES															
CESIUM-137										0.20 PCI/G		UJ			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
1,2-DICHLOROBENZENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
1,3-DICHLOROBENZENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
1,4-DICHLOROBENZENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2,4,5-TRICHLOROPHENOL	950.00 UG/KG		U	830.00 UG/KG		U	850.00 UG/KG		U				4100.00 UG/KG		UR
2,4,6-TRICHLOROPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2,4-DICHLOROPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2,4-DIMETHYLPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2,4-DINITROPHENOL	950.00 UG/KG		UJ	830.00 UG/KG		UJ	850.00 UG/KG		UJ				4100.00 UG/KG		UR
2,4-DINITROTOLUENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2,6-DINITROTOLUENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2-CHLORONAPHTHALENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2-CHLOROPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2-METHYLNAPHTHALENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2-METHYLPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
2-NITROANILINE	950.00 UG/KG		U	830.00 UG/KG		U	850.00 UG/KG		U				4100.00 UG/KG		UR
2-NITROPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
3,3'-DICHLOROBENZIDINE	390.00 UG/KG		UJ	340.00 UG/KG		UJ	350.00 UG/KG		UJ				1700.00 UG/KG		UR
3-NITROANILINE	950.00 UG/KG		UR	830.00 UG/KG		UR	850.00 UG/KG		UR				4100.00 UG/KG		UR
4,6-DINITRO-2-METHYLPHENOL	950.00 UG/KG		U	830.00 UG/KG		U	850.00 UG/KG		U				4100.00 UG/KG		UR
4-BROMOPHENYL PHENYL ETHER	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
4-CHLORO-3-METHYLPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
4-CHLOROPHENYLPHENYL ETHER	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
4-METHYLPHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
4-NITROANILINE	950.00 UG/KG		UJ	830.00 UG/KG		UJ	850.00 UG/KG		UJ				4100.00 UG/KG		UR
4-NITROPHENOL	950.00 UG/KG		U	830.00 UG/KG		U	850.00 UG/KG		U				4100.00 UG/KG		UR
ACENAPHTHENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
ACENAPHTHYLENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
ANTHRACENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				860.00 UG/KG		UJ
BENZO(A)ANTHRACENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
BENZO(A)PYRENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				130.00 UG/KG		J
BENZO(B)FLUORANTHENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				93.00 UG/KG		R
BENZO(G,H,I)PERYLENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				860.00 UG/KG		UJ
BENZO(K)FLUORANTHENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
BENZOIC ACID													4200.00 UG/KG		UJ
BENZYL ALCOHOL													840.00 UG/KG		UR
BIS(2-CHLOROETHOXY)METHANE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
BIS(2-CHLOROETHYL)ETHER	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
BIS(2-CHLOROISOPROPYL) ETHE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
BIS(2-ETHYLHEXYL)PHTHALATE	57.00 UG/KG		J	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
BUTYL BENZYL PHTHALATE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR

SAMPLE NUMBER:	116336			116337			116338			067095			067096		
LAB:	IT			IT			IT						IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			-			NONE-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)
SEMIVOLATILES															
CARBAZOLE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U						
CHRYSENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				150.00 UG/KG		J
DI-N-BUTYL PHTHALATE	43.00 UG/KG		J	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
DI-N-OCTYL PHTHALATE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				860.00 UG/KG		UJ
DIBENZO(A,H)ANTHRACENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
DIBENZOFURAN	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				860.00 UG/KG		UJ
DIETHYL PHTHALATE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
DIMETHYL PHTHALATE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
FLUORANTHENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
FLUORENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
HEXACHLOROBENZENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
HEXACHLOROBUTADIENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
HEXACHLOROCYCLOPENTADIENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
HEXACHLOROETHANE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
INDENO(1,2,3-CD)PYRENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
ISOPHORONE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
N-NITROSO-DI-N-PROPYLAMINE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
N-NITROSODIPHENYLAMINE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
NAPHTHALENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
NITROBENZENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
P-CHLOROANILINE	390.00 UG/KG		UJ	340.00 UG/KG		UJ	350.00 UG/KG		UJ				840.00 UG/KG		UR
PENTACHLOROPHENOL	950.00 UG/KG		U	830.00 UG/KG		U	850.00 UG/KG		U				4100.00 UG/KG		UR
PHENANTHRENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
PHENOL	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
PYRENE	390.00 UG/KG		U	340.00 UG/KG		U	350.00 UG/KG		U				840.00 UG/KG		UR
VOLATILES															
1,1,1-TRICHLOROETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
1,1,2,2-TETRACHLOROETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UR
1,1,2-TRICHLOROETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
1,1-DICHLOROETHANE	12.00 UG/KG		U	10.00 UG/KG		UJ	11.00 UG/KG		U				6.00 UG/KG		UJ
1,1-DICHLOROETHENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
1,2-DICHLOROETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
1,2-DICHLOROETHENE (TOTAL)	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
1,2-DICHLOROPROPANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
2-BUTANONE	12.00 UG/KG		U	10.00 UG/KG		UJ	11.00 UG/KG		U				13.00 UG/KG		UJ
2-HEXANONE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				13.00 UG/KG		UR
4-METHYL-2-PENTANONE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				13.00 UG/KG		UR
ACETONE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				13.00 UG/KG		UJ
BENZENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
BROMODICHLOROMETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
BROMOFORM	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
BROMOMETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				13.00 UG/KG		UJ
CARBON DISULFIDE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ

SAMPLE NUMBER:	116336			116337			116338			067095			067096		
LAB:	IT			IT			IT			-			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA						NONE-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)
VOLATILES															
CARBON TETRACHLORIDE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
CHLOROBENZENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UR
CHLOROETHANE	12.00 UG/KG		U	10.00 UG/KG		UJ	11.00 UG/KG		U				13.00 UG/KG		UJ
CHLOROFORM	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
CHLOROMETHANE	12.00 UG/KG		U	10.00 UG/KG		UJ	11.00 UG/KG		U				13.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
DIBROMOCHLOROMETHANE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
ETHYLBENZENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UR
METHYLENE CHLORIDE	12.00 UG/KG		U	10.00 UG/KG		U	21.00 UG/KG		U				15.00 UG/KG		UJ
STYRENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UR
TETRACHLOROETHENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
TOLUENE	12.00 UG/KG		U	1.00 UG/KG		J	11.00 UG/KG		U				3.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
TRICHLOROETHENE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UJ
VINYL ACETATE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				13.00 UG/KG		UJ
VINYL CHLORIDE	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				13.00 UG/KG		UJ
XYLENES, TOTAL	12.00 UG/KG		U	10.00 UG/KG		U	11.00 UG/KG		U				6.00 UG/KG		UR

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067098	067099	067101	067102	067111
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:			IT	IT	IT
WELL OR BORING NUMBER:	1708	1708	1708	1708	1708
DEPTH:	10.5-12	12-13.5	15-16.5	16.5-18	30-31.5
DATE COLLECTED:	15-JUN-91	16-JUN-91	16-JUN-91	16-JUN-91	16-JUN-91
NORTH COORDINATE:	477710.64	477710.64	477710.64	477710.64	477710.64
EAST COORDINATE:	1379166.88	1379166.88	1379166.88	1379166.88	1379166.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	-	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM										7250.00 MG/KG		-			
ANTIMONY										8.40 MG/KG		UJ			
ARSENIC										7.40 MG/KG		J			
BARIUM										294.00 MG/KG		-			
BERYLLIUM										2.00 MG/KG		-			
CADMIUM										1.30 MG/KG		-			
CALCIUM										36800.00 MG/KG		J			
CHROMIUM										19.60 MG/KG		-			
COBALT										8.00 MG/KG		-			
COPPER										29.50 MG/KG		-			
CYANIDE										1.20 MG/KG		J			
IRON										7490.00 MG/KG		-			
LEAD										67.10 MG/KG		J			
MAGNESIUM										10100.00 MG/KG		-			
MANGANESE										330.00 MG/KG		J			
MERCURY										0.13 MG/KG		UR			
MOLYBDENUM										9.40 MG/KG		-			
NICKEL										18.00 MG/KG		-			
POTASSIUM										1070.00 MG/KG		-			
SELENIUM										2.90 MG/KG		-			
SILVER										8.30 MG/KG		-			
SODIUM										237.00 MG/KG		U			
THALLIUM										0.56 MG/KG		U			
VANADIUM										27.70 MG/KG		-			
ZINC										21.50 MG/KG		-			
PESTICIDES															
4,4'-DDD										23.00 UG/KG		U			
4,4'-DDE										23.00 UG/KG		U			

SAMPLE NUMBER:	067098			067099			067101			067102			067111		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
4,4'-DDT										23.00 UG/KG		U			
ALDRIN										11.00 UG/KG		U			
ALPHA-BHC										11.00 UG/KG		U			
ALPHA-CHLORDANE										110.00 UG/KG		U			
AROCLOR-1016										110.00 UG/KG		U			
AROCLOR-1221										110.00 UG/KG		U			
AROCLOR-1232										110.00 UG/KG		U			
AROCLOR-1242										110.00 UG/KG		U			
AROCLOR-1248										110.00 UG/KG		U			
AROCLOR-1254										230.00 UG/KG		U			
AROCLOR-1260										230.00 UG/KG		U			
BETA-BHC										11.00 UG/KG		U			
DELTA-BHC										11.00 UG/KG		U			
DIELDRIN										23.00 UG/KG		U			
ENDOSULFAN II										23.00 UG/KG		U			
ENDOSULFAN SULFATE										23.00 UG/KG		U			
ENDOSULFAN-I										11.00 UG/KG		U			
ENDRIN										23.00 UG/KG		U			
ENDRIN KETONE										23.00 UG/KG		U			
GAMMA-BHC (LINDANE)										11.00 UG/KG		U			
GAMMA-CHLORDANE										110.00 UG/KG		U			
HEPTACHLOR										11.00 UG/KG		U			
HEPTACHLOR EPOXIDE										11.00 UG/KG		U			
METHOXYCHLOR										110.00 UG/KG		U			
TOXAPHENE										230.00 UG/KG		U			
RADIONUCLIDES															
URANIUM-238							2.97 PCI/G	.43	J				21.94 PCI/G	2.87	J
URANIUM, TOTAL							11.10 MG/KG	3.4	J				68.20 MG/KG	10.2	J
URANIUM-234							2.88 PCI/G	.42	J				20.64 PCI/G	2.72	J
THORIUM-230							2.73 PCI/G	.52	J				2.93 PCI/G	.5	J
RADIUM-226							2.66 PCI/G	.27	J				1.72 PCI/G	.19	J
URANIUM-235/236							0.60 PCI/G		UJ				0.69 PCI/G	.267	J
THORIUM-232							1.81 PCI/G	.38	J				1.17 PCI/G	.26	J
THORIUM, TOTAL							16.30 MG/KG	3.5	J				10.60 MG/KG	2.3	J
RADIUM-228							2.46 PCI/G	.33	J				1.09 PCI/G	.2	J
THORIUM-228							2.70 PCI/G	.52	J				1.59 PCI/G	.32	J
NEPTUNIUM-237							0.60 PCI/G		UJ				0.60 PCI/G		UJ
PLUTONIUM-239/240							0.60 PCI/G		R				0.60 PCI/G		R
PLUTONIUM-238							0.60 PCI/G		UJ				0.60 PCI/G		UJ
STRONTIUM-90							1.25 PCI/G	.29	J				0.70 PCI/G		UJ
TECHNETIUM-99							1.00 PCI/G		U				1.00 PCI/G		U
RUTHENIUM-106							1.00 PCI/G		UJ				1.00 PCI/G		UJ
CESIUM-137							0.20 PCI/G		UJ				0.20 PCI/G		UJ

SAMPLE NUMBER:	067098			067099			067101			067102			067111		
LAB:							IT						IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			-			NONE-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)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										930.00 UG/KG		U			
1,2-DICHLOROBENZENE										930.00 UG/KG		U			
1,3-DICHLOROBENZENE										930.00 UG/KG		U			
1,4-DICHLOROBENZENE										930.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL										4500.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL										930.00 UG/KG		U			
2,4-DICHLOROPHENOL										930.00 UG/KG		U			
2,4-DIMETHYLPHENOL										930.00 UG/KG		U			
2,4-DINITROPHENOL										4500.00 UG/KG		U			
2,4-DINITROTOLUENE										930.00 UG/KG		U			
2,6-DINITROTOLUENE										930.00 UG/KG		U			
2-CHLORONAPHTHALENE										930.00 UG/KG		U			
2-CHLOROPHENOL										930.00 UG/KG		U			
2-METHYLNAPHTHALENE										930.00 UG/KG		U			
2-METHYLPHENOL										930.00 UG/KG		U			
2-NITROANILINE										4500.00 UG/KG		U			
2-NITROPHENOL										930.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE										1900.00 UG/KG		U			
3-NITROANILINE										4500.00 UG/KG		UJ			
4,6-DINITRO-2-METHYLPHENOL										4500.00 UG/KG		U			
4-BROMOPHENYL PHENYL ETHER										930.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL										930.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER										930.00 UG/KG		U			
4-METHYLPHENOL										930.00 UG/KG		U			
4-NITROANILINE										4500.00 UG/KG		U			
4-NITROPHENOL										4500.00 UG/KG		U			
ACENAPHTHENE										930.00 UG/KG		U			
ACENAPHTHYLENE										930.00 UG/KG		U			
ANTHRACENE										930.00 UG/KG		U			
BENZO(A)ANTHRACENE										930.00 UG/KG		U			
BENZO(A)PYRENE										930.00 UG/KG		U			
BENZO(B)FLUORANTHENE										930.00 UG/KG		U			
BENZO(G,H,I)PERYLENE										930.00 UG/KG		U			
BENZO(K)FLUORANTHENE										930.00 UG/KG		U			
BENZOIC ACID										97.00 UG/KG		J			
BENZYL ALCOHOL										930.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE										930.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER										930.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER										930.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE										930.00 UG/KG		UJ			
BUTYL BENZYL PHTHALATE										930.00 UG/KG		UJ			
CHRYSENE										930.00 UG/KG		U			
DI-N-BUTYL PHTHALATE										930.00 UG/KG		U			
DI-N-OCTYL PHTHALATE										930.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE										930.00 UG/KG		U			

SAMPLE NUMBER:	067098			067099			067101			067102			067111		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
DIBENZOFURAN										930.00 UG/KG		U			
DIETHYL PHTHALATE										930.00 UG/KG		U			
DIMETHYL PHTHALATE										930.00 UG/KG		U			
FLUORANTHENE										930.00 UG/KG		U			
FLUORENE										930.00 UG/KG		U			
HEXACHLOROBENZENE										930.00 UG/KG		U			
HEXACHLOROBUTADIENE										930.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE										930.00 UG/KG		U			
HEXACHLOROETHANE										930.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE										930.00 UG/KG		U			
ISOPHORONE										930.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE										930.00 UG/KG		U			
N-NITROSODIPHENYLAMINE										930.00 UG/KG		U			
NAPHTHALENE										930.00 UG/KG		U			
NITROBENZENE										930.00 UG/KG		U			
P-CHLOROANILINE										930.00 UG/KG		U			
PENTACHLOROPHENOL										4500.00 UG/KG		U			
PHENANTHRENE										930.00 UG/KG		U			
PHENOL										930.00 UG/KG		U			
PYRENE										930.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										4.00 UG/KG		J			
1,1,2,2-TETRACHLOROETHANE										6.00 UG/KG		UR			
1,1,2-TRICHLOROETHANE										6.00 UG/KG		UJ			
1,1-DICHLOROETHANE										6.00 UG/KG		UJ			
1,1-DICHLOROETHENE										6.00 UG/KG		UJ			
1,2-DICHLOROETHANE										6.00 UG/KG		UJ			
1,2-DICHLOROETHENE (TOTAL)										6.00 UG/KG		UJ			
1,2-DICHLOROPROPANE										6.00 UG/KG		UJ			
2-BUTANONE										13.00 UG/KG		UJ			
2-HEXANONE										13.00 UG/KG		UR			
4-METHYL-2-PENTANONE										13.00 UG/KG		UR			
ACETONE										13.00 UG/KG		UJ			
BENZENE										6.00 UG/KG		UJ			
BROMODICHLOROMETHANE										6.00 UG/KG		UJ			
BROMOFORM										6.00 UG/KG		UJ			
BROMOMETHANE										13.00 UG/KG		UJ			
CARBON DISULFIDE										6.00 UG/KG		UJ			
CARBON TETRACHLORIDE										6.00 UG/KG		UJ			
CHLOROBENZENE										6.00 UG/KG		UR			
CHLOROETHANE										13.00 UG/KG		UJ			
CHLOROFORM										6.00 UG/KG		UJ			
CHLOROMETHANE										13.00 UG/KG		UJ			

SAMPLE NUMBER:	067098			067099			067101			067102			067111		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
CIS-1,3-DICHLOROPROPENE										6.00 UG/KG		UJ			
DIBROMOCHLOROMETHANE										6.00 UG/KG		UJ			
ETHYLBENZENE										6.00 UG/KG		UR			
METHYLENE CHLORIDE										6.00 UG/KG		U			
STYRENE										6.00 UG/KG		UR			
TETRACHLOROETHENE										6.00 UG/KG		UR			
TOLUENE										6.00 UG/KG		UR			
TRANS-1,3-DICHLOROPROPENE										6.00 UG/KG		UJ			
TRICHLOROETHENE										6.00 UG/KG		UJ			
VINYL ACETATE										13.00 UG/KG		UJ			
VINYL CHLORIDE										13.00 UG/KG		UJ			
XYLENES, TOTAL										6.00 UG/KG		UR			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067112	067097	067119	067064	067071
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT			IT	IT
WELL OR BORING NUMBER:	1708	1708	1708	1709	1709
DEPTH:	31.5-33	9-10.5	9-12	7.5-9	13.5-15
DATE COLLECTED:	16-JUN-91	15-JUN-91	17-JUN-91	06-JUN-91	06-JUN-91
NORTH COORDINATE:	477710.64	477710.64	477710.64	477814.23	477814.23
EAST COORDINATE:	1379166.88	1379166.88	1379166.88	1378969.43	1378969.43
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	-	NONE-NA	R-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)
INORGANICS															
ALUMINUM	9550.00 MG/KG		-							4240.00 MG/KG		-	4400.00 MG/KG		-
ANTIMONY	7.40 MG/KG		UJ							7.80 MG/KG		UR	7.40 MG/KG		UR
ARSENIC	1.70 MG/KG		J							16.30 MG/KG		-	74.80 MG/KG		-
BARIUM	112.00 MG/KG		-							286.00 MG/KG		-	252.00 MG/KG		-
BERYLLIUM	0.60 MG/KG		-							3.90 MG/KG		-	4.30 MG/KG		-
CADMIUM	0.50 MG/KG		U							0.52 MG/KG		U	0.49 MG/KG		U
CALCIUM	2930.00 MG/KG		J							2790.00 MG/KG		-	2800.00 MG/KG		-
CHROMIUM	13.60 MG/KG		-							5.60 MG/KG		J	5.10 MG/KG		J
COBALT	9.90 MG/KG		-							5.50 MG/KG		-	6.30 MG/KG		-
COPPER	14.60 MG/KG		-							28.50 MG/KG		-	28.80 MG/KG		-
CYANIDE	0.12 MG/KG		UR							0.27 MG/KG		-	0.23 MG/KG		-
IRON	16300.00 MG/KG		-							4610.00 MG/KG		-	5230.00 MG/KG		-
LEAD	11.30 MG/KG		J							6.70 MG/KG		J	9.00 MG/KG		J
MAGNESIUM	2060.00 MG/KG		-							383.00 MG/KG		-	439.00 MG/KG		-
MANGANESE	736.00 MG/KG		J							24.00 MG/KG		J	22.70 MG/KG		J
MERCURY	0.12 MG/KG		UR							0.13 MG/KG		UJ	0.12 MG/KG		UJ
MOLYBDENUM	9.20 MG/KG		-							3.50 MG/KG		-	4.90 MG/KG		-
NICKEL	16.00 MG/KG		-							10.80 MG/KG		-	12.00 MG/KG		-
POTASSIUM	1430.00 MG/KG		-							523.00 MG/KG		-	616.00 MG/KG		-
SELENIUM	0.50 MG/KG		UJ							0.74 MG/KG		-	4.10 MG/KG		-
SILVER	2.50 MG/KG		UJ							2.60 MG/KG		UJ	2.50 MG/KG		UJ
SODIUM	71.90 MG/KG		U							158.00 MG/KG		-	179.00 MG/KG		-
THALLIUM	0.50 MG/KG		U							0.52 MG/KG		UJ	0.80 MG/KG		J
VANADIUM	17.80 MG/KG		-							34.90 MG/KG		-	30.00 MG/KG		-
ZINC	47.00 MG/KG		-							9.40 MG/KG		-	52.40 MG/KG		-
PESTICIDES															
4,4'-DDD	20.00 UG/KG		U							85.00 UG/KG		UR	20.00 UG/KG		U
4,4'-DDE	20.00 UG/KG		U							85.00 UG/KG		UR	20.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067112			067097			067119			067064			067071		
LAB:	IT									IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			DL-NA			NONE-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															
4,4'-DDT	20.00 UG/KG		U							85.00 UG/KG		UR	20.00 UG/KG		U
ALDRIN	10.00 UG/KG		U							43.00 UG/KG		UR	10.00 UG/KG		U
ALPHA-BHC	10.00 UG/KG		U							43.00 UG/KG		UR	10.00 UG/KG		U
ALPHA-CHLORDANE	100.00 UG/KG		U							110.00 UG/KG		U	100.00 UG/KG		U
AROCLOR-1016	100.00 UG/KG		U							430.00 UG/KG		UR	100.00 UG/KG		U
AROCLOR-1221	100.00 UG/KG		U							430.00 UG/KG		UR	100.00 UG/KG		U
AROCLOR-1232	100.00 UG/KG		U							430.00 UG/KG		UR	100.00 UG/KG		U
AROCLOR-1242	100.00 UG/KG		U							430.00 UG/KG		UR	100.00 UG/KG		U
AROCLOR-1248	100.00 UG/KG		U							110.00 UG/KG		U	100.00 UG/KG		U
AROCLOR-1254	200.00 UG/KG		U							850.00 UG/KG		UR	200.00 UG/KG		U
AROCLOR-1260	200.00 UG/KG		U							210.00 UG/KG		U	200.00 UG/KG		U
BETA-BHC	10.00 UG/KG		U							43.00 UG/KG		UR	10.00 UG/KG		U
DELTA-BHC	10.00 UG/KG		U							11.00 UG/KG		U	10.00 UG/KG		U
DIELDRIN	20.00 UG/KG		U							85.00 UG/KG		UR	20.00 UG/KG		U
ENDOSULFAN II	20.00 UG/KG		U							21.00 UG/KG		U	20.00 UG/KG		U
ENDOSULFAN SULFATE	20.00 UG/KG		U							85.00 UG/KG		UR	20.00 UG/KG		U
ENDOSULFAN-I	10.00 UG/KG		U							11.00 UG/KG		U	10.00 UG/KG		U
ENDRIN	20.00 UG/KG		U							85.00 UG/KG		UR	20.00 UG/KG		U
ENDRIN KETONE	20.00 UG/KG		U							21.00 UG/KG		U	20.00 UG/KG		U
GAMMA-BHC (LINDANE)	10.00 UG/KG		U							43.00 UG/KG		UR	10.00 UG/KG		U
GAMMA-CHLORDANE	100.00 UG/KG		U							110.00 UG/KG		U	100.00 UG/KG		U
HEPTACHLOR	10.00 UG/KG		U							43.00 UG/KG		UR	10.00 UG/KG		U
HEPTACHLOR EPOXIDE	10.00 UG/KG		U							11.00 UG/KG		U	10.00 UG/KG		U
METHOXYCHLOR	100.00 UG/KG		U							110.00 UG/KG		U	100.00 UG/KG		U
TOXAPHENE	200.00 UG/KG		U							210.00 UG/KG		U	200.00 UG/KG		U
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
1,2-DICHLOROBENZENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
1,3-DICHLOROBENZENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
1,4-DICHLOROBENZENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	4000.00 UG/KG		U							2100.00 UG/KG		U	2000.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2,4-DICHLOROPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2,4-DIMETHYLPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2,4-DINITROPHENOL	4000.00 UG/KG		UJ							2100.00 UG/KG		UJ	2000.00 UG/KG		UJ
2,4-DINITROTOLUENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2,6-DINITROTOLUENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2-CHLORONAPHTHALENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2-CHLOROPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2-METHYLNAPHTHALENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2-METHYLPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
2-NITROANILINE	4000.00 UG/KG		U							2100.00 UG/KG		U	2000.00 UG/KG		U
2-NITROPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U

SAMPLE NUMBER:	067112			067097			067119			067064			067071		
LAB:	IT									IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			NONE-NA			NONE-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)
SEMIVOLATILES															
3,3'-DICHLOROBENZIDINE	1600.00 UG/KG		UJ							870.00 UG/KG		UJ	830.00 UG/KG		U
3-NITROANILINE	4000.00 UG/KG		UJ							2100.00 UG/KG		U	2000.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL	4000.00 UG/KG		U							2100.00 UG/KG		UJ	2000.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
4-METHYLPHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
4-NITROANILINE	4000.00 UG/KG		UJ							2100.00 UG/KG		UJ	2000.00 UG/KG		U
4-NITROPHENOL	4000.00 UG/KG		U							2100.00 UG/KG		U	2000.00 UG/KG		U
ACENAPHTHENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
ACENAPHTHYLENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
ANTHRACENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BENZO(A)ANTHRACENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BENZO(A)PYRENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BENZO(B)FLUORANTHENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BENZO(G,H,I)PERYLENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BENZO(K)FLUORANTHENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BENZOIC ACID	4000.00 UG/KG		U							2100.00 UG/KG		UJ	2000.00 UG/KG		UJ
BENZYL ALCOHOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHER	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
BUTYL BENZYL PHTHALATE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
CHRYSENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
DI-N-BUTYL PHTHALATE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
DI-N-OCTYL PHTHALATE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
DIBENZOFURAN	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
DIETHYL PHTHALATE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
DIMETHYL PHTHALATE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
FLUORANTHENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
FLUORENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
HEXACHLOROBENZENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
HEXACHLOROBUTADIENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
HEXACHLOROETHANE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
ISOPHORONE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
N-NITROSODIPHENYLAMINE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
NAPHTHALENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
NITROBENZENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
P-CHLOROANILINE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
PENTACHLOROPHENOL	4000.00 UG/KG		U							2100.00 UG/KG		U	2000.00 UG/KG		U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067112			067097			067119			067064			067071		
LAB:	IT									IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			NONE-NA			NONE-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)
SEMIVOLATILES															
PHENANTHRENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
PHENOL	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
PYRENE	820.00 UG/KG		U							440.00 UG/KG		U	410.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE	6.00 UG/KG		U							98.00 UG/KG		R	130.00 UG/KG		R
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
1,1,2-TRICHLOROETHANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
1,1-DICHLOROETHANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UJ
1,1-DICHLOROETHENE	6.00 UG/KG		U							6.00 UG/KG		UJ	6.00 UG/KG		UR
1,2-DICHLOROETHANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UJ
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
1,2-DICHLOROPROPANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
2-BUTANONE	29.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UJ
2-HEXANONE	12.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UR
4-METHYL-2-PENTANONE	12.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UR
ACETONE	190.00 UG/KG		J							13.00 UG/KG		R	23.00 UG/KG		R
BENZENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
BROMODICHLOROMETHANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
BROMOFORM	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
BROMOMETHANE	12.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UJ
CARBON DISULFIDE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
CARBON TETRACHLORIDE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
CHLOROBENZENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
CHLOROETHANE	12.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UR
CHLOROFORM	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UJ
CHLOROMETHANE	12.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
DIBROMOCHLOROMETHANE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
ETHYLBENZENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
METHYLENE CHLORIDE	6.00 UG/KG		U							8.00 UG/KG		R	6.00 UG/KG		U
STYRENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
TETRACHLOROETHENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
TOLUENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
TRICHLOROETHENE	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR
VINYL ACETATE	12.00 UG/KG		U							13.00 UG/KG		UR	2.00 UG/KG		J
VINYL CHLORIDE	12.00 UG/KG		U							13.00 UG/KG		UR	13.00 UG/KG		UJ
XYLENES, TOTAL	6.00 UG/KG		U							6.00 UG/KG		UR	6.00 UG/KG		UR

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067072	067078	067081	067062	067065
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT		IT	IT	
WELL OR BORING NUMBER:	1709	1709	1709	1709	1709
DEPTH:	15-16.5	24-25.5	28.5-30	4.5-6	9-10.5
DATE COLLECTED:	06-JUN-91	11-JUN-91	11-JUN-91	04-JUN-91	06-JUN-91
NORTH COORDINATE:	477814.23	477814.23	477814.23	477814.23	477814.23
EAST COORDINATE:	1378969.43	1378969.43	1378969.43	1378969.43	1378969.43
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	5.09 PCI/G	.86	-				3.80 PCI/G	.61	-	11.00 PCI/G	1.5	J			
URANIUM, TOTAL	14.50 MG/KG	4.1	J				14.40 MG/KG	4.3	J	67.00 MG/KG	8.4	-			
URANIUM-234	4.63 PCI/G	.8	-				3.52 PCI/G	.58	-	4.40 PCI/G	.76	-			
THORIUM-230	4.50 PCI/G	.96	J				3.07 PCI/G	.62	-	3.74 PCI/G	.73	J			
RADIUM-226	2.79 PCI/G	.25	-				2.13 PCI/G	.22	-	1.96 PCI/G	.2	-			
LEAD-210	1.25 PCI/G	.58	-				1.17 PCI/G	.61	-	0.80 PCI/G	.59	-			
URANIUM-235/236	4.40 PCI/G		U				0.50 PCI/G		U	1.10 PCI/G	.32	J			
THORIUM-232	2.65 PCI/G	.66	J				2.21 PCI/G	.49	-	2.02 PCI/G	.47	J			
THORIUM, TOTAL	23.90 MG/KG	6	J				20.00 MG/KG	4.4	-	18.30 MG/KG	4.3	J			
RADIUM-228	2.20 PCI/G	.34	-				2.19 PCI/G	.34	-	1.66 PCI/G	.29	-			
THORIUM-228	2.78 PCI/G	.69	J				2.51 PCI/G	.54	-	2.08 PCI/G	.48	J			
NEPTUNIUM-237	0.78 PCI/G	.33	J				0.60 PCI/G		UJ	0.60 PCI/G		UJ			
PLUTONIUM-239/240	0.60 PCI/G		U				0.60 PCI/G		U	0.60 PCI/G		U			
PLUTONIUM-238	0.60 PCI/G		U				0.60 PCI/G		U	0.60 PCI/G		U			
STRONTIUM-90	0.80 PCI/G		U				0.90 PCI/G		U	0.90 PCI/G		U			
TECHNETIUM-99	1.00 PCI/G		U				1.00 PCI/G		UJ	1.00 PCI/G		U			
RUTHENIUM-106	1.30 PCI/G		U				1.50 PCI/G		U	1.30 PCI/G		U			
CESIUM-137	0.20 PCI/G		U				0.20 PCI/G		U	0.20 PCI/G		U			
GROSS ALPHA	52.80 PCI/G	16.4	NV				36.20 PCI/G	12.9	NV	65.00 PCI/G	18.8	NV			
GROSS BETA	35.90 PCI/G	9	NV				21.30 PCI/G	6.3	NV	49.90 PCI/G	11.6	NV			
RADIUM-224	2.96 PCI/G	.36	-				3.05 PCI/G	.37	-	2.29 PCI/G	.29	-			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067028	067029	067038	067039	067043
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT			IT
WELL OR BORING NUMBER:	1710	1710	1710	1710	1710
DEPTH:	3-4.5	4.5-5	16.5-18	16.5-18	22.5-23
DATE COLLECTED:	31-MAY-91	31-MAY-91	01-JUN-91	01-JUN-91	01-JUN-91
NORTH COORDINATE:	477931.49	477931.49	477931.49	477931.49	477931.49
EAST COORDINATE:	1378993.33	1378993.33	1378993.33	1378993.33	1378993.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	R-NA	-	-	NONE-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)
INORGANICS															
ALUMINUM				6470.00 MG/KG		-									
ANTIMONY				8.40 MG/KG		UR									
ARSENIC				31.70 MG/KG		-									
BARIUM				637.00 MG/KG		-									
BERYLLIUM				6.70 MG/KG		-									
CADMIUM				0.78 MG/KG		-									
CALCIUM				5880.00 MG/KG		-									
CHROMIUM				7.30 MG/KG		-									
COBALT				11.20 MG/KG		-									
COPPER				34.40 MG/KG		-									
CYANIDE				0.69 MG/KG		-									
IRON				12100.00 MG/KG		-									
LEAD				13.10 MG/KG		J									
MAGNESIUM				978.00 MG/KG		J									
MANGANESE				106.00 MG/KG		-									
MERCURY				0.14 MG/KG		UJ									
MOLYBDENUM				4.30 MG/KG		-									
NICKEL				19.60 MG/KG		-									
POTASSIUM				1030.00 MG/KG		-									
SELENIUM				1.40 MG/KG		-									
SILVER				2.80 MG/KG		UJ									
SODIUM				294.00 MG/KG		-									
THALLIUM				0.56 MG/KG		UJ									
VANADIUM				28.30 MG/KG		-									
ZINC				14.50 MG/KG		-									
PESTICIDES															
4,4'-DDD				23.00 UG/KG		U									
4,4'-DDE				23.00 UG/KG		U									

SAMPLE NUMBER:	067028			067029			067038			067039			067043		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
4,4'-DDT				23.00 UG/KG		U									
ALDRIN				11.00 UG/KG		U									
ALPHA-BHC				11.00 UG/KG		U									
ALPHA-CHLORDANE				110.00 UG/KG		U									
AROCLOR-1016				110.00 UG/KG		U									
AROCLOR-1221				110.00 UG/KG		U									
AROCLOR-1232				110.00 UG/KG		U									
AROCLOR-1242				110.00 UG/KG		U									
AROCLOR-1248				110.00 UG/KG		U									
AROCLOR-1254				230.00 UG/KG		U									
AROCLOR-1260				230.00 UG/KG		U									
BETA-BHC				11.00 UG/KG		U									
DELTA-BHC				11.00 UG/KG		U									
DIELDRIN				23.00 UG/KG		U									
ENDOSULFAN II				23.00 UG/KG		U									
ENDOSULFAN SULFATE				23.00 UG/KG		U									
ENDOSULFAN-I				11.00 UG/KG		U									
ENDRIN				23.00 UG/KG		U									
ENDRIN KETONE				23.00 UG/KG		U									
GAMMA-BHC (LINDANE)				11.00 UG/KG		U									
GAMMA-CHLORDANE				110.00 UG/KG		U									
HEPTACHLOR				11.00 UG/KG		U									
HEPTACHLOR EPOXIDE				11.00 UG/KG		U									
METHOXYCHLOR				110.00 UG/KG		U									
TOXAPHENE				230.00 UG/KG		U									
RADIONUCLIDES															
URANIUM-238	11.80 PCI/G	1.6	-												
URANIUM, TOTAL	38.20 MG/KG	5.84	J										128.00 MG/KG	14	J
URANIUM-234	11.40 PCI/G	1.6	-										51.40 PCI/G	5.9	J
THORIUM-230	3.31 PCI/G	.71	J										12.80 PCI/G	2	J
RADIUM-226	2.35 PCI/G	.23	-										6.36 PCI/G	.42	J
LEAD-210	1.18 PCI/G	.57	-										2.75 PCI/G	.64	J
URANIUM-235/236	0.57 PCI/G	.29	J										2.04 PCI/G	.39	J
THORIUM-232	2.47 PCI/G	.58	J										4.00 PCI/G	.78	-
THORIUM, TOTAL	22.20 MG/KG	5.2	J										36.10 MG/KG	7	-
RADIUM-228	2.46 PCI/G	.35	-										2.88 PCI/G	.34	J
THORIUM-228	2.64 PCI/G	.61	J										4.10 PCI/G	.79	J
NEPTUNIUM-237	0.60 PCI/G		UJ												
PLUTONIUM-239/240	0.60 PCI/G		U										0.60 PCI/G		U
PLUTONIUM-238	0.60 PCI/G		U										0.60 PCI/G		UJ
STRONTIUM-90	0.90 PCI/G		U										0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		U										1.00 PCI/G		U
RUTHENIUM-106	1.40 PCI/G		U										1.20 PCI/G		UJ

SAMPLE NUMBER:	067028			067029			067038			067039			067043		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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)
RADIONUCLIDES															
CESIUM-137	0.20 PCI/G		U										0.20 PCI/G		UJ
GROSS ALPHA	55.80 PCI/G	17.6	NV										140.00 PCI/G	35	NV
GROSS BETA	41.80 PCI/G	10	NV										75.00 PCI/G	16	NV
RADIUM-224	3.05 PCI/G	.36	-										3.11 PCI/G	.36	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				460.00 UG/KG		U									
1,2-DICHLOROBENZENE				460.00 UG/KG		U									
1,3-DICHLOROBENZENE				460.00 UG/KG		U									
1,4-DICHLOROBENZENE				460.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				2200.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				460.00 UG/KG		U									
2,4-DICHLOROPHENOL				460.00 UG/KG		U									
2,4-DIMETHYLPHENOL				460.00 UG/KG		U									
2,4-DINITROPHENOL				2200.00 UG/KG		UJ									
2,4-DINITROTOLUENE				460.00 UG/KG		U									
2,6-DINITROTOLUENE				460.00 UG/KG		U									
2-CHLORONAPHTHALENE				460.00 UG/KG		U									
2-CHLOROPHENOL				460.00 UG/KG		U									
2-METHYLNAPHTHALENE				460.00 UG/KG		U									
2-METHYLPHENOL				460.00 UG/KG		U									
2-NITROANILINE				2200.00 UG/KG		U									
2-NITROPHENOL				460.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				920.00 UG/KG		U									
3-NITROANILINE				2200.00 UG/KG		UJ									
4,6-DINITRO-2-METHYLPHENOL				2200.00 UG/KG		U									
4-BROMOPHENYL PHENYL ETHER				460.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				460.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				460.00 UG/KG		U									
4-METHYLPHENOL				460.00 UG/KG		U									
4-NITROANILINE				2200.00 UG/KG		U									
4-NITROPHENOL				2200.00 UG/KG		U									
ACENAPHTHENE				460.00 UG/KG		U									
ACENAPHTHYLENE				460.00 UG/KG		U									
ANTHRACENE				460.00 UG/KG		U									
BENZO(A)ANTHRACENE				460.00 UG/KG		U									
BENZO(A)PYRENE				460.00 UG/KG		U									
BENZO(B)FLUORANTHENE				460.00 UG/KG		U									
BENZO(G,H,I)PERYLENE				460.00 UG/KG		U									
BENZO(K)FLUORANTHENE				460.00 UG/KG		U									
BENZOIC ACID				2200.00 UG/KG		UJ									
BENZYL ALCOHOL				460.00 UG/KG		U									
BIS(2-CHLOROETHOXY)METHANE				460.00 UG/KG		U									
BIS(2-CHLOROETHYL)ETHER				460.00 UG/KG		U									

SAMPLE NUMBER:	067028			067029			067038			067039			067043		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER				460.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				460.00 UG/KG		U									
BUTYL BENZYL PHTHALATE				460.00 UG/KG		U									
CHRYSENE				460.00 UG/KG		U									
DI-N-BUTYL PHTHALATE				460.00 UG/KG		U									
DI-N-OCTYL PHTHALATE				460.00 UG/KG		U									
DIBENZO(A,H)ANTHRACENE				460.00 UG/KG		U									
DIBENZOFURAN				460.00 UG/KG		U									
DIETHYL PHTHALATE				460.00 UG/KG		U									
DIMETHYL PHTHALATE				460.00 UG/KG		U									
FLUORANTHENE				460.00 UG/KG		U									
FLUORENE				460.00 UG/KG		U									
HEXACHLOROBENZENE				460.00 UG/KG		U									
HEXACHLOROBUTADIENE				460.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				460.00 UG/KG		U									
HEXACHLOROETHANE				460.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				460.00 UG/KG		U									
ISOPHORONE				460.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				460.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				460.00 UG/KG		U									
NAPHTHALENE				460.00 UG/KG		U									
NITROBENZENE				460.00 UG/KG		U									
P-CHLOROANILINE				460.00 UG/KG		U									
PENTACHLOROPHENOL				2200.00 UG/KG		U									
PHENANTHRENE				460.00 UG/KG		U									
PHENOL				460.00 UG/KG		U									
PYRENE				460.00 UG/KG		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				7.00 UG/KG		UR									
1,1,2,2-TETRACHLOROETHANE				7.00 UG/KG		UR									
1,1,2-TRICHLOROETHANE				7.00 UG/KG		UR									
1,1-DICHLOROETHANE				7.00 UG/KG		UJ									
1,1-DICHLOROETHENE				7.00 UG/KG		UR									
1,2-DICHLOROETHANE				7.00 UG/KG		UJ									
1,2-DICHLOROETHENE (TOTAL)				7.00 UG/KG		UJ									
1,2-DICHLOROPROPANE				7.00 UG/KG		UR									
2-BUTANONE				14.00 UG/KG		UR									
2-HEXANONE				14.00 UG/KG		UR									
4-METHYL-2-PENTANONE				2.00 UG/KG		J									
ACETONE				25.00 UG/KG		UJ									
BENZENE				7.00 UG/KG		UR									
BROMODICHLOROMETHANE				7.00 UG/KG		UR									
BROMOFORM				7.00 UG/KG		UR									

SAMPLE NUMBER:	067028			067029			067038			067039			067043		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
BROMOMETHANE				14.00 UG/KG		UJ									
CARBON DISULFIDE				7.00 UG/KG		UJ									
CARBON TETRACHLORIDE				7.00 UG/KG		UR									
CHLOROBENZENE				7.00 UG/KG		UR									
CHLOROETHANE				14.00 UG/KG		UJ									
CHLOROFORM				7.00 UG/KG		UJ									
CHLOROMETHANE				14.00 UG/KG		UJ									
CIS-1,3-DICHLOROPROPENE				7.00 UG/KG		UR									
DIBROMOCHLOROMETHANE				7.00 UG/KG		UR									
ETHYLBENZENE				7.00 UG/KG		UR									
METHYLENE CHLORIDE				20.00 UG/KG		UJ									
STYRENE				7.00 UG/KG		UR									
TETRACHLOROETHENE				7.00 UG/KG		UR									
TOLUENE				7.00 UG/KG		UR									
TRANS-1,3-DICHLOROPROPENE				7.00 UG/KG		UR									
TRICHLOROETHENE				7.00 UG/KG		UR									
VINYL ACETATE				14.00 UG/KG		UR									
VINYL CHLORIDE				14.00 UG/KG		UJ									
XYLENES, TOTAL				7.00 UG/KG		UR									

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067046	067047	067032	067009	067010
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT		IT
WELL OR BORING NUMBER:	1710	1710	1710	1711	1711
DEPTH:	27-28.5	28.5-30	9-10.5	0-1.5	1.5-3
DATE COLLECTED:	01-JUN-91	01-JUN-91	31-MAY-91	23-MAY-91	23-MAY-91
NORTH COORDINATE:	477931.49	477931.49	477931.49	478126.52	478126.52
EAST COORDINATE:	1378993.33	1378993.33	1378993.33	1378968.88	1378968.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	R-NA	-	NONE-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)
INORGANICS															
ALUMINUM				2130.00 MG/KG		-	5210.00 MG/KG		-						
ANTIMONY				15.00 MG/KG		J	8.00 MG/KG		UR						
ARSENIC				3.00 MG/KG		-	20.70 MG/KG		-						
BARIUM				13.10 MG/KG		-	892.00 MG/KG		-						
BERYLLIUM				0.56 MG/KG		-	2.40 MG/KG		-						
CADMIUM				4.10 MG/KG		-	1.00 MG/KG		-						
CALCIUM				123000.00 MG/KG		-	6700.00 MG/KG		-						
CHROMIUM				5.60 MG/KG		-	5.80 MG/KG		-						
COBALT				5.20 MG/KG		-	12.10 MG/KG		-						
COPPER				21.30 MG/KG		-	26.60 MG/KG		-						
CYANIDE				0.42 MG/KG		-	0.62 MG/KG		-						
IRON				7170.00 MG/KG		-	20100.00 MG/KG		-						
LEAD				6.40 MG/KG		J	11.70 MG/KG		J						
MAGNESIUM				25100.00 MG/KG		J	809.00 MG/KG		J						
MANGANESE				319.00 MG/KG		-	411.00 MG/KG		-						
MERCURY				0.11 MG/KG		UJ	0.12 MG/KG		UJ						
MOLYBDENUM				3.60 MG/KG		-	3.40 MG/KG		-						
NICKEL				17.50 MG/KG		-	19.50 MG/KG		-						
POTASSIUM				473.00 MG/KG		-	821.00 MG/KG		-						
SELENIUM				0.45 MG/KG		UJ	3.10 MG/KG		J						
SILVER				4.30 MG/KG		J	2.70 MG/KG		UJ						
SODIUM				211.00 MG/KG		-	271.00 MG/KG		-						
THALLIUM				0.45 MG/KG		UJ	0.54 MG/KG		UJ						
VANADIUM				10.70 MG/KG		-	22.60 MG/KG		-						
ZINC				25.80 MG/KG		-	12.20 MG/KG		-						
PESTICIDES															
4,4'-DDD				37.00 UG/KG		U	22.00 UG/KG		U						
4,4'-DDE				37.00 UG/KG		U	22.00 UG/KG		U						

SAMPLE NUMBER:	067046			067047			067032			067009			067010		
LAB:				IT			IT								
SUFFIX/FILTERFLAG:	-			DL-NA			NONE-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															
4,4'-DDT				37.00 UG/KG		U	22.00 UG/KG		U						
ALDRIN				18.00 UG/KG		U	11.00 UG/KG		U						
ALPHA-BHC				9.20 UG/KG		UR	11.00 UG/KG		U						
ALPHA-CHLORDANE				180.00 UG/KG		U	110.00 UG/KG		U						
AROCLOR-1016				180.00 UG/KG		U	110.00 UG/KG		U						
AROCLOR-1221				92.00 UG/KG		UR	110.00 UG/KG		U						
AROCLOR-1232				180.00 UG/KG		U	110.00 UG/KG		U						
AROCLOR-1242				92.00 UG/KG		UR	110.00 UG/KG		U						
AROCLOR-1248				180.00 UG/KG		U	110.00 UG/KG		U						
AROCLOR-1254				370.00 UG/KG		U	220.00 UG/KG		U						
AROCLOR-1260				390.00 UG/KG		-	220.00 UG/KG		U						
BETA-BHC				9.20 UG/KG		UR	11.00 UG/KG		U						
DELTA-BHC				9.20 UG/KG		UR	11.00 UG/KG		U						
DIELDRIN				18.00 UG/KG		UR	22.00 UG/KG		U						
ENDOSULFAN II				18.00 UG/KG		UR	22.00 UG/KG		U						
ENDOSULFAN SULFATE				37.00 UG/KG		U	22.00 UG/KG		U						
ENDOSULFAN-I				9.20 UG/KG		UR	11.00 UG/KG		U						
ENDRIN				37.00 UG/KG		U	22.00 UG/KG		U						
ENDRIN KETONE				18.00 UG/KG		UR	22.00 UG/KG		U						
GAMMA-BHC (LINDANE)				18.00 UG/KG		U	11.00 UG/KG		U						
GAMMA-CHLORDANE				92.00 UG/KG		UR	110.00 UG/KG		U						
HEPTACHLOR				9.20 UG/KG		UR	11.00 UG/KG		U						
HEPTACHLOR EPOXIDE				18.00 UG/KG		U	11.00 UG/KG		U						
METHOXYCHLOR				92.00 UG/KG		UR	110.00 UG/KG		U						
TOXAPHENE				180.00 UG/KG		UR	220.00 UG/KG		U						
RADIONUCLIDES															
URANIUM-238	180.00 PCI/G	13	-										40.10 PCI/G	4.6	-
URANIUM, TOTAL	660.00 MG/KG	67	-										123.00 MG/KG	14	-
URANIUM-234	187.00 PCI/G	25	-										42.00 PCI/G	4.8	-
THORIUM-230	54.60 PCI/G	7.8	-										1.41 PCI/G	.33	J
RADIUM-226	36.00 PCI/G	1.9	-										2.74 PCI/G	.25	-
LEAD-210	16.80 PCI/G	2.1	-										1.24 PCI/G	.69	-
URANIUM-235/236	12.70 PCI/G	1.2	-										2.42 PCI/G	.44	-
THORIUM-232	3.28 PCI/G	.69	-										0.80 PCI/G	.24	J
THORIUM, TOTAL	29.60 MG/KG	6.3	-										7.22 MG/KG	2.14	J
RADIUM-228	3.12 PCI/G	.44	-										2.16 PCI/G	.32	-
THORIUM-228	3.03 PCI/G	.66	J										0.79 PCI/G	.23	J
NEPTUNIUM-237	0.60 PCI/G		UJ										0.60 PCI/G		UJ
PLUTONIUM-239/240	1.00 PCI/G		U										0.60 PCI/G		R
PLUTONIUM-238	1.00 PCI/G		U										0.60 PCI/G		R
STRONTIUM-90	1.74 PCI/G	.35	-										1.10 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		UJ										1.00 PCI/G		U
RUTHENIUM-106	1.80 PCI/G		U										1.50 PCI/G		U

SAMPLE NUMBER:	067046			067047			067032			067009			067010		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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)
RADIONUCLIDES															
CESIUM-137	0.20 PCI/G		U										0.20 PCI/G		U
GROSS ALPHA	766.00 PCI/G	160	NV										102.00 PCI/G	26	NV
GROSS BETA	442.00 PCI/G	90	NV										72.30 PCI/G	15.9	NV
RADIUM-224	3.49 PCI/G	.43	-										2.94 PCI/G	.36	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				370.00 UG/KG		U	450.00 UG/KG		U						
1,2-DICHLOROBENZENE				370.00 UG/KG		U	450.00 UG/KG		U						
1,3-DICHLOROBENZENE				370.00 UG/KG		U	440.00 UG/KG		UR						
1,4-DICHLOROBENZENE				370.00 UG/KG		U	450.00 UG/KG		U						
2,4,5-TRICHLOROPHENOL				1800.00 UG/KG		U	2200.00 UG/KG		UR						
2,4,6-TRICHLOROPHENOL				370.00 UG/KG		U	450.00 UG/KG		UJ						
2,4-DICHLOROPHENOL				370.00 UG/KG		U	440.00 UG/KG		UR						
2,4-DIMETHYLPHENOL				370.00 UG/KG		U	450.00 UG/KG		U						
2,4-DINITROPHENOL				1800.00 UG/KG		UJ	2200.00 UG/KG		UR						
2,4-DINITROTOLUENE				370.00 UG/KG		U	450.00 UG/KG		U						
2,6-DINITROTOLUENE				370.00 UG/KG		U	440.00 UG/KG		UR						
2-CHLORONAPHTHALENE				370.00 UG/KG		U	440.00 UG/KG		UR						
2-CHLOROPHENOL				370.00 UG/KG		U	450.00 UG/KG		UJ						
2-METHYLNAPHTHALENE				370.00 UG/KG		U	450.00 UG/KG		U						
2-METHYLPHENOL				370.00 UG/KG		U	440.00 UG/KG		UR						
2-NITROANILINE				1800.00 UG/KG		U	2200.00 UG/KG		U						
2-NITROPHENOL				370.00 UG/KG		U	440.00 UG/KG		UR						
3,3'-DICHLOROBENZIDINE				750.00 UG/KG		U	900.00 UG/KG		U						
3-NITROANILINE				1800.00 UG/KG		UJ	2200.00 UG/KG		UR						
4,6-DINITRO-2-METHYLPHENOL				1800.00 UG/KG		U	2200.00 UG/KG		UR						
4-BROMOPHENYL PHENYL ETHER				370.00 UG/KG		U	450.00 UG/KG		U						
4-CHLORO-3-METHYLPHENOL				370.00 UG/KG		U	440.00 UG/KG		UR						
4-CHLOROPHENYLPHENYL ETHER				370.00 UG/KG		U	450.00 UG/KG		U						
4-METHYLPHENOL				370.00 UG/KG		U	450.00 UG/KG		UJ						
4-NITROANILINE				1800.00 UG/KG		U	2200.00 UG/KG		UR						
4-NITROPHENOL				1800.00 UG/KG		U	2200.00 UG/KG		UJ						
ACENAPHTHENE				370.00 UG/KG		U	440.00 UG/KG		UR						
ACENAPHTHYLENE				370.00 UG/KG		U	450.00 UG/KG		U						
ANTHRACENE				370.00 UG/KG		U	450.00 UG/KG		U						
BENZO(A)ANTHRACENE				370.00 UG/KG		U	450.00 UG/KG		U						
BENZO(A)PYRENE				370.00 UG/KG		U	440.00 UG/KG		UR						
BENZO(B)FLUORANTHENE				370.00 UG/KG		U	450.00 UG/KG		U						
BENZO(G,H,I)PERYLENE				370.00 UG/KG		U	440.00 UG/KG		UR						
BENZO(K)FLUORANTHENE				370.00 UG/KG		U	450.00 UG/KG		U						
BENZOIC ACID				1800.00 UG/KG		UJ	2200.00 UG/KG		UR						
BENZYL ALCOHOL				370.00 UG/KG		U	450.00 UG/KG		U						
BIS(2-CHLOROETHOXY)METHANE				370.00 UG/KG		U	440.00 UG/KG		UR						
BIS(2-CHLOROETHYL)ETHER				370.00 UG/KG		U	450.00 UG/KG		U						

SAMPLE NUMBER:	067046			067047			067032			067009			067010		
LAB:				IT			IT								
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER				370.00 UG/KG		U	440.00 UG/KG		UR						
BIS(2-ETHYLHEXYL)PHTHALATE				620.00 UG/KG		-	450.00 UG/KG		U						
BUTYL BENZYL PHTHALATE				370.00 UG/KG		U	440.00 UG/KG		UR						
CHRYSENE				370.00 UG/KG		U	450.00 UG/KG		U						
DI-N-BUTYL PHTHALATE				370.00 UG/KG		U	450.00 UG/KG		U						
DI-N-OCTYL PHTHALATE				370.00 UG/KG		U	440.00 UG/KG		UR						
DIBENZO(A,H)ANTHRACENE				370.00 UG/KG		U	450.00 UG/KG		U						
DIBENZOFURAN				370.00 UG/KG		U	440.00 UG/KG		UR						
DIETHYL PHTHALATE				370.00 UG/KG		U	450.00 UG/KG		U						
DIMETHYL PHTHALATE				370.00 UG/KG		U	440.00 UG/KG		UR						
FLUORANTHENE				370.00 UG/KG		U	450.00 UG/KG		U						
FLUORENE				370.00 UG/KG		U	440.00 UG/KG		UR						
HEXACHLOROBENZENE				370.00 UG/KG		U	440.00 UG/KG		UR						
HEXACHLOROBUTADIENE				370.00 UG/KG		U	450.00 UG/KG		U						
HEXACHLOROCYCLOPENTADIENE				370.00 UG/KG		U	440.00 UG/KG		UR						
HEXACHLOROETHANE				370.00 UG/KG		U	450.00 UG/KG		U						
INDENO(1,2,3-CD)PYRENE				370.00 UG/KG		U	440.00 UG/KG		UR						
ISOPHORONE				370.00 UG/KG		U	450.00 UG/KG		U						
N-NITROSO-DI-N-PROPYLAMINE				370.00 UG/KG		U	450.00 UG/KG		U						
N-NITROSODIPHENYLAMINE				370.00 UG/KG		U	440.00 UG/KG		UR						
NAPHTHALENE				370.00 UG/KG		U	450.00 UG/KG		U						
NITROBENZENE				370.00 UG/KG		U	450.00 UG/KG		U						
P-CHLOROANILINE				370.00 UG/KG		U	450.00 UG/KG		U						
PENTACHLOROPHENOL				1800.00 UG/KG		U	2200.00 UG/KG		UR						
PHENANTHRENE				370.00 UG/KG		U	450.00 UG/KG		U						
PHENOL				370.00 UG/KG		U	440.00 UG/KG		UR						
PYRENE				370.00 UG/KG		U	450.00 UG/KG		U						
VOLATILES															
1,1,1-TRICHLOROETHANE				6.00 UG/KG		U	170.00 UG/KG		R						
1,1,2,2-TETRACHLOROETHANE				6.00 UG/KG		U	7.00 UG/KG		UR						
1,1,2-TRICHLOROETHANE				6.00 UG/KG		U	7.00 UG/KG		UR						
1,1-DICHLOROETHANE				6.00 UG/KG		U	7.00 UG/KG		UJ						
1,1-DICHLOROETHENE				6.00 UG/KG		U	7.00 UG/KG		UR						
1,2-DICHLOROETHANE				6.00 UG/KG		U	7.00 UG/KG		UR						
1,2-DICHLOROETHENE (TOTAL)				6.00 UG/KG		U	7.00 UG/KG		UR						
1,2-DICHLOROPROPANE				6.00 UG/KG		U	7.00 UG/KG		UR						
2-BUTANONE				11.00 UG/KG		U	13.00 UG/KG		UR						
2-HEXANONE				11.00 UG/KG		U	13.00 UG/KG		UR						
4-METHYL-2-PENTANONE				1.00 UG/KG		J	13.00 UG/KG		UR						
ACETONE				35.00 UG/KG		R	13.00 UG/KG		UR						
BENZENE				6.00 UG/KG		U	7.00 UG/KG		UR						
BROMODICHLOROMETHANE				6.00 UG/KG		U	7.00 UG/KG		UR						
BROMOFORM				6.00 UG/KG		U	7.00 UG/KG		UR						

SAMPLE NUMBER:	067046			067047			067032			067009			067010		
LAB:				IT			IT								
SUFFIX/FILTERFLAG:	-			NONE-NA			R-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)
VOLATILES															
BROMOMETHANE				11.00 UG/KG		UJ	13.00 UG/KG		UJ						
CARBON DISULFIDE				6.00 UG/KG		UJ	7.00 UG/KG		UR						
CARBON TETRACHLORIDE				6.00 UG/KG		U	7.00 UG/KG		UR						
CHLOROBENZENE				6.00 UG/KG		U	7.00 UG/KG		UR						
CHLOROETHANE				11.00 UG/KG		U	13.00 UG/KG		UJ						
CHLOROFORM				6.00 UG/KG		U	7.00 UG/KG		UR						
CHLOROMETHANE				11.00 UG/KG		UJ	13.00 UG/KG		UJ						
CIS-1,3-DICHLOROPROPENE				6.00 UG/KG		U	7.00 UG/KG		UR						
DIBROMOCHLOROMETHANE				6.00 UG/KG		U	7.00 UG/KG		UR						
ETHYLBENZENE				6.00 UG/KG		U	7.00 UG/KG		UR						
METHYLENE CHLORIDE				12.00 UG/KG		UJ	10.00 UG/KG		UJ						
STYRENE				6.00 UG/KG		U	7.00 UG/KG		UR						
TETRACHLOROETHENE				6.00 UG/KG		U	7.00 UG/KG		UR						
TOLUENE				6.00 UG/KG		U	7.00 UG/KG		UR						
TRANS-1,3-DICHLOROPROPENE				6.00 UG/KG		U	7.00 UG/KG		UR						
TRICHLOROETHENE				6.00 UG/KG		U	7.00 UG/KG		UR						
VINYL ACETATE				11.00 UG/KG		U	13.00 UG/KG		UR						
VINYL CHLORIDE				11.00 UG/KG		U	13.00 UG/KG		UR						
XYLENES, TOTAL				6.00 UG/KG		U	7.00 UG/KG		UR						

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067014	067016	067017	067019	067020
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT			IT	IT
WELL OR BORING NUMBER:	1711	1711	1711	1711	1711
DEPTH:	7.5-9	10.5-12	10.5-12	13.5-15	18-19.5
DATE COLLECTED:	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91
NORTH COORDINATE:	478126.52	478126.52	478126.52	478126.52	478126.52
EAST COORDINATE:	1378968.88	1378968.88	1378968.88	1378968.88	1378968.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	-	NONE-NA	R-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)
INORGANICS															
ALUMINUM													8840.00 MG/KG		-
ANTIMONY													16.30 MG/KG		J
ARSENIC													6.90 MG/KG		J
BARIUM													89.60 MG/KG		-
BERYLLIUM													0.77 MG/KG		-
CADMIUM													2.00 MG/KG		-
CALCIUM													9090.00 MG/KG		J
CHROMIUM													19.10 MG/KG		-
COBALT													10.50 MG/KG		-
COPPER													44.90 MG/KG		-
CYANIDE													0.18 MG/KG		-
IRON													15900.00 MG/KG		-
LEAD													57.00 MG/KG		-
MAGNESIUM													3930.00 MG/KG		-
MANGANESE													261.00 MG/KG		-
MERCURY													0.44 MG/KG		-
MOLYBDENUM													3.30 MG/KG		-
NICKEL													18.30 MG/KG		-
POTASSIUM													966.00 MG/KG		-
SELENIUM													0.73 MG/KG		J
SILVER													4.40 MG/KG		-
SODIUM													100.00 MG/KG		-
THALLIUM													0.55 MG/KG		U
VANADIUM													21.70 MG/KG		-
ZINC													102.00 MG/KG		-
PESTICIDES															
4,4'-DDD													22.00 UG/KG		U
4,4'-DDE													22.00 UG/KG		U

SAMPLE NUMBER:	067014			067016			067017			067019			067020		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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															
4,4'-DDT													22.00 UG/KG		U
ALDRIN													11.00 UG/KG		U
ALPHA-BHC													11.00 UG/KG		U
ALPHA-CHLORDANE													110.00 UG/KG		U
AROCLOR-1016													110.00 UG/KG		U
AROCLOR-1221													110.00 UG/KG		U
AROCLOR-1232													110.00 UG/KG		U
AROCLOR-1242													110.00 UG/KG		U
AROCLOR-1248													110.00 UG/KG		U
AROCLOR-1254													210.00 UG/KG		J
AROCLOR-1260													220.00 UG/KG		U
BETA-BHC													11.00 UG/KG		U
DELTA-BHC													11.00 UG/KG		U
DIELDRIN													22.00 UG/KG		U
ENDOSULFAN II													22.00 UG/KG		U
ENDOSULFAN SULFATE													22.00 UG/KG		U
ENDOSULFAN-I													11.00 UG/KG		U
ENDRIN													22.00 UG/KG		U
ENDRIN KETONE													22.00 UG/KG		U
GAMMA-BHC (LINDANE)													11.00 UG/KG		U
GAMMA-CHLORDANE													110.00 UG/KG		U
HEPTACHLOR													11.00 UG/KG		U
HEPTACHLOR EPOXIDE													11.00 UG/KG		U
METHOXYCHLOR													110.00 UG/KG		U
TOXAPHENE													220.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238	6.07 PCI/G	.85	J							3.52 PCI/G	.66	J			
URANIUM, TOTAL	18.20 MG/KG	4.3	J							18.00 MG/KG	4	J			
URANIUM-234	5.93 PCI/G	.85	-							4.95 PCI/G	.72	-			
THORIUM-230	6.09 PCI/G	1.21	-							2.14 PCI/G	.47	J			
RADIUM-226	4.11 PCI/G	.32	-							1.48 PCI/G	.17	-			
LEAD-210	1.87 PCI/G	.59	-							0.71 PCI/G	.48	-			
URANIUM-235/236	0.50 PCI/G		U							0.40 PCI/G		U			
THORIUM-232	3.10 PCI/G	.74	-							1.10 PCI/G	.3	J			
THORIUM, TOTAL	28.00 MG/KG	6.7	-							9.89 MG/KG	2.75	J			
RADIUM-228	2.67 PCI/G	.35	-							1.27 PCI/G	.26	-			
THORIUM-228	3.34 PCI/G	.79	-							1.56 PCI/G	.38	J			
NEPTUNIUM-237	0.60 PCI/G		UJ							0.60 PCI/G		UJ			
PLUTONIUM-239/240	0.60 PCI/G		U							0.60 PCI/G		U			
PLUTONIUM-238	0.60 PCI/G		U							0.60 PCI/G		U			
STRONTIUM-90	0.90 PCI/G		U							0.90 PCI/G		U			
TECHNETIUM-99	1.00 PCI/G		U							1.00 PCI/G		U			
RUTHENIUM-106	1.40 PCI/G		U							1.20 PCI/G		U			

SAMPLE NUMBER:	067014			067016			067017			067019			067020		
LAB:	IT									IT					
SUFFIX/FILTERFLAG:	NONE-NA			-			-			NONE-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)
RADIONUCLIDES															
CESIUM-137	0.20 PCI/G		U							0.20 PCI/G		U			
GROSS ALPHA	59.00 PCI/G	17.7	NV							24.80 PCI/G	11.3	NV			
GROSS BETA	36.50 PCI/G	9.1	NV							28.60 PCI/G	7.7	NV			
RADIUM-224	3.22 PCI/G	.38	-							1.71 PCI/G	.24	-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													460.00 UG/KG		U
1,2-DICHLOROBENZENE													460.00 UG/KG		U
1,3-DICHLOROBENZENE													460.00 UG/KG		U
1,4-DICHLOROBENZENE													460.00 UG/KG		U
2,4,5-TRICHLOROPHENOL													2200.00 UG/KG		U
2,4,6-TRICHLOROPHENOL													460.00 UG/KG		U
2,4-DICHLOROPHENOL													460.00 UG/KG		U
2,4-DIMETHYLPHENOL													460.00 UG/KG		U
2,4-DINITROPHENOL													2200.00 UG/KG		UJ
2,4-DINITROTOLUENE													460.00 UG/KG		U
2,6-DINITROTOLUENE													460.00 UG/KG		U
2-CHLORONAPHTHALENE													460.00 UG/KG		U
2-CHLOROPHENOL													460.00 UG/KG		U
2-METHYLNAPHTHALENE													460.00 UG/KG		U
2-METHYLPHENOL													460.00 UG/KG		U
2-NITROANILINE													2200.00 UG/KG		U
2-NITROPHENOL													460.00 UG/KG		U
3,3'-DICHLOROBENZIDINE													930.00 UG/KG		U
3-NITROANILINE													2200.00 UG/KG		U
4,6-DINITRO-2-METHYLPHENOL													2200.00 UG/KG		UJ
4-BROMOPHENYL PHENYL ETHER													460.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL													460.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER													460.00 UG/KG		U
4-METHYLPHENOL													460.00 UG/KG		U
4-NITROANILINE													2200.00 UG/KG		U
4-NITROPHENOL													2200.00 UG/KG		U
ACENAPHTHENE													460.00 UG/KG		U
ACENAPHTHYLENE													460.00 UG/KG		U
ANTHRACENE													460.00 UG/KG		U
BENZO(A)ANTHRACENE													460.00 UG/KG		U
BENZO(A)PYRENE													460.00 UG/KG		U
BENZO(B)FLUORANTHENE													460.00 UG/KG		U
BENZO(G,H,I)PERYLENE													460.00 UG/KG		U
BENZO(K)FLUORANTHENE													460.00 UG/KG		U
BENZOIC ACID													150.00 UG/KG		J
BENZYL ALCOHOL													460.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE													460.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER													460.00 UG/KG		U

SAMPLE NUMBER:	067014			067016			067017			067019			067020		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER													460.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE													460.00 UG/KG		U
BUTYL BENZYL PHTHALATE													460.00 UG/KG		U
CHRYSENE													460.00 UG/KG		U
DI-N-BUTYL PHTHALATE													460.00 UG/KG		U
DI-N-OCTYL PHTHALATE													460.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE													460.00 UG/KG		U
DIBENZOFURAN													460.00 UG/KG		U
DIETHYL PHTHALATE													460.00 UG/KG		U
DIMETHYL PHTHALATE													460.00 UG/KG		U
FLUORANTHENE													460.00 UG/KG		U
FLUORENE													460.00 UG/KG		U
HEXACHLOROBENZENE													460.00 UG/KG		U
HEXACHLOROBUTADIENE													460.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE													460.00 UG/KG		U
HEXACHLOROETHANE													460.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE													460.00 UG/KG		U
ISOPHORONE													460.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE													460.00 UG/KG		U
N-NITROSODIPHENYLAMINE													460.00 UG/KG		U
NAPHTHALENE													460.00 UG/KG		U
NITROBENZENE													460.00 UG/KG		U
P-CHLOROANILINE													460.00 UG/KG		U
PENTACHLOROPHENOL													460.00 UG/KG		U
PHENANTHRENE													2200.00 UG/KG		U
PHENOL													460.00 UG/KG		U
PYRENE													460.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE													7.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													7.00 UG/KG		UR
1,1,2-TRICHLOROETHANE													7.00 UG/KG		U
1,1-DICHLOROETHANE													7.00 UG/KG		UR
1,1-DICHLOROETHENE													7.00 UG/KG		U
1,2-DICHLOROETHANE													7.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													7.00 UG/KG		UR
1,2-DICHLOROPROPANE													7.00 UG/KG		UR
2-BUTANONE													14.00 UG/KG		UR
2-HEXANONE													14.00 UG/KG		UR
4-METHYL-2-PENTANONE													14.00 UG/KG		UR
ACETONE													21.00 UG/KG		R
BENZENE													7.00 UG/KG		UR
BROMODICHLOROMETHANE													7.00 UG/KG		UR
BROMOFORM													7.00 UG/KG		UR

SAMPLE NUMBER:	067014			067016			067017			067019			067020		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
BROMOMETHANE													14.00 UG/KG		UR
CARBON DISULFIDE													7.00 UG/KG		UR
CARBON TETRACHLORIDE													7.00 UG/KG		UR
CHLOROBENZENE													7.00 UG/KG		UR
CHLOROETHANE													14.00 UG/KG		UR
CHLOROFORM													7.00 UG/KG		UR
CHLOROMETHANE													14.00 UG/KG		UR
CIS-1,3-DICHLOROPROPENE													7.00 UG/KG		UR
DIBROMOCHLOROMETHANE													7.00 UG/KG		UR
ETHYLBENZENE													7.00 UG/KG		UR
METHYLENE CHLORIDE													4.00 UG/KG		R
STYRENE													7.00 UG/KG		UR
TETRACHLOROETHENE													7.00 UG/KG		UR
TOLUENE													7.00 UG/KG		UR
TRANS-1,3-DICHLOROPROPENE													7.00 UG/KG		UR
TRICHLOROETHENE													7.00 UG/KG		UR
VINYL ACETATE													14.00 UG/KG		UR
VINYL CHLORIDE													14.00 UG/KG		UR
XYLENES, TOTAL													7.00 UG/KG		UR

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067012	067015	067121	067122	067604
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1711	1711	1791	1791	1849
DEPTH:	4.5-6	9-10.5	27-28.5	28.5-30	6-7.5
DATE COLLECTED:	29-MAY-91	29-MAY-91	25-JUN-91	25-JUN-91	22-FEB-92
NORTH COORDINATE:	478126.52	478126.52	477812.99	477812.99	477806.91
EAST COORDINATE:	1378968.88	1378968.88	1378970.18	1378970.18	1378975.19
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TOTAL ORGANIC CARBON													192011.00 MG/KG		-
INORGANICS															
ALUMINUM	3690.00 MG/KG		-	4970.00 MG/KG		-				7210.00 MG/KG		-			
ANTIMONY	8.80 MG/KG		J	10.40 MG/KG		J				6.50 MG/KG		UJ			
ARSENIC	28.00 MG/KG		J	35.40 MG/KG		J				3.60 MG/KG		J			
BARIUM	360.00 MG/KG		-	373.00 MG/KG		-				83.90 MG/KG		-			
BERYLLIUM	3.00 MG/KG		-	2.50 MG/KG		-				0.54 MG/KG		-			
CADMIUM	0.69 MG/KG		-	0.66 MG/KG		-				0.65 MG/KG		-			
CALCIUM	3430.00 MG/KG		J	2510.00 MG/KG		J				7810.00 MG/KG		-			
CHROMIUM	6.50 MG/KG		-	8.40 MG/KG		-				13.10 MG/KG		-			
COBALT	5.70 MG/KG		-	5.70 MG/KG		-				9.40 MG/KG		-			
COPPER	19.70 MG/KG		-	24.10 MG/KG		-				12.10 MG/KG		-			
CYANIDE	0.60 MG/KG		-	0.53 MG/KG		-									
IRON	8930.00 MG/KG		-	6390.00 MG/KG		-				13500.00 MG/KG		-			
LEAD	7.00 MG/KG		-	10.70 MG/KG		-				10.40 MG/KG		J			
MAGNESIUM	377.00 MG/KG		-	404.00 MG/KG		-				4800.00 MG/KG		-			
MANGANESE	102.00 MG/KG		-	41.80 MG/KG		-				602.00 MG/KG		J			
MERCURY	0.12 MG/KG		U	0.18 MG/KG		-				0.11 MG/KG		UJ			
MOLYBDENUM	3.20 MG/KG		-	4.00 MG/KG		-				8.10 MG/KG		-			
NICKEL	11.00 MG/KG		-	9.70 MG/KG		-				14.80 MG/KG		-			
POTASSIUM	456.00 MG/KG		-	704.00 MG/KG		-				1030.00 MG/KG		-			
SELENIUM	1.60 MG/KG		J	2.70 MG/KG		-				0.49 MG/KG		U			
SILVER	2.60 MG/KG		UJ	2.90 MG/KG		UJ				2.80 MG/KG		J			
SODIUM	108.00 MG/KG		-	157.00 MG/KG		-				91.70 MG/KG		-			
THALLIUM	1.00 MG/KG		-	1.00 MG/KG		-				0.49 MG/KG		U			
VANADIUM	24.30 MG/KG		-	33.50 MG/KG		-				16.70 MG/KG		-			
ZINC	10.50 MG/KG		-	12.00 MG/KG		-				36.70 MG/KG		-			

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PESTICIDES

4,4'-DDD	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U		

SAMPLE NUMBER:	067012			067015			067121			067122			067604		
LAB:	IT			IT						IT					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-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															
4,4'-DDE	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U			
4,4'-DDT	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U			
ALDRIN	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
ALPHA-BHC	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
ALPHA-CHLORDANE	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
AROCLOR-1016	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
AROCLOR-1221	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
AROCLOR-1232	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
AROCLOR-1242	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
AROCLOR-1248	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
AROCLOR-1254	210.00 UG/KG		U	230.00 UG/KG		U				200.00 UG/KG		U			
AROCLOR-1260	210.00 UG/KG		U	230.00 UG/KG		U				200.00 UG/KG		U			
BETA-BHC	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
DELTA-BHC	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
DIELDRIN	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U			
ENDOSULFAN II	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U			
ENDOSULFAN SULFATE	21.00 UG/KG		U	14.00 UG/KG		U				20.00 UG/KG		U			
ENDOSULFAN-I	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
ENDRIN	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U			
ENDRIN KETONE	21.00 UG/KG		U	23.00 UG/KG		U				20.00 UG/KG		U			
GAMMA-BHC (LINDANE)	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
GAMMA-CHLORDANE	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
HEPTACHLOR	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
HEPTACHLOR EPOXIDE	11.00 UG/KG		U	12.00 UG/KG		U				9.90 UG/KG		U			
METHOXYCHLOR	110.00 UG/KG		U	120.00 UG/KG		U				99.00 UG/KG		U			
TOXAPHENE	210.00 UG/KG		U	230.00 UG/KG		U				200.00 UG/KG		U			
RADIONUCLIDES															
URANIUM, TOTAL							873.00 MG/KG	124	J						
THORIUM-230							1.73 PCI/G	.32	J						
RADIUM-226							1.39 PCI/G	.19	J						
THORIUM-232							0.95 PCI/G	.21	J						
THORIUM, TOTAL							8.58 MG/KG	1.93	J						
RADIUM-228							1.03 PCI/G	.29	J						
THORIUM-228							1.11 PCI/G	.24	J						
NEPTUNIUM-237							0.60 PCI/G		UJ						
PLUTONIUM-239/240							0.60 PCI/G		U						
PLUTONIUM-238							0.60 PCI/G		UJ						
STRONTIUM-90							1.00 PCI/G		U						
TECHNETIUM-99							1.00 PCI/G		U						

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

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SAMPLE NUMBER:	067012			067015			067121			067122			067604		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106							1.10 PCI/G		UJ						
CESIUM-137							0.20 PCI/G		UJ						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
1,2-DICHLOROBENZENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
1,3-DICHLOROBENZENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
1,4-DICHLOROBENZENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	2100.00 UG/KG		U	2300.00 UG/KG		U				4000.00 UG/KG		U	2200.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2,4-DICHLOROPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2,4-DIMETHYLPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2,4-DINITROPHENOL	2100.00 UG/KG		UJ	2300.00 UG/KG		UJ				4000.00 UG/KG		UJ	2200.00 UG/KG		UJ
2,4-DINITROTOLUENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2,6-DINITROTOLUENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2-CHLORONAPHTHALENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2-CHLOROPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2-METHYLNAPHTHALENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	50.00 UG/KG		J
2-METHYLPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
2-NITROANILINE	2100.00 UG/KG		U	2300.00 UG/KG		U				4000.00 UG/KG		U	2200.00 UG/KG		U
2-NITROPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		UJ
3,3'-DICHLOROBENZIDINE	870.00 UG/KG		U	950.00 UG/KG		U				1600.00 UG/KG		U	930.00 UG/KG		UJ
3-NITROANILINE	2100.00 UG/KG		U	2300.00 UG/KG		U				4000.00 UG/KG		UJ	2200.00 UG/KG		U
4,6-DINITRO-2-METHYLPHENOL	2100.00 UG/KG		UJ	2300.00 UG/KG		UJ				4000.00 UG/KG		U	2200.00 UG/KG		UJ
4-BROMOPHENYL PHENYL ETHER	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
4-METHYLPHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
4-NITROANILINE	2100.00 UG/KG		U	2300.00 UG/KG		U				4000.00 UG/KG		U	2200.00 UG/KG		U
4-NITROPHENOL	2100.00 UG/KG		U	2300.00 UG/KG		U				4000.00 UG/KG		U	2200.00 UG/KG		UJ
ACENAPHTHENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
ACENAPHTHYLENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
ANTHRACENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BENZO(A)ANTHRACENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BENZO(A)PYRENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BENZO(B)FLUORANTHENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BENZO(G,H,I)PERYLENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BENZO(K)FLUORANTHENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BENZOIC ACID	2100.00 UG/KG		UJ	2300.00 UG/KG		UJ				4000.00 UG/KG		U	2200.00 UG/KG		U
BENZYL ALCOHOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHER	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		UJ	460.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U

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SAMPLE NUMBER:	067012			067015			067121			067122			067604		
LAB:	IT			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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)
SEMIVOLATILES															
BUTYL BENZYL PHTHALATE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
CHRYSENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
DI-N-BUTYL PHTHALATE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
DI-N-OCTYL PHTHALATE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
DIBENZOFURAN	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
DIETHYL PHTHALATE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
DIMETHYL PHTHALATE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
FLUORANTHENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
FLUORENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
HEXACHLOROBENZENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
HEXACHLOROBUTADIENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		UJ
HEXACHLOROETHANE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
ISOPHORONE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
N-NITROSODIPHENYLAMINE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
NAPHTHALENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
NITROBENZENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
P-CHLOROANILINE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
PENTACHLOROPHENOL	2100.00 UG/KG		U	2300.00 UG/KG		U				4000.00 UG/KG		U	2200.00 UG/KG		U
PHENANTHRENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
PHENOL	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
PYRENE	430.00 UG/KG		U	480.00 UG/KG		U				820.00 UG/KG		U	460.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE	51.00 UG/KG		J	96.00 UG/KG		R				6.00 UG/KG		U	18.00 UG/KG		J
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
1,1,2-TRICHLOROETHANE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
1,1-DICHLOROETHANE	6.00 UG/KG		UJ	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
1,1-DICHLOROETHENE	6.00 UG/KG		UJ	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
1,2-DICHLOROETHANE	6.00 UG/KG		UJ	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		UJ	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
1,2-DICHLOROPROPANE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
2-BUTANONE	13.00 UG/KG		UJ	14.00 UG/KG		UR				12.00 UG/KG		U	14.00 UG/KG		UJ
2-HEXANONE	13.00 UG/KG		UR	14.00 UG/KG		UR				12.00 UG/KG		U	14.00 UG/KG		UJ
4-METHYL-2-PENTANONE	13.00 UG/KG		UR	14.00 UG/KG		UR				12.00 UG/KG		U	7.00 UG/KG		UJ
ACETONE	13.00 UG/KG		U	14.00 UG/KG		R				61.00 UG/KG		U	33.00 UG/KG		UJ
BENZENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
BROMODICHLOROMETHANE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
BROMOFORM	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		UJ	7.00 UG/KG		UJ
BROMOMETHANE	13.00 UG/KG		UJ	14.00 UG/KG		UJ				12.00 UG/KG		U	14.00 UG/KG		UJ
CARBON DISULFIDE	6.00 UG/KG		UJ	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ

SAMPLE NUMBER:	067012			067015			067121			067122			067604		
LAB:	IT			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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)
VOLATILES															
CARBON TETRACHLORIDE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
CHLOROBENZENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
CHLOROETHANE	13.00 UG/KG		UJ	14.00 UG/KG		UR				12.00 UG/KG		U	14.00 UG/KG		UJ
CHLOROFORM	6.00 UG/KG		UJ	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
CHLOROMETHANE	13.00 UG/KG		UJ	14.00 UG/KG		UR				12.00 UG/KG		U	14.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
DIBROMOCHLOROMETHANE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
ETHYLBENZENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
METHYLENE CHLORIDE	6.00 UG/KG		U	25.00 UG/KG		UJ				6.00 UG/KG		U	89.00 UG/KG		UJ
STYRENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
TETRACHLOROETHENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
TOLUENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	20.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
TRICHLOROETHENE	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ
VINYL ACETATE	13.00 UG/KG		UR	14.00 UG/KG		UR				12.00 UG/KG		U	14.00 UG/KG		UJ
VINYL CHLORIDE	13.00 UG/KG		UJ	14.00 UG/KG		UR				12.00 UG/KG		U	14.00 UG/KG		UJ
XYLENES, TOTAL	6.00 UG/KG		UR	7.00 UG/KG		UR				6.00 UG/KG		U	7.00 UG/KG		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067609	067618	067627	067632	067633
TASK:	20.03.02	20.03.02	20.03.02	20.03.02	20.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1849	1849	1850	1850	1850
DEPTH:	13.5-15	28.5-30	6-7.5	13.5-15	15-16.5
DATE COLLECTED:	22-FEB-92	22-FEB-92	23-FEB-92	23-FEB-92	23-FEB-92
NORTH COORDINATE:	477806.91	477806.91	478126.2	478126.2	478126.2
EAST COORDINATE:	1378975.19	1378975.19	1378962.62	1378962.62	1378962.62
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TOTAL ORGANIC CARBON	186725.00 MG/KG		-	11500.00 MG/KG		-	173349.00 MG/KG		-	56753.00 MG/KG		-	7840.00 MG/KG		-
RADIONUCLIDES															
URANIUM-238				1.76 PCI/G	.33	-									
URANIUM, TOTAL				6.93 MG/KG	3.21	J									
URANIUM-234				1.73 PCI/G	.33	-									
THORIUM-230				1.69 PCI/G	.43	-									
RADIUM-226				0.95 PCI/G	.14	J									
LEAD-210				0.79 PCI/G	.45	J									
URANIUM-235/236				3.30 PCI/G		UJ									
THORIUM-232				0.91 PCI/G	.289	-									
THORIUM, TOTAL				8.21 MG/KG	2.61	-									
RADIUM-228				0.74 PCI/G	.22	J									
THORIUM-228				1.44 PCI/G	.38	-									
PLUTONIUM-239/240				0.60 PCI/G		U									
PLUTONIUM-238				0.60 PCI/G		U									
STRONTIUM-90				0.77 PCI/G	.46	-									
TECHNETIUM-99				1.00 PCI/G		UJ									
RUTHENIUM-106				1.00 PCI/G		UJ									
CESIUM-137				0.20 PCI/G		UJ									
GROSS ALPHA				11.40 PCI/G	6.5	NV									
GROSS BETA				19.70 PCI/G	6.1	NV									
RADIUM-224				1.02 PCI/G	.16	J									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
1,2-DICHLOROBENZENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
1,3-DICHLOROBENZENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			

SAMPLE NUMBER:	067609			067618			067627			067632			067633		
LAB:	IT						IT			IT					
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-NA			NONE-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)
SEMIVOLATILES															
1,4-DICHLOROBENZENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL	2000.00 UG/KG		U				2000.00 UG/KG		U	1900.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2,4-DICHLOROPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2,4-DIMETHYLPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2,4-DINITROPHENOL	2000.00 UG/KG		UJ				2000.00 UG/KG		U	1900.00 UG/KG		U			
2,4-DINITROTOLUENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2,6-DINITROTOLUENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2-CHLORONAPHTHALENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2-CHLOROPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2-METHYLNAPHTHALENE	79.00 UG/KG		J				89.00 UG/KG		J	66.00 UG/KG		J			
2-METHYLPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
2-NITROANILINE	2000.00 UG/KG		U				2000.00 UG/KG		U	1900.00 UG/KG		U			
2-NITROPHENOL	420.00 UG/KG		UJ				410.00 UG/KG		UJ	400.00 UG/KG		UJ			
3,3'-DICHLOROBENZIDINE	830.00 UG/KG		UJ				810.00 UG/KG		U	800.00 UG/KG		U			
3-NITROANILINE	2000.00 UG/KG		U				2000.00 UG/KG		U	1900.00 UG/KG		U			
4,6-DINITRO-2-METHYLPHENOL	2000.00 UG/KG		UJ				2000.00 UG/KG		U	1900.00 UG/KG		U			
4-BROMOPHENYL PHENYL ETHER	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		UJ			
4-METHYLPHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
4-NITROANILINE	2000.00 UG/KG		U				2000.00 UG/KG		U	1900.00 UG/KG		U			
4-NITROPHENOL	2000.00 UG/KG		U				2000.00 UG/KG		UJ	1900.00 UG/KG		UJ			
ACENAPHTHENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
ACENAPHTHYLENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
ANTHRACENE	420.00 UG/KG		U				49.00 UG/KG		J	400.00 UG/KG		U			
BENZO(A)ANTHRACENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BENZO(A)PYRENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BENZO(B)FLUORANTHENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BENZO(G,H,I)PERYLENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BENZO(K)FLUORANTHENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BENZOIC ACID	2000.00 UG/KG		UJ				2000.00 UG/KG		U	1900.00 UG/KG		U			
BENZYL ALCOHOL	420.00 UG/KG		UJ				410.00 UG/KG		U	400.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
BUTYL BENZYL PHTHALATE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
CHRYSENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
DI-N-BUTYL PHTHALATE	46.00 UG/KG		J				410.00 UG/KG		U	400.00 UG/KG		U			
DI-N-OCTYL PHTHALATE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
DIBENZOFURAN	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
DIETHYL PHTHALATE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
DIMETHYL PHTHALATE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	067609			067618			067627			067632			067633		
LAB:	IT						IT			IT					
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-NA			NONE-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)
SEMIVOLATILES															
FLUORANTHENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
FLUORENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
HEXACHLOROBENZENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
HEXACHLOROBUTADIENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE	420.00 UG/KG		UJ				410.00 UG/KG		U	400.00 UG/KG		U			
HEXACHLOROETHANE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
ISOPHORONE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE	420.00 UG/KG		UJ				410.00 UG/KG		U	400.00 UG/KG		U			
N-NITROSODIPHENYLAMINE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
NAPHTHALENE	53.00 UG/KG		J				53.00 UG/KG		J	400.00 UG/KG		U			
NITROBENZENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
P-CHLOROANILINE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
PENTACHLOROPHENOL	2000.00 UG/KG		U				2000.00 UG/KG		U	1900.00 UG/KG		U			
PHENANTHRENE	420.00 UG/KG		U				49.00 UG/KG		J	41.00 UG/KG		J			
PHENOL	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
PYRENE	420.00 UG/KG		U				410.00 UG/KG		U	400.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE	700.00 UG/KG		R				69.00 UG/KG		R	37.00 UG/KG		J			
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
1,1,2-TRICHLOROETHANE	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
1,1-DICHLOROETHANE	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
1,1-DICHLOROETHENE	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
1,2-DICHLOROETHANE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
1,2-DICHLOROPROPANE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
2-BUTANONE	25.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
2-HEXANONE	12.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
4-METHYL-2-PENTANONE	12.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
ACETONE	12.00 UG/KG		R				2.00 UG/KG		R	12.00 UG/KG		R			
BENZENE	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
BROMODICHLOROMETHANE	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
BROMOFORM	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
BROMOMETHANE	25.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
CARBON DISULFIDE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
CARBON TETRACHLORIDE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
CHLOROBENZENE	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
CHLOROETHANE	25.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
CHLOROFORM	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
CHLOROMETHANE	12.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
DIBROMOCHLOROMETHANE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
ETHYLBENZENE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			

SAMPLE NUMBER:	067609			067618			067627			067632			067633		
LAB:	IT						IT			IT					
SUFFIX/FILTERFLAG:	R-NA			-			NONE-NA			NONE-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)
VOLATILES															
METHYLENE CHLORIDE	12.00 UG/KG		R				19.00 UG/KG		R	11.00 UG/KG		R			
STYRENE	6.00 UG/KG		UR				2.00 UG/KG		J	6.00 UG/KG		UR			
TETRACHLOROETHENE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
TOLUENE	5.00 UG/KG		R				38.00 UG/KG		J	110.00 UG/KG		J			
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
TRICHLOROETHENE	6.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			
VINYL ACETATE	12.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
VINYL CHLORIDE	25.00 UG/KG		UR				12.00 UG/KG		UR	12.00 UG/KG		UR			
XYLENES, TOTAL	12.00 UG/KG		UR				6.00 UG/KG		UR	6.00 UG/KG		UR			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116295	116301	116308	116312	116264
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:		IT	ITAS	IT	IT
WELL OR BORING NUMBER:	1994	1994	1994	1994	1994
DEPTH:	22-23.5	26-27.5	32-34	36-37.5	2-3.5
DATE COLLECTED:	13-MAY-93	13-MAY-93	13-MAY-93	13-MAY-93	12-MAY-93
NORTH COORDINATE:	477742.39	477742.39	477742.39	477742.39	477742.39
EAST COORDINATE:	1379200.09	1379200.09	1379200.09	1379200.09	1379200.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	RE-NA	NONE-NA	NONE-NA	NONE-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															
TOTAL ORGANIC CARBON							8682.00 MG/KG		-						
INORGANICS															
ALUMINUM				11100.00 MG/KG		-				3780.00 MG/KG		-	9010.00 MG/KG		-
ANTIMONY				1.20 MG/KG		UJ				1.10 MG/KG		UJ	1.30 MG/KG		UJ
ARSENIC				6.80 MG/KG		-				3.00 MG/KG		-	12.10 MG/KG		-
BARIUM				77.50 MG/KG		-				25.40 MG/KG		J	228.00 MG/KG		-
BERYLLIUM				0.48 MG/KG		U				0.42 MG/KG		U	1.40 MG/KG		-
CADMIUM				1.20 MG/KG		U				1.10 MG/KG		U	1.30 MG/KG		U
CALCIUM				10200.00 MG/KG		-				109000.00 MG/KG		-	5840.00 MG/KG		-
CHROMIUM				12.40 MG/KG		-				3.60 MG/KG		J	11.20 MG/KG		-
COBALT				7.50 MG/KG		-				3.00 MG/KG		J	5.60 MG/KG		-
COPPER				13.40 MG/KG		-				7.00 MG/KG		-	31.50 MG/KG		-
CYANIDE				0.13 MG/KG		-				0.11 MG/KG		U	0.84 MG/KG		-
IRON				16100.00 MG/KG		-				8240.00 MG/KG		-	3430.00 MG/KG		-
LEAD				11.60 MG/KG		-				3.30 MG/KG		-	14.40 MG/KG		-
MAGNESIUM				4810.00 MG/KG		-				55900.00 MG/KG		-	715.00 MG/KG		-
MANGANESE				597.00 MG/KG		-				334.00 MG/KG		J	69.80 MG/KG		-
MERCURY				0.11 MG/KG		U				0.09 MG/KG		U	0.17 MG/KG		-
MOLYBDENUM				5.00 MG/KG		-				2.90 MG/KG		J	6.90 MG/KG		-
NICKEL				13.80 MG/KG		-				9.90 MG/KG		-	14.80 MG/KG		-
POTASSIUM				1540.00 MG/KG		-				649.00 MG/KG		-	1230.00 MG/KG		-
SELENIUM				0.43 MG/KG		U				0.42 MG/KG		U	11.10 MG/KG		-
SILICON				1040.00 MG/KG		-				474.00 MG/KG		-	496.00 MG/KG		-
SILVER				4.70 MG/KG		-				2.20 MG/KG		J	2.70 MG/KG		U
SODIUM				82.20 MG/KG		-				183.00 MG/KG		-	174.00 MG/KG		-
THALLIUM				0.43 MG/KG		U				0.42 MG/KG		U	0.53 MG/KG		U
VANADIUM				25.30 MG/KG		-				12.40 MG/KG		J	36.70 MG/KG		-
ZINC				50.20 MG/KG		-				26.10 MG/KG		J	20.90 MG/KG		-

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116295			116301			116308			116312			116264		
LAB:				IT						IT			IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-NA			NONE-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															
4,4'-DDD				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
4,4'-DDE				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
4,4'-DDT				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
ALDRIN				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
ALPHA-BHC				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
ALPHA-CHLORDANE				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
AROCLOR-1016				41.00 UG/KG		U				35.00 UG/KG		U	45.00 UG/KG		U
AROCLOR-1221				83.00 UG/KG		U				72.00 UG/KG		U	91.00 UG/KG		U
AROCLOR-1232				41.00 UG/KG		U				35.00 UG/KG		U	45.00 UG/KG		U
AROCLOR-1242				41.00 UG/KG		U				35.00 UG/KG		U	45.00 UG/KG		U
AROCLOR-1248				41.00 UG/KG		U				35.00 UG/KG		U	45.00 UG/KG		U
AROCLOR-1254				41.00 UG/KG		U				35.00 UG/KG		U	45.00 UG/KG		U
AROCLOR-1260				41.00 UG/KG		U				35.00 UG/KG		U	45.00 UG/KG		U
BETA-BHC				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
DELTA-BHC				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
DIELDRIN				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
ENDOSULFAN II				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
ENDOSULFAN SULFATE				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
ENDOSULFAN-I				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
ENDRIN				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
ENDRIN ALDEHYDE				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
ENDRIN KETONE				4.10 UG/KG		U				3.50 UG/KG		U	4.50 UG/KG		UJ
GAMMA-BHC (LINDANE)				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
GAMMA-CHLORDANE				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
HEPTACHLOR				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
HEPTACHLOR EPOXIDE				2.10 UG/KG		U				1.80 UG/KG		U	2.30 UG/KG		UJ
METHOXYCHLOR				21.00 UG/KG		U				18.00 UG/KG		U	23.00 UG/KG		UJ
TOXAPHENE				210.00 UG/KG		U				180.00 UG/KG		U	230.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238				20.70 PCI/G	4.61	-				0.47 PCI/G	.129	J	3.86 PCI/G	.887	-
URANIUM, TOTAL				50.70 MG/KG	8.06	-				3.44 MG/KG	3.2	J	12.80 MG/KG	4.14	-
URANIUM-234				17.90 PCI/G	4.01	-				0.50 PCI/G	.136	-	3.95 PCI/G	.908	-
THORIUM-230				5.19 PCI/G	1.2	-				0.89 PCI/G	.248	-	2.95 PCI/G	.736	-
RADIUM-226				3.15 PCI/G	.299	-				0.56 PCI/G	.129	-	2.96 PCI/G	.307	-
URANIUM-235/236				1.05 PCI/G	.319	-				0.10 PCI/G	.0253	UJ	0.16 PCI/G	.79	J
THORIUM-232				1.14 PCI/G	.306	-				0.26 PCI/G	.102	J	2.65 PCI/G	.669	-
THORIUM, TOTAL				10.40 MG/KG	2.8	-				2.41 MG/KG	.93	-	24.10 MG/KG	6.1	-
RADIUM-228				1.80 PCI/G	.288	-				0.50 PCI/G		UJ	2.97 PCI/G	.381	-
THORIUM-228				1.32 PCI/G	.346	-				0.31 PCI/G	.115	J	3.08 PCI/G	.764	-
NEPTUNIUM-237				0.23 PCI/G	.0976	N				0.03 PCI/G		R	1.98 PCI/G	.68	R
PLUTONIUM-239/240				0.20 PCI/G		UJ				0.20 PCI/G	.0294	UJ	0.20 PCI/G		UJ
PLUTONIUM-238				0.20 PCI/G	.0526	UJ				0.20 PCI/G	.0595	UJ	0.20 PCI/G	.056	UJ
STRONTIUM-90				0.50 PCI/G		UJ				0.50 PCI/G		UJ	0.50 PCI/G		

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116295			116301			116308			116312			116264		
LAB:				IT/RSL						IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-NA			NONE-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)
RADIONUCLIDES															
TECHNETIUM-99				1.00 PCI/G		UJ				1.00 PCI/G		UJ	1.00 PCI/G		UJ
RUTHENIUM-106				1.00 PCI/G		UJ				1.00 PCI/G		UJ	1.00 PCI/G		UJ
CESIUM-137				0.20 PCI/G		UJ				0.20 PCI/G		UJ	0.95 PCI/G		UJ
GROSS ALPHA				71.40 PCI/G	19.8	J				12.80 PCI/G	5.31	J	43.60 PCI/G	14	J
GROSS BETA				66.90 PCI/G	14.9	J				12.90 PCI/G	3.72	J	39.40 PCI/G	9.6	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
1,2-DICHLOROBENZENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
1,3-DICHLOROBENZENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
1,4-DICHLOROBENZENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2,4,5-TRICHLOROPHENOL				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
2,4,6-TRICHLOROPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2,4-DICHLOROPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2,4-DIMETHYLPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2,4-DINITROPHENOL				1000.00 UG/KG		UJ				860.00 UG/KG		UJ	1100.00 UG/KG		UJ
2,4-DINITROTOLUENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2,6-DINITROTOLUENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2-CHLORONAPHTHALENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2-CHLOROPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2-METHYLNAPHTHALENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2-METHYLPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
2-NITROANILINE				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
2-NITROPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
3,3'-DICHLOROBENZIDINE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
3-NITROANILINE				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
4,6-DINITRO-2-METHYLPHENOL				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
4-METHYLPHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
4-NITROANILINE				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
4-NITROPHENOL				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
ACENAPHTHENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
ACENAPHTHYLENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
ANTHRACENE				410.00 UG/KG		U				350.00 UG/KG		U	49.00 UG/KG		J
BENZO(A)ANTHRACENE				410.00 UG/KG		U				350.00 UG/KG		U	130.00 UG/KG		J
BENZO(A)PYRENE				410.00 UG/KG		U				350.00 UG/KG		U	98.00 UG/KG		J
BENZO(B)FLUORANTHENE				410.00 UG/KG		U				350.00 UG/KG		U	140.00 UG/KG		J
BENZO(G,H,I)PERYLENE				410.00 UG/KG		U				350.00 UG/KG		U	59.00 UG/KG		J
BENZO(K)FLUORANTHENE				410.00 UG/KG		U				350.00 UG/KG		U	190.00 UG/KG		J
BIS(2-CHLOROETHOXY)METHANE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHER				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U

SAMPLE NUMBER:	116295			116301			116308			116312			116264		
LAB:				IT-KNOX						IT-KNOX			IT-KNOX		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-ETHYLHEXYL)PHTHALATE				990.00 UG/KG		-				48.00 UG/KG		J	500.00 UG/KG		-
BUTYL BENZYL PHTHALATE				41.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
CARBAZOLE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
CHRYSENE				410.00 UG/KG		U				350.00 UG/KG		U	150.00 UG/KG		J
DI-N-BUTYL PHTHALATE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
DI-N-OCTYL PHTHALATE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
DIBENZOFURAN				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
DIETHYL PHTHALATE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
DIMETHYL PHTHALATE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
FLUORANTHENE				410.00 UG/KG		U				350.00 UG/KG		U	340.00 UG/KG		J
FLUORENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
HEXACHLOROBENZENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
HEXACHLOROBUTADIENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE				410.00 UG/KG		UJ				350.00 UG/KG		UJ	460.00 UG/KG		UJ
HEXACHLOROETHANE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE				410.00 UG/KG		U				350.00 UG/KG		U	63.00 UG/KG		J
ISOPHORONE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
N-NITROSODIPHENYLAMINE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
NAPHTHALENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
NITROBENZENE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
P-CHLOROANILINE				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
PENTACHLOROPHENOL				1000.00 UG/KG		U				860.00 UG/KG		U	1100.00 UG/KG		U
PHENANTHRENE				410.00 UG/KG		U				350.00 UG/KG		U	280.00 UG/KG		J
PHENOL				410.00 UG/KG		U				350.00 UG/KG		U	460.00 UG/KG		U
PYRENE				410.00 UG/KG		U				350.00 UG/KG		U	260.00 UG/KG		J
VOLATILES															
1,1,1-TRICHLOROETHANE				5.00 UG/KG		J				11.00 UG/KG		U	18.00 UG/KG		J
1,1,2,2-TETRACHLOROETHANE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
1,1,2-TRICHLOROETHANE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
1,1-DICHLOROETHANE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		U
1,1-DICHLOROETHENE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
1,2-DICHLOROETHANE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
1,2-DICHLOROPROPANE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
2-BUTANONE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
2-HEXANONE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
4-METHYL-2-PENTANONE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
ACETONE				3.00 UG/KG		J				12.00 UG/KG		-	12.00 UG/KG		J
BENZENE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
BROMODICHLOROMETHANE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
BROMOFORM				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116295			116301			116308			116312			116264		
LAB:				IT						IT			IT		
SUFFIX/FILTERFLAG:	-			RE-NA			-			NONE-NA			NONE-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)
VOLATILES															
BROMOMETHANE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
CARBON DISULFIDE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
CARBON TETRACHLORIDE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
CHLOROBENZENE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
CHLOROETHANE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
CHLOROFORM				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
CHLOROMETHANE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
DIBROMOCHLOROMETHANE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
ETHYLBENZENE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
METHYLENE CHLORIDE				66.00 UG/KG		-				53.00 UG/KG		-	54.00 UG/KG		J
STYRENE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
TETRACHLOROETHENE				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ
TOLUENE				97.00 UG/KG		J				4.00 UG/KG		J	4.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
TRICHLOROETHENE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
VINYL ACETATE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		UJ
VINYL CHLORIDE				12.00 UG/KG		U				11.00 UG/KG		U	14.00 UG/KG		U
XYLENES, TOTAL				12.00 UG/KG		UJ				11.00 UG/KG		U	14.00 UG/KG		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116283	116090	116392	116114	116172
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT-KNOX	IT		IT-KNOX
WELL OR BORING NUMBER:	1994	1995	1995	1995	1995
DEPTH:	14-15.5	8-9	8-9.5	24-25.5	30-31.5
DATE COLLECTED:	12-MAY-93	01-MAY-93	07-JUN-93	01-MAY-93	02-MAY-93
NORTH COORDINATE:	477742.39	477770.18	477770.18	477770.18	477770.18
EAST COORDINATE:	1379200.09	1379054.76	1379054.76	1379054.76	1379054.76
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	DL-NA	-	NONE-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)
INORGANICS															
ALUMINUM	7970.00 MG/KG		-	7030.00 MG/KG		-							12200.00 MG/KG		-
ANTIMONY	5.50 MG/KG		J	1.00 MG/KG		R							0.25 MG/KG		UR
ARSENIC	25.10 MG/KG		-	81.80 MG/KG		J							6.00 MG/KG		J
BARIUM	612.00 MG/KG		-	357.00 MG/KG		-							90.90 MG/KG		-
BERYLLIUM	1.80 MG/KG		-	8.70 MG/KG		-							1.40 MG/KG		-
CADMIUM	1.50 MG/KG		U	0.48 MG/KG		U							1.10 MG/KG		-
CALCIUM	8150.00 MG/KG		-	4260.00 MG/KG		-							9030.00 MG/KG		-
CHROMIUM	10.40 MG/KG		-	7.90 MG/KG		-							16.60 MG/KG		-
COBALT	7.30 MG/KG		-	10.60 MG/KG		-							10.40 MG/KG		-
COPPER	35.70 MG/KG		-	41.20 MG/KG		-							22.60 MG/KG		-
CYANIDE	0.83 MG/KG		-	0.25 MG/KG		-							0.12 MG/KG		U
IRON	4460.00 MG/KG		-	6180.00 MG/KG		-							24800.00 MG/KG		-
LEAD	14.40 MG/KG		-	11.50 MG/KG		J							25.90 MG/KG		J
MAGNESIUM	889.00 MG/KG		-	512.00 MG/KG		J							3360.00 MG/KG		J
MANGANESE	290.00 MG/KG		-	23.10 MG/KG		-							1200.00 MG/KG		-
MERCURY	0.18 MG/KG		-	0.12 MG/KG		U							0.12 MG/KG		U
MOLYBDENUM	2.90 MG/KG		U	8.00 MG/KG		-							1.40 MG/KG		-
NICKEL	16.90 MG/KG		-	18.60 MG/KG		-							25.20 MG/KG		-
POTASSIUM	1030.00 MG/KG		-	1080.00 MG/KG		J							1310.00 MG/KG		J
SELENIUM	5.10 MG/KG		-	4.10 MG/KG		J							0.24 MG/KG		UJ
SILICON	666.00 MG/KG		-	919.00 MG/KG		-							1080.00 MG/KG		-
SILVER	2.90 MG/KG		U	0.48 MG/KG		U							0.49 MG/KG		-
SODIUM	334.00 MG/KG		-	497.00 MG/KG		J							166.00 MG/KG		J
THALLIUM	0.59 MG/KG		U	2.10 MG/KG		-							0.24 MG/KG		U
VANADIUM	32.10 MG/KG		-	53.20 MG/KG		J							26.20 MG/KG		J
ZINC	17.70 MG/KG		-	18.70 MG/KG		-							66.90 MG/KG		-
PESTICIDES															
4,4'-DDD	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U

SAMPLE NUMBER:	116283			116090			116392			116114			116172		
LAB:	IT			IT-KNOX									IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			-			NONE-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															
4,4'-DDE	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
4,4'-DDT	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
ALDRIN	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
ALPHA-BHC	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
ALPHA-CHLORDANE	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
AROCLOR-1016	49.00 UG/KG		U	42.00 UG/KG		U							41.00 UG/KG		UJ
AROCLOR-1221	99.00 UG/KG		U	86.00 UG/KG		U							83.00 UG/KG		UJ
AROCLOR-1232	49.00 UG/KG		U	42.00 UG/KG		U							41.00 UG/KG		UJ
AROCLOR-1242	49.00 UG/KG		U	42.00 UG/KG		U							41.00 UG/KG		UJ
AROCLOR-1248	49.00 UG/KG		U	42.00 UG/KG		U							41.00 UG/KG		UJ
AROCLOR-1254	49.00 UG/KG		U	42.00 UG/KG		U							41.00 UG/KG		UJ
AROCLOR-1260	49.00 UG/KG		U	42.00 UG/KG		U							41.00 UG/KG		UJ
BETA-BHC	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
DELTA-BHC	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
DIELDRIN	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
ENDOSULFAN II	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
ENDOSULFAN SULFATE	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
ENDOSULFAN-I	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
ENDRIN	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
ENDRIN ALDEHYDE	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		UJ
ENDRIN KETONE	4.90 UG/KG		UJ	4.20 UG/KG		U							4.10 UG/KG		U
GAMMA-BHC (LINDANE)	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
GAMMA-CHLORDANE	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
HEPTACHLOR	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
HEPTACHLOR EPOXIDE	2.50 UG/KG		UJ	2.20 UG/KG		U							2.10 UG/KG		U
METHOXYCHLOR	25.00 UG/KG		UJ	22.00 UG/KG		U							21.00 UG/KG		U
TOXAPHENE	250.00 UG/KG		U	220.00 UG/KG		U							210.00 UG/KG		UJ
RADIONUCLIDES															
URANIUM-238	1.54 PCI/G	.367	-	2.60 PCI/G	.59	-							0.69 PCI/G	.18	-
URANIUM, TOTAL	13.30 MG/KG	3.71	-	8.61 MG/KG	3.39	-							3.41 MG/KG	2.69	-
URANIUM-234	1.33 PCI/G	.324	-	2.63 PCI/G	.6	-							0.49 PCI/G	.13	J
THORIUM-230	2.91 PCI/G	.726	-	3.26 PCI/G	.92	NV							1.62 PCI/G	.496	J
RADIUM-226	2.80 PCI/G	.289	-	3.18 PCI/G	.31	-							1.01 PCI/G	.15	-
URANIUM-235/236	0.10 PCI/G	.0307	UJ	0.13 PCI/G	.063	J							0.10 PCI/G	.034	UJ
THORIUM-232	2.54 PCI/G	.643	-	2.44 PCI/G	.72	R							0.61 PCI/G	.243	J
THORIUM, TOTAL	23.10 MG/KG	5.9	-	17.70 MG/KG	4.5	J							5.58 MG/KG	2.22	J
RADIUM-228	2.65 PCI/G	.362	-	2.59 PCI/G	.35	-							0.72 PCI/G	.21	-
THORIUM-228	2.62 PCI/G	.662	-	2.26 PCI/G	.56	J							0.83 PCI/G	.302	J
NEPTUNIUM-237	0.82 PCI/G	.35	NV	2.54 PCI/G	.78	R							0.20 PCI/G	.067	UJ
PLUTONIUM-239/240	0.20 PCI/G	0	UJ	1.56 PCI/G	.58	R							0.20 PCI/G	.074	UJ
PLUTONIUM-238	0.20 PCI/G	0	UJ	2.26 PCI/G	.77	R							0.20 PCI/G	.029	UJ
STRONTIUM-90	0.50 PCI/G		UJ	0.50 PCI/G		UJ							0.50 PCI/G		UJ
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ							1.00 PCI/G		UJ

SAMPLE NUMBER:	116283			116090			116392			116114			116172		
LAB:	IT/RSL			IT/RSL									IT/RSL		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			-			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ							1.00 PCI/G		UJ
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		UJ							0.20 PCI/G		UJ
GROSS ALPHA	36.70 PCI/G	12.3	J	41.98 PCI/G	13.46	-							10.20 PCI/G	6.54	-
GROSS BETA	35.10 PCI/G	8.53	J	40.86 PCI/G	9.84	-							15.83 PCI/G	5.15	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
1,2-DICHLOROBENZENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
1,3-DICHLOROBENZENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
1,4-DICHLOROBENZENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	1200.00 UG/KG		U	1000.00 UG/KG		U							1000.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2,4-DICHLOROPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2,4-DIMETHYLPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2,4-DINITROPHENOL	1200.00 UG/KG		UJ	1000.00 UG/KG		U							1000.00 UG/KG		U
2,4-DINITROTOLUENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2,6-DINITROTOLUENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2-CHLORONAPHTHALENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2-CHLOROPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2-METHYLNAPHTHALENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2-METHYLPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
2-NITROANILINE	1200.00 UG/KG		U	1000.00 UG/KG		U							1000.00 UG/KG		U
2-NITROPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
3,3'-DICHLOROBENZIDINE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
3-NITROANILINE	1200.00 UG/KG		U	1000.00 UG/KG		UJ							1000.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL	1200.00 UG/KG		U	1000.00 UG/KG		U							1000.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
4-METHYLPHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
4-NITROANILINE	1200.00 UG/KG		U	1000.00 UG/KG		U							1000.00 UG/KG		U
4-NITROPHENOL	1200.00 UG/KG		U	1000.00 UG/KG		U							1000.00 UG/KG		U
ACENAPHTHENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
ACENAPHTHYLENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
ANTHRACENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BENZO(A)ANTHRACENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BENZO(A)PYRENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BENZO(B)FLUORANTHENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BENZO(G,H,I)PERYLENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BENZO(K)FLUORANTHENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BENZOIC ACID				2100.00 UG/KG		U							2000.00 UG/KG		U
BENZYL ALCOHOL				430.00 UG/KG		U							410.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U

SAMPLE NUMBER	116283			116090			116392			116114			116172		
LAB:	IT-KNOX			IT-KNOX									IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHE	800.00 UG/KG		U	420.00 UG/KG		UJ							410.00 UG/KG		UJ
BIS(2-ETHYLHEXYL)PHTHALATE	860.00 UG/KG		-	1600.00 UG/KG		-							58.00 UG/KG		J
BUTYL BENZYL PHTHALATE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
CARBAZOLE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
CHRYSENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
DI-N-BUTYL PHTHALATE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
DI-N-OCTYL PHTHALATE	500.00 UG/KG		U	420.00 UG/KG		UJ							410.00 UG/KG		UJ
DIBENZO(A,H)ANTHRACENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
DIBENZOFURAN	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
DIETHYL PHTHALATE	500.00 UG/KG		U	420.00 UG/KG		U							180.00 UG/KG		J
DIMETHYL PHTHALATE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
FLUORANTHENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
FLUORENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
HEXACHLOROBENZENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
HEXACHLOROBUTADIENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE	500.00 UG/KG		UJ	420.00 UG/KG		UJ							410.00 UG/KG		UJ
HEXACHLOROETHANE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
ISOPHORONE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
N-NITROSODIPHENYLAMINE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
NAPHTHALENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
NITROBENZENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
P-CHLOROANILINE	500.00 UG/KG		U	420.00 UG/KG		UJ							410.00 UG/KG		UJ
PENTACHLOROPHENOL	1200.00 UG/KG		U	1000.00 UG/KG		U							1000.00 UG/KG		U
PHENANTHRENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
PHENOL	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
PYRENE	500.00 UG/KG		U	420.00 UG/KG		U							410.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE	35.00 UG/KG		J	1600.00 UG/KG		UJ	920.00 UG/KG		J				1.00 UG/KG		J
1,1,2,2-TETRACHLOROETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
1,1,2-TRICHLOROETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
1,1-DICHLOROETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
1,1-DICHLOROETHENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
1,2-DICHLOROETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
1,2-DICHLOROPROPANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
2-BUTANONE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
2-HEXANONE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
4-METHYL-2-PENTANONE	3.00 UG/KG		J	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
ACETONE	29.00 UG/KG		J	1600.00 UG/KG		UJ	10.00 UG/KG		J				15.00 UG/KG		U
BENZENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
BROMODICHLOROMETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U

SAMPLE NUMBER:	116283			116090			116392			116114			116172		
LAB:	IT			IT-KNOX			IT						IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			-			NONE-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)
VOLATILES															
BROMOFORM	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
BROMOMETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
CARBON DISULFIDE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
CARBON TETRACHLORIDE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
CHLOROBENZENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
CHLOROETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		UJ
CHLOROFORM	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		U
CHLOROMETHANE	52.00 UG/KG		J	1600.00 UG/KG		UJ	13.00 UG/KG		UJ				12.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
DIBROMOCHLOROMETHANE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
ETHYLBENZENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
METHYLENE CHLORIDE	110.00 UG/KG		J	180.00 UG/KG		J	67.00 UG/KG		J				12.00 UG/KG		U
STYRENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
TETRACHLOROETHENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
TOLUENE	22.00 UG/KG		J	1800.00 UG/KG		J	25.00 UG/KG		J				12.00 UG/KG		U
TRANS-1,3-DICHLOROPROPENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U
TRICHLOROETHENE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	2.00 UG/KG		J				12.00 UG/KG		U
VINYL ACETATE	15.00 UG/KG		UJ				13.00 UG/KG		UR						
VINYL CHLORIDE	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		U				12.00 UG/KG		UJ
XYLENES, TOTAL	15.00 UG/KG		UJ	1600.00 UG/KG		UJ	13.00 UG/KG		UR				12.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116080	112077	112081	112082	112084
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT/MWL	IT-KNOX		IT	IT-KNOX
WELL OR BORING NUMBER:	1995	1996	1996	1996	1996
DEPTH:	2-3.5	8-9.5	12-13	13-13.5	14-15
DATE COLLECTED:	01-MAY-93	29-APR-93	29-APR-93	29-APR-93	29-APR-93
NORTH COORDINATE:	477770.18	477819.85	477819.85	477819.85	477819.85
EAST COORDINATE:	1379054.76	1379114.9	1379114.9	1379114.9	1379114.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	RE-NA	DL-NA	-	NONE-NA	DL-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)
INORGANICS															
ALUMINUM	8470.00 MG/KG		-	4980.00 MG/KG		-							7130.00 MG/KG		-
ANTIMONY	0.33 MG/KG		R	0.82 MG/KG		UJ							0.94 MG/KG		UJ
ARSENIC	9.70 MG/KG		J	14.50 MG/KG		J							26.00 MG/KG		J
BARIUM	95.10 MG/KG		-	639.00 MG/KG		J							727.00 MG/KG		J
BERYLLIUM	1.60 MG/KG		-	3.30 MG/KG		-							4.20 MG/KG		-
CADMIUM	0.47 MG/KG		-	0.71 MG/KG		-							0.68 MG/KG		-
CALCIUM	97100.00 MG/KG		-	3320.00 MG/KG		J							16900.00 MG/KG		J
CHROMIUM	12.10 MG/KG		-	7.30 MG/KG		-							9.50 MG/KG		-
COBALT	6.10 MG/KG		-	8.90 MG/KG		-							11.30 MG/KG		-
COPPER	16.80 MG/KG		-	39.60 MG/KG		-							34.30 MG/KG		-
CYANIDE	0.12 MG/KG		U	0.49 MG/KG		J							0.71 MG/KG		J
IRON	16100.00 MG/KG		-	7840.00 MG/KG		J							12100.00 MG/KG		J
LEAD	14.00 MG/KG		J	9.10 MG/KG		J							11.10 MG/KG		J
MAGNESIUM	16000.00 MG/KG		J	597.00 MG/KG		-							3020.00 MG/KG		-
MANGANESE	358.00 MG/KG		-	89.20 MG/KG		J							201.00 MG/KG		J
MERCURY	0.11 MG/KG		U	0.13 MG/KG		U							0.13 MG/KG		U
MOLYBDENUM	0.72 MG/KG		-	4.70 MG/KG		U							3.90 MG/KG		U
NICKEL	14.80 MG/KG		-	15.90 MG/KG		-							20.00 MG/KG		-
POTASSIUM	872.00 MG/KG		J	1070.00 MG/KG		J							1220.00 MG/KG		J
SELENIUM	0.23 MG/KG		UJ	2.30 MG/KG		J							1.90 MG/KG		J
SILICON	778.00 MG/KG		-	617.00 MG/KG		J							919.00 MG/KG		J
SILVER	0.47 MG/KG		U	0.50 MG/KG		U							0.54 MG/KG		U
SODIUM	149.00 MG/KG		J	297.00 MG/KG		-							382.00 MG/KG		-
THALLIUM	0.23 MG/KG		U	0.57 MG/KG		-							0.73 MG/KG		-
VANADIUM	26.50 MG/KG		J	27.40 MG/KG		J							29.60 MG/KG		J
ZINC	45.60 MG/KG		-	12.90 MG/KG		UJ							20.70 MG/KG		J
PESTICIDES															
4,4'-DDD	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U

SAMPLE NUMBER:	116080			112077			112081			112082			112084		
LAB:	IT-KNOX			IT-KNOX									IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			-			NONE-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															
4,4'-DDE	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U
4,4'-DDT	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U
ALDRIN	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
ALPHA-BHC	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
ALPHA-CHLORDANE	3.30 UG/KG		J	2.20 UG/KG		U							2.60 UG/KG		U
AROCLOR-1016	37.00 UG/KG		UJ	43.00 UG/KG		U							50.00 UG/KG		U
AROCLOR-1221	75.00 UG/KG		UJ	86.00 UG/KG		U							100.00 UG/KG		U
AROCLOR-1232	37.00 UG/KG		UJ	43.00 UG/KG		U							50.00 UG/KG		U
AROCLOR-1242	37.00 UG/KG		UJ	43.00 UG/KG		U							50.00 UG/KG		U
AROCLOR-1248	37.00 UG/KG		UJ	43.00 UG/KG		U							50.00 UG/KG		U
AROCLOR-1254	120.00 UG/KG		J	43.00 UG/KG		U							50.00 UG/KG		U
AROCLOR-1260	37.00 UG/KG		UJ	43.00 UG/KG		U							50.00 UG/KG		U
BETA-BHC	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
DELTA-BHC	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
DIELDRIN	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U
ENDOSULFAN II	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U
ENDOSULFAN SULFATE	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U
ENDOSULFAN-I	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
ENDRIN	3.70 UG/KG		UJ	4.30 UG/KG		UJ							5.00 UG/KG		U
ENDRIN ALDEHYDE	3.70 UG/KG		UJ	4.30 UG/KG		U							5.00 UG/KG		U
ENDRIN KETONE	3.70 UG/KG		UJ	4.30 UG/KG		U							5.00 UG/KG		U
GAMMA-BHC (LINDANE)	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
GAMMA-CHLORDANE	1.90 UG/KG		UJ	2.20 UG/KG		U							2.60 UG/KG		U
HEPTACHLOR	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
HEPTACHLOR EPOXIDE	1.90 UG/KG		UJ	2.20 UG/KG		UJ							2.60 UG/KG		U
METHOXYCHLOR	19.00 UG/KG		UJ	22.00 UG/KG		UJ							26.00 UG/KG		UJ
TOXAPHENE	190.00 UG/KG		UJ	220.00 UG/KG		U							260.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238	62.70 PCI/G	14.1	-	9.90 PCI/G	2.2	J				2.84 PCI/G	.66	J			
URANIUM, TOTAL	187.00 MG/KG	21	-	38.50 MG/KG	7	-				19.70 MG/KG	4.4	J			
URANIUM-234	61.90 PCI/G	13.9	-	9.48 PCI/G	2.1	J				2.65 PCI/G	.61	J			
THORIUM-230	5.17 PCI/G	1.18	-	8.80 PCI/G	.25	-				4.70 PCI/G	1.22	-			
RADIUM-226	1.71 PCI/G	.23	-	2.78 PCI/G	.31	J				2.54 PCI/G	.28	J			
URANIUM-235/236	2.91 PCI/G	.75	-	0.73 PCI/G	.22	J				0.16 PCI/G	.072	J			
THORIUM-232	2.51 PCI/G	.61	-	1.84 PCI/G	.774	-				2.60 PCI/G	.753	-			
THORIUM, TOTAL	22.90 MG/KG	5.6	-	16.70 MG/KG	7.1	-				23.70 MG/KG	6.9	-			
RADIUM-228	2.72 PCI/G	.39	-	2.36 PCI/G	.37	-				1.96 PCI/G	.32	-			
THORIUM-228	2.61 PCI/G	.64	-	2.24 PCI/G	.89	-				2.65 PCI/G	.76	-			
NEPTUNIUM-237	0.50 PCI/G	.166	N	0.48 PCI/G	.218	N				0.27 PCI/G	.156	N			
PLUTONIUM-239/240	0.20 PCI/G	.06	UJ	0.20 PCI/G	.1	UJ				0.20 PCI/G	.114	UJ			
PLUTONIUM-238	0.22 PCI/G	.093	J	0.20 PCI/G	.13	UJ				0.31 PCI/G	.169	J			
STRONTIUM-90	0.50 PCI/G	.3	UJ	0.50 PCI/G		UJ				0.50 PCI/G		UJ			
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ				1.00 PCI/G		UJ			

SAMPLE NUMBER:	116080			112077			112081			112082			112084		
LAB:	IT/RSL			IT						IT					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ				1.00 PCI/G		UJ			
CESIUM-137	0.20 PCI/G	.076	UJ	0.20 PCI/G		UJ				0.20 PCI/G		UJ			
GROSS ALPHA	159.91 PCI/G	37.43	-	46.60 PCI/G	14.2	J				27.20 PCI/G	10.6	J			
GROSS BETA	118.04 PCI/G	24.91	-	31.00 PCI/G	7.8	J				30.70 PCI/G	8	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	370.00 UG/KG		U	430.00 UG/KG		UJ							500.00 UG/KG		UJ
1,2-DICHLOROBENZENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
1,3-DICHLOROBENZENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
1,4-DICHLOROBENZENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	890.00 UG/KG		U	1000.00 UG/KG		U							1200.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2,4-DICHLOROPHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2,4-DIMETHYLPHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2,4-DINITROPHENOL	890.00 UG/KG		U	1000.00 UG/KG		UJ							1200.00 UG/KG		UJ
2,4-DINITROTOLUENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2,6-DINITROTOLUENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2-CHLORONAPHTHALENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2-CHLOROPHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
2-METHYLNAPHTHALENE	370.00 UG/KG		U	74.00 UG/KG		J							500.00 UG/KG		U
2-METHYLPHENOL	370.00 UG/KG		U	430.00 UG/KG		UJ							500.00 UG/KG		UJ
2-NITROANILINE	890.00 UG/KG		U	1000.00 UG/KG		U							1200.00 UG/KG		U
2-NITROPHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
3,3'-DICHLOROBENZIDINE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
3-NITROANILINE	890.00 UG/KG		U	1000.00 UG/KG		UJ							1200.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL	890.00 UG/KG		U	1000.00 UG/KG		U							1200.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
4-METHYLPHENOL	370.00 UG/KG		U	430.00 UG/KG		UJ							500.00 UG/KG		UJ
4-NITROANILINE	890.00 UG/KG		U	1000.00 UG/KG		UR							1200.00 UG/KG		UR
4-NITROPHENOL	890.00 UG/KG		U	1000.00 UG/KG		U							1200.00 UG/KG		U
ACENAPHTHENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
ACENAPHTHYLENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
ANTHRACENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
BENZO(A)ANTHRACENE	39.00 UG/KG		J	430.00 UG/KG		U							500.00 UG/KG		U
BENZO(A)PYRENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
BENZO(B)FLUORANTHENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
BENZO(G,H,I)PERYLENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
BENZO(K)FLUORANTHENE	43.00 UG/KG		J	430.00 UG/KG		UJ							500.00 UG/KG		UJ
BENZOIC ACID	1800.00 UG/KG		U	2100.00 UG/KG		U							2400.00 UG/KG		U
BENZYL ALCOHOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U

SAMPLE NUMBER:	116080			112077			112081			112082			112084		
LAB:	IT-KNOX			IT-KNOX									IT-KNOX		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHE	370.00 UG/KG		U	430.00 UG/KG		UJ							500.00 UG/KG		UJ
BIS(2-ETHYLHEXYL)PHTHALATE	2600.00 UG/KG		-	260.00 UG/KG		J							2800.00 UG/KG		-
BUTYL BENZYL PHTHALATE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
CARBAZOLE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
CHRYSENE	48.00 UG/KG		J	430.00 UG/KG		U							500.00 UG/KG		U
DI-N-BUTYL PHTHALATE	370.00 UG/KG		U	110.00 UG/KG		J							500.00 UG/KG		U
DI-N-OCTYL PHTHALATE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
DIBENZOFURAN	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
DIETHYL PHTHALATE	370.00 UG/KG		U	430.00 UG/KG		UJ							500.00 UG/KG		UJ
DIMETHYL PHTHALATE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
FLUORANTHENE	99.00 UG/KG		J	430.00 UG/KG		U							500.00 UG/KG		U
FLUORENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
HEXACHLOROBENZENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
HEXACHLOROBUTADIENE	370.00 UG/KG		U	430.00 UG/KG		UR							500.00 UG/KG		UR
HEXACHLOROCYCLOPENTADIENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
HEXACHLOROETHANE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
ISOPHORONE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
N-NITROSODIPHENYLAMINE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
NAPHTHALENE	370.00 UG/KG		U	81.00 UG/KG		J							500.00 UG/KG		U
NITROBENZENE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
P-CHLOROANILINE	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
PENTACHLOROPHENOL	890.00 UG/KG		U	1000.00 UG/KG		U							1200.00 UG/KG		U
PHENANTHRENE	56.00 UG/KG		J	60.00 UG/KG		J							500.00 UG/KG		U
PHENOL	370.00 UG/KG		U	430.00 UG/KG		U							500.00 UG/KG		U
PYRENE	96.00 UG/KG		J	430.00 UG/KG		U							500.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE	32.00 UG/KG		J	67.00 UG/KG		U							64.00 UG/KG		UJ
1,1,2,2-TETRACHLOROETHANE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
1,1,2-TRICHLOROETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
1,1-DICHLOROETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
1,1-DICHLOROETHENE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
1,2-DICHLOROETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
1,2-DICHLOROETHENE (TOTAL)	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
1,2-DICHLOROPROPANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
2-BUTANONE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
2-HEXANONE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
4-METHYL-2-PENTANONE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
ACETONE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
BENZENE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
BROMODICHLOROMETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ

SAMPLE NUMBER:	116080			112077			112081			112082			112084		
LAB:	IT/MWL			IT-KNOX									IT-KNOX		
SUFFIX/FILTERFLAG:	RE-NA			DL-NA			-			-			DL-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)
VOLATILES															
BROMOFORM	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
BROMOMETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
CARBON DISULFIDE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
CARBON TETRACHLORIDE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
CHLOROBENZENE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
CHLOROETHANE	11.00 UG/KG		UJ	67.00 UG/KG		UJ							64.00 UG/KG		UJ
CHLOROFORM	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
CHLOROMETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
DIBROMOCHLOROMETHANE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
ETHYLBENZENE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
METHYLENE CHLORIDE	13.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
STYRENE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
TETRACHLOROETHENE	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ
TOLUENE	14.00 UG/KG		J	180.00 UG/KG		-							1000.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
TRICHLOROETHENE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
VINYL ACETATE	11.00 UG/KG		UJ												
VINYL CHLORIDE	11.00 UG/KG		UJ	67.00 UG/KG		U							64.00 UG/KG		UJ
XYLENES, TOTAL	11.00 UG/KG		UR	67.00 UG/KG		U							64.00 UG/KG		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	112087	116070	112073	116177	116192
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT-KNOX	IT	IT/RSL	IT	IT
WELL OR BORING NUMBER:	1996	1996	1996	1997	1997
DEPTH:	16-16.5	20-21.5	2-4	0-1.5	10-11.5
DATE COLLECTED:	29-APR-93	29-APR-93	29-APR-93	05-MAY-93	05-MAY-93
NORTH COORDINATE:	477819.85	477819.85	477819.85	477871.13	477871.13
EAST COORDINATE:	1379114.9	1379114.9	1379114.9	1378960.5	1378960.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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)
INORGANICS															
ALUMINUM				2260.00 MG/KG		-				12300.00 MG/KG		-	8360.00 MG/KG		-
ANTIMONY				0.21 MG/KG		UR				0.86 MG/KG		UJ	1.00 MG/KG		UJ
ARSENIC				4.80 MG/KG		J				4.70 MG/KG		-	65.70 MG/KG		-
BARIUM				8.00 MG/KG		-				79.00 MG/KG		J	1080.00 MG/KG		J
BERYLLIUM				0.93 MG/KG		-				0.89 MG/KG		-	5.40 MG/KG		-
CADMIUM				0.41 MG/KG		U				0.67 MG/KG		-	0.52 MG/KG		U
CALCIUM				121000.00 MG/KG		-				6620.00 MG/KG		J	5870.00 MG/KG		J
CHROMIUM				4.60 MG/KG		-				17.00 MG/KG		-	10.40 MG/KG		-
COBALT				4.20 MG/KG		-				7.10 MG/KG		-	10.30 MG/KG		-
COPPER				9.30 MG/KG		U				21.40 MG/KG		J	38.60 MG/KG		J
CYANIDE				0.11 MG/KG		U				0.12 MG/KG		U	0.35 MG/KG		-
IRON				6640.00 MG/KG		-				20400.00 MG/KG		J	8090.00 MG/KG		J
LEAD				5.40 MG/KG		J				16.50 MG/KG		J	11.10 MG/KG		J
MAGNESIUM				22300.00 MG/KG		J				4170.00 MG/KG		J	937.00 MG/KG		J
MANGANESE				324.00 MG/KG		-				175.00 MG/KG		J	57.30 MG/KG		J
MERCURY				0.10 MG/KG		U				0.12 MG/KG		U	1.30 MG/KG		-
MOLYBDENUM				1.40 MG/KG		-				1.10 MG/KG		U	3.50 MG/KG		U
NICKEL				8.20 MG/KG		-				18.50 MG/KG		-	17.80 MG/KG		-
POTASSIUM				474.00 MG/KG		J				934.00 MG/KG		J	1500.00 MG/KG		J
SELENIUM				0.20 MG/KG		UJ				0.24 MG/KG		U	2.90 MG/KG		-
SILICON				525.00 MG/KG		-				1030.00 MG/KG		-	568.00 MG/KG		-
SILVER				0.41 MG/KG		U				0.49 MG/KG		U	0.52 MG/KG		U
SODIUM				187.00 MG/KG		J				73.40 MG/KG		-	496.00 MG/KG		-
THALLIUM				0.20 MG/KG		U				0.24 MG/KG		U	0.88 MG/KG		-
VANADIUM				11.30 MG/KG		J				26.90 MG/KG		J	31.70 MG/KG		J
ZINC				23.60 MG/KG		-				63.70 MG/KG		J	11.90 MG/KG		UJ
PESTICIDES															
4,4'-DDD	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	112087			116070			112073			116177			116192		
LAB:	IT-KNOX			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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															
4,4'-DDE	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
4,4'-DDT	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
ALDRIN	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
ALPHA-BHC	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
ALPHA-CHLORDANE	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
AROCLOR-1016	44.00 UG/KG		UJ	42.00 UG/KG		UJ				40.00 UG/KG		UJ	44.00 UG/KG		UJ
AROCLOR-1221	90.00 UG/KG		UJ	85.00 UG/KG		UJ				81.00 UG/KG		UJ	89.00 UG/KG		UJ
AROCLOR-1232	44.00 UG/KG		UJ	42.00 UG/KG		UJ				40.00 UG/KG		UJ	44.00 UG/KG		UJ
AROCLOR-1242	44.00 UG/KG		UJ	42.00 UG/KG		UJ				40.00 UG/KG		UJ	44.00 UG/KG		UJ
AROCLOR-1248	44.00 UG/KG		UJ	42.00 UG/KG		UJ				40.00 UG/KG		UJ	44.00 UG/KG		UJ
AROCLOR-1254	44.00 UG/KG		UJ	42.00 UG/KG		UJ				40.00 UG/KG		UJ	44.00 UG/KG		UJ
AROCLOR-1260	44.00 UG/KG		UJ	42.00 UG/KG		UJ				40.00 UG/KG		UJ	44.00 UG/KG		UJ
BETA-BHC	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
DELTA-BHC	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
DIELDRIN	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
ENDOSULFAN II	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
ENDOSULFAN SULFATE	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
ENDOSULFAN-I	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
ENDRIN	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
ENDRIN ALDEHYDE	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
ENDRIN KETONE	4.40 UG/KG		U	4.20 UG/KG		U				4.00 UG/KG		UJ	4.40 UG/KG		UJ
GAMMA-BHC (LINDANE)	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
GAMMA-CHLORDANE	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
HEPTACHLOR	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
HEPTACHLOR EPOXIDE	2.30 UG/KG		U	2.10 UG/KG		U				2.10 UG/KG		UJ	2.30 UG/KG		UJ
METHOXYCHLOR	23.00 UG/KG		UJ	21.00 UG/KG		U				21.00 UG/KG		UJ	23.00 UG/KG		UJ
TOXAPHENE	230.00 UG/KG		UJ	210.00 UG/KG		UJ				210.00 UG/KG		UJ	230.00 UG/KG		UJ
RADIONUCLIDES															
URANIUM-238				0.86 PCI/G	.22	-	14.56 PCI/G	3.14	-	23.70 PCI/G	5	J	4.19 PCI/G	1.02	J
URANIUM, TOTAL				3.62 MG/KG	2.94	J	48.30 MG/KG	6.81	-	69.80 MG/KG	10.7	J	10.90 MG/KG	4.47	J
URANIUM-234				0.71 PCI/G	.19	-	14.55 PCI/G	3.14	-	23.40 PCI/G	5	J	3.91 PCI/G	.96	J
THORIUM-230				2.03 PCI/G	.49	-	4.07 PCI/G	1	-	1.89 PCI/G	.5	J	3.05 PCI/G	.82	J
RADIUM-226				0.87 PCI/G	.14	-	2.86 PCI/G	.3	-	1.30 PCI/G	.17	-	2.85 PCI/G	.31	-
URANIUM-235/236				0.10 PCI/G	.032	UJ	0.74 PCI/G	.21	-	1.28 PCI/G	.32	J	0.21 PCI/G	.12	J
THORIUM-232				0.29 PCI/G	.11	J	1.90 PCI/G	.51	-	1.00 PCI/G	.3	J	2.34 PCI/G	.65	J
THORIUM, TOTAL				2.61 MG/KG	1	-	17.30 MG/KG	4.7	-	9.20 MG/KG	2.76	J	21.30 MG/KG	5.9	J
RADIUM-228				0.53 PCI/G	.19	-	2.34 PCI/G	.37	-	1.29 PCI/G	.25	-	2.22 PCI/G	.35	-
THORIUM-228				0.41 PCI/G	.14	J	2.09 PCI/G	.56	-	1.16 PCI/G	.34	J	2.36 PCI/G	.66	J
NEPTUNIUM-237				0.20 PCI/G	.06	UJ	0.49 PCI/G	.14	N	0.30 PCI/G	.1	N	0.20 PCI/G	.07	UJ
PLUTONIUM-239/240				0.20 PCI/G		UJ	0.20 PCI/G	.055	UJ	0.20 PCI/G	.04	UJ	0.20 PCI/G	.03	UJ
PLUTONIUM-238				0.20 PCI/G		UJ	0.26 PCI/G	.087	J	0.20 PCI/G	.03	UJ	0.27 PCI/G	.09	J
STRONTIUM-90				0.50 PCI/G		UJ	0.54 PCI/G		UJ	0.50 PCI/G		UJ	0.50 PCI/G		UJ
TECHNETIUM-99				1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ

SAMPLE NUMBER:	112087			116070			112073			116177			116192		
LAB:				IT/RSL			IT/RSL			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106				1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.01 PCI/G		UJ
CESIUM-137				0.20 PCI/G		UJ	0.20 PCI/G	.074	UJ	0.55 PCI/G	.12	J	0.20 PCI/G		UJ
GROSS ALPHA				17.78 PCI/G	8	-	58.63 PCI/G	17.26	-	38.70 PCI/G	12.7	J	42.10 PCI/G	13.6	J
GROSS BETA				12.41 PCI/G	4.91	-	56.47 PCI/G	12.87	-	54.40 PCI/G	12.5	J	30.80 PCI/G	8.1	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
1,2-DICHLOROBENZENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
1,3-DICHLOROBENZENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
1,4-DICHLOROBENZENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	1100.00 UG/KG		U	1000.00 UG/KG		UJ				970.00 UG/KG		U	1100.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2,4-DICHLOROPHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2,4-DIMETHYLPHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2,4-DINITROPHENOL	1100.00 UG/KG		UJ	1000.00 UG/KG		UJ				970.00 UG/KG		UJ	1100.00 UG/KG		UJ
2,4-DINITROTOLUENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2,6-DINITROTOLUENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2-CHLORONAPHTHALENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2-CHLOROPHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2-METHYLNAPHTHALENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2-METHYLPHENOL	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
2-NITROANILINE	1100.00 UG/KG		U	1000.00 UG/KG		UJ				970.00 UG/KG		U	1100.00 UG/KG		U
2-NITROPHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
3,3'-DICHLOROBENZIDINE	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		UJ	440.00 UG/KG		UJ
3-NITROANILINE	1100.00 UG/KG		UJ	1000.00 UG/KG		UJ				970.00 UG/KG		UJ	1100.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL	1100.00 UG/KG		U	1000.00 UG/KG		UJ				970.00 UG/KG		U	1100.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
4-METHYLPHENOL	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
4-NITROANILINE	1100.00 UG/KG		UR	1000.00 UG/KG		UJ				970.00 UG/KG		UJ	1100.00 UG/KG		UJ
4-NITROPHENOL	1100.00 UG/KG		U	1000.00 UG/KG		UJ				970.00 UG/KG		U	1100.00 UG/KG		U
ACENAPHTHENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
ACENAPHTHYLENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
ANTHRACENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BENZO(A)ANTHRACENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BENZO(A)PYRENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BENZO(B)FLUORANTHENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BENZO(G,H,I)PERYLENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BENZO(K)FLUORANTHENE	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BENZOIC ACID	2200.00 UG/KG		U	2000.00 UG/KG		UJ									
BENZYL ALCOHOL	450.00 UG/KG		U	420.00 UG/KG		UJ									
BIS(2-CHLOROETHOXY)METHANE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		
BIS(2-CHLOROETHYL)ETHER	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	112087			116070			112073			116177			116192		
LAB:	IT-KNOX			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER	50.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE	450.00 UG/KG		U	130.00 UG/KG		J				400.00 UG/KG		U	440.00 UG/KG		U
BUTYL BENZYL PHTHALATE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
CARBAZOLE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
CHRYSENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
DI-N-BUTYL PHTHALATE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
DI-N-OCTYL PHTHALATE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
DIBENZOFURAN	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
DIETHYL PHTHALATE	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	52.00 UG/KG		J
DIMETHYL PHTHALATE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
FLUORANTHENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
FLUORENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
HEXACHLOROBENZENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
HEXACHLOROBUTADIENE	450.00 UG/KG		UR	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
HEXACHLOROETHANE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
ISOPHORONE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
N-NITROSODIPHENYLAMINE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
NAPHTHALENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
NITROBENZENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
P-CHLOROANILINE	450.00 UG/KG		UJ	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
PENTACHLOROPHENOL	1100.00 UG/KG		U	1000.00 UG/KG		UJ				970.00 UG/KG		U	1100.00 UG/KG		U
PHENANTHRENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
PHENOL	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
PYRENE	450.00 UG/KG		U	420.00 UG/KG		UJ				400.00 UG/KG		U	440.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,1,2-TRICHLOROETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,1-DICHLOROETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,1-DICHLOROETHENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,2-DICHLOROETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
1,2-DICHLOROPROPANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
2-BUTANONE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
2-HEXANONE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
4-METHYL-2-PENTANONE				6.00 UG/KG		J				12.00 UG/KG		U	83.00 UG/KG		U
ACETONE				13.00 UG/KG		UJ				12.00 UG/KG		UJ	83.00 UG/KG		UJ
BENZENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
BROMODICHLOROMETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U

SAMPLE NUMBER:	112087			116070			112073			116177			116192		
LAB:				IT						IT			IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-NA			DL-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)
VOLATILES															
BROMOFORM				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
BROMOMETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
CARBON DISULFIDE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
CARBON TETRACHLORIDE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
CHLOROBENZENE				13.00 UG/KG		UJ				12.00 UG/KG		U	14.00 UG/KG		J
CHLOROETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
CHLOROFORM				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
CHLOROMETHANE				13.00 UG/KG		UJ				12.00 UG/KG		UJ	83.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
DIBROMOCHLOROMETHANE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
ETHYLBENZENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
METHYLENE CHLORIDE				13.00 UG/KG		U				13.00 UG/KG		U	83.00 UG/KG		U
STYRENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
TETRACHLOROETHENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
TOLUENE				78.00 UG/KG		J				14.00 UG/KG		-	370.00 UG/KG		U
TRANS-1,3-DICHLOROPROPENE				13.00 UG/KG		UJ				12.00 UG/KG		UJ	83.00 UG/KG		UJ
TRICHLOROETHENE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
VINYL ACETATE										12.00 UG/KG		U	83.00 UG/KG		U
VINYL CHLORIDE				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U
XYLENES, TOTAL				13.00 UG/KG		UJ				12.00 UG/KG		U	83.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116216	116243	116252	116256	116257
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:		IT	IT	ITAS	IT
WELL OR BORING NUMBER:	1997	1997	1997	1997	1997
DEPTH:	26-27.5	28.5-30	34-35.5	36-38	38-39
DATE COLLECTED:	05-MAY-93	06-MAY-93	07-MAY-93	07-MAY-93	07-MAY-93
NORTH COORDINATE:	477871.13	477871.13	477871.13	477871.13	477871.13
EAST COORDINATE:	1378960.5	1378960.5	1378960.5	1378960.5	1378960.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TOTAL ORGANIC CARBON										14508.00 MG/KG		-			
INORGANICS															
ALUMINUM				6160.00 MG/KG		-	9620.00 MG/KG		-				3530.00 MG/KG		-
ANTIMONY				0.24 MG/KG		UJ	0.41 MG/KG		UJ				0.33 MG/KG		UJ
ARSENIC				4.20 MG/KG		-	5.60 MG/KG		-				5.10 MG/KG		-
BARIUM				56.20 MG/KG		J	64.00 MG/KG		J				21.60 MG/KG		J
BERYLLIUM				0.31 MG/KG		-	0.84 MG/KG		-				0.40 MG/KG		-
CADMIUM				0.51 MG/KG		-	1.20 MG/KG		-				0.44 MG/KG		U
CALCIUM				4700.00 MG/KG		J	95900.00 MG/KG		J				99800.00 MG/KG		J
CHROMIUM				8.00 MG/KG		-	11.40 MG/KG		-				8.20 MG/KG		-
COBALT				9.30 MG/KG		-	6.40 MG/KG		-				3.30 MG/KG		-
COPPER				11.30 MG/KG		J	14.70 MG/KG		J				11.30 MG/KG		J
CYANIDE				0.12 MG/KG		U	0.25 MG/KG		J				0.44 MG/KG		UR
IRON				11900.00 MG/KG		J	17600.00 MG/KG		J				10100.00 MG/KG		J
LEAD				13.80 MG/KG		J	8.90 MG/KG		J				5.40 MG/KG		J
MAGNESIUM				2820.00 MG/KG		J	26800.00 MG/KG		J				48100.00 MG/KG		J
MANGANESE				538.00 MG/KG		J	994.00 MG/KG		J				374.00 MG/KG		J
MERCURY				0.12 MG/KG		U	0.09 MG/KG		UJ				0.10 MG/KG		UJ
MOLYBDENUM				1.40 MG/KG		U	1.40 MG/KG		U				2.30 MG/KG		U
NICKEL				9.40 MG/KG		-	16.80 MG/KG		-				10.60 MG/KG		-
POTASSIUM				678.00 MG/KG		J	1340.00 MG/KG		J				509.00 MG/KG		J
SELENIUM				0.24 MG/KG		U	0.23 MG/KG		UJ				0.22 MG/KG		UJ
SILICON				982.00 MG/KG		-	1000.00 MG/KG		-				637.00 MG/KG		J
SILVER				0.48 MG/KG		U	0.46 MG/KG		U				0.44 MG/KG		U
SODIUM				91.30 MG/KG		-	233.00 MG/KG		-				175.00 MG/KG		-
THALLIUM				0.24 MG/KG		U	0.23 MG/KG		U				0.22 MG/KG		U
VANADIUM				14.80 MG/KG		J	24.70 MG/KG		J				14.00 MG/KG		J
ZINC				30.40 MG/KG		J	45.40 MG/KG		J				28.10 MG/KG		J

SAMPLE NUMBER:	116216			116243			116252			116256			116257		
LAB:				IT			IT						IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			-			NONE-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															
4,4'-DDD				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
4,4'-DDE				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		UJ
4,4'-DDT				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
ALDRIN				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
ALPHA-BHC				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
ALPHA-CHLORDANE				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
AROCLOR-1016				40.00 UG/KG		UJ	38.00 UG/KG		UJ				35.00 UG/KG		UJ
AROCLOR-1221				80.00 UG/KG		UJ	78.00 UG/KG		UJ				70.00 UG/KG		UJ
AROCLOR-1232				40.00 UG/KG		UJ	38.00 UG/KG		UJ				35.00 UG/KG		UJ
AROCLOR-1242				40.00 UG/KG		UJ	38.00 UG/KG		UJ				35.00 UG/KG		UJ
AROCLOR-1248				40.00 UG/KG		UJ	38.00 UG/KG		UJ				35.00 UG/KG		UJ
AROCLOR-1254				40.00 UG/KG		UJ	38.00 UG/KG		UJ				35.00 UG/KG		UJ
AROCLOR-1260				40.00 UG/KG		UJ	38.00 UG/KG		UJ				35.00 UG/KG		UJ
BETA-BHC				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
DELTA-BHC				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		UJ
DIELDRIN				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
ENDOSULFAN II				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
ENDOSULFAN SULFATE				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
ENDOSULFAN-I				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
ENDRIN				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
ENDRIN ALDEHYDE				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
ENDRIN KETONE				4.00 UG/KG		UJ	3.80 UG/KG		UJ				3.50 UG/KG		U
GAMMA-BHC (LINDANE)				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
GAMMA-CHLORDANE				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
HEPTACHLOR				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
HEPTACHLOR EPOXIDE				2.00 UG/KG		UJ	2.00 UG/KG		UJ				1.80 UG/KG		U
METHOXYCHLOR				20.00 UG/KG		UJ	20.00 UG/KG		UJ				18.00 UG/KG		U
TOXAPHENE				200.00 UG/KG		UJ	200.00 UG/KG		UJ				180.00 UG/KG		UJ
RADIONUCLIDES															
URANIUM-238				0.98 PCI/G	.24	J	0.91 PCI/G	.22	-				1.44 PCI/G	.34	-
URANIUM, TOTAL				5.62 MG/KG	3.63	J	2.62 MG/KG	2.8	J				5.86 MG/KG	2.99	-
URANIUM-234				0.72 PCI/G	.18	J	0.80 PCI/G	.19	-				1.29 PCI/G	.31	-
THORIUM-230				1.00 PCI/G	.29	J	1.14 PCI/G	.33	-				1.08 PCI/G	.32	-
RADIUM-226				1.26 PCI/G	.19	-	1.22 PCI/G	.16	-				0.78 PCI/G	.14	-
URANIUM-235/236				0.10 PCI/G	.03	UJ	0.10 PCI/G	.03	UJ				0.10 PCI/G	.04	UJ
THORIUM-232				0.85 PCI/G	.25	J	0.87 PCI/G	.2682	-				0.36 PCI/G	.146	J
THORIUM, TOTAL				7.76 MG/KG	2.27	J	7.95 MG/KG	2.44	-				3.28 MG/KG	1.33	J
RADIUM-228				0.91 PCI/G	.25	-	0.99 PCI/G	.23	-				0.50 PCI/G	.19	UJ
THORIUM-228				0.63 PCI/G	.2	J	0.74 PCI/G	.24	-				0.40 PCI/G	.16	J
NEPTUNIUM-237				0.20 PCI/G	.07	UJ	0.26 PCI/G	.08726	N				0.20 PCI/G	.06759	UJ
PLUTONIUM-239/240				0.20 PCI/G	.03	UJ	0.20 PCI/G	.032	UJ				0.20 PCI/G	.026	UJ
PLUTONIUM-238				0.20 PCI/G	.03	UJ	0.20 PCI/G	.0277	UJ				0.20 PCI/G	.026	UJ
STRONTIUM-90				0.50 PCI/G		UJ	0.51 PCI/G		UJ				0.50 PCI/G		UJ

SAMPLE NUMBER:	116216			116243			116252			116256			116257		
LAB:				IT/RSL			IT						IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			-			NONE-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)
RADIONUCLIDES															
TECHNETIUM-99				1.00 PCI/G		UJ	1.00 PCI/G		UJ				1.00 PCI/G		UJ
RUTHENIUM-106				1.00 PCI/G		UJ	1.00 PCI/G		UJ				1.00 PCI/G		UJ
CESIUM-137				0.20 PCI/G		UJ	0.20 PCI/G		UJ				0.20 PCI/G		UJ
GROSS ALPHA				18.30 PCI/G	8.59	J	9.63 PCI/G	6.59	J				9.89 PCI/G	6.33	J
GROSS BETA				32.90 PCI/G	8.52	J	22.70 PCI/G	6.6	J				14.50 PCI/G	5	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
1,2-DICHLOROBENZENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
1,3-DICHLOROBENZENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
1,4-DICHLOROBENZENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2,4,5-TRICHLOROPHENOL				960.00 UG/KG		U	920.00 UG/KG		U				840.00 UG/KG		U
2,4,6-TRICHLOROPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2,4-DICHLOROPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2,4-DIMETHYLPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2,4-DINITROPHENOL				960.00 UG/KG		UJ	920.00 UG/KG		UJ				840.00 UG/KG		UJ
2,4-DINITROTOLUENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2,6-DINITROTOLUENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2-CHLORONAPHTHALENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2-CHLOROPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2-METHYLNAPHTHALENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2-METHYLPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
2-NITROANILINE				960.00 UG/KG		U	920.00 UG/KG		U				840.00 UG/KG		U
2-NITROPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
3,3'-DICHLOROBENZIDINE				400.00 UG/KG		UJ	380.00 UG/KG		U				340.00 UG/KG		U
3-NITROANILINE				960.00 UG/KG		UJ	920.00 UG/KG		U				840.00 UG/KG		U
4,6-DINITRO-2-METHYLPHENOL				960.00 UG/KG		U	920.00 UG/KG		U				840.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
4-METHYLPHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
4-NITROANILINE				960.00 UG/KG		UJ	920.00 UG/KG		UJ				840.00 UG/KG		UJ
4-NITROPHENOL				960.00 UG/KG		U	920.00 UG/KG		U				840.00 UG/KG		U
ACENAPHTHENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
ACENAPHTHYLENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
ANTHRACENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BENZO(A)ANTHRACENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BENZO(A)PYRENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BENZO(B)FLUORANTHENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BENZO(G,H,I)PERYLENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BENZO(K)FLUORANTHENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHER				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U

SAMPLE NUMBER:	116216			116243			116252			116256			116257		
LAB:				IT			IT						IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			-			NONE-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)
SEMIVOLATILES															
BIS(2-ETHYLHEXYL)PHTHALATE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
BUTYL BENZYL PHTHALATE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
CARBAZOLE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
CHRYSENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
DI-N-BUTYL PHTHALATE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
DI-N-OCTYL PHTHALATE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
DIBENZOFURAN				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
DIETHYL PHTHALATE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
DIMETHYL PHTHALATE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
FLUORANTHENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
FLUORENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
HEXACHLOROBENZENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
HEXACHLOROBUTADIENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
HEXACHLOROETHANE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
ISOPHORONE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE				400.00 UG/KG		U	380.00 UG/KG		UJ				340.00 UG/KG		UJ
N-NITROSODIPHENYLAMINE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
NAPHTHALENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
NITROBENZENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
P-CHLOROANILINE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
PENTACHLOROPHENOL				960.00 UG/KG		U	920.00 UG/KG		U				840.00 UG/KG		U
PHENANTHRENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
PHENOL				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
PYRENE				400.00 UG/KG		U	380.00 UG/KG		U				340.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,1,2-TRICHLOROETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,1-DICHLOROETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,1-DICHLOROETHENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,2-DICHLOROETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
1,2-DICHLOROPROPANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
2-BUTANONE				12.00 UG/KG		U	3.00 UG/KG		J				11.00 UG/KG		U
2-HEXANONE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
4-METHYL-2-PENTANONE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
ACETONE				11.00 UG/KG		J	16.00 UG/KG		-				11.00 UG/KG		U
BENZENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
BROMODICHLOROMETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
BROMOFORM				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U

SAMPLE NUMBER:	116216			116243			116252			116256			116257		
LAB:				IT			IT						IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			-			NONE-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)
VOLATILES															
BROMOMETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
CARBON DISULFIDE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
CARBON TETRACHLORIDE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
CHLOROBENZENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
CHLOROETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
CHLOROFORM				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
CHLOROMETHANE				12.00 UG/KG		UJ	12.00 UG/KG		U				11.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
DIBROMOCHLOROMETHANE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
ETHYLBENZENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
METHYLENE CHLORIDE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
STYRENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
TETRACHLOROETHENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
TOLUENE				12.00 UG/KG		U	12.00 UG/KG		U				16.00 UG/KG		-
TRANS-1,3-DICHLOROPROPENE				12.00 UG/KG		UJ	12.00 UG/KG		U				11.00 UG/KG		U
TRICHLOROETHENE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
VINYL ACETATE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
VINYL CHLORIDE				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U
XYLENES, TOTAL				12.00 UG/KG		U	12.00 UG/KG		U				11.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116073	116075	112054	112057	112062
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	ITAS		IT/MWL	IT	ITAS
WELL OR BORING NUMBER:	1998	1998	1998	1998	1998
DEPTH:	0-1.5	0-1.5	8-9.5	10-11.5	13.5-14
DATE COLLECTED:	28-APR-93	28-APR-93	28-APR-93	28-APR-93	28-APR-93
NORTH COORDINATE:	478091.6	478091.6	478091.6	478091.6	478091.6
EAST COORDINATE:	1379032.88	1379032.88	1379032.88	1379032.88	1379032.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	NONE-NA	NONE-NA	NONE-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															
TOTAL ORGANIC CARBON	86877.00 MG/KG		J										25460.00 MG/KG		J
INORGANICS															
ALUMINUM							11400.00 MG/KG		-	3020.00 MG/KG		-			
ANTIMONY							0.25 MG/KG		UR	0.24 MG/KG		UR			
ARSENIC							10.90 MG/KG		J	5.00 MG/KG		J			
BARIUM							77.00 MG/KG		-	38.30 MG/KG		-			
BERYLLIUM							1.70 MG/KG		-	1.50 MG/KG		-			
CADMIUM							0.96 MG/KG		-	0.50 MG/KG		-			
CALCIUM							2990.00 MG/KG		-	219000.00 MG/KG		J			
CHROMIUM							16.60 MG/KG		-	6.40 MG/KG		-			
COBALT							12.10 MG/KG		-	3.40 MG/KG		-			
COPPER							23.00 MG/KG		-	8.60 MG/KG		-			
CYANIDE							0.13 MG/KG		U	0.12 MG/KG		U			
IRON							29800.00 MG/KG		-	8750.00 MG/KG		-			
LEAD							13.70 MG/KG		J	7.00 MG/KG		J			
MAGNESIUM							2810.00 MG/KG		J	51400.00 MG/KG		-			
MANGANESE							351.00 MG/KG		-	379.00 MG/KG		-			
MERCURY							0.12 MG/KG		U	0.11 MG/KG		U			
MOLYBDENUM							2.80 MG/KG		-	1.60 MG/KG		-			
NICKEL							23.50 MG/KG		-	8.10 MG/KG		-			
POTASSIUM							906.00 MG/KG		J	678.00 MG/KG		J			
SELENIUM							0.25 MG/KG		UJ	0.24 MG/KG		UJ			
SILICON							904.00 MG/KG		-	526.00 MG/KG		-			
SILVER							0.50 MG/KG		-	0.49 MG/KG		U			
SODIUM							76.30 MG/KG		J	203.00 MG/KG		J			
THALLIUM							0.25 MG/KG		-	0.24 MG/KG		U			
VANADIUM							28.80 MG/KG		J	15.60 MG/KG		J			
ZINC							59.00 MG/KG		-	26.20 MG/KG		-			

060090

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	116073			116075			112054			112057			112062		
LAB:							IT			IT					
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-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															
4,4'-DDD							3.90 UG/KG		U	4.20 UG/KG		UR			
4,4'-DDE							3.90 UG/KG		U	4.20 UG/KG		UR			
4,4'-DDT							3.90 UG/KG		U	4.20 UG/KG		UR			
ALDRIN							2.00 UG/KG		U	2.20 UG/KG		UR			
ALPHA-BHC							2.00 UG/KG		U	2.20 UG/KG		UR			
ALPHA-CHLORDANE							2.00 UG/KG		U	2.20 UG/KG		UR			
AROCLOR-1016							39.00 UG/KG		UJ	42.00 UG/KG		U			
AROCLOR-1221							80.00 UG/KG		UJ	86.00 UG/KG		U			
AROCLOR-1232							39.00 UG/KG		UJ	42.00 UG/KG		U			
AROCLOR-1242							39.00 UG/KG		UJ	42.00 UG/KG		U			
AROCLOR-1248							39.00 UG/KG		UJ	42.00 UG/KG		U			
AROCLOR-1254							39.00 UG/KG		UJ	42.00 UG/KG		U			
AROCLOR-1260							39.00 UG/KG		UJ	42.00 UG/KG		U			
BETA-BHC							2.00 UG/KG		U	2.20 UG/KG		UR			
DELTA-BHC							2.00 UG/KG		U	2.20 UG/KG		UR			
DIELDRIN							3.90 UG/KG		U	4.20 UG/KG		UR			
ENDOSULFAN II							3.90 UG/KG		U	4.20 UG/KG		UR			
ENDOSULFAN SULFATE							3.90 UG/KG		U	4.20 UG/KG		UR			
ENDOSULFAN-I							2.00 UG/KG		U	2.20 UG/KG		UR			
ENDRIN							3.90 UG/KG		U	4.20 UG/KG		UR			
ENDRIN ALDEHYDE							3.90 UG/KG		U	4.20 UG/KG		UR			
ENDRIN KETONE							3.90 UG/KG		U	4.20 UG/KG		UR			
GAMMA-BHC (LINDANE)							2.00 UG/KG		U	2.20 UG/KG		UR			
GAMMA-CHLORDANE							2.00 UG/KG		U	2.20 UG/KG		UR			
HEPTACHLOR							2.00 UG/KG		U	2.20 UG/KG		UR			
HEPTACHLOR EPOXIDE							2.00 UG/KG		U	2.20 UG/KG		UR			
METHOXYCHLOR							20.00 UG/KG		U	22.00 UG/KG		UR			
TOXAPHENE							200.00 UG/KG		UJ	220.00 UG/KG		U			
RADIONUCLIDES															
URANIUM-238							4.78 PCI/G	1.03	-	9.22 PCI/G	2	-			
URANIUM, TOTAL							14.90 MG/KG	4.01	-	31.70 MG/KG	6.1	-			
URANIUM-234							4.14 PCI/G	.9	-	8.60 PCI/G	1.87	-			
THORIUM-230							2.80 PCI/G	.7	-	4.17 PCI/G	1.02	-			
RADIUM-226							1.46 PCI/G	.19	-	2.07 PCI/G	.25	-			
URANIUM-235/236							0.21 PCI/G	.077	J	0.40 PCI/G	.13	J			
THORIUM-232							0.98 PCI/G	.29	U	1.35 PCI/G	.38	-			
THORIUM, TOTAL							8.92 MG/KG	2.64	-	12.30 MG/KG	3.5	-			
RADIUM-228							1.18 PCI/G	.26	-	1.59 PCI/G	.29	-			
THORIUM-228							1.17 PCI/G	.34	-	1.30 PCI/G	.372	-			
NEPTUNIUM-237							0.20 PCI/G	.077	UJ	0.49 PCI/G	.15	N			
PLUTONIUM-239/240							0.20 PCI/G		UJ	0.20 PCI/G	.052	UJ			
PLUTONIUM-238							0.20 PCI/G		UJ	0.20 PCI/G	.061	UJ			
STRONTIUM-90							0.50 PCI/G		UJ	0.50 PCI/G		UJ			

SAMPLE NUMBER:	116073			116075			112054			112057			112062		
LAB:							IT/RSL			IT/RSL					
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-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)
RADIONUCLIDES															
TECHNETIUM-99							1.00 PCI/G		UJ	1.00 PCI/G		UJ			
RUTHENIUM-106							1.00 PCI/G		UJ	1.00 PCI/G		UJ			
CESIUM-137							0.20 PCI/G	.066	UJ	0.20 PCI/G	.07	UJ			
GROSS ALPHA							19.11 PCI/G	8.41	-	38.34 PCI/G	12.36	-			
GROSS BETA							35.78 PCI/G	8.67	-	33.67 PCI/G	8.41	-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
1,2-DICHLOROBENZENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
1,3-DICHLOROBENZENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
1,4-DICHLOROBENZENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2,4,5-TRICHLOROPHENOL							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
2,4,6-TRICHLOROPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2,4-DICHLOROPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2,4-DIMETHYLPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2,4-DINITROPHENOL							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
2,4-DINITROTOLUENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2,6-DINITROTOLUENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2-CHLORONAPHTHALENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2-CHLOROPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2-METHYLNAPHTHALENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2-METHYLPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
2-NITROANILINE							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
2-NITROPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
3,3'-DICHLOROBENZIDINE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
3-NITROANILINE							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
4,6-DINITRO-2-METHYLPHENOL							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
4-BROMOPHENYL PHENYL ETHER							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
4-CHLORO-3-METHYLPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
4-CHLOROPHENYLPHENYL ETHER							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
4-METHYLPHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
4-NITROANILINE							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
4-NITROPHENOL							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
ACENAPHTHENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
ACENAPHTHYLENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
ANTHRACENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BENZO(A)ANTHRACENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BENZO(A)PYRENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BENZO(B)FLUORANTHENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BENZO(G,H,I)PERYLENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BENZO(K)FLUORANTHENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BENZOIC ACID							1900.00 UG/KG		UJ	2100.00 UG/KG		UJ			
BENZYL ALCOHOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BIS(2-CHLOROETHOXY)METHANE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			

SAMPLE NUMBER:	116073			116075			112054			112057			112062		
LAB:							IT-KNOX			IT					
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BIS(2-CHLOROISOPROPYL) ETHER							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE							87.00 UG/KG		J	130.00 UG/KG		J			
BUTYL BENZYL PHTHALATE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
CARBAZOLE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
CHRYSENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
DI-N-BUTYL PHTHALATE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
DI-N-OCTYL PHTHALATE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
DIBENZO(A,H)ANTHRACENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
DIBENZOFURAN							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
DIETHYL PHTHALATE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
DIMETHYL PHTHALATE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
FLUORANTHENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
FLUORENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
HEXACHLOROBENZENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
HEXACHLOROBUTADIENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
HEXACHLOROCYCLOPENTADIENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
HEXACHLOROETHANE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
INDENO(1,2,3-CD)PYRENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
ISOPHORONE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
N-NITROSO-DI-N-PROPYLAMINE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
N-NITROSODIPHENYLAMINE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
NAPHTHALENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
NITROBENZENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
P-CHLOROANILINE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
PENTACHLOROPHENOL							960.00 UG/KG		UJ	1000.00 UG/KG		UJ			
PHENANTHRENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
PHENOL							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
PYRENE							390.00 UG/KG		UJ	420.00 UG/KG		UJ			
VOLATILES															
1,1,1-TRICHLOROETHANE							3.00 UG/KG		J	13.00 UG/KG		UJ			
1,1,2,2-TETRACHLOROETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
1,1,2-TRICHLOROETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
1,1-DICHLOROETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
1,1-DICHLOROETHENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
1,2-DICHLOROETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
1,2-DICHLOROETHENE (TOTAL)							12.00 UG/KG		U	13.00 UG/KG		UJ			
1,2-DICHLOROPROPANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
2-BUTANONE							12.00 UG/KG		U	13.00 UG/KG		UJ			
2-HEXANONE							12.00 UG/KG		U	13.00 UG/KG		UJ			
4-METHYL-2-PENTANONE							12.00 UG/KG		U	13.00 UG/KG		UJ			
ACETONE							12.00 UG/KG		U	15.00 UG/KG		UJ			
BENZENE							12.00 UG/KG		U	13.00 UG/KG		UJ			

SAMPLE NUMBER:	116073			116075			112054			112057			112062		
LAB:							IT/MWL			IT					
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-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)
VOLATILES															
BROMODICHLOROMETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
BROMOFORM							12.00 UG/KG		U	13.00 UG/KG		UJ			
BROMOMETHANE							12.00 UG/KG		U	13.00 UG/KG		U			
CARBON DISULFIDE							12.00 UG/KG		U	13.00 UG/KG		UJ			
CARBON TETRACHLORIDE							12.00 UG/KG		U	13.00 UG/KG		UJ			
CHLOROBENZENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
CHLOROETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
CHLOROFORM							12.00 UG/KG		U	13.00 UG/KG		UJ			
CHLOROMETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
CIS-1,3-DICHLOROPROPENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
DIBROMOCHLOROMETHANE							12.00 UG/KG		U	13.00 UG/KG		UJ			
ETHYLBENZENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
METHYLENE CHLORIDE							12.00 UG/KG		U	13.00 UG/KG		U			
STYRENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
TETRACHLOROETHENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
TOLUENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
TRANS-1,3-DICHLOROPROPENE							12.00 UG/KG		UJ	13.00 UG/KG		UJ			
TRICHLOROETHENE							12.00 UG/KG		U	13.00 UG/KG		UJ			
VINYL ACETATE							12.00 UG/KG		U						
VINYL CHLORIDE							12.00 UG/KG		U	13.00 UG/KG		UJ			
XYLENES, TOTAL							12.00 UG/KG		U	13.00 UG/KG		UJ			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	112065	112045	116074	112955	SS-24-003
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	CIS
LAB:	IT/MWL	IT		FERMCO	WEMCO
WELL OR BORING NUMBER:	1998	1998	1998	2955	CIS_SYSGEN_105
DEPTH:	17-18.5	2-3.5	2-3.5	50-65	0-.5
DATE COLLECTED:	28-APR-93	28-APR-93	28-APR-93	30-APR-93	
NORTH COORDINATE:	478091.6	478091.6	478091.6	478103.82	478019.41
EAST COORDINATE:	1379032.88	1379032.88	1379032.88	1378953.07	1378899.06
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	-	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	7340.00 MG/KG		-	6440.00 MG/KG		-									
ANTIMONY	0.22 MG/KG		UR	0.91 MG/KG		R									
ARSENIC	3.70 MG/KG		J	65.40 MG/KG		J									
BARIUM	50.90 MG/KG		-	621.00 MG/KG		-									
BERYLLIUM	1.30 MG/KG		-	6.90 MG/KG		-									
CADMIUM	1.20 MG/KG		-	0.76 MG/KG		U									
CALCIUM	95400.00 MG/KG		-	3170.00 MG/KG		-									
CHROMIUM	11.00 MG/KG		-	12.50 MG/KG		-									
COBALT	8.20 MG/KG		-	10.00 MG/KG		-									
COPPER	16.40 MG/KG		-	35.80 MG/KG		-									
CYANIDE	0.11 MG/KG		U	0.55 MG/KG		-									
IRON	17000.00 MG/KG		-	11900.00 MG/KG		-									
LEAD	18.30 MG/KG		J	17.70 MG/KG		J									
MAGNESIUM	27500.00 MG/KG		J	626.00 MG/KG		J									
MANGANESE	436.00 MG/KG		-	79.40 MG/KG		-									
MERCURY	0.10 MG/KG		U	0.19 MG/KG		U									
MOLYBDENUM	1.40 MG/KG		-	5.70 MG/KG		-									
NICKEL	18.90 MG/KG		-	16.90 MG/KG		-									
POTASSIUM	1440.00 MG/KG		J	694.00 MG/KG		J									
SELENIUM	0.22 MG/KG		UJ	5.40 MG/KG		J									
SILICON	577.00 MG/KG		-	892.00 MG/KG		-									
SILVER	0.43 MG/KG		U	0.76 MG/KG		-									
SODIUM	190.00 MG/KG		J	222.00 MG/KG		J									
THALLIUM	0.22 MG/KG		U	3.60 MG/KG		-									
VANADIUM	17.70 MG/KG		J	49.10 MG/KG		J									
ZINC	39.40 MG/KG		-	19.60 MG/KG		-									
PESTICIDES															
4,4'-DDD	3.60 UG/KG		U	5.10 UG/KG		U									

SAMPLE NUMBER:	112065			112045			116074			112955			SS-24-003		
LAB:	IT-KNOX			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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															
4,4'-DDE	3.60 UG/KG		U	5.10 UG/KG		U									
4,4'-DDT	3.60 UG/KG		U	5.10 UG/KG		U									
ALDRIN	1.90 UG/KG		U	2.60 UG/KG		U									
ALPHA-BHC	1.90 UG/KG		U	2.60 UG/KG		U									
ALPHA-CHLORDANE	1.90 UG/KG		U	2.60 UG/KG		U									
AROCLOR-1016	36.00 UG/KG		UJ	51.00 UG/KG		U									
AROCLOR-1221	73.00 UG/KG		UJ	100.00 UG/KG		U									
AROCLOR-1232	36.00 UG/KG		UJ	51.00 UG/KG		U									
AROCLOR-1242	36.00 UG/KG		UJ	51.00 UG/KG		U									
AROCLOR-1248	36.00 UG/KG		UJ	51.00 UG/KG		U									
AROCLOR-1254	36.00 UG/KG		UJ	51.00 UG/KG		U									
AROCLOR-1260	36.00 UG/KG		UJ	51.00 UG/KG		U									
BETA-BHC	1.90 UG/KG		U	2.60 UG/KG		U									
DELTA-BHC	1.90 UG/KG		U	2.60 UG/KG		U									
DIELDRIN	3.60 UG/KG		U	5.10 UG/KG		U									
ENDOSULFAN II	3.60 UG/KG		U	5.10 UG/KG		U									
ENDOSULFAN SULFATE	3.60 UG/KG		U	5.10 UG/KG		U									
ENDOSULFAN-I	1.90 UG/KG		U	2.60 UG/KG		U									
ENDRIN	3.60 UG/KG		U	5.10 UG/KG		U									
ENDRIN ALDEHYDE	3.60 UG/KG		U	5.10 UG/KG		U									
ENDRIN KETONE	3.60 UG/KG		U	5.10 UG/KG		U									
GAMMA-BHC (LINDANE)	1.90 UG/KG		U	2.60 UG/KG		U									
GAMMA-CHLORDANE	1.90 UG/KG		U	2.60 UG/KG		U									
HEPTACHLOR	1.90 UG/KG		U	2.60 UG/KG		U									
HEPTACHLOR EPOXIDE	1.90 UG/KG		U	2.60 UG/KG		U									
METHOXYCHLOR	19.00 UG/KG		U	26.00 UG/KG		U									
TOXAPHENE	190.00 UG/KG		UJ	260.00 UG/KG		U									
RADIONUCLIDES															
URANIUM-238	0.85 PCI/G	.21	-	4.46 PCI/G	1	-							7.70 PCI/G	3.4	NV
URANIUM, TOTAL	4.39 MG/KG	2.89	-	14.30 MG/KG	3.7	-				11.00 MG/KG		UNV	22.95 MG/KG	3.4	NV
URANIUM-234	0.77 PCI/G	.2	-	4.23 PCI/G	.95	-									
THORIUM-230	0.87 PCI/G	.3	J	6.16 PCI/G	2.2	R									
RADIUM-226	0.79 PCI/G	.15	-	3.44 PCI/G	.33	-							1.90 PCI/G	.6	NV
URANIUM-235/236	0.10 PCI/G	.03	UJ	0.19 PCI/G	.078	J									
THORIUM-232	0.73 PCI/G	.27	J	2.67 PCI/G	1.19	R							2.10 PCI/G	.6	NV
THORIUM, TOTAL	6.67 MG/KG	2.42	J	24.40 MG/KG	10.2	R							19.15 PCI/G	.6	NV
RADIUM-228	0.73 PCI/G	.22	-	2.51 PCI/G	.34	-									
THORIUM-228	0.54 PCI/G	.22	J	2.82 PCI/G	1.18	R									
NEPTUNIUM-237	0.20 PCI/G	.071	UJ	0.20 PCI/G	.06	UJ									
PLUTONIUM-239/240	0.20 PCI/G		UJ	0.20 PCI/G	.048	UJ									
PLUTONIUM-238	0.20 PCI/G	.043	UJ	0.20 PCI/G	.06	UJ									
STRONTIUM-90	0.50 PCI/G		UJ	0.50 PCI/G		UJ									
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ									

SAMPLE NUMBER:	112065			112045			116074			112955			SS-24-003		
LAB:	IT/RSL			IT/RSL											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ							1.00 PCI/G		UNV
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		UJ							0.50 PCI/G	.4	NV
GROSS ALPHA	7.81 PCI/G	5.68	-	40.00 PCI/G	13.07	-									
GROSS BETA	19.40 PCI/G	5.81	-	35.10 PCI/G	8.44	-									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
1,2-DICHLOROBENZENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
1,3-DICHLOROBENZENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
1,4-DICHLOROBENZENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2,4,5-TRICHLOROPHENOL	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
2,4,6-TRICHLOROPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2,4-DICHLOROPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2,4-DIMETHYLPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2,4-DINITROPHENOL	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
2,4-DINITROTOLUENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2,6-DINITROTOLUENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2-CHLORONAPHTHALENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2-CHLOROPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2-METHYLNAPHTHALENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2-METHYLPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
2-NITROANILINE	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
2-NITROPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
3,3'-DICHLOROBENZIDINE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
3-NITROANILINE	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
4,6-DINITRO-2-METHYLPHENOL	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
4-BROMOPHENYL PHENYL ETHER	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
4-CHLORO-3-METHYLPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
4-CHLOROPHENYLPHENYL ETHER	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
4-METHYLPHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
4-NITROANILINE	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
4-NITROPHENOL	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
ACENAPHTHENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
ACENAPHTHYLENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
ANTHRACENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BENZO(A)ANTHRACENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BENZO(A)PYRENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BENZO(B)FLUORANTHENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BENZO(G,H,I)PERYLENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BENZO(K)FLUORANTHENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BENZOIC ACID	1700.00 UG/KG		UJ	2400.00 UG/KG		UJ									
BENZYL ALCOHOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BIS(2-CHLOROETHOXY)METHANE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BIS(2-CHLOROETHYL)ETHER	360.00 UG/KG		UJ	500.00 UG/KG		UJ									

SAMPLE NUMBER:	112065			112045			116074			112955			SS-24-003		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE	840.00 UG/KG		J	150.00 UG/KG		J									
BUTYL BENZYL PHTHALATE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
CARBAZOLE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
CHRYSENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
DI-N-BUTYL PHTHALATE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
DI-N-OCTYL PHTHALATE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
DIBENZO(A,H)ANTHRACENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
DIBENZOFURAN	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
DIETHYL PHTHALATE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
DIMETHYL PHTHALATE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
FLUORANTHENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
FLUORENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
HEXACHLOROBENZENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
HEXACHLOROBUTADIENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
HEXACHLOROCYCLOPENTADIENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
HEXACHLOROETHANE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
INDENO(1,2,3-CD)PYRENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
ISOPHORONE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
N-NITROSO-DI-N-PROPYLAMINE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
N-NITROSODIPHENYLAMINE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
NAPHTHALENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
NITROBENZENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
P-CHLOROANILINE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
PENTACHLOROPHENOL	870.00 UG/KG		UJ	1200.00 UG/KG		UJ									
PHENANTHRENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
PHENOL	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
PYRENE	360.00 UG/KG		UJ	500.00 UG/KG		UJ									
VOLATILES															
1,1,1-TRICHLOROETHANE	11.00 UG/KG		U	16.00 UG/KG		J									
1,1,2,2-TETRACHLOROETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
1,1,2-TRICHLOROETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
1,1-DICHLOROETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
1,1-DICHLOROETHENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
1,2-DICHLOROETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
1,2-DICHLOROETHENE (TOTAL)	11.00 UG/KG		U	77.00 UG/KG		UJ									
1,2-DICHLOROPROPANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
2-BUTANONE	11.00 UG/KG		U	77.00 UG/KG		UJ									
2-HEXANONE	11.00 UG/KG		U	77.00 UG/KG		UJ									
4-METHYL-2-PENTANONE	11.00 UG/KG		U	77.00 UG/KG		UJ									
ACETONE	11.00 UG/KG		U	77.00 UG/KG		UJ									
BENZENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
BROMODICHLOROMETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									

SAMPLE NUMBER:	112065			112045			116074			112955			SS-24-003		
LAB:	IT/MWL			IT											
SUFFIX/FILTERFLAG:	NONE-NA			DL-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)
VOLATILES															
BROMOFORM	11.00 UG/KG		U	77.00 UG/KG		UJ									
BROMOMETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
CARBON DISULFIDE	11.00 UG/KG		U	77.00 UG/KG		UJ									
CARBON TETRACHLORIDE	11.00 UG/KG		U	77.00 UG/KG		UJ									
CHLOROBENZENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
CHLOROETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
CHLOROFORM	11.00 UG/KG		U	77.00 UG/KG		UJ									
CHLOROMETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
CIS-1,3-DICHLOROPROPENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
DIBROMOCHLOROMETHANE	11.00 UG/KG		U	77.00 UG/KG		UJ									
ETHYLBENZENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
METHYLENE CHLORIDE	11.00 UG/KG		U	77.00 UG/KG		UJ									
STYRENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
TETRACHLOROETHENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
TOLUENE	59.00 UG/KG		-	150.00 UG/KG		J									
TRANS-1,3-DICHLOROPROPENE	11.00 UG/KG		UJ	77.00 UG/KG		UJ									
TRICHLOROETHENE	11.00 UG/KG		U	77.00 UG/KG		UJ									
VINYL ACETATE	11.00 UG/KG		U												
VINYL CHLORIDE	11.00 UG/KG		U	77.00 UG/KG		UJ									
XYLENES, TOTAL	11.00 UG/KG		U	77.00 UG/KG		UJ									

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	SS-24-241	SL-24-214	SS-24-213	SL-24-218	SL-24-216
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	TMA	WEMCO	WEMCO	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_118	CIS_SYSGEN_126	CIS_SYSGEN_126	CIS_SYSGEN_126	CIS_SYSGEN_126
DEPTH:	0-.5	.17-.5	0-.5	1-1.5	.5-1
DATE COLLECTED:					
NORTH COORDINATE:	478068.7	478128.53	478128.53	478128.53	478128.53
EAST COORDINATE:	1378925.42	1378969.07	1378969.07	1378969.07	1378969.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	8593.09 PCI/G	66.307	-	19.80 PCI/G	5.7	NV	20.60 PCI/G	6.2	NV	27.80 PCI/G	6.3	NV	17.30 PCI/G	3.8	NV
URANIUM, TOTAL	26623.18 MG/KG	66.307	-	59.00 MG/KG	5.7	NV	61.39 MG/KG	6.2	NV	82.84 MG/KG	6.3	NV	51.55 MG/KG	3.8	NV
URANIUM-234	11373.30 PCI/G	76.26	-												
THORIUM-230	8.66 PCI/G	.6807	J												
RADIUM-226	20.00 PCI/G		UNV	2.30 PCI/G		UNV	0.60 PCI/G	.5	NV	2.30 PCI/G	.7	NV	1.00 PCI/G	.4	NV
URANIUM-235/236	2189.95 PCI/G	33.48	-												
THORIUM-232	1.95 PCI/G	.3556	J	5.20 PCI/G	.7	NV	0.50 PCI/G	.4	NV	2.20 PCI/G	.8	NV	2.80 PCI/G	.6	NV
THORIUM, TOTAL	17.81 PCI/G	.3556	J	47.42 PCI/G	.7	NV	4.56 PCI/G	.4	NV	20.06 PCI/G	.8	NV	25.54 PCI/G	.6	NV
THORIUM-228	3.52 PCI/G	.4486	J												
NEPTUNIUM-237	0.20 PCI/G		U												
PLUTONIUM-239/240	1.52 PCI/G	.449	NV												
PLUTONIUM-238	0.20 PCI/G	.1324	UNV												
STRONTIUM-90	0.50 PCI/G		U												
TECHNETIUM-99	594.00 PCI/G	51	NV												
RUTHENIUM-106	17.72 PCI/G	8.9058	NV	2.80 PCI/G		UNV	1.00 PCI/G		UNV	11.30 PCI/G		UNV	5.00 PCI/G		UNV
CESIUM-137	1.69 PCI/G	.9153	NV	0.70 PCI/G		UNV	1.40 PCI/G		UNV	1.30 PCI/G		UNV	0.60 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	SL-24-219	SL-24-225	SS-24-224	SL-24-227	SL-24-226
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	WEMCO	WEMCO	WEMCO	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_126	CIS_SYSGEN_127	CIS_SYSGEN_127	CIS_SYSGEN_127	CIS_SYSGEN_127
DEPTH:	1.5-2	.17-.5	0-.5	1-1.5	.5-1
DATE COLLECTED:					
NORTH COORDINATE:	478128.53	478210.76	478210.76	478210.76	478210.76
EAST COORDINATE:	1378969.07	1378998.33	1378998.33	1378998.33	1378998.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	37.90 PCI/G	6.6	NV	32.80 PCI/G		UNV	17.90 PCI/G		UNV	23.50 PCI/G		UNV	5.20 PCI/G	3.2	NV
URANIUM, TOTAL	112.94 MG/KG	6.6	NV	97.74 MG/KG		NV	53.34 MG/KG		NV	70.03 MG/KG		NV	15.50 MG/KG	3.2	NV
RADIUM-226	2.00 PCI/G	.5	NV	41.30 PCI/G	1.9	NV	33.50 PCI/G	2.1	NV	6.00 PCI/G	.8	NV	23.20 PCI/G	1.5	NV
THORIUM-232	0.50 PCI/G		UNV	2.50 PCI/G		UNV	1.20 PCI/G		UNV	5.70 PCI/G		UNV	2.30 PCI/G	1.6	NV
THORIUM, TOTAL	4.56 PCI/G		NV	22.80 PCI/G		NV	10.94 PCI/G		NV	51.98 PCI/G		NV	20.98 PCI/G	1.6	NV
RUTHENIUM-106	8.30 PCI/G		UNV	21.00 PCI/G		UNV	12.30 PCI/G		UNV	1.00 PCI/G		UNV	6.00 PCI/G		UNV
CESIUM-137	0.40 PCI/G		UNV	1.70 PCI/G		UNV	0.30 PCI/G		UNV	0.20 PCI/G		UNV	1.70 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	SL-24-186	SS-24-185	SL-24-188	SL-24-187	SL-24-138
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	WEMCO	WEMCO	TMA	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_49	CIS_SYSGEN_49	CIS_SYSGEN_49	CIS_SYSGEN_49	CIS_SYSGEN_84
DEPTH:	.17-.5	0-.5	1-1.5	.5-1	.17-.5
DATE COLLECTED:					
NORTH COORDINATE:	477876.47	477876.47	477876.47	477876.47	477992.88
EAST COORDINATE:	1379114.23	1379114.23	1379114.23	1379114.23	1378954.35
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	2.50 PCI/G	2.2	NV	7.50 PCI/G	4.6	NV	92.35 PCI/G	1.5647	J	16.30 PCI/G	4.3	NV	37.10 PCI/G	5.7	NV
URANIUM, TOTAL	7.45 MG/KG	2.2	NV	22.35 MG/KG	4.6	NV	277.88 MG/KG	1.5647	J	48.57 MG/KG	4.3	NV	110.56 MG/KG	5.7	NV
THORIUM-230							1.58 PCI/G	.3431	J						
RADIUM-226	1.00 PCI/G		UNV	1.00 PCI/G	.7	NV	2.00 PCI/G		UNV	0.80 PCI/G	.4	NV	2.20 PCI/G		UNV
URANIUM-235/236							5.79 PCI/G	.3919	J						
THORIUM-232	0.90 PCI/G	.4	NV	0.60 PCI/G	.3	NV	2.91 PCI/G	.4763	J	3.80 PCI/G	.8	NV	4.30 PCI/G	.8	NV
THORIUM, TOTAL	8.21 PCI/G	.4	NV	5.47 PCI/G	.3	NV	26.53 PCI/G	.4763	J	34.66 PCI/G	.8	NV	39.22 PCI/G	.8	NV
THORIUM-228							3.55 PCI/G	.5167	J						
NEPTUNIUM-237							0.20 PCI/G		U						
PLUTONIUM-239/240							0.20 PCI/G	0	U						
PLUTONIUM-238							0.20 PCI/G	.0275	U						
STRONTIUM-90							0.50 PCI/G		U						
TECHNETIUM-99							1.20 PCI/G		U						
RUTHENIUM-106	6.50 PCI/G		UNV	12.30 PCI/G		UNV	2.01 PCI/G	2.013	U	3.70 PCI/G		UNV	5.70 PCI/G		UNV
CESIUM-137	0.20 PCI/G		UNV	1.10 PCI/G		UNV	0.36 PCI/G	.234	-	0.60 PCI/G		UNV	0.90 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	SS-24-137	SL-24-139	111790	111791	111792
TASK:	CIS	CIS	20.03.05	20.03.05	20.03.05
LAB:	TMA	WEMCO	IT/MWL	IT/MWL	IT/MWL
WELL OR BORING NUMBER:	CIS_SYSGEN_84	CIS_SYSGEN_84	IFP-SS-01	IFP-SS-02	IFP-SS-03
DEPTH;	0-.5	.5-1	0-.5	0-.5	0-.5
DATE COLLECTED:			16-APR-93	16-APR-93	16-APR-93
NORTH COORDINATE:	477992.88	477992.88	477700.23	477780.39	477812.34
EAST COORDINATE:	1378954.35	1378954.35	1379288.15	1379109.01	1379045.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM							4720.00 MG/KG		-	5450.00 MG/KG		-	1430.00 MG/KG		-
ANTIMONY							1.70 MG/KG		U	1.10 MG/KG		U	0.83 MG/KG		UJ
ARSENIC							33.20 MG/KG		-	5.10 MG/KG		-	1.90 MG/KG		J
BARIUM							105.00 MG/KG		-	46.80 MG/KG		-	7.30 MG/KG		-
BERYLLIUM							2.10 MG/KG		-	0.61 MG/KG		-	0.33 MG/KG		U
CADMIUM							1.70 MG/KG		U	1.10 MG/KG		U	0.83 MG/KG		U
CALCIUM							2730.00 MG/KG		-	84000.00 MG/KG		-	103000.00 MG/KG		-
CHROMIUM							8.30 MG/KG		-	7.40 MG/KG		-	2.50 MG/KG		-
COBALT							10.20 MG/KG		-	4.10 MG/KG		-	2.90 MG/KG		-
COPPER							41.10 MG/KG		-	12.00 MG/KG		-	4.80 MG/KG		-
CYANIDE							0.70 MG/KG		-	0.12 MG/KG		U	0.11 MG/KG		U
IRON							2770.00 MG/KG		-	11600.00 MG/KG		-	5140.00 MG/KG		-
LEAD							31.30 MG/KG		-	10.10 MG/KG		-	3.20 MG/KG		-
MAGNESIUM							741.00 MG/KG		-	21300.00 MG/KG		-	16400.00 MG/KG		-
MANGANESE							38.00 MG/KG		-	358.00 MG/KG		-	331.00 MG/KG		-
MERCURY							0.17 MG/KG		U	0.11 MG/KG		U	0.09 MG/KG		U
MOLYBDENUM							7.20 MG/KG		-	4.50 MG/KG		U	3.30 MG/KG		U
NICKEL							19.70 MG/KG		-	11.20 MG/KG		-	5.80 MG/KG		-
POTASSIUM							1170.00 MG/KG		-	1100.00 MG/KG		-	221.00 MG/KG		-
SELENIUM							8.20 MG/KG		-	0.45 MG/KG		U	0.36 MG/KG		U
SILICON							426.00 MG/KG		-	674.00 MG/KG		-	219.00 MG/KG		-
SILVER							3.30 MG/KG		U	3.30 MG/KG		-	1.70 MG/KG		U
SODIUM							74.50 MG/KG		-	123.00 MG/KG		-	77.00 MG/KG		-
THALLIUM							2.10 MG/KG		U	0.49 MG/KG		U	0.36 MG/KG		U
VANADIUM							32.30 MG/KG		-	15.10 MG/KG		-	4.90 MG/KG		-
ZINC							34.50 MG/KG		-	31.10 MG/KG		-	12.60 MG/KG		-
PESTICIDES															
4,4'-DDD							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U

SAMPLE NUMBER:	SS-24-137			SL-24-139			111790			111791			111792		
LAB:							ITAS			IT			ITAS		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-NA			NONE-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															
4,4'-DDE							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
4,4'-DDT							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
ALDRIN							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
ALPHA-BHC							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
ALPHA-CHLORDANE							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
AROCLOR-1016							56.00 UG/KG		U	39.00 UG/KG		U	35.00 UG/KG		U
AROCLOR-1221							110.00 UG/KG		U	79.00 UG/KG		U	72.00 UG/KG		U
AROCLOR-1232							56.00 UG/KG		U	39.00 UG/KG		U	35.00 UG/KG		U
AROCLOR-1242							56.00 UG/KG		U	39.00 UG/KG		U	35.00 UG/KG		U
AROCLOR-1248							56.00 UG/KG		U	39.00 UG/KG		U	35.00 UG/KG		U
AROCLOR-1254							56.00 UG/KG		U	39.00 UG/KG		U	35.00 UG/KG		U
AROCLOR-1260							56.00 UG/KG		U	39.00 UG/KG		U	35.00 UG/KG		U
BETA-BHC							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
DELTA-BHC							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
DIELDRIN							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
ENDOSULFAN II							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
ENDOSULFAN SULFATE							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
ENDOSULFAN-I							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
ENDRIN							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
ENDRIN ALDEHYDE							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
ENDRIN KETONE							5.60 UG/KG		U	3.90 UG/KG		U	3.50 UG/KG		U
GAMMA-BHC (LINDANE)							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
GAMMA-CHLORDANE							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
HEPTACHLOR							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
HEPTACHLOR EPOXIDE							2.90 UG/KG		U	2.00 UG/KG		U	1.80 UG/KG		U
METHOXYCHLOR							29.00 UG/KG		U	20.00 UG/KG		U	18.00 UG/KG		U
TOXAPHENE							290.00 UG/KG		U	200.00 UG/KG		U	180.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238	215.75 PCI/G	2.6856	NV	25.70 PCI/G	6.4	NV	2.98 PCI/G	.661	-	1.44 PCI/G	.338	-	0.42 PCI/G	.117	J
URANIUM, TOTAL	649.74 MG/KG	2.6856	NV	76.59 MG/KG	6.4	NV	12.30 MG/KG	3.69	-	5.01 MG/KG	2.5	-	0.82 MG/KG	1.96	J
URANIUM-234	254.73 PCI/G	2.9181	NV				3.11 PCI/G	.689	-	1.32 PCI/G	.311	-	0.43 PCI/G	.122	J
THORIUM-230	17.80 PCI/G	3.69	R				2.77 PCI/G	.737	-	1.13 PCI/G	.389	R	0.41 PCI/G	.21	R
RADIUM-226	5.90 PCI/G		UNV	1.20 PCI/G		UNV	2.70 PCI/G	.294	-	0.90 PCI/G	.142	-	0.52 PCI/G	.101	-
URANIUM-235/236	14.63 PCI/G	.6992	NV				0.12 PCI/G	.055	J	0.10 PCI/G	.0413	UJ	0.10 PCI/G	.0277	UJ
THORIUM-232	18.50 PCI/G	3.81	R	3.00 PCI/G	.6	NV	2.33 PCI/G	.633	-	0.69 PCI/G	.274	R	0.33 PCI/G	.172	R
THORIUM, TOTAL	168.72 PCI/G	3.81	R	27.36 PCI/G	.6	NV	21.40 MG/KG	5.82	-	6.31 MG/KG	2.52	R	3.02 MG/KG	1.58	R
RADIUM-228							2.62 PCI/G	.379	-	0.97 PCI/G	.23	-	0.50 PCI/G	.158	UJ
THORIUM-228	13.50 PCI/G	3.63	R				2.71 PCI/G	.722	-	0.56 PCI/G	.247	R	0.40 PCI/G	.193	R
NEPTUNIUM-237	0.20 PCI/G		U				0.59 PCI/G	.276	R	0.07 PCI/G		R	0.20 PCI/G	.0274	UJ
PLUTONIUM-239/240	0.20 PCI/G	0	U				0.18 PCI/G		R	0.20 PCI/G		UJ	0.20 PCI/G		UJ
PLUTONIUM-238	0.20 PCI/G	.1009	U				0.42 PCI/G	.227	R	0.20 PCI/G	.05953	UJ	0.20 PCI/G	.03992	UJ
STRONTIUM-90	0.50 PCI/G		U				1.14 PCI/G	.377	J	0.53 PCI/G	.337	J	0.50 PCI/G		UJ
TECHNETIUM-99	1.80 PCI/G		U				1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ

SAMPLE NUMBER:	SS-24-137			SL-24-139			111790			111791			111792		
LAB:	TMA						IT/RSL			IT/RSL			IT/RSL		
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	3.42 PCI/G		U	4.10 PCI/G		UNV	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ
CESIUM-137	1.15 PCI/G	.77	J	0.50 PCI/G		UNV	0.20 PCI/G		UJ	0.20 PCI/G	.064	UJ	0.20 PCI/G		UJ
GROSS ALPHA							37.80 PCI/G	12.5	-	20.10 PCI/G	8.99	-	9.42 PCI/G		UJ
GROSS BETA							30.80 PCI/G	7.88	-	21.80 PCI/G	6.36	-	11.90 PCI/G	4.82	-
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
1,2-DICHLOROBENZENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
1,3-DICHLOROBENZENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
1,4-DICHLOROBENZENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2,4,5-TRICHLOROPHENOL							1400.00 UG/KG		U	950.00 UG/KG		U	870.00 UG/KG		U
2,4,6-TRICHLOROPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2,4-DICHLOROPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2,4-DIMETHYLPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2,4-DINITROPHENOL							1400.00 UG/KG		UJ	950.00 UG/KG		UJ	870.00 UG/KG		UJ
2,4-DINITROTOLUENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2,6-DINITROTOLUENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2-CHLORONAPHTHALENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2-CHLOROPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2-METHYLNAPHTHALENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2-METHYLPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
2-NITROANILINE							1400.00 UG/KG		U	950.00 UG/KG		U	870.00 UG/KG		U
2-NITROPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
3,3'-DICHLOROBENZIDINE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
3-NITROANILINE							1400.00 UG/KG		U	950.00 UG/KG		U	870.00 UG/KG		U
4,6-DINITRO-2-METHYLPHENOL							1400.00 UG/KG		UR	950.00 UG/KG		UR	870.00 UG/KG		UR
4-BROMOPHENYL PHENYL ETHER							560.00 UG/KG		UJ	390.00 UG/KG		UJ	360.00 UG/KG		UJ
4-CHLORO-3-METHYLPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
4-METHYLPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
4-NITROANILINE							1400.00 UG/KG		UR	950.00 UG/KG		UR	870.00 UG/KG		UR
4-NITROPHENOL							1400.00 UG/KG		U	950.00 UG/KG		U	870.00 UG/KG		U
ACENAPHTHENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
ACENAPHTHYLENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
ANTHRACENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BENZO(A)ANTHRACENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BENZO(A)PYRENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BENZO(B)FLUORANTHENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BENZO(G,H,I)PERYLENE							560.00 UG/KG		UJ	390.00 UG/KG		UJ	360.00 UG/KG		U
BENZO(K)FLUORANTHENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BENZOIC ACID							2700.00 UG/KG		UJ	1900.00 UG/KG		UJ	1700.00 UG/KG		UJ
BENZYL ALCOHOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U

SAMPLE NUMBER:	SS-24-137			SL-24-139			111790			111791			111792		
LAB:							ITAS			IT			ITAS		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER							560.00 UG/KG		UJ	390.00 UG/KG		UJ	360.00 UG/KG		UJ
BIS(2-ETHYLHEXYL)PHTHALATE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
BUTYL BENZYL PHTHALATE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
CARBAZOLE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
CHRYSENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
DI-N-BUTYL PHTHALATE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
DI-N-OCTYL PHTHALATE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
DIBENZOFURAN							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
DIETHYL PHTHALATE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
DIMETHYL PHTHALATE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
FLUORANTHENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
FLUORENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
HEXACHLOROBENZENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
HEXACHLOROBUTADIENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
HEXACHLOROETHANE							560.00 UG/KG		UJ	390.00 UG/KG		UJ	360.00 UG/KG		UJ
INDENO(1,2,3-CD)PYRENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
ISOPHORONE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
N-NITROSODIPHENYLAMINE							560.00 UG/KG		UJ	390.00 UG/KG		UJ	360.00 UG/KG		UJ
NAPHTHALENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
NITROBENZENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
P-CHLOROANILINE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
PENTACHLOROPHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
PHENANTHRENE							1400.00 UG/KG		UJ	950.00 UG/KG		UJ	870.00 UG/KG		UJ
PHENOL							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
PYRENE							560.00 UG/KG		U	390.00 UG/KG		U	360.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,1,2-TRICHLOROETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,1-DICHLOROETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,1-DICHLOROETHENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,2-DICHLOROETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
1,2-DICHLOROPROPANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
2-BUTANONE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
2-HEXANONE							17.00 UG/KG		UJ	11.00 UG/KG		UJ	11.00 UG/KG		UJ
4-METHYL-2-PENTANONE							17.00 UG/KG		UJ	11.00 UG/KG		UJ	11.00 UG/KG		UJ
ACETONE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
BENZENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
BROMODICHLOROMETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U

SAMPLE NUMBER:	SS-24-137			SL-24-139			111790			111791			111792		
LAB:							IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-NA			NONE-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)
VOLATILES															
BROMOFORM							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
BROMOMETHANE							17.00 UG/KG		UJ	11.00 UG/KG		UJ	11.00 UG/KG		UJ
CARBON DISULFIDE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
CARBON TETRACHLORIDE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
CHLOROBENZENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
CHLOROETHANE							17.00 UG/KG		UJ	11.00 UG/KG		UJ	11.00 UG/KG		UJ
CHLOROFORM							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
CHLOROMETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
DIBROMOCHLOROMETHANE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
ETHYLBENZENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
METHYLENE CHLORIDE							28.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
STYRENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
TETRACHLOROETHENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
TOLUENE							55.00 UG/KG		-	3.00 UG/KG		J	5.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
TRICHLOROETHENE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
VINYL ACETATE							17.00 UG/KG		UJ	11.00 UG/KG		UJ	11.00 UG/KG		UJ
VINYL CHLORIDE							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U
XYLENES, TOTAL							17.00 UG/KG		U	11.00 UG/KG		U	11.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU2 - INACTIVE FLYASH PILE

SAMPLE NUMBER:	111793	111794	111795	111796	005017
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	3.4.2
LAB:	IT/MWL	IT/MWL	IT/MWL	IT/MWL	IT
WELL OR BORING NUMBER:	IFP-SS-04	IFP-SS-05	IFP-SS-06	IFP-SS-07	ZONE 3-14
DEPTH:	0-.5	0-.5	0-.5	0-.5	0-.167
DATE COLLECTED:	16-APR-93	16-APR-93	16-APR-93	16-APR-93	02-SEP-87
NORTH COORDINATE:	477839.06	477981.13	478059.99	478165.89	478000
EAST COORDINATE:	1378957.87	1379030.85	1378926.62	1379023.03	1379000
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	8130.00 MG/KG		-	9400.00 MG/KG		-	10100.00 MG/KG		-	8230.00 MG/KG		-			
ANTIMONY	1.30 MG/KG		U	2.20 MG/KG		UJ	1.20 MG/KG		UJ	1.30 MG/KG		UJ			
ARSENIC	5.10 MG/KG		-	5.20 MG/KG		-	6.20 MG/KG		-	4.40 MG/KG		-			
BARIUM	66.80 MG/KG		-	54.50 MG/KG		-	68.00 MG/KG		-	89.50 MG/KG		-			
BERYLLIUM	0.72 MG/KG		-	0.68 MG/KG		-	0.70 MG/KG		-	0.91 MG/KG		-			
CADMIUM	3.10 MG/KG		-	1.20 MG/KG		U	1.20 MG/KG		U	1.30 MG/KG		U			
CALCIUM	82300.00 MG/KG		-	81000.00 MG/KG		-	74000.00 MG/KG		-	142000.00 MG/KG		-			
CHROMIUM	10.40 MG/KG		-	11.70 MG/KG		-	12.90 MG/KG		-	8.80 MG/KG		-			
COBALT	8.50 MG/KG		-	6.50 MG/KG		-	5.70 MG/KG		-	3.30 MG/KG		-			
COPPER	16.40 MG/KG		-	13.60 MG/KG		-	13.70 MG/KG		-	8.30 MG/KG		-			
CYANIDE	0.18 MG/KG		-	0.13 MG/KG		U	0.14 MG/KG		-	0.12 MG/KG		U			
IRON	14400.00 MG/KG		-	17000.00 MG/KG		-	16500.00 MG/KG		-	9710.00 MG/KG		-			
LEAD	18.10 MG/KG		-	18.70 MG/KG		-	19.20 MG/KG		-	21.40 MG/KG		-			
MAGNESIUM	15400.00 MG/KG		-	25900.00 MG/KG		-	38000.00 MG/KG		-	55000.00 MG/KG		-			
MANGANESE	418.00 MG/KG		-	440.00 MG/KG		-	476.00 MG/KG		-	1020.00 MG/KG		-			
MERCURY	0.12 MG/KG		U	0.11 MG/KG		U	0.11 MG/KG		U	0.11 MG/KG		U			
MOLYBDENUM	5.00 MG/KG		U	5.10 MG/KG		-	4.80 MG/KG		-	5.00 MG/KG		U			
NICKEL	16.40 MG/KG		-	17.60 MG/KG		-	15.70 MG/KG		-	8.50 MG/KG		-			
POTASSIUM	1360.00 MG/KG		-	2030.00 MG/KG		-	1820.00 MG/KG		-	1370.00 MG/KG		-			
SELENIUM	0.70 MG/KG		U	0.50 MG/KG		U	0.43 MG/KG		U	0.49 MG/KG		U			
SILICON	449.00 MG/KG		-	1030.00 MG/KG		-	581.00 MG/KG		-	1220.00 MG/KG		-			
SILVER	4.20 MG/KG		-	5.00 MG/KG		-	4.80 MG/KG		-	2.80 MG/KG		-			
SODIUM	94.20 MG/KG		-	155.00 MG/KG		-	139.00 MG/KG		-	223.00 MG/KG		-			
THALLIUM	0.45 MG/KG		U	0.51 MG/KG		U	0.41 MG/KG		U	0.49 MG/KG		U			
VANADIUM	22.10 MG/KG		-	22.20 MG/KG		-	23.20 MG/KG		-	14.90 MG/KG		-			
ZINC	50.60 MG/KG		-	55.10 MG/KG		-	46.40 MG/KG		-	28.50 MG/KG		-			
PESTICIDES															
4,4'-DDD	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			

000107

6416

SAMPLE NUMBER:	111793			111794			111795			111796			005017		
LAB:	ITAS			ITAS			ITAS			ITAS					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-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															
4,4'-DDE	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
4,4'-DDT	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
ALDRIN	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
ALPHA-BHC	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
ALPHA-CHLORDANE	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
AROCLOR-1016	44.00 UG/KG		U	43.00 UG/KG		U	42.00 UG/KG		U	43.00 UG/KG		U			
AROCLOR-1221	89.00 UG/KG		U	87.00 UG/KG		U	85.00 UG/KG		U	87.00 UG/KG		U			
AROCLOR-1232	44.00 UG/KG		U	43.00 UG/KG		U	42.00 UG/KG		U	43.00 UG/KG		U			
AROCLOR-1242	44.00 UG/KG		U	43.00 UG/KG		U	42.00 UG/KG		U	43.00 UG/KG		U			
AROCLOR-1248	44.00 UG/KG		U	43.00 UG/KG		U	42.00 UG/KG		U	43.00 UG/KG		U			
AROCLOR-1254	44.00 UG/KG		U	43.00 UG/KG		U	42.00 UG/KG		U	43.00 UG/KG		U			
AROCLOR-1260	44.00 UG/KG		U	43.00 UG/KG		U	42.00 UG/KG		U	90.00 UG/KG		U			
BETA-BHC	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
DELTA-BHC	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
DIELDRIN	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
ENDOSULFAN II	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
ENDOSULFAN SULFATE	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
ENDOSULFAN-I	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
ENDRIN	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
ENDRIN ALDEHYDE	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
ENDRIN KETONE	4.40 UG/KG		U	4.30 UG/KG		U	4.20 UG/KG		U	4.30 UG/KG		U			
GAMMA-BHC (LINDANE)	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
GAMMA-CHLORDANE	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
HEPTACHLOR	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
HEPTACHLOR EPOXIDE	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U	2.20 UG/KG		U			
METHOXYCHLOR	22.00 UG/KG		U	22.00 UG/KG		U	22.00 UG/KG		U	22.00 UG/KG		U			
TOXAPHENE	220.00 UG/KG		U	220.00 UG/KG		U	220.00 UG/KG		U	220.00 UG/KG		U			
RADIONUCLIDES															
URANIUM-238	6.12 PCI/G	1.3	-	7.56 PCI/G	1.61	-	11.20 PCI/G	2.35	-	10.40 PCI/G	2.39	-	4.90 PCI/G	1	R
URANIUM, TOTAL	19.70 MG/KG	4.48	-	20.40 MG/KG	4.68	-	32.10 MG/KG	4.88	-	31.10 MG/KG	5.93	-	14.88 PCI/G	1	R
URANIUM-234	6.18 PCI/G	1.31	-	7.69 PCI/G	1.64	-	10.60 PCI/G	2.24	-	10.10 PCI/G	2.27	-	5.10 PCI/G	1	R
THORIUM-230	12.10 PCI/G	2.93	R	2.20 PCI/G	.59	-	1.85 PCI/G	.586	R	2.30 PCI/G	.657	R	5.30 PCI/G	1	R
RADIUM-226	1.22 PCI/G	.175	-	1.05 PCI/G	.173	-	1.02 PCI/G	.159	-	1.04 PCI/G	.177	-	1.40 PCI/G	.4	R
URANIUM-235/236	0.28 PCI/G	.0881	J	0.34 PCI/G	.102	-	0.60 PCI/G	.161	-	0.43 PCI/G	.162	J	0.60 PCI/G		R
THORIUM-232	1.07 PCI/G	.354	R	0.84 PCI/G	.274	-	1.03 PCI/G	.379	R	0.89 PCI/G	.315	R	1.80 PCI/G	.5	R
THORIUM, TOTAL	9.84 MG/KG	3.26	R	7.74 MG/KG	2.52	-	9.48 MG/KG	3.49	R	8.18 MG/KG	2.9	R	16.42 PCI/G	.5	R
RADIUM-228	1.20 PCI/G	.243	-	0.83 PCI/G	.246	-	1.48 PCI/G	.272	-	0.76 PCI/G	.241	-	1.00 PCI/G		R
THORIUM-228	1.02 PCI/G	.342	R	0.79 PCI/G	.264	-	0.93 PCI/G	.353	R	0.62 PCI/G	.244	R	0.90 PCI/G	.3	R
NEPTUNIUM-237	0.20 PCI/G	.0691	UJ	0.20 PCI/G	.0305	UJ	0.07 PCI/G		R	0.20 PCI/G	.0291	UJ	0.60 PCI/G		R
PLUTONIUM-239/240	0.20 PCI/G		UJ	0.20 PCI/G	.02102	UJ	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.60 PCI/G		R
PLUTONIUM-238	0.20 PCI/G		UJ	0.20 PCI/G	.03259	UJ	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.60 PCI/G		R
STRONTIUM-90	0.85 PCI/G	.336	J	0.63 PCI/G	.29	J	0.50 PCI/G		UJ	0.77 PCI/G	.29	J	0.50 PCI/G		R
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	9.00 PCI/G		R

SAMPLE NUMBER:	111793			111794			111795			111796			005017		
LAB:	IT/RSL			IT/RSL			IT/RSL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.50 PCI/G		R
CESIUM-137	0.34 PCI/G	.0946	U	0.64 PCI/G	.139	-	0.54 PCI/G	.118	-	0.30 PCI/G	.0982	-	0.70 PCI/G	.2	R
GROSS ALPHA	60.20 PCI/G	17.4	-	25.90 PCI/G	10.1	-	39.20 PCI/G	12.9	-	28.20 PCI/G	10.4	-			
GROSS BETA	36.30 PCI/G	9.06	-	36.30 PCI/G	8.96	-	43.90 PCI/G	10.3	-	32.70 PCI/G	8.17	-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
1,2-DICHLOROBENZENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
1,3-DICHLOROBENZENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
1,4-DICHLOROBENZENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2,4-DICHLOROPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2,4-DIMETHYLPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2,4-DINITROPHENOL	1000.00 UG/KG		UJ	1000.00 UG/KG		UJ	1000.00 UG/KG		UJ	1000.00 UG/KG		UJ			
2,4-DINITROTOLUENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2,6-DINITROTOLUENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2-CHLORONAPHTHALENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2-CHLOROPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2-METHYLNAPHTHALENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	160.00 UG/KG		J			
2-METHYLPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
2-NITROANILINE	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U			
2-NITROPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
3-NITROANILINE	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U			
4,6-DINITRO-2-METHYLPHENOL	1000.00 UG/KG		UR	1000.00 UG/KG		UR	1000.00 UG/KG		UR	1000.00 UG/KG		UR			
4-BROMOPHENYL PHENYL ETHER	430.00 UG/KG		UJ	430.00 UG/KG		UJ	420.00 UG/KG		UJ	430.00 UG/KG		UJ			
4-CHLORO-3-METHYLPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
4-METHYLPHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
4-NITROANILINE	1000.00 UG/KG		UR	1000.00 UG/KG		UR	1000.00 UG/KG		UR	1000.00 UG/KG		UR			
4-NITROPHENOL	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U	1000.00 UG/KG		U			
ACENAPHTHENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	460.00 UG/KG		-			
ACENAPHTHYLENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	1800.00 UG/KG		J			
ANTHRACENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	1700.00 UG/KG		J			
BENZO(A)ANTHRACENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	8900.00 UG/KG		U			
BENZO(A)PYRENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	16000.00 UG/KG		U			
BENZO(B)FLUORANTHENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	17000.00 UG/KG		U			
BENZO(G,H,I)PERYLENE	430.00 UG/KG		UJ	430.00 UG/KG		UJ	420.00 UG/KG		UJ	7200.00 UG/KG		UJ			
BENZO(K)FLUORANTHENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	5700.00 UG/KG		U			
BENZOIC ACID	2100.00 UG/KG		UJ	2100.00 UG/KG		UJ	2000.00 UG/KG		UJ	2100.00 UG/KG		UJ			
BENZYL ALCOHOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			

800109

SAMPLE NUMBER:	111793			111794			111795			111796			005017		
LAB:	ITAS			ITAS			ITAS			ITAS					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER	430.00 UG/KG		UJ	430.00 UG/KG		UJ	420.00 UG/KG		UJ	430.00 UG/KG		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
BUTYL BENZYL PHTHALATE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
CARBAZOLE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	510.00 UG/KG		-			
CHRYSENE	430.00 UG/KG		U	100.00 UG/KG		U	420.00 UG/KG		U	9000.00 UG/KG		U			
DI-N-BUTYL PHTHALATE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
DI-N-OCTYL PHTHALATE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	2200.00 UG/KG		-			
DIBENZOFURAN	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	250.00 UG/KG		J			
DIETHYL PHTHALATE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
DIMETHYL PHTHALATE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
FLUORANTHENE	430.00 UG/KG		U	200.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
FLUORENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	510.00 UG/KG		-			
HEXACHLOROBENZENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
HEXACHLOROBUTADIENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE	430.00 UG/KG		UJ	430.00 UG/KG		UJ	420.00 UG/KG		UJ	430.00 UG/KG		UJ			
HEXACHLOROETHANE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	9300.00 UG/KG		U			
ISOPHORONE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE	430.00 UG/KG		UJ	430.00 UG/KG		UJ	420.00 UG/KG		UJ	430.00 UG/KG		UJ			
N-NITROSODIPHENYLAMINE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
NAPHTHALENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	100.00 UG/KG		J			
NITROBENZENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
P-CHLOROANILINE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
PENTACHLOROPHENOL	1000.00 UG/KG		UJ	1000.00 UG/KG		UJ	1000.00 UG/KG		UJ	1000.00 UG/KG		UJ			
PHENANTHRENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	5700.00 UG/KG		U			
PHENOL	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	430.00 UG/KG		U			
PYRENE	430.00 UG/KG		U	430.00 UG/KG		U	420.00 UG/KG		U	16000.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,1,2,2-TETRACHLOROETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,1,2-TRICHLOROETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,1-DICHLOROETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,1-DICHLOROETHENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,2-DICHLOROETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,2-DICHLOROETHENE (TOTAL)	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
1,2-DICHLOROPROPANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
2-BUTANONE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	3.00 UG/KG		J			
2-HEXANONE	13.00 UG/KG		UJ	13.00 UG/KG		UJ	12.00 UG/KG		UJ	13.00 UG/KG		UJ			
4-METHYL-2-PENTANONE	13.00 UG/KG		UJ	13.00 UG/KG		UJ	12.00 UG/KG		UJ	13.00 UG/KG		UJ			
ACETONE	10.00 UG/KG		J	2.00 UG/KG		J	12.00 UG/KG		U	12.00 UG/KG		J			
BENZENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
BROMODICHLOROMETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			

SAMPLE NUMBER:	111793			111794			111795			111796			005017		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT/MWL					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-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)
VOLATILES															
BROMOFORM	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
BROMOMETHANE	13.00 UG/KG		UJ	13.00 UG/KG		UJ	12.00 UG/KG		UJ	13.00 UG/KG		UJ			
CARBON DISULFIDE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
CARBON TETRACHLORIDE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
CHLOROBENZENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
CHLOROETHANE	13.00 UG/KG		UJ	13.00 UG/KG		UJ	12.00 UG/KG		UJ	13.00 UG/KG		UJ			
CHLOROFORM	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
CHLOROMETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
CIS-1,3-DICHLOROPROPENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
DIBROMOCHLOROMETHANE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
ETHYLBENZENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
METHYLENE CHLORIDE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
STYRENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
TETRACHLOROETHENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
TOLUENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
TRANS-1,3-DICHLOROPROPENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
TRICHLOROETHENE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
VINYL ACETATE	13.00 UG/KG		UJ	13.00 UG/KG		UJ	12.00 UG/KG		UJ	13.00 UG/KG		UJ			
VINYL CHLORIDE	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			
XYLENES, TOTAL	13.00 UG/KG		U	13.00 UG/KG		U	12.00 UG/KG		U	13.00 UG/KG		U			

OU2 - South Field Area

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	007207	007301	007217	007220	008947
TASK:	3.2	3.2	3.2	3.2	3.2
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1045	1047	1048	1048	2045
DEPTH:	7.5-9	9-10.5	1.5-3	1.5-3	30-31.5
DATE COLLECTED:	07-OCT-87	16-OCT-87	13-OCT-87	13-OCT-87	06-DEC-88
NORTH COORDINATE:	477134.7	478258.45	477477.45	477477.45	477129.91
EAST COORDINATE:	1379751.55	1379062.49	1379877.21	1379877.21	1379760.54
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	NORMAL
QC OF:				007217	
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	0.90 PCI/G	.3	-	0.70 PCI/G	.3	J	2.40 PCI/G	.6	J	2.80 PCI/G	.8	J			
URANIUM, TOTAL	2.96 MG/KG	.3	-	2.36 MG/KG	.3	J	7.43 MG/KG	.6	J	8.62 MG/KG	.8	J	150.00 MG/KG	37.9	-
URANIUM-234	1.00 PCI/G	.4	-	0.60 PCI/G		UJ	1.00 PCI/G	.3	J	1.40 PCI/G	.5	J			
THORIUM-230	1.80 PCI/G	.6	-	1.40 PCI/G	.4	-	1.90 PCI/G	.6	-	2.20 PCI/G	.7	-			
RADIUM-226	0.40 PCI/G		UJ	0.70 PCI/G	.1	J	0.90 PCI/G	.1	J	0.50 PCI/G	.1	J			
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ			
THORIUM-232	1.20 PCI/G	.4	-	0.60 PCI/G		U	0.90 PCI/G	.4	-	1.00 PCI/G	.4	-			
THORIUM, TOTAL	10.94 PCI/G	.4	NV	5.47 PCI/G		U	8.21 PCI/G	.4	-	9.12 PCI/G	.4	NV			
RADIUM-228	0.50 PCI/G		R	0.60 PCI/G	.1	J	1.20 PCI/G	.2	J	0.60 PCI/G	.1	J			
THORIUM-228	1.10 PCI/G	.4	-	0.80 PCI/G	.3	-	1.60 PCI/G	.5	-	1.20 PCI/G	.5	-			
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		UJ			
PLUTONIUM-239/240	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U			
PLUTONIUM-238	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U			
STRONTIUM-90	1.20 PCI/G	.3	-	0.50 PCI/G		UJ	0.50 PCI/G		R	0.50 PCI/G		R			
TECHNETIUM-99	2.80 PCI/G		UNV	1.50 PCI/G	.4	-	1.00 PCI/G		UNV	1.00 PCI/G		UNV			
RUTHENIUM-106	1.20 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ			
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.20 PCI/G		UJ			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	008948	008960	020498	007233	055371
TASK:	3.2	3.2	3.2	3.2	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2045	2047	2048	21190	21191
DEPTH:	35-36.5	25-26.5	65-66.5	1.5-3	0-.5
DATE COLLECTED:	06-DEC-88	20-DEC-88	30-NOV-88	15-OCT-87	19-MAY-90
NORTH COORDINATE:	477129.91	478263.85	477480.23	477617.13	477071.1
EAST COORDINATE:	1379760.54	1379054.18	1379866.55	1379149.12	1379636.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	0.60 PCI/G		U	0.60 PCI/G		R	0.60 PCI/G		U	11.40 PCI/G	2.1	J	7.00 PCI/G	.93	J
URANIUM, TOTAL	2.00 MG/KG	2	J	2.00 MG/KG	2	UJ	2.00 MG/KG	2	R	34.25 MG/KG	2.1	J	26.40 MG/KG	5	R
URANIUM-234	0.60 PCI/G		U	0.60 PCI/G		R	0.60 PCI/G		U	10.70 PCI/G	2	J	4.64 PCI/G	.66	J
THORIUM-230	0.70 PCI/G	.3	J	1.00 PCI/G	.2	R	0.70 PCI/G	.2	-	0.90 PCI/G	.4	-	5.59 PCI/G	.82	-
RADIUM-226	0.40 PCI/G	.1	J	0.40 PCI/G	.1	J	0.30 PCI/G		R	0.70 PCI/G	.1	J	1.35 PCI/G	.17	R
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		R	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		UJ
THORIUM-232	0.60 PCI/G	.3	J	0.60 PCI/G		R	0.60 PCI/G		U	0.60 PCI/G	.3	-	1.11 PCI/G	.24	-
THORIUM, TOTAL	5.47 PCI/G	.3	NV	5.47 PCI/G		R	5.47 PCI/G		U	5.47 PCI/G	.3	NV	10.00 MG/KG	2.1	-
RADIUM-228	0.50 PCI/G		UJ	0.50 PCI/G		UJ	0.60 PCI/G		R	0.80 PCI/G	.1	J	0.86 PCI/G	.208	R
THORIUM-228	0.60 PCI/G		UJ	0.60 PCI/G		R	0.60 PCI/G		U	1.10 PCI/G	.5	-	1.01 PCI/G	.22	-
NEPTUNIUM-237	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-239/240	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		U	0.60 PCI/G		UJ
PLUTONIUM-238	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		U	0.60 PCI/G	.304	J
STRONTIUM-90	0.50 PCI/G	.2	U	0.70 PCI/G	.2	-	0.50 PCI/G		U	0.50 PCI/G		R	0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		UNV	1.00 PCI/G		UJ
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		UJ	1.00 PCI/G		R
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		UJ	0.25 PCI/G	.081	R

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	055373	055375	055377	055379	055383
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	21191
DEPTH:	1-1.5	2-2.5	3-3.5	4-4.5	6-6.5
DATE COLLECTED:	19-MAY-90	19-MAY-90	19-MAY-90	19-MAY-90	19-MAY-90
NORTH COORDINATE:	477071.1	477071.1	477071.1	477071.1	477071.1
EAST COORDINATE:	1379636.54	1379636.54	1379636.54	1379636.54	1379636.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	2.72 PCI/G	.42	J	1.41 PCI/G	.26	J	1.67 PCI/G	.28	J	1.93 PCI/G	.31	J	2.84 PCI/G	.42	J
URANIUM, TOTAL	12.90 MG/KG	2.8	R	8.15 MG/KG	1.94	R	3.44 MG/KG	1.58	J	6.94 MG/KG	1.65	R	9.42 MG/KG	1.91	J
URANIUM-234	2.64 PCI/G	.41	J	1.29 PCI/G	.24	J	1.24 PCI/G	.23	J	1.73 PCI/G	.29	J	2.29 PCI/G	.35	J
THORIUM-230	3.07 PCI/G	.46	-	0.79 PCI/G	.179	-	0.81 PCI/G	.188	J	1.03 PCI/G	.21	J	1.37 PCI/G	.26	J
RADIUM-226	0.30 PCI/G		R	0.30 PCI/G		R	0.50 PCI/G	.068	J	0.62 PCI/G	.083	R	0.86 PCI/G	.087	J
URANIUM-235/236	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
THORIUM-232	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U
THORIUM, TOTAL	5.00 MG/KG	.93	-	5.00 MG/KG	.88	-	5.00 MG/KG	1.04	-	5.00 MG/KG	.78	-	5.00 MG/KG	1.02	-
RADIUM-228	0.50 PCI/G		R	0.50 PCI/G		R	0.50 PCI/G		UJ	0.50 PCI/G		R	0.50 PCI/G		UJ
THORIUM-228	0.60 PCI/G		U	0.66 PCI/G	.159	-	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-239/240	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-238	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		U	1.22 PCI/G	.26	J	0.50 PCI/G		U	0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ
RUTHENIUM-106	1.00 PCI/G		R	1.00 PCI/G		R	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		UJ
CESIUM-137	0.20 PCI/G		R	0.20 PCI/G		R	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	055387	055389	055391	055393	055395
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	21191
DEPTH:	8-8.5	9-9.5	10-10.5	11-11.5	12-12.5
DATE COLLECTED:	19-MAY-90	19-MAY-90	19-MAY-90	19-MAY-90	19-MAY-90
NORTH COORDINATE:	477071.1	477071.1	477071.1	477071.1	477071.1
EAST COORDINATE:	1379636.54	1379636.54	1379636.54	1379636.54	1379636.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	1.53 PCI/G	.28	J	1.91 PCI/G	.31	J	1.53 PCI/G	.25	J	1.84 PCI/G	.31	J	1.96 PCI/G	.32	J
URANIUM, TOTAL	7.93 MG/KG	1.75	R	6.55 MG/KG	1.92	J	9.41 MG/KG	2.16	R	5.52 MG/KG	.94	J	9.03 MG/KG	1.96	R
URANIUM-234	1.50 PCI/G	.28	J	1.54 PCI/G	.27	J	1.48 PCI/G	.24	J	1.65 PCI/G	.28	J	1.84 PCI/G	.31	J
THORIUM-230	0.66 PCI/G	.197	J	0.75 PCI/G	.182	J	0.85 PCI/G	.243	J	0.60 PCI/G		U	0.96 PCI/G	.217	J
RADIUM-226	0.49 PCI/G	.075	R	0.61 PCI/G	.081	J	0.53 PCI/G	.087	R	0.41 PCI/G	.065	J	0.30 PCI/G		R
URANIUM-235/236	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
THORIUM-232	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		UJ
THORIUM, TOTAL	5.00 MG/KG	.9	-	5.00 MG/KG		U	5.00 MG/KG	1.27	-	5.00 MG/KG	.82	-	4.67 MG/KG	1.36	J
RADIUM-228	0.50 PCI/G		R	0.50 PCI/G		UJ	0.50 PCI/G		R	0.50 PCI/G		UJ	0.50 PCI/G		R
THORIUM-228	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		UJ
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-239/240	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-238	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ
RUTHENIUM-106	1.00 PCI/G		R	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		UJ	1.00 PCI/G		R
CESIUM-137	0.20 PCI/G		R	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		UJ	0.20 PCI/G		R

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	055399			055401			055405			055407			055409		
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			21191		
DEPTH:	14-14.5			15-15.5			17-17.5			18-18.5			19-19.5		
DATE COLLECTED:	19-MAY-90			19-MAY-90			19-MAY-90			19-MAY-90			19-MAY-90		
NORTH COORDINATE:	477071.1			477071.1			477071.1			477071.1			477071.1		
EAST COORDINATE:	1379636.54			1379636.54			1379636.54			1379636.54			1379636.54		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
URANIUM-238	2.60 PCI/G	.38	J	1.80 PCI/G	.31	J	0.85 PCI/G	.178	J	2.74 PCI/G	.45	J	0.60 PCI/G		UJ
URANIUM, TOTAL	6.66 MG/KG	1.95	J	8.60 MG/KG	1.97	R	2.64 MG/KG	1.39	J	6.33 MG/KG	1.62	R	6.76 MG/KG	1.73	R
URANIUM-234	2.27 PCI/G	.34	J	1.63 PCI/G	.29	J	0.95 PCI/G	.191	J	2.30 PCI/G	.4	J	0.60 PCI/G		UJ
THORIUM-230	1.23 PCI/G	.33	J	1.61 PCI/G	.33	J	0.78 PCI/G	.199	J	0.71 PCI/G	.172	J	0.90 PCI/G	.208	J
RADIUM-226	0.51 PCI/G	.079	J	0.30 PCI/G		R	0.54 PCI/G	.069	J	0.59 PCI/G	.086	R	0.30 PCI/G		R
URANIUM-235/236	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
THORIUM-232	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
THORIUM, TOTAL	4.41 MG/KG	1.81	J	4.75 MG/KG	1.52	J	1.68 MG/KG	.89	J	1.76 MG/KG	.81	J	1.94 MG/KG	.89	J
RADIUM-228	0.50 PCI/G		UJ	0.50 PCI/G		R	0.50 PCI/G		UJ	0.50 PCI/G		R	0.50 PCI/G		R
THORIUM-228	0.73 PCI/G	.245	J	0.74 PCI/G	.203	J	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-239/240	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-238	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		UJ	0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		R
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		R

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	032639	032622	032609	032725	010441
TASK:	3.2	3.2	3.2	3.2	3.2
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2385	2385	3045	3385	4016
DEPTH:	45-46.5	4.5-6	105-106.	80-81.5	50-51.5
DATE COLLECTED:	21-APR-90	20-APR-90	09-MAY-90	13-JUN-90	18-DEC-88
NORTH COORDINATE:	477886.51	477886.51	477139.87	477883.04	477618.74
EAST COORDINATE:	1379923.25	1379923.25	1379742.3	1379932.66	1379138.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	0.60 PCI/G		U	0.74 PCI/G	.26	-	0.75 PCI/G	.214	J	1.05 PCI/G	.21	J	0.60 PCI/G		U
URANIUM, TOTAL	4.63 MG/KG	1.76	J	2.76 MG/KG	.83	R	2.85 MG/KG	.78	J	5.80 MG/KG	1.1	R	2.00 MG/KG		UJ
URANIUM-234	0.60 PCI/G		U	0.98 PCI/G	.301	-	0.92 PCI/G	.239	J	0.74 PCI/G	.164	J	0.60 PCI/G		U
THORIUM-230	0.60 PCI/G		U	0.74 PCI/G	.228	-	1.42 PCI/G	.32	J	0.60 PCI/G	.178	-	0.60 PCI/G		U
RADIUM-226	0.65 PCI/G	.09	J	0.90 PCI/G	.14	R	0.59 PCI/G	.046	J	1.70 PCI/G	.3	R	0.50 PCI/G	.1	J
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		U	0.60 PCI/G		U
THORIUM-232	0.60 PCI/G		U	0.65 PCI/G	.213	-	0.97 PCI/G	.247	J	0.60 PCI/G		U	0.60 PCI/G		U
THORIUM, TOTAL	1.10 MG/KG		U	5.88 MG/KG	1.93	-	8.71 MG/KG	2.23	J	4.15 MG/KG	1.39	-	5.47 PCI/G		U
RADIUM-228	0.50 PCI/G		UJ	0.74 PCI/G	.21	R	0.54 PCI/G	.06	J	1.00 PCI/G		R	0.50 PCI/G		UJ
THORIUM-228	0.60 PCI/G		U	0.72 PCI/G	.226	-	1.19 PCI/G	.28	J	0.60 PCI/G		U	0.60 PCI/G		U
NEPTUNIUM-237	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U
PLUTONIUM-239/240	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-238	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		UJ	0.60 PCI/G		UJ
STRONTIUM-90	0.50 PCI/G		U	1.34 PCI/G	.28	-	0.50 PCI/G		R	0.50 PCI/G		U	0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		UJ	1.00 PCI/G		R	1.00 PCI/G		UJ
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		UJ	0.20 PCI/G		R	0.20 PCI/G		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	010450	010454	010449	121065	112241
TASK:	3.2	3.2	3.2	50.03.18	20.03.05
LAB:	IT	IT	IT	TCT	IT
WELL OR BORING NUMBER:	4016	4016	4016	500318/SS-42	AFP-SD-02
DEPTH:	95-96.5	115-116.	89-91	0-.5	0-.5
DATE COLLECTED:	20-DEC-88	21-DEC-88	20-DEC-88	30-JUN-93	12-MAY-93
NORTH COORDINATE:	477618.74	477618.74	477618.74	477477.58	477141
EAST COORDINATE:	1379138.31	1379138.31	1379138.31	1380037.6	1379970.14
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM										10500.00 MG/KG		J	9620.00 MG/KG		-
ANTIMONY										3.60 MG/KG		UJ	1.50 MG/KG		UJ
ARSENIC										9.20 MG/KG		-	10.40 MG/KG		-
BARIUM										83.20 MG/KG		-	75.00 MG/KG		-
BERYLLIUM										1.30 MG/KG		UJ	1.90 MG/KG		-
CADMIUM										1.30 MG/KG		U	0.47 MG/KG		U
CALCIUM										18800.00 MG/KG		-	59800.00 MG/KG		-
CHROMIUM										14.80 MG/KG		-	13.00 MG/KG		-
COBALT										11.40 MG/KG		-	10.30 MG/KG		-
COPPER										17.30 MG/KG		-	23.60 MG/KG		-
CYANIDE										0.32 MG/KG		UJ	0.12 MG/KG		UR
IRON										23100.00 MG/KG		J	16500.00 MG/KG		-
LEAD										28.10 MG/KG		R	23.70 MG/KG		-
MAGNESIUM										7160.00 MG/KG		-	16600.00 MG/KG		-
MANGANESE										653.00 MG/KG		R	463.00 MG/KG		-
MERCURY										0.10 MG/KG		U	0.12 MG/KG		U
MOLYBDENUM										4.30 MG/KG		U	1.70 MG/KG		-
NICKEL										20.30 MG/KG		-	20.10 MG/KG		-
POTASSIUM										699.00 MG/KG		-	1760.00 MG/KG		-
SELENIUM										0.26 MG/KG		UR	0.93 MG/KG		UJ
SILICON										230.00 MG/KG		J	738.00 MG/KG		J
SILVER										0.51 MG/KG		UJ	0.47 MG/KG		U
SODIUM										53.80 MG/KG		-	146.00 MG/KG		-
THALLIUM										0.26 MG/KG		-	0.24 MG/KG		-
VANADIUM										23.80 MG/KG		-	23.90 MG/KG		-
ZINC										50.90 MG/KG		J	60.40 MG/KG		-
PESTICIDES															
4,4'-DDD										4.20 UG/KG		U	4.00 UG/KG		U

SAMPLE NUMBER:	010450			010454			010449			121065			112241		
LAB:										TCT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
4,4'-DDE										4.20 UG/KG		U	4.00 UG/KG		U
4,4'-DDT										4.20 UG/KG		U	4.00 UG/KG		U
ALDRIN										2.20 UG/KG		U	2.10 UG/KG		U
ALPHA-BHC										2.20 UG/KG		U	2.10 UG/KG		U
ALPHA-CHLORDANE										2.20 UG/KG		U	2.10 UG/KG		U
AROCLOR-1016										42.00 UG/KG		U	40.00 UG/KG		U
AROCLOR-1221										86.00 UG/KG		U	82.00 UG/KG		U
AROCLOR-1232										42.00 UG/KG		U	40.00 UG/KG		U
AROCLOR-1242										42.00 UG/KG		U	40.00 UG/KG		U
AROCLOR-1248										42.00 UG/KG		U	40.00 UG/KG		U
AROCLOR-1254										42.00 UG/KG		U	40.00 UG/KG		U
AROCLOR-1260										42.00 UG/KG		U	40.00 UG/KG		U
BETA-BHC										2.20 UG/KG		U	2.10 UG/KG		U
DELTA-BHC										2.20 UG/KG		U	2.10 UG/KG		U
DIELDRIN										4.20 UG/KG		U	4.00 UG/KG		U
ENDOSULFAN II										4.20 UG/KG		U	4.00 UG/KG		U
ENDOSULFAN SULFATE										4.20 UG/KG		U	4.00 UG/KG		U
ENDOSULFAN-I										2.20 UG/KG		U	2.10 UG/KG		U
ENDRIN										4.20 UG/KG		U	4.00 UG/KG		U
ENDRIN ALDEHYDE										4.20 UG/KG		U	4.00 UG/KG		U
ENDRIN KETONE										4.20 UG/KG		U	4.00 UG/KG		U
GAMMA-BHC (LINDANE)										2.20 UG/KG		U	2.10 UG/KG		U
GAMMA-CHLORDANE										2.20 UG/KG		U	2.10 UG/KG		U
HEPTACHLOR										2.20 UG/KG		U	2.10 UG/KG		U
HEPTACHLOR EPOXIDE										2.20 UG/KG		U	2.10 UG/KG		U
METHOXYCHLOR										22.00 UG/KG		U	21.00 UG/KG		U
TOXAPHENE										220.00 UG/KG		U	210.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238	0.80 PCI/G	.2	-	0.60 PCI/G		U							4.39 PCI/G	.979	-
URANIUM, TOTAL	3.00 MG/KG	2	R	2.00 MG/KG	1	UJ	14.00 MG/KG	4.2	-				13.60 MG/KG	4.08	-
URANIUM-234	0.70 PCI/G	.2	-	0.60 PCI/G		U							4.14 PCI/G	.924	-
THORIUM-230	1.20 PCI/G	.2	R	0.60 PCI/G		U							1.50 PCI/G	.442	J
RADIUM-226	0.90 PCI/G	.1	R	0.30 PCI/G		UJ							1.30 PCI/G	.191	-
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U							0.20 PCI/G	.077	J
THORIUM-232	0.90 PCI/G	.2	R	0.60 PCI/G		U							0.93 PCI/G	.3068	J
THORIUM, TOTAL	8.21 PCI/G	.2	R	5.47 PCI/G		U							8.57 MG/KG	2.82	J
RADIUM-228	1.20 PCI/G	.2	R	0.50 PCI/G		UJ							1.01 PCI/G	.237	-
THORIUM-228	1.10 PCI/G	.2	R	0.60 PCI/G		U							0.81 PCI/G	.277	J
NEPTUNIUM-237	0.60 PCI/G		U	0.60 PCI/G		U							0.20 PCI/G	.05525	UJ
PLUTONIUM-239/240	0.60 PCI/G		UJ	0.60 PCI/G		UJ							0.20 PCI/G	.0494	UJ
PLUTONIUM-238	0.60 PCI/G		UJ	0.60 PCI/G		UJ							0.20 PCI/G	.0418	UJ
STRONTIUM-90	4.00 PCI/G	.6	-	0.90 PCI/G	.2	-							0.50 PCI/G	.119	UJ
TECHNETIUM-99	1.00 PCI/G		U	1.00 PCI/G		U							1.00 PCI/G		UJ

SAMPLE NUMBER:	010450			010454			010449			121065			112241		
LAB:	IT			IT									IT/RSL		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			-			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		R	1.00 PCI/G		UJ							1.00 PCI/G		UJ
CESIUM-137	0.20 PCI/G		R	0.20 PCI/G		UJ							0.92 PCI/G	.176	-
GROSS ALPHA													22.40 PCI/G	9.36	J
GROSS BETA													32.30 PCI/G	8.3	J
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										420.00 UG/KG		U	400.00 UG/KG		U
1,2-DICHLOROBENZENE										420.00 UG/KG		U	400.00 UG/KG		U
1,3-DICHLOROBENZENE										420.00 UG/KG		U	400.00 UG/KG		U
1,4-DICHLOROBENZENE										420.00 UG/KG		U	400.00 UG/KG		U
2,4,5-TRICHLOROPHENOL										1100.00 UG/KG		U	980.00 UG/KG		U
2,4,6-TRICHLOROPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
2,4-DICHLOROPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
2,4-DIMETHYLPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
2,4-DINITROPHENOL										1100.00 UG/KG		U	980.00 UG/KG		UJ
2,4-DINITROTOLUENE										420.00 UG/KG		U	400.00 UG/KG		U
2,6-DINITROTOLUENE										420.00 UG/KG		U	400.00 UG/KG		U
2-CHLORONAPHTHALENE										420.00 UG/KG		U	400.00 UG/KG		U
2-CHLOROPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
2-METHYLNAPHTHALENE										420.00 UG/KG		U	400.00 UG/KG		U
2-METHYLPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
2-NITROANILINE										1100.00 UG/KG		U	980.00 UG/KG		UJ
2-NITROPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
3,3'-DICHLOROBENZIDINE										420.00 UG/KG		U	400.00 UG/KG		UJ
3-NITROANILINE										1100.00 UG/KG		U	980.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL										1100.00 UG/KG		U	980.00 UG/KG		UJ
4-BROMOPHENYL PHENYL ETHER										420.00 UG/KG		U	400.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL										420.00 UG/KG		U	400.00 UG/KG		UJ
4-CHLOROPHENYLPHENYL ETHER										420.00 UG/KG		U	400.00 UG/KG		U
4-METHYLPHENOL										420.00 UG/KG		U	400.00 UG/KG		U
4-NITROANILINE										1100.00 UG/KG		U	980.00 UG/KG		UJ
4-NITROPHENOL										1100.00 UG/KG		U	980.00 UG/KG		UJ
ACENAPHTHENE										420.00 UG/KG		U	400.00 UG/KG		U
ACENAPHTHYLENE										420.00 UG/KG		U	400.00 UG/KG		U
ANTHRACENE										420.00 UG/KG		U	400.00 UG/KG		U
BENZO(A)ANTHRACENE										420.00 UG/KG		U	400.00 UG/KG		U
BENZO(A)PYRENE										420.00 UG/KG		U	400.00 UG/KG		U
BENZO(B)FLUORANTHENE										420.00 UG/KG		U	400.00 UG/KG		U
BENZO(G,H,I)PERYLENE										420.00 UG/KG		U	400.00 UG/KG		U
BENZO(K)FLUORANTHENE										420.00 UG/KG		U	400.00 UG/KG		U
BENZOIC ACID										1100.00 UG/KG		U	980.00 UG/KG		UJ
BENZYL ALCOHOL										420.00 UG/KG		U	400.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE										420.00 UG/KG		U	400.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER										420.00 UG/KG		U	400.00 UG/KG		

SAMPLE NUMBER:	010450			010454			010449			121065			112241		
LAB:										TCT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER										420.00 UG/KG		U	400.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE										420.00 UG/KG		U	150.00 UG/KG		J
BUTYL BENZYL PHTHALATE										420.00 UG/KG		U	400.00 UG/KG		U
CARBAZOLE													400.00 UG/KG		U
CHRYSENE										420.00 UG/KG		U	400.00 UG/KG		U
DI-N-BUTYL PHTHALATE										420.00 UG/KG		U	400.00 UG/KG		U
DI-N-OCTYL PHTHALATE										420.00 UG/KG		U	400.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE										420.00 UG/KG		U	400.00 UG/KG		U
DIBENZOFURAN										420.00 UG/KG		U	400.00 UG/KG		U
DIETHYL PHTHALATE										420.00 UG/KG		U	400.00 UG/KG		U
DIMETHYL PHTHALATE										420.00 UG/KG		U	400.00 UG/KG		U
FLUORANTHENE										420.00 UG/KG		U	400.00 UG/KG		U
FLUORENE										420.00 UG/KG		U	400.00 UG/KG		U
HEXACHLOROBENZENE										420.00 UG/KG		U	400.00 UG/KG		U
HEXACHLOROBUTADIENE										420.00 UG/KG		U	400.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE										420.00 UG/KG		U	400.00 UG/KG		U
HEXACHLOROETHANE										420.00 UG/KG		U	400.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE										420.00 UG/KG		U	400.00 UG/KG		U
ISOPHORONE										420.00 UG/KG		U	400.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE										420.00 UG/KG		U	400.00 UG/KG		U
N-NITROSODIPHENYLAMINE										420.00 UG/KG		U	400.00 UG/KG		UJ
NAPHTHALENE										420.00 UG/KG		U	400.00 UG/KG		U
NITROBENZENE										420.00 UG/KG		U	400.00 UG/KG		U
P-CHLOROANILINE										420.00 UG/KG		U	400.00 UG/KG		UJ
PENTACHLOROPHENOL										1100.00 UG/KG		U	980.00 UG/KG		U
PHENANTHRENE										420.00 UG/KG		U	400.00 UG/KG		U
PHENOL										420.00 UG/KG		U	400.00 UG/KG		U
PYRENE										420.00 UG/KG		U	400.00 UG/KG		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE										13.00 UG/KG		U	12.00 UG/KG		UJ
1,1,2,2-TETRACHLOROETHANE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
1,1,2-TRICHLOROETHANE										13.00 UG/KG		U	12.00 UG/KG		UJ
1,1-DICHLOROETHANE										13.00 UG/KG		U	12.00 UG/KG		U
1,1-DICHLOROETHENE										13.00 UG/KG		U	12.00 UG/KG		U
1,2-DICHLOROETHANE										13.00 UG/KG		U	12.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)										13.00 UG/KG		U	12.00 UG/KG		U
1,2-DICHLOROPROPANE										13.00 UG/KG		U	12.00 UG/KG		UJ
2-BUTANONE										13.00 UG/KG		U	12.00 UG/KG		UJ
2-HEXANONE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
4-METHYL-2-PENTANONE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
ACETONE										13.00 UG/KG		UJ	12.00 UG/KG		UR
BENZENE										13.00 UG/KG		U	12.00 UG/KG		UJ
BROMODICHLOROMETHANE										13.00 UG/KG		U	12.00 UG/KG		UJ

SAMPLE NUMBER:	010450			010454			010449			121065			112241		
LAB:										TCT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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)
VOLATILES															
BROMOFORM										13.00 UG/KG		U	12.00 UG/KG		UJ
BROMOMETHANE										13.00 UG/KG		U	12.00 UG/KG		U
CARBON DISULFIDE										13.00 UG/KG		U	12.00 UG/KG		U
CARBON TETRACHLORIDE										13.00 UG/KG		U	12.00 UG/KG		UJ
CHLOROBENZENE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
CHLOROETHANE										13.00 UG/KG		U	12.00 UG/KG		U
CHLOROFORM										13.00 UG/KG		U	12.00 UG/KG		U
CHLOROMETHANE										13.00 UG/KG		U	12.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE										13.00 UG/KG		U	12.00 UG/KG		UJ
DIBROMOCHLOROMETHANE										13.00 UG/KG		U	12.00 UG/KG		UJ
ETHYLBENZENE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
METHYLENE CHLORIDE										13.00 UG/KG		U	12.00 UG/KG		U
STYRENE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
TETRACHLOROETHENE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
TOLUENE										13.00 UG/KG		UJ	12.00 UG/KG		UJ
TRANS-1,3-DICHLOROPROPENE										13.00 UG/KG		U	12.00 UG/KG		UJ
TRICHLOROETHENE										13.00 UG/KG		U	12.00 UG/KG		UJ
VINYL ACETATE										13.00 UG/KG		UJ			
VINYL CHLORIDE										13.00 UG/KG		U	12.00 UG/KG		U
XYLENES, TOTAL										13.00 UG/KG		UJ	12.00 UG/KG		UJ

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	112248	112249	112246	SL-24-190	SS-24-189
TASK:	20.03.05	20.03.05	20.03.05	CIS	CIS
LAB:	IT	IT	IT	WEMCO	TMA
WELL OR BORING NUMBER:	AFP-SD-03	AFP-SD-04	AFP-SD-06	CIS_SYSGEN_115	CIS_SYSGEN_115
DEPTH:	0-.5	0-.5	0-.5	.17-.5	0-.5
DATE COLLECTED:	13-MAY-93	13-MAY-93	13-MAY-93		
NORTH COORDINATE:	477194.96	477324.3	477497.26	478049.73	478049.73
EAST COORDINATE:	1380110.59	1380138.55	1379983.5	1379509.12	1379509.12
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	RE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	10400.00 MG/KG		-	5850.00 MG/KG		-	7630.00 MG/KG		-						
ANTIMONY	1.50 MG/KG		UJ	1.50 MG/KG		UJ	1.60 MG/KG		UJ						
ARSENIC	13.20 MG/KG		-	27.20 MG/KG		-	10.90 MG/KG		-						
BARIUM	82.70 MG/KG		J	109.00 MG/KG		J	71.10 MG/KG		J						
BERYLLIUM	1.50 MG/KG		-	2.10 MG/KG		-	1.40 MG/KG		-						
CADMIUM	0.74 MG/KG		-	0.52 MG/KG		U	0.75 MG/KG		-						
CALCIUM	9160.00 MG/KG		-	8910.00 MG/KG		-	49200.00 MG/KG		-						
CHROMIUM	13.40 MG/KG		-	9.00 MG/KG		-	11.60 MG/KG		-						
COBALT	10.20 MG/KG		-	10.60 MG/KG		-	9.70 MG/KG		-						
COPPER	19.90 MG/KG		-	23.00 MG/KG		-	22.20 MG/KG		-						
CYANIDE	0.13 MG/KG		UR	0.14 MG/KG		UR	0.16 MG/KG		UR						
IRON	16000.00 MG/KG		J	9470.00 MG/KG		J	15600.00 MG/KG		J						
LEAD	21.60 MG/KG		-	25.50 MG/KG		-	15.70 MG/KG		-						
MAGNESIUM	3650.00 MG/KG		-	2740.00 MG/KG		-	16100.00 MG/KG		-						
MANGANESE	302.00 MG/KG		J	334.00 MG/KG		J	433.00 MG/KG		J						
MERCURY	0.12 MG/KG		U	0.14 MG/KG		U	0.15 MG/KG		U						
MOLYBDENUM	2.20 MG/KG		-	2.30 MG/KG		-	1.70 MG/KG		-						
NICKEL	17.90 MG/KG		-	15.30 MG/KG		-	18.40 MG/KG		-						
POTASSIUM	1330.00 MG/KG		J	714.00 MG/KG		J	1120.00 MG/KG		J						
SELENIUM	0.94 MG/KG		UJ	1.90 MG/KG		J	0.48 MG/KG		UJ						
SILICON	1250.00 MG/KG		J	917.00 MG/KG		J	1090.00 MG/KG		J						
SILVER	0.51 MG/KG		U	0.52 MG/KG		U	0.63 MG/KG		U						
SODIUM	92.10 MG/KG		J	99.80 MG/KG		J	140.00 MG/KG		J						
THALLIUM	0.52 MG/KG		-	0.77 MG/KG		-	0.32 MG/KG		-						
VANADIUM	26.30 MG/KG		J	23.00 MG/KG		J	21.50 MG/KG		J						
ZINC	49.60 MG/KG		J	39.60 MG/KG		J	53.10 MG/KG		J						
PESTICIDES															
4,4'-DDD	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						

SAMPLE NUMBER:	112248			112249			112246			SL-24-190			SS-24-189		
LAB:	IT			IT			IT								
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-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															
4,4'-DDE	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
4,4'-DDT	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
ALDRIN	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
ALPHA-BHC	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
ALPHA-CHLORDANE	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
AROCLOR-1016	44.00 UG/KG		U	45.00 UG/KG		U	61.00 UG/KG		U						
AROCLOR-1221	90.00 UG/KG		U	92.00 UG/KG		U	120.00 UG/KG		U						
AROCLOR-1232	44.00 UG/KG		U	45.00 UG/KG		U	61.00 UG/KG		U						
AROCLOR-1242	44.00 UG/KG		U	45.00 UG/KG		U	61.00 UG/KG		U						
AROCLOR-1248	44.00 UG/KG		U	45.00 UG/KG		U	61.00 UG/KG		U						
AROCLOR-1254	44.00 UG/KG		U	45.00 UG/KG		U	61.00 UG/KG		U						
AROCLOR-1260	44.00 UG/KG		U	45.00 UG/KG		U	61.00 UG/KG		U						
BETA-BHC	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
DELTA-BHC	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
DIELDRIN	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
ENDOSULFAN II	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
ENDOSULFAN SULFATE	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
ENDOSULFAN-I	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
ENDRIN	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
ENDRIN ALDEHYDE	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
ENDRIN KETONE	4.40 UG/KG		U	4.50 UG/KG		U	6.10 UG/KG		U						
GAMMA-BHC (LINDANE)	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
GAMMA-CHLORDANE	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
HEPTACHLOR	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
HEPTACHLOR EPOXIDE	2.30 UG/KG		U	2.30 UG/KG		U	3.10 UG/KG		U						
METHOXYCHLOR	23.00 UG/KG		U	23.00 UG/KG		U	31.00 UG/KG		U						
TOXAPHENE	230.00 UG/KG		U	230.00 UG/KG		U	310.00 UG/KG		U						
RADIONUCLIDES															
URANIUM-238	3.11 PCI/G	.703	-	3.05 PCI/G	.7	-	2.90 PCI/G	.643	-	22.50 PCI/G		UNV	7.49 PCI/G	.456	-
URANIUM, TOTAL	10.70 MG/KG	4.11	-	10.20 MG/KG	3.97	-	11.30 MG/KG	3.32	-	67.05 MG/KG		NV	22.46 MG/KG	.456	-
URANIUM-234	2.83 PCI/G	.642	-	2.37 PCI/G	.555	-	2.77 PCI/G	.617	-				4.73 PCI/G	.363	-
THORIUM-230	1.55 PCI/G	.354	-	1.73 PCI/G	.482	-	1.47 PCI/G	.335	-				0.15 PCI/G	.0686	NV
RADIUM-226	1.38 PCI/G	.202	-	1.96 PCI/G	.25	-	1.32 PCI/G	.179	-	22.80 PCI/G	1.3	NV	32.30 PCI/G	1.5	NV
URANIUM-235/236	0.13 PCI/G	.061	J	0.17 PCI/G	.077	J	0.16 PCI/G	.067	J				0.28 PCI/G	.0876	-
THORIUM-232	1.23 PCI/G	.287	-	1.61 PCI/G	.454	-	0.88 PCI/G	.211	-	3.20 PCI/G		UNV	0.10 PCI/G	.0343	UJ
THORIUM, TOTAL	11.20 MG/KG	2.6	-	14.70 MG/KG	4.1	-	8.04 MG/KG	1.92	-	29.18 PCI/G		NV	0.91 PCI/G	.0343	UJ
RADIUM-228	1.29 PCI/G	.258	-	1.67 PCI/G	.306	-	0.91 PCI/G	.238	-						
THORIUM-228	1.09 PCI/G	.257	-	1.40 PCI/G	.408	-	0.82 PCI/G	.199	-				0.15 PCI/G	.0669	U
NEPTUNIUM-237	0.20 PCI/G	.035	UJ	0.20 PCI/G	.052	UJ	0.20 PCI/G	.031	UJ				0.20 PCI/G		U
PLUTONIUM-239/240	0.20 PCI/G	.0286	UJ	0.20 PCI/G	.0232	UJ	0.05 PCI/G	.0978	R				0.20 PCI/G	.0542	U
PLUTONIUM-238	0.20 PCI/G	.025	UJ	0.20 PCI/G	.0247	UJ	0.20 PCI/G	.0224	UJ				0.20 PCI/G	.0939	U
STRONTIUM-90	0.50 PCI/G		UJ	0.50 PCI/G		UJ	0.50 PCI/G		UJ				0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ				1.20 PCI/G		

SAMPLE NUMBER:	112248			112249			112246			SL-24-190			SS-24-189		
LAB:	IT/RSL			IT/RSL			IT/RSL						TMA		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			-			NONE-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)
RADIONUCLIDES															
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	7.30 PCI/G		UNV	2.49 PCI/G	3.374	NV
CESIUM-137	0.46 PCI/G	.114	-	0.20 PCI/G	.062	UJ	0.20 PCI/G	.063	UJ	1.30 PCI/G		UNV	2.39 PCI/G	.6986	NV
GROSS ALPHA	17.90 PCI/G	8.22	-	20.30 PCI/G	8.8	-	20.70 PCI/G	9	-						
GROSS BETA	25.70 PCI/G	7.06	-	25.60 PCI/G	7	-	31.50 PCI/G	8.01	-						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
1,2-DICHLOROBENZENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
1,3-DICHLOROBENZENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
1,4-DICHLOROBENZENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2,4,5-TRICHLOROPHENOL	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
2,4,6-TRICHLOROPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2,4-DICHLOROPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2,4-DIMETHYLPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2,4-DINITROPHENOL	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
2,4-DINITROTOLUENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2,6-DINITROTOLUENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2-CHLORONAPHTHALENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2-CHLOROPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2-METHYLNAPHTHALENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2-METHYLPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
2-NITROANILINE	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
2-NITROPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
3,3'-DICHLOROBENZIDINE	440.00 UG/KG		UJ	450.00 UG/KG		UJ	600.00 UG/KG		UJ						
3-NITROANILINE	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
4,6-DINITRO-2-METHYLPHENOL	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
4-BROMOPHENYL PHENYL ETHER	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
4-CHLORO-3-METHYLPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
4-CHLOROPHENYLPHENYL ETHER	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
4-METHYLPHENOL	440.00 UG/KG		U	450.00 UG/KG		U	1700.00 UG/KG		-						
4-NITROANILINE	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
4-NITROPHENOL	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
ACENAPHTHENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
ACENAPHTHYLENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
ANTHRACENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
BENZO(A)ANTHRACENE	440.00 UG/KG		U	110.00 UG/KG		J	600.00 UG/KG		U						
BENZO(A)PYRENE	440.00 UG/KG		U	120.00 UG/KG		J	600.00 UG/KG		U						
BENZO(B)FLUORANTHENE	440.00 UG/KG		U	180.00 UG/KG		J	600.00 UG/KG		U						
BENZO(G,H,I)PERYLENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
BENZO(K)FLUORANTHENE	440.00 UG/KG		U	73.00 UG/KG		J	600.00 UG/KG		U						
BENZOIC ACID	2200.00 UG/KG		U	120.00 UG/KG		J	680.00 UG/KG		J						
BENZYL ALCOHOL	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
BIS(2-CHLOROETHOXY)METHANE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
BIS(2-CHLOROETHYL)ETHER	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						

SAMPLE NUMBER:	112248			112249			112246			SL-24-190			SS-24-189		
LAB:	IT			IT			IT								
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
BIS(2-ETHYLHEXYL)PHTHALATE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
BUTYL BENZYL PHTHALATE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
CARBAZOLE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
CHRYSENE	440.00 UG/KG		U	150.00 UG/KG		J	600.00 UG/KG		U						
DI-N-BUTYL PHTHALATE	440.00 UG/KG		U	450.00 UG/KG		U	64.00 UG/KG		J						
DI-N-OCTYL PHTHALATE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
DIBENZO(A,H)ANTHRACENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
DIBENZOFURAN	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
DIETHYL PHTHALATE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
DIMETHYL PHTHALATE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
FLUORANTHENE	440.00 UG/KG		U	390.00 UG/KG		J	600.00 UG/KG		U						
FLUORENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
HEXACHLOROBENZENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
HEXACHLOROBUTADIENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
HEXACHLOROCYCLOPENTADIENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
HEXACHLOROETHANE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
INDENO(1,2,3-CD)PYRENE	440.00 UG/KG		U	74.00 UG/KG		J	600.00 UG/KG		U						
ISOPHORONE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
N-NITROSO-DI-N-PROPYLAMINE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
N-NITROSODIPHENYLAMINE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
NAPHTHALENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
NITROBENZENE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
P-CHLOROANILINE	440.00 UG/KG		U	450.00 UG/KG		U	600.00 UG/KG		U						
PENTACHLOROPHENOL	1100.00 UG/KG		U	1100.00 UG/KG		U	1500.00 UG/KG		U						
PHENANTHRENE	440.00 UG/KG		U	210.00 UG/KG		J	600.00 UG/KG		U						
PHENOL	440.00 UG/KG		U	450.00 UG/KG		U	230.00 UG/KG		J						
PYRENE	440.00 UG/KG		U	230.00 UG/KG		J	600.00 UG/KG		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
1,1,2,2-TETRACHLOROETHANE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		U						
1,1,2-TRICHLOROETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
1,1-DICHLOROETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
1,1-DICHLOROETHENE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		UJ						
1,2-DICHLOROETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
1,2-DICHLOROETHENE (TOTAL)	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
1,2-DICHLOROPROPANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
2-BUTANONE	14.00 UG/KG		UR	14.00 UG/KG		UR	19.00 UG/KG		UR						
2-HEXANONE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		UJ						
4-METHYL-2-PENTANONE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		UJ						
ACETONE	110.00 UG/KG		R	31.00 UG/KG		R	51.00 UG/KG		R						
BENZENE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
BROMODICHLOROMETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						

SAMPLE NUMBER:	112248			112249			112246			SL-24-190			SS-24-189		
LAB:	IT			IT			IT								
SUFFIX/FILTERFLAG:	NONE-NA			RE-NA			NONE-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)
VOLATILES															
BROMOFORM	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
BROMOMETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
CARBON DISULFIDE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
CARBON TETRACHLORIDE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
CHLOROBENZENE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		U						
CHLOROETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
CHLOROFORM	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
CHLOROMETHANE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		UJ						
CIS-1,3-DICHLOROPROPENE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
DIBROMOCHLOROMETHANE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
ETHYLBENZENE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		U						
METHYLENE CHLORIDE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
STYRENE	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		U						
TETRACHLOROETHENE	2.00 UG/KG		J	14.00 UG/KG		UJ	19.00 UG/KG		U						
TOLUENE	10.00 UG/KG		UJ	10.00 UG/KG		UJ	19.00 UG/KG		U						
TRANS-1,3-DICHLOROPROPENE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
TRICHLOROETHENE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
VINYL CHLORIDE	14.00 UG/KG		UJ	14.00 UG/KG		U	19.00 UG/KG		U						
XYLENES, TOTAL	14.00 UG/KG		UJ	14.00 UG/KG		UJ	19.00 UG/KG		U						

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	SL-24-191			SS-24-002			SL-24-109			SL-24-111			SS-25-007		
TASK:	CIS			CIS			CIS			CIS			CIS		
LAB:	WEMCO			WEMCO			WEMCO			WEMCO			WEMCO		
WELL OR BORING NUMBER:	CIS_SYSGEN_115			CIS_SYSGEN_116			CIS_SYSGEN_117			CIS_SYSGEN_117			CIS_SYSGEN_21		
DEPTH:	.5-1			0-.5			.16-.5			.5-1			0-.5		
DATE COLLECTED:															
NORTH COORDINATE:	478049.73			478052.97			478053.14			478053.14			477440.56		
EAST COORDINATE:	1379509.12			1379500.2			1379494.2			1379494.2			1379945.61		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
URANIUM-238	17.30 PCI/G	8.9	NV	6.10 PCI/G	3.4	NV	9.90 PCI/G	5.7	NV	23.40 PCI/G		UNV	10.10 PCI/G		UNV
URANIUM, TOTAL	51.55 MG/KG	8.9	NV	18.18 MG/KG	3.4	NV	29.50 MG/KG	5.7	NV	69.73 MG/KG		NV	30.10 MG/KG		NV
RADIUM-226	2.90 PCI/G	.5	NV	1.80 PCI/G	.6	NV	14.70 PCI/G	1	NV	13.10 PCI/G	1	NV	0.70 PCI/G	.3	NV
THORIUM-232	2.70 PCI/G		UNV	2.80 PCI/G		UNV	4.90 PCI/G		UNV	3.50 PCI/G		UNV	1.10 PCI/G	.4	NV
THORIUM, TOTAL	24.62 PCI/G		NV	25.54 PCI/G		NV	44.69 PCI/G		NV	31.92 PCI/G		NV	10.03 PCI/G	.4	NV
RUTHENIUM-106	5.30 PCI/G		UNV	4.10 PCI/G		UNV	7.40 PCI/G		UNV	10.10 PCI/G		UNV	1.00 PCI/G		UNV
CESIUM-137	0.80 PCI/G		UNV	0.30 PCI/G		UNV	0.80 PCI/G		UNV	0.60 PCI/G		UNV	0.20 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	SS-25-008	SL-25-002	SS-25-001	SL-25-005	SL-25-005D
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	WEMCO	WEMCO	WEMCO	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_21	CIS_SYSGEN_22	CIS_SYSGEN_22	CIS_SYSGEN_8	CIS_SYSGEN_8
DEPTH:	0-.5	.16-.5	0-.5	.16-.5	.16-.5
DATE COLLECTED:					
NORTH COORDINATE:	477440.56	477440.89	477440.89	477145.79	477145.79
EAST COORDINATE:	1379945.61	1379933.62	1379933.62	1379750.47	1379750.47
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					SL-25-005
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	2.80 PCI/G	1	NV	2.20 PCI/G	1.6	NV	10.50 PCI/G		UNV	13.90 PCI/G		UNV	2.20 PCI/G	1.6	NV
URANIUM, TOTAL	8.34 MG/KG	1	NV	6.56 MG/KG	1.6	NV	31.29 MG/KG		NV	41.42 MG/KG		NV	6.56 MG/KG	1.6	NV
RADIUM-226	0.80 PCI/G		UNV	0.40 PCI/G		UNV	0.60 PCI/G	.4	NV	0.90 PCI/G	.4	NV	1.40 PCI/G	.7	NV
THORIUM-232	0.80 PCI/G	.3	NV	0.60 PCI/G	.4	NV	0.70 PCI/G	.3	NV	2.20 PCI/G	.8	NV	1.40 PCI/G	.6	NV
THORIUM, TOTAL	7.30 PCI/G	.3	NV	5.47 PCI/G	.4	NV	6.38 PCI/G	.3	NV	20.06 PCI/G	.8	NV	12.77 PCI/G	.6	NV
RUTHENIUM-106	5.50 PCI/G		UNV	5.20 PCI/G		UNV	4.90 PCI/G		UNV	6.70 PCI/G		UNV	18.00 PCI/G		UNV
CESIUM-137	0.60 PCI/G		UNV	0.20 PCI/G		UNV	0.50 PCI/G		UNV	0.20 PCI/G		UNV	1.20 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	SS-25-004	SL-25-011	SS-25-010	111812	111830
TASK:	CIS	CIS	CIS	20.03.05	20.03.05
LAB:	WEMCO	WEMCO	WEMCO	IT/MWL	ITAS
WELL OR BORING NUMBER:	CIS_SYSGEN_8	CIS_SYSGEN_9	CIS_SYSGEN_9	IFP-SD-02	IFP-SD-02
DEPTH:	0-.5	.16-.5	0-.5	0-.5	0-.5
DATE COLLECTED:				17-APR-93	22-APR-93
NORTH COORDINATE:	477145.79	477159.46	477159.46	478085.08	478085.08
EAST COORDINATE:	1379750.47	1379725.84	1379725.84	1378871.52	1378871.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TOTAL ORGANIC CARBON													9272.00 MG/KG		-
INORGANICS															
ALUMINUM										4020.00 MG/KG		-			
ANTIMONY										1.20 MG/KG		UJ			
ARSENIC										5.40 MG/KG		-			
BARIUM										27.30 MG/KG		-			
BERYLLIUM										0.47 MG/KG		U			
CADMIUM										1.20 MG/KG		U			
CALCIUM										111000.00 MG/KG		-			
CHROMIUM										6.50 MG/KG		-			
COBALT										4.80 MG/KG		-			
COPPER										9.50 MG/KG		-			
CYANIDE										0.12 MG/KG		U			
IRON										10300.00 MG/KG		-			
LEAD										6.70 MG/KG		-			
MAGNESIUM										29600.00 MG/KG		-			
MANGANESE										386.00 MG/KG		-			
MERCURY										0.09 MG/KG		U			
MOLYBDENUM										4.70 MG/KG		U			
NICKEL										11.70 MG/KG		-			
POTASSIUM										650.00 MG/KG		-			
SELENIUM										0.47 MG/KG		U			
SILICON										767.00 MG/KG		-			
SILVER										2.40 MG/KG		U			
SODIUM										150.00 MG/KG		-			
THALLIUM										0.52 MG/KG		J			
VANADIUM										13.20 MG/KG		-			
ZINC										41.70 MG/KG		-			

SAMPLE NUMBER:	SS-25-004			SL-25-011			SS-25-010			111812			111830		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
4,4'-DDD										4.00 UG/KG		U			
4,4'-DDE										4.00 UG/KG		U			
4,4'-DDT										4.00 UG/KG		U			
ALDRIN										2.00 UG/KG		U			
ALPHA-BHC										2.00 UG/KG		U			
ALPHA-CHLORDANE										2.00 UG/KG		U			
AROCLOR-1016										40.00 UG/KG		U			
AROCLOR-1221										80.00 UG/KG		U			
AROCLOR-1232										40.00 UG/KG		U			
AROCLOR-1242										40.00 UG/KG		U			
AROCLOR-1248										40.00 UG/KG		U			
AROCLOR-1254										40.00 UG/KG		U			
AROCLOR-1260										40.00 UG/KG		U			
BETA-BHC										2.00 UG/KG		U			
DELTA-BHC										2.00 UG/KG		U			
DIELDRIN										4.00 UG/KG		U			
ENDOSULFAN II										4.00 UG/KG		U			
ENDOSULFAN SULFATE										4.00 UG/KG		U			
ENDOSULFAN-I										2.00 UG/KG		U			
ENDRIN										4.00 UG/KG		U			
ENDRIN ALDEHYDE										4.00 UG/KG		U			
ENDRIN KETONE										4.00 UG/KG		U			
GAMMA-BHC (LINDANE)										2.00 UG/KG		U			
GAMMA-CHLORDANE										2.00 UG/KG		U			
HEPTACHLOR										2.00 UG/KG		U			
HEPTACHLOR EPOXIDE										2.00 UG/KG		U			
METHOXYCHLOR										20.00 UG/KG		U			
TOXAPHENE										200.00 UG/KG		U			
RADIONUCLIDES															
URANIUM-238	10.80 PCI/G		UNV	3.00 PCI/G	1.5	NV	17.40 PCI/G		UNV	1.68 PCI/G	.39	-			
URANIUM, TOTAL	32.18 MG/KG		NV	8.94 MG/KG	1.5	NV	51.85 MG/KG		NV	12.00 MG/KG	2.8	J			
URANIUM-234										1.50 PCI/G	.35	-			
THORIUM-230										1.28 PCI/G	.35	J			
RADIUM-226	1.60 PCI/G	.4	NV	1.10 PCI/G	.5	NV	0.80 PCI/G	.3	NV	0.75 PCI/G	.14	-			
URANIUM-235/236										0.12 PCI/G	.06	J			
THORIUM-232	6.50 PCI/G		UNV	1.00 PCI/G	.6	NV	1.50 PCI/G	.4	NV	0.55 PCI/G	.182	J			
THORIUM, TOTAL	59.28 PCI/G		NV	9.12 PCI/G	.6	NV	13.68 PCI/G	.4	NV	5.04 MG/KG	1.66	-			
RADIUM-228										0.51 PCI/G	.18	-			
THORIUM-228										0.49 PCI/G	.17	J			
NEPTUNIUM-237										0.20 PCI/G	.03	U			
PLUTONIUM-239/240										0.20 PCI/G	.023	UJ			
PLUTONIUM-238										0.20 PCI/G	.05	U			
STRONTIUM-90										0.50 PCI/G	.298	UJ			

SAMPLE NUMBER:	SS-25-004			SL-25-011			SS-25-010			111812			111830		
LAB:										IT/RSL					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
RADIONUCLIDES															
TECHNETIUM-99										1.00 PCI/G		UJ			
RUTHENIUM-106	17.20 PCI/G		UNV	1.00 PCI/G		UNV	1.00 PCI/G		UNV	1.00 PCI/G		UJ			
CESIUM-137	0.90 PCI/G		UNV	0.90 PCI/G		UNV	0.20 PCI/G		UNV	0.20 PCI/G		UJ			
GROSS ALPHA										15.60 PCI/G	8	-			
GROSS BETA										17.60 PCI/G	6.1	-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										400.00 UG/KG		U			
1,2-DICHLOROBENZENE										400.00 UG/KG		U			
1,3-DICHLOROBENZENE										400.00 UG/KG		U			
1,4-DICHLOROBENZENE										400.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL										1900.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL										400.00 UG/KG		U			
2,4-DICHLOROPHENOL										400.00 UG/KG		U			
2,4-DIMETHYLPHENOL										400.00 UG/KG		U			
2,4-DINITROPHENOL										1900.00 UG/KG		UR			
2,4-DINITROTOLUENE										400.00 UG/KG		U			
2,6-DINITROTOLUENE										400.00 UG/KG		U			
2-CHLORONAPHTHALENE										400.00 UG/KG		U			
2-CHLOROPHENOL										400.00 UG/KG		U			
2-METHYLNAPHTHALENE										400.00 UG/KG		U			
2-METHYLPHENOL										400.00 UG/KG		U			
2-NITROANILINE										1900.00 UG/KG		U			
2-NITROPHENOL										400.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE										400.00 UG/KG		U			
3-NITROANILINE										1900.00 UG/KG		U			
4,6-DINITRO-2-METHYLPHENOL										1900.00 UG/KG		UR			
4-BROMOPHENYL PHENYL ETHER										400.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL										400.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER										400.00 UG/KG		U			
4-METHYLPHENOL										400.00 UG/KG		U			
4-NITROANILINE										1900.00 UG/KG		U			
4-NITROPHENOL										1900.00 UG/KG		UJ			
ACENAPHTHENE										400.00 UG/KG		U			
ACENAPHTHYLENE										400.00 UG/KG		U			
ANTHRACENE										400.00 UG/KG		U			
BENZO(A)ANTHRACENE										400.00 UG/KG		U			
BENZO(A)PYRENE										9.00 UG/KG		J			
BENZO(B)FLUORANTHENE										400.00 UG/KG		U			
BENZO(G,H,I)PERYLENE										400.00 UG/KG		U			
BENZO(K)FLUORANTHENE										400.00 UG/KG		U			
BENZOIC ACID										28.00 UG/KG		R			
BENZYL ALCOHOL										400.00 UG/KG		UJ			
BIS(2-CHLOROETHOXY)METHANE										400.00 UG/KG		U			

SAMPLE NUMBER:	SS-25-004			SL-25-011			SS-25-010			111812			111830		
LAB:										IT/MWL					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROETHYL)ETHER										400.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER										400.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE										59.00 UG/KG		J			
BUTYL BENZYL PHTHALATE										400.00 UG/KG		U			
CARBAZOLE										7.00 UG/KG		J			
CHRYSENE										400.00 UG/KG		U			
DI-N-BUTYL PHTHALATE										400.00 UG/KG		U			
DI-N-OCTYL PHTHALATE										2.00 UG/KG		J			
DIBENZO(A,H)ANTHRACENE										400.00 UG/KG		U			
DIBENZOFURAN										400.00 UG/KG		U			
DIETHYL PHTHALATE										14.00 UG/KG		U			
DIMETHYL PHTHALATE										400.00 UG/KG		U			
FLUORANTHENE										400.00 UG/KG		U			
FLUORENE										400.00 UG/KG		U			
HEXACHLOROBENZENE										400.00 UG/KG		U			
HEXACHLOROBUTADIENE										400.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE										400.00 UG/KG		UJ			
HEXACHLOROETHANE										400.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE										400.00 UG/KG		U			
ISOPHORONE										400.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE										400.00 UG/KG		U			
N-NITROSODIPHENYLAMINE										400.00 UG/KG		U			
NAPHTHALENE										400.00 UG/KG		U			
NITROBENZENE										400.00 UG/KG		U			
P-CHLOROANILINE										400.00 UG/KG		U			
PENTACHLOROPHENOL										1900.00 UG/KG		U			
PHENANTHRENE										400.00 UG/KG		U			
PHENOL										24.00 UG/KG		J			
PYRENE										400.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										12.00 UG/KG		U			
1,1,2,2-TETRACHLOROETHANE										12.00 UG/KG		U			
1,1,2-TRICHLOROETHANE										12.00 UG/KG		U			
1,1-DICHLOROETHANE										12.00 UG/KG		U			
1,1-DICHLOROETHENE										12.00 UG/KG		U			
1,2-DICHLOROETHANE										12.00 UG/KG		U			
1,2-DICHLOROETHENE (TOTAL)										12.00 UG/KG		U			
1,2-DICHLOROPROPANE										12.00 UG/KG		U			
2-BUTANONE										12.00 UG/KG		U			
2-HEXANONE										12.00 UG/KG		UJ			
4-METHYL-2-PENTANONE										12.00 UG/KG		U			
ACETONE										12.00 UG/KG		UJ			
BENZENE										12.00 UG/KG		U			

SAMPLE NUMBER:	SS-25-004			SL-25-011			SS-25-010			111812			111830		
LAB:										IT/MWL					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
BROMODICHLOROMETHANE										12.00 UG/KG		U			
BROMOFORM										12.00 UG/KG		U			
BROMOMETHANE										12.00 UG/KG		UJ			
CARBON DISULFIDE										12.00 UG/KG		U			
CARBON TETRACHLORIDE										12.00 UG/KG		U			
CHLOROBENZENE										12.00 UG/KG		U			
CHLOROETHANE										12.00 UG/KG		U			
CHLOROFORM										12.00 UG/KG		U			
CHLOROMETHANE										12.00 UG/KG		U			
CIS-1,3-DICHLOROPROPENE										12.00 UG/KG		U			
DIBROMOCHLOROMETHANE										12.00 UG/KG		U			
ETHYLBENZENE										12.00 UG/KG		U			
METHYLENE CHLORIDE										15.00 UG/KG		U			
STYRENE										12.00 UG/KG		U			
TETRACHLOROETHENE										12.00 UG/KG		U			
TOLUENE										12.00 UG/KG		U			
TRANS-1,3-DICHLOROPROPENE										12.00 UG/KG		U			
TRICHLOROETHENE										12.00 UG/KG		U			
VINYL ACETATE										12.00 UG/KG		UJ			
VINYL CHLORIDE										12.00 UG/KG		U			
XYLENES, TOTAL										12.00 UG/KG		U			

FERNALD ANALYTICAL REPORT
SOILS - OU2 - SOUTHFIELD AREA

SAMPLE NUMBER:	112021				
TASK:	20.03.05				
LAB:	IT-KNOX				
WELL OR BORING NUMBER:	IFP-SD-02				
DEPTH:	0-.5	-	-	-	-
DATE COLLECTED:	30-APR-93				
NORTH COORDINATE:	478085.08				
EAST COORDINATE:	1378871.52				
QA TYPE:	NORMAL				
QC OF:					
SUFFIX/FILTERFLAG:	NONE-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)
INORGANICS															
ALUMINUM	3130.00 MG/KG		-												
ANTIMONY	0.36 MG/KG		UJ												
ARSENIC	1.70 MG/KG		J												
BARIUM	16.50 MG/KG		J												
BERYLLIUM	0.24 MG/KG		U												
CADMIUM	0.67 MG/KG		-												
CALCIUM	105000.00 MG/KG		J												
CHROMIUM	4.90 MG/KG		-												
COBALT	3.10 MG/KG		-												
COPPER	9.30 MG/KG		-												
CYANIDE	0.16 MG/KG		J												
IRON	8110.00 MG/KG		J												
LEAD	4.10 MG/KG		J												
MAGNESIUM	22500.00 MG/KG		-												
MANGANESE	327.00 MG/KG		J												
MERCURY	0.11 MG/KG		U												
MOLYBDENUM	2.20 MG/KG		U												
NICKEL	6.60 MG/KG		-												
POTASSIUM	812.00 MG/KG		J												
SELENIUM	0.23 MG/KG		UJ												
SILICON	805.00 MG/KG		J												
SILVER	0.48 MG/KG		U												
SODIUM	175.00 MG/KG		-												
THALLIUM	0.23 MG/KG		U												
VANADIUM	12.50 MG/KG		J												
ZINC	29.00 MG/KG		J												
PESTICIDES															
4,4'-DDD	3.90 UG/KG		U												

SAMPLE NUMBER:	112021			-			-			-			-				
LAB:	IT-KNOX																
SUFFIX/FILTERFLAG:	NONE-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)	RESULT	SIGMA	VAL QUAL(1)
PESTICIDES																		
4,4'-DDE	3.90 UG/KG		U															
4,4'-DDT	3.90 UG/KG		U															
ALDRIN	2.00 UG/KG		U															
ALPHA-BHC	2.00 UG/KG		U															
ALPHA-CHLORDANE	2.00 UG/KG		U															
AROCLOR-1016	39.00 UG/KG		UJ															
AROCLOR-1221	80.00 UG/KG		UJ															
AROCLOR-1232	39.00 UG/KG		UJ															
AROCLOR-1242	39.00 UG/KG		UJ															
AROCLOR-1248	39.00 UG/KG		UJ															
AROCLOR-1254	39.00 UG/KG		UJ															
AROCLOR-1260	39.00 UG/KG		UJ															
BETA-BHC	2.00 UG/KG		U															
DELTA-BHC	2.00 UG/KG		U															
DIELDRIN	3.90 UG/KG		U															
ENDOSULFAN II	3.90 UG/KG		U															
ENDOSULFAN SULFATE	3.90 UG/KG		U															
ENDOSULFAN-I	2.00 UG/KG		U															
ENDRIN	3.90 UG/KG		U															
ENDRIN ALDEHYDE	3.90 UG/KG		U															
ENDRIN KETONE	3.90 UG/KG		U															
GAMMA-BHC (LINDANE)	2.00 UG/KG		U															
GAMMA-CHLORDANE	2.00 UG/KG		U															
HEPTACHLOR	2.00 UG/KG		U															
HEPTACHLOR EPOXIDE	2.00 UG/KG		U															
METHOXYCHLOR	20.00 UG/KG		UJ															
TOXAPHENE	200.00 UG/KG		UJ															
RADIONUCLIDES																		
URANIUM-238	0.72 PCI/G	.19	J															
URANIUM, TOTAL	12.30 MG/KG	3.1	J															
URANIUM-234	0.77 PCI/G	.2	J															
THORIUM-230	0.75 PCI/G	.24	-															
RADIUM-226	0.65 PCI/G	.12	J															
URANIUM-235/236	0.10 PCI/G	.038	UJ															
THORIUM-232	0.39 PCI/G	.154	J															
THORIUM, TOTAL	3.57 MG/KG	1.4	-															
RADIUM-228	0.67 PCI/G	.21	-															
THORIUM-228	0.42 PCI/G	.17	J															
NEPTUNIUM-237	0.20 PCI/G	.01945	UJ															
PLUTONIUM-239/240	0.20 PCI/G		UJ															
PLUTONIUM-238	0.20 PCI/G	.01941	UJ															
STRONTIUM-90	0.50 PCI/G		UJ															
TECHNETIUM-99	1.00 PCI/G		UJ															

SAMPLE NUMBER:	112021																
LAB:	IT																
SUFFIX/FILTERFLAG:	NONE-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)		
RADIONUCLIDES																	
RUTHENIUM-106	1.00 PCI/G		UJ														
CESIUM-137	0.20 PCI/G		UJ														
GROSS ALPHA	15.20 PCI/G	7.5	J														
GROSS BETA	16.30 PCI/G	5.35	J														
SEMIVOLATILES																	
1,2,4-TRICHLOROBENZENE	400.00 UG/KG		UJ														
1,2-DICHLOROBENZENE	400.00 UG/KG		U														
1,3-DICHLOROBENZENE	400.00 UG/KG		U														
1,4-DICHLOROBENZENE	400.00 UG/KG		U														
2,4,5-TRICHLOROPHENOL	960.00 UG/KG		U														
2,4,6-TRICHLOROPHENOL	400.00 UG/KG		U														
2,4-DICHLOROPHENOL	400.00 UG/KG		U														
2,4-DIMETHYLPHENOL	400.00 UG/KG		U														
2,4-DINITROPHENOL	960.00 UG/KG		UJ														
2,4-DINITROTOLUENE	400.00 UG/KG		U														
2,6-DINITROTOLUENE	400.00 UG/KG		U														
2-CHLORONAPHTHALENE	400.00 UG/KG		U														
2-CHLOROPHENOL	400.00 UG/KG		U														
2-METHYLNAPHTHALENE	400.00 UG/KG		U														
2-METHYLPHENOL	400.00 UG/KG		UJ														
2-NITROANILINE	960.00 UG/KG		U														
2-NITROPHENOL	400.00 UG/KG		U														
3,3'-DICHLOROBENZIDINE	400.00 UG/KG		U														
3-NITROANILINE	960.00 UG/KG		UJ														
4,6-DINITRO-2-METHYLPHENOL	960.00 UG/KG		U														
4-BROMOPHENYL PHENYL ETHER	400.00 UG/KG		U														
4-CHLORO-3-METHYLPHENOL	400.00 UG/KG		U														
4-CHLOROPHENYLPHENYL ETHER	400.00 UG/KG		U														
4-METHYLPHENOL	400.00 UG/KG		UJ														
4-NITROANILINE	960.00 UG/KG		UR														
4-NITROPHENOL	960.00 UG/KG		U														
ACENAPHTHENE	400.00 UG/KG		U														
ACENAPHTHYLENE	400.00 UG/KG		U														
ANTHRACENE	400.00 UG/KG		U														
BENZO(A)ANTHRACENE	400.00 UG/KG		U														
BENZO(A)PYRENE	400.00 UG/KG		U														
BENZO(B)FLUORANTHENE	400.00 UG/KG		U														
BENZO(G,H,I)PERYLENE	400.00 UG/KG		U														
BENZO(K)FLUORANTHENE	400.00 UG/KG		UJ														
BENZOIC ACID	1900.00 UG/KG		U														
BENZYL ALCOHOL	400.00 UG/KG		U														
BIS(2-CHLOROETHOXY)METHANE	400.00 UG/KG		U														
BIS(2-CHLOROETHYL)ETHER	400.00 UG/KG		U														

SAMPLE NUMBER:	112021			-			-			-			-		
LAB:	IT-KNOX														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
BIS(2-CHLOROISOPROPYL) ETHER	00.00 UG/KG		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	1200.00 UG/KG		-												
BUTYL BENZYL PHTHALATE	400.00 UG/KG		U												
CARBAZOLE	400.00 UG/KG		U												
CHRYSENE	400.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	400.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	400.00 UG/KG		U												
DIBENZO(A,H)ANTHRACENE	400.00 UG/KG		U												
DIBENZOFURAN	400.00 UG/KG		U												
DIETHYL PHTHALATE	400.00 UG/KG		UJ												
DIMETHYL PHTHALATE	400.00 UG/KG		U												
FLUORANTHENE	400.00 UG/KG		U												
FLUORENE	400.00 UG/KG		U												
HEXACHLOROBENZENE	400.00 UG/KG		U												
HEXACHLOROBUTADIENE	400.00 UG/KG		UR												
HEXACHLOROCYCLOPENTADIENE	400.00 UG/KG		U												
HEXACHLOROETHANE	400.00 UG/KG		U												
INDENO(1,2,3-CD)PYRENE	400.00 UG/KG		U												
ISOPHORONE	400.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	400.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	400.00 UG/KG		U												
NAPHTHALENE	400.00 UG/KG		U												
NITROBENZENE	400.00 UG/KG		U												
P-CHLOROANILINE	400.00 UG/KG		U												
PENTACHLOROPHENOL	960.00 UG/KG		U												
PHENANTHRENE	400.00 UG/KG		U												
PHENOL	400.00 UG/KG		U												
PYRENE	400.00 UG/KG		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	13.00 UG/KG		U												
1,1,2,2-TETRACHLOROETHANE	13.00 UG/KG		U												
1,1,2-TRICHLOROETHANE	13.00 UG/KG		U												
1,1-DICHLOROETHANE	13.00 UG/KG		U												
1,1-DICHLOROETHENE	13.00 UG/KG		U												
1,2-DICHLOROETHANE	13.00 UG/KG		U												
1,2-DICHLOROETHENE (TOTAL)	13.00 UG/KG		U												
1,2-DICHLOROPROPANE	13.00 UG/KG		U												
2-BUTANONE	13.00 UG/KG		U												
2-HEXANONE	13.00 UG/KG		U												
4-METHYL-2-PENTANONE	13.00 UG/KG		U												
ACETONE	13.00 UG/KG		U												
BENZENE	13.00 UG/KG		U												
BROMODICHLOROMETHANE	13.00 UG/KG		U												

SAMPLE NUMBER:	112021			-			-			-			-		
LAB:	IT-KNOX														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
BROMOFORM	13.00 UG/KG		U												
BROMOMETHANE	13.00 UG/KG		UJ												
CARBON DISULFIDE	13.00 UG/KG		U												
CARBON TETRACHLORIDE	13.00 UG/KG		U												
CHLOROBENZENE	13.00 UG/KG		U												
CHLOROETHANE	13.00 UG/KG		UJ												
CHLOROFORM	13.00 UG/KG		U												
CHLOROMETHANE	13.00 UG/KG		U												
CIS-1,3-DICHLOROPROPENE	13.00 UG/KG		U												
DIBROMOCHLOROMETHANE	13.00 UG/KG		U												
ETHYLBENZENE	13.00 UG/KG		U												
METHYLENE CHLORIDE	13.00 UG/KG		U												
STYRENE	13.00 UG/KG		U												
TETRACHLOROETHENE	13.00 UG/KG		U												
TOLUENE	13.00 UG/KG		U												
TRANS-1,3-DICHLOROPROPENE	13.00 UG/KG		U												
TRICHLOROETHENE	13.00 UG/KG		U												
VINYL CHLORIDE	13.00 UG/KG		U												
XYLENES, TOTAL	13.00 UG/KG		U												

OU4 - Silos

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	007407	008188	056014	056013	056015
TASK:	3.2	3.2	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1029	1072	1479	1479	1479
DEPTH:	13.5-15	0-1.5	9.8-10	4.8-5	14.6-15
DATE COLLECTED:	27-OCT-87	06-MAR-88	19-NOV-89	19-NOV-89	19-NOV-89
NORTH COORDINATE:	480826.11	481025.94	480802.84	480802.84	480802.84
EAST COORDINATE:	1378398.38	1378476.39	1378343.75	1378343.75	1378343.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	0.60 PCI/G	.2	-	15.00 PCI/G	2.3	-	0.79 PCI/G	.204	-	0.67 PCI/G	.163	-	0.72 PCI/G	.176	-
URANIUM, TOTAL	2.07 MG/KG	.2	-	44.98 MG/KG	2.3	-	2.01 MG/KG	1.21	-	2.67 MG/KG	1.32	-	3.00 MG/KG	2.23	-
URANIUM-234	0.60 PCI/G		U	3.40 PCI/G	.7	-	0.69 PCI/G	.189	-	0.65 PCI/G	.16	-	0.60 PCI/G		U
THORIUM-230	1.00 PCI/G	.3	J	4.80 PCI/G	.9	J	1.46 PCI/G	.28	-	1.48 PCI/G	.3	-	1.16 PCI/G	.23	-
RADIUM-226	0.60 PCI/G	.1	J	1.50 PCI/G	.1	J	0.66 PCI/G	.077	-	0.64 PCI/G	.078	-	0.30 PCI/G		U
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U
THORIUM-232	0.60 PCI/G		UJ	0.90 PCI/G	.3	J	0.65 PCI/G	.166	-	0.60 PCI/G		U	0.60 PCI/G		U
THORIUM, TOTAL	5.47 PCI/G		UJ	8.21 PCI/G	.3	NV	5.82 MG/KG	1.5	-	4.49 MG/KG	1.42	-	3.11 MG/KG	1	-
RADIUM-228	0.50 PCI/G	.1	UJ	1.00 PCI/G	.1	J	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U
THORIUM-228	0.60 PCI/G		UJ	1.20 PCI/G	.4	J	0.60 PCI/G		U	0.63 PCI/G	.178	-	0.60 PCI/G		U
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ
PLUTONIUM-239/240	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U
PLUTONIUM-238	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		UJ	0.50 PCI/G		UJ	0.50 PCI/G		U	0.50 PCI/G		U
TECHNETIUM-99	1.00 PCI/G		U	3.60 PCI/G	1.1	-	1.00 PCI/G		U	1.00 PCI/G	.498	U	1.00 PCI/G		U
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.20 PCI/G		U	0.20 PCI/G		U	0.20 PCI/G		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	056016	056018	056017	056021	056022
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1480	1480	1480	1481	1481
DEPTH:	4.8-5	14.7-15	9.9-10.3	14.6-15	15-15
DATE COLLECTED:	20-NOV-89	20-NOV-89	20-NOV-89	20-NOV-89	20-NOV-89
NORTH COORDINATE:	480827.84	480827.84	480827.84	480852.84	480852.84
EAST COORDINATE:	1378343.75	1378343.75	1378343.75	1378343.75	1378343.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM													4280.00 MG/KG		-
ANTIMONY													5.00 MG/KG		UJ
ARSENIC													3.20 MG/KG		-
BARIUM													27.70 MG/KG		-
BERYLLIUM													1.30 MG/KG		-
CADMIUM													4.10 MG/KG		J
CALCIUM													154000.00 MG/KG		-
CHROMIUM													16.80 MG/KG		J
COBALT													9.40 MG/KG		-
COPPER													1.90 MG/KG		-
CYANIDE													0.27 MG/KG		U
IRON													12500.00 MG/KG		J
LEAD													8.50 MG/KG		-
MAGNESIUM													30000.00 MG/KG		-
MANGANESE													446.00 MG/KG		-
MERCURY													0.11 MG/KG		UR
MOLYBDENUM													1.70 MG/KG		U
NICKEL													24.70 MG/KG		J
POTASSIUM													724.00 MG/KG		-
SELENIUM													0.32 MG/KG		UJ
SILVER													1.70 MG/KG		UJ
SODIUM													164.00 MG/KG		-
THALLIUM													0.16 MG/KG		U
VANADIUM													20.10 MG/KG		J
ZINC													39.80 MG/KG		UJ
ORGANOPHOSPHORUS															
DIMETHOATE													50.00 UG/KG		U
DISULFOTON													50.00 UG/KG		U

SAMPLE NUMBER:	056016			056018			056017			056021			056022		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
ORGANOPHOSPHORUS															
FAMPHUR													100.00 UG/KG		U
METHYL PARATHION													50.00 UG/KG		U
PARATHION													50.00 UG/KG		U
PHORATE													50.00 UG/KG		U
THIONAZIN													50.00 UG/KG		U
PESTICIDES															
4,4'-DDD													90.00 UG/KG		UR
4,4'-DDE													90.00 UG/KG		UR
4,4'-DDT													90.00 UG/KG		UR
ALDRIN													45.00 UG/KG		UR
ALPHA-BHC													45.00 UG/KG		UR
ALPHA-CHLORDANE													450.00 UG/KG		UR
AROCLOR-1016													450.00 UG/KG		UR
AROCLOR-1221													450.00 UG/KG		UR
AROCLOR-1232													450.00 UG/KG		UR
AROCLOR-1242													450.00 UG/KG		UR
AROCLOR-1248													450.00 UG/KG		UR
AROCLOR-1254													900.00 UG/KG		UR
AROCLOR-1260													900.00 UG/KG		UR
BETA-BHC													45.00 UG/KG		UR
DELTA-BHC													45.00 UG/KG		UR
DIELDRIN													90.00 UG/KG		UR
ENDOSULFAN II													90.00 UG/KG		UR
ENDOSULFAN SULFATE													90.00 UG/KG		UR
ENDOSULFAN-I													45.00 UG/KG		UR
ENDRIN													90.00 UG/KG		UR
ENDRIN KETONE													90.00 UG/KG		UR
GAMMA-BHC (LINDANE)													45.00 UG/KG		UR
GAMMA-CHLORDANE													450.00 UG/KG		UR
HEPTACHLOR													45.00 UG/KG		UR
HEPTACHLOR EPOXIDE													45.00 UG/KG		UR
METHOXYCHLOR													450.00 UG/KG		UR
SULFOTEP													50.00 UG/KG		U
TOXAPHENE													900.00 UG/KG		UR
RADIONUCLIDES															
URANIUM-238	0.76 PCI/G	.175	-	2.22 PCI/G	.34	-	0.60 PCI/G		U	0.81 PCI/G	.191	-			
URANIUM, TOTAL	4.00 MG/KG		U	7.76 MG/KG	2.64	-	2.53 MG/KG	1.81	-	2.42 MG/KG	1.92	-			
URANIUM-234	0.60 PCI/G		U	1.23 PCI/G	.22	-	0.65 PCI/G	.162	-	0.60 PCI/G		U			
THORIUM-230	0.91 PCI/G	.204	-	1.53 PCI/G	.29	-	1.05 PCI/G	.23	-	1.30 PCI/G	.27	-			
RADIUM-226	0.73 PCI/G	.127	-	0.30 PCI/G		U	0.70 PCI/G	.1	-	0.30 PCI/G		U			
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U			

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FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	056016			056018			056017			056021			056022		
LAB:	IT			IT			IT			IT					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
THORIUM-232	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U			
THORIUM, TOTAL	4.50 MG/KG	1.3	-	5.16 MG/KG	1.45	-	4.50 MG/KG	1.37	-	3.47 MG/KG	1.21	-			
RADIUM-228	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U			
THORIUM-228	0.60 PCI/G		U	0.60 PCI/G		U	0.74 PCI/G	.188	-	0.60 PCI/G		U			
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ	0.60 PCI/G		UJ			
PLUTONIUM-239/240	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U			
PLUTONIUM-238	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U			
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U			
TECHNETIUM-99	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U			
RUTHENIUM-106	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U	1.00 PCI/G		U			
CESIUM-137	0.20 PCI/G		U	0.20 PCI/G		U	0.20 PCI/G		U	0.20 PCI/G		U			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													370.00 UG/KG		UJ
1,2-DICHLOROBENZENE													370.00 UG/KG		U
1,3-DICHLOROBENZENE													370.00 UG/KG		U
1,4-DICHLOROBENZENE													370.00 UG/KG		U
2,4,5-TRICHLOROPHENOL													1800.00 UG/KG		U
2,4,6-TRICHLOROPHENOL													370.00 UG/KG		U
2,4-DICHLOROPHENOL													370.00 UG/KG		U
2,4-DIMETHYLPHENOL													370.00 UG/KG		U
2,4-DINITROPHENOL													1800.00 UG/KG		U
2,4-DINITROTOLUENE													370.00 UG/KG		U
2,6-DINITROTOLUENE													370.00 UG/KG		U
2-CHLORONAPHTHALENE													370.00 UG/KG		U
2-CHLOROPHENOL													370.00 UG/KG		U
2-METHYLNAPHTHALENE													370.00 UG/KG		U
2-METHYLPHENOL													370.00 UG/KG		U
2-NITROANILINE													1800.00 UG/KG		U
2-NITROPHENOL													370.00 UG/KG		U
3,3'-DICHLOROBENZIDINE													740.00 UG/KG		UJ
3-NITROANILINE													1800.00 UG/KG		U
4,6-DINITRO-2-METHYLPHENOL													1800.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER													370.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL													370.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER													370.00 UG/KG		U
4-METHYLPHENOL													370.00 UG/KG		U
4-NITROANILINE													1800.00 UG/KG		UJ
4-NITROPHENOL													1800.00 UG/KG		UJ
ACENAPHTHENE													370.00 UG/KG		U
ACENAPHTHYLENE													370.00 UG/KG		U
ANTHRACENE													370.00 UG/KG		U
BENZO(A)ANTHRACENE													370.00 UG/KG		U
BENZO(A)PYRENE													370.00 UG/KG		U

SAMPLE NUMBER:	056016			056018			056017			056021			056022		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
BENZO(B)FLUORANTHENE													370.00 UG/KG		U
BENZO(G,H,I)PERYLENE													370.00 UG/KG		U
BENZO(K)FLUORANTHENE													370.00 UG/KG		U
BENZOIC ACID													1800.00 UG/KG		U
BENZYL ALCOHOL													370.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE													370.00 UG/KG		UJ
BIS(2-CHLOROETHYL)ETHER													370.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHER													370.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE													370.00 UG/KG		U
BUTYL BENZYL PHTHALATE													370.00 UG/KG		U
CHRYSENE													370.00 UG/KG		U
DI-N-BUTYL PHTHALATE													370.00 UG/KG		U
DI-N-OCTYL PHTHALATE													370.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE													370.00 UG/KG		U
DIBENZOFURAN													370.00 UG/KG		U
DIETHYL PHTHALATE													370.00 UG/KG		U
DIMETHYL PHTHALATE													370.00 UG/KG		U
FLUORANTHENE													370.00 UG/KG		U
FLUORENE													370.00 UG/KG		U
HEXACHLOROBENZENE													370.00 UG/KG		U
HEXACHLOROBUTADIENE													370.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE													370.00 UG/KG		U
HEXACHLOROETHANE													370.00 UG/KG		U
INDENO(1,2,3-CD)PYRENE													370.00 UG/KG		U
ISOPHORONE													370.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE													370.00 UG/KG		U
N-NITROSODIPHENYLAMINE													370.00 UG/KG		U
NAPHTHALENE													370.00 UG/KG		U
NITROBENZENE													370.00 UG/KG		U
P-CHLOROANILINE													370.00 UG/KG		U
PENTACHLOROPHENOL													1800.00 UG/KG		U
PHENANTHRENE													370.00 UG/KG		U
PHENOL													370.00 UG/KG		U
PYRENE													370.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE													5.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													5.00 UG/KG		U
1,1,2-TRICHLOROETHANE													5.00 UG/KG		U
1,1-DICHLOROETHANE													5.00 UG/KG		UJ
1,1-DICHLOROETHENE													5.00 UG/KG		U
1,2-DICHLOROETHANE													5.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													5.00 UG/KG		U
1,2-DICHLOROPROPANE													5.00 UG/KG		U

SAMPLE NUMBER:	056016			056018			056017			056021			056022		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
2-BUTANONE													4.00 UG/KG		U
2-HEXANONE													11.00 UG/KG		UJ
4-METHYL-2-PENTANONE													11.00 UG/KG		UJ
ACETONE													8.00 UG/KG		U
BENZENE													5.00 UG/KG		U
BROMODICHLOROMETHANE													5.00 UG/KG		U
BROMOFORM													5.00 UG/KG		U
BROMOMETHANE													11.00 UG/KG		UJ
CARBON DISULFIDE													5.00 UG/KG		U
CARBON TETRACHLORIDE													5.00 UG/KG		U
CHLOROBENZENE													5.00 UG/KG		U
CHLOROETHANE													11.00 UG/KG		U
CHLOROFORM													15.00 UG/KG		-
CHLOROMETHANE													11.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE													5.00 UG/KG		U
DIBROMOCHLOROMETHANE													5.00 UG/KG		U
ETHYLBENZENE													5.00 UG/KG		U
METHYLENE CHLORIDE													6.00 UG/KG		-
STYRENE													5.00 UG/KG		U
TETRACHLOROETHENE													5.00 UG/KG		U
TOLUENE													5.00 UG/KG		U
TRANS-1,3-DICHLOROPROPENE													5.00 UG/KG		U
TRICHLOROETHENE													5.00 UG/KG		U
VINYL ACETATE													11.00 UG/KG		U
VINYL CHLORIDE													11.00 UG/KG		U
XYLENES, TOTAL													5.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	056019			056020			064003			064001			064002		
TASK:	3.7			3.7			40.03.01			40.03.01			40.03.01		
LAB:	IT			IT						IT			IT		
WELL OR BORING NUMBER:	1481			1481			1617			1617			1617		
DEPTH:	4.9-5.3			9.8-10.2			61-62.2			59.7-61			59.7-61		
DATE COLLECTED:	20-NOV-89			20-NOV-89			04-MAY-91			04-MAY-91			04-MAY-91		
NORTH COORDINATE:	480852.84			480852.84			480309.37			480309.37			480309.37		
EAST COORDINATE:	1378343.75			1378343.75			1378393.37			1378393.37			1378393.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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)
RADIONUCLIDES															
URANIUM-238	0.65 PCI/G	.183	-	0.64 PCI/G	.157	-				5.64 PCI/G	.802	-			
URANIUM, TOTAL	4.43 MG/KG	1.87	-	2.63 MG/KG	1.79	-				15.80 MG/KG	2.8	J			
URANIUM-234	0.73 PCI/G	.195	-	0.64 PCI/G	.157	-				5.60 PCI/G	.798	J			
THORIUM-230	1.06 PCI/G	.23	-	0.77 PCI/G	.165	-				0.88 PCI/G	.266	J			
RADIUM-226	0.30 PCI/G		UJ	0.30 PCI/G		U				0.61 PCI/G	.09	J			
LEAD-210													0.50 PCI/G		UJ
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U				0.60 PCI/G		UJ			
THORIUM-232	0.60 PCI/G		U	0.60 PCI/G		U				0.60 PCI/G		U			
THORIUM, TOTAL	4.77 MG/KG	1.4	-	2.72 MG/KG	.88	-				3.34 MG/KG	1.6	-			
RADIUM-228	0.50 PCI/G		UJ	0.50 PCI/G		U				0.50 PCI/G	.137	UJ			
THORIUM-228	0.70 PCI/G	.181	-	0.60 PCI/G		U				0.77 PCI/G	.248	J			
NEPTUNIUM-237	0.60 PCI/G		UJ	0.60 PCI/G		UJ				0.60 PCI/G		UJ			
PLUTONIUM-239/240	0.60 PCI/G		U	0.60 PCI/G		U				0.60 PCI/G		UJ			
PLUTONIUM-238	0.60 PCI/G		U	0.60 PCI/G		U				0.60 PCI/G		UJ			
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		U				0.50 PCI/G		U			
TECHNETIUM-99	1.00 PCI/G		U	1.00 PCI/G		U				1.00 PCI/G		U			
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		U				1.00 PCI/G		UJ			
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		U				0.20 PCI/G		UJ			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064102	064103	064105	064106	064107
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:	IT		IT	IT/RSL	
WELL OR BORING NUMBER:	1618	1618	1618	1618	1618
DEPTH:	47.5-48.5	47.5-48.5	50-51.2	50-51.2	51.2-52.5
DATE COLLECTED:	29-JUL-91	29-JUL-91	30-JUL-91	30-JUL-91	30-JUL-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480307.07
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	14100.00 MG/KG		-												
ANTIMONY	7.20 MG/KG		UJ												
ARSENIC	12.10 MG/KG		-												
BARIUM	93.80 MG/KG		J												
BERYLLIUM	0.89 MG/KG		-												
BORON	24.00 MG/KG		J												
CADMIUM	0.48 MG/KG		U												
CALCIUM	2600.00 MG/KG		J												
CHROMIUM	19.30 MG/KG		J												
COBALT	15.10 MG/KG		-												
COPPER	23.30 MG/KG		-												
CYANIDE	0.12 MG/KG		UJ												
IRON	32200.00 MG/KG		J												
LEAD	16.20 MG/KG		-												
MAGNESIUM	3780.00 MG/KG		-												
MANGANESE	684.00 MG/KG		J												
MERCURY	0.12 MG/KG		U												
MOLYBDENUM	14.70 MG/KG		-												
NICKEL	29.70 MG/KG		J												
POTASSIUM	901.00 MG/KG		-												
SELENIUM	0.48 MG/KG		U												
SILICON	514.00 MG/KG		J												
SILVER	2.40 MG/KG		U												
SODIUM	112.00 MG/KG		-												
THALLIUM	0.48 MG/KG		U												
VANADIUM	29.30 MG/KG		-												
ZINC	66.70 MG/KG		-												
PESTICIDES															

4,4'-DDD	19.00 UG/KG	U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064102			064103			064105			064106			064107		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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															
4,4'-DDE	19.00 UG/KG		U												
4,4'-DDT	19.00 UG/KG		U												
ALDRIN	9.70 UG/KG		U												
ALPHA-BHC	9.70 UG/KG		U												
ALPHA-CHLORDANE	97.00 UG/KG		U												
AROCLOR-1016	97.00 UG/KG		U												
AROCLOR-1221	97.00 UG/KG		U												
AROCLOR-1232	97.00 UG/KG		U												
AROCLOR-1242	97.00 UG/KG		U												
AROCLOR-1248	97.00 UG/KG		U												
AROCLOR-1254	190.00 UG/KG		U												
AROCLOR-1260	190.00 UG/KG		U												
BETA-BHC	9.70 UG/KG		U												
DELTA-BHC	9.70 UG/KG		U												
DIELDRIN	19.00 UG/KG		U												
ENDOSULFAN II	19.00 UG/KG		U												
ENDOSULFAN SULFATE	19.00 UG/KG		U												
ENDOSULFAN-I	9.70 UG/KG		U												
ENDRIN	19.00 UG/KG		U												
ENDRIN KETONE	19.00 UG/KG		U												
GAMMA-BHC (LINDANE)	9.70 UG/KG		U												
GAMMA-CHLORDANE	97.00 UG/KG		U												
HEPTACHLOR	9.70 UG/KG		U												
HEPTACHLOR EPOXIDE	9.70 UG/KG		U												
METHOXYCHLOR	97.00 UG/KG		U												
TOXAPHENE	190.00 UG/KG		U												
RADIONUCLIDES															
URANIUM-238							1.09 PCI/G	.2	-	1.09 PCI/G	.2	-			
URANIUM, TOTAL							4.76 MG/KG	3.12	J	4.76 MG/KG	3.12	J			
URANIUM-234							0.97 PCI/G	.19	-	0.97 PCI/G	.19	-			
THORIUM-230							1.76 PCI/G	.53	-	1.76 PCI/G	.53	-			
RADIUM-226							1.29 PCI/G	.16	J	1.29 PCI/G	.16	J			
LEAD-210							1.06 PCI/G	.5	J	1.06 PCI/G	.5	J			
POLONIUM-210							2.06 PCI/G	.86	J	2.06 PCI/G	.86	J			
URANIUM-235/236							0.60 PCI/G		U	0.60 PCI/G		U			
THORIUM-232							1.31 PCI/G	.45	-	1.31 PCI/G	.45	-			
THORIUM, TOTAL							11.80 MG/KG	.4	-	11.80 MG/KG	.4	-			
RADIUM-228							1.20 PCI/G	.25	J	1.20 PCI/G	.25	J			
THORIUM-228							1.10 PCI/G	.4	-	1.10 PCI/G	.4	-			
ACTINIUM-227							0.60 PCI/G		U	0.10 PCI/G		U			
PROTACTINIUM-231							2.10 PCI/G		UJ	2.10 PCI/G		UJ			
RADIUM-224							1.26 PCI/G	.18	J	1.26 PCI/G	.18	J			

SAMPLE NUMBER:	064102			064103			064105			064106			064107		
LAB:							IT			IT/RSL					
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-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)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	410.00 UG/KG		U												
1,2-DICHLOROBENZENE	410.00 UG/KG		U												
1,3-DICHLOROBENZENE	410.00 UG/KG		U												
1,4-DICHLOROBENZENE	410.00 UG/KG		U												
2,4,5-TRICHLOROPHENOL	2000.00 UG/KG		U												
2,4,6-TRICHLOROPHENOL	410.00 UG/KG		U												
2,4-DICHLOROPHENOL	410.00 UG/KG		U												
2,4-DIMETHYLPHENOL	410.00 UG/KG		U												
2,4-DINITROPHENOL	2000.00 UG/KG		U												
2,4-DINITROTOLUENE	410.00 UG/KG		U												
2,6-DINITROTOLUENE	410.00 UG/KG		U												
2-CHLORONAPHTHALENE	410.00 UG/KG		U												
2-CHLOROPHENOL	410.00 UG/KG		U												
2-METHYLNAPHTHALENE	410.00 UG/KG		U												
2-METHYLPHENOL	410.00 UG/KG		U												
2-NITROANILINE	2000.00 UG/KG		U												
2-NITROPHENOL	410.00 UG/KG		U												
3,3'-DICHLOROBENZIDINE	810.00 UG/KG		UJ												
3-NITROANILINE	2000.00 UG/KG		UJ												
4,6-DINITRO-2-METHYLPHENOL	2000.00 UG/KG		U												
4-BROMOPHENYL PHENYL ETHER	410.00 UG/KG		U												
4-CHLORO-3-METHYLPHENOL	410.00 UG/KG		U												
4-CHLOROPHENYLPHENYL ETHER	410.00 UG/KG		U												
4-METHYLPHENOL	410.00 UG/KG		U												
4-NITROANILINE	2000.00 UG/KG		UJ												
4-NITROPHENOL	2000.00 UG/KG		UJ												
ACENAPHTHENE	410.00 UG/KG		U												
ACENAPHTHYLENE	410.00 UG/KG		U												
ANTHRACENE	410.00 UG/KG		U												
BENZO(A)ANTHRACENE	410.00 UG/KG		U												
BENZO(A)PYRENE	410.00 UG/KG		U												
BENZO(B)FLUORANTHENE	410.00 UG/KG		U												
BENZO(G,H,I)PERYLENE	410.00 UG/KG		UJ												
BENZO(K)FLUORANTHENE	410.00 UG/KG		U												
BENZOIC ACID	2000.00 UG/KG		UJ												
BENZYL ALCOHOL	410.00 UG/KG		U												
BIS(2-CHLOROETHOXY)METHANE	410.00 UG/KG		U												
BIS(2-CHLOROETHYL)ETHER	410.00 UG/KG		U												
BIS(2-CHLOROISOPROPYL) ETHER	410.00 UG/KG		UJ												
BIS(2-ETHYLHEXYL)PHTHALATE	410.00 UG/KG		U												
BUTYL BENZYL PHTHALATE	410.00 UG/KG		U												
CHRYSENE	410.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	410.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	410.00 UG/KG		U												
DIBENZO(A,H)ANTHRACENE	410.00 UG/KG		U												

SAMPLE NUMBER:	064102			064103			064105			064106			064107		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
DIBENZOFURAN	410.00 UG/KG		U												
DIETHYL PHTHALATE	410.00 UG/KG		U												
DIMETHYL PHTHALATE	410.00 UG/KG		U												
FLUORANTHENE	410.00 UG/KG		U												
FLUORENE	410.00 UG/KG		U												
HEXACHLOROBENZENE	410.00 UG/KG		U												
HEXACHLOROBUTADIENE	410.00 UG/KG		U												
HEXACHLOROCYCLOPENTADIENE	410.00 UG/KG		U												
HEXACHLOROETHANE	410.00 UG/KG		UJ												
INDENO(1,2,3-CD)PYRENE	410.00 UG/KG		U												
ISOPHORONE	410.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	410.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	410.00 UG/KG		U												
NAPHTHALENE	410.00 UG/KG		U												
NITROBENZENE	410.00 UG/KG		U												
P-CHLOROANILINE	410.00 UG/KG		UJ												
PENTACHLOROPHENOL	2000.00 UG/KG		U												
PHENANTHRENE	410.00 UG/KG		U												
PHENOL	410.00 UG/KG		U												
PYRENE	410.00 UG/KG		U												
TRIBUTYL PHOSPHATE	410.00 UG/KG		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	6.00 UG/KG		U												
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		U												
1,1,2-TRICHLOROETHANE	6.00 UG/KG		U												
1,1-DICHLOROETHANE	6.00 UG/KG		U												
1,1-DICHLOROETHENE	6.00 UG/KG		U												
1,2-DICHLOROETHANE	6.00 UG/KG		U												
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		U												
1,2-DICHLOROPROPANE	6.00 UG/KG		U												
2-BUTANONE	12.00 UG/KG		U												
2-HEXANONE	12.00 UG/KG		U												
4-METHYL-2-PENTANONE	2.00 UG/KG		J												
ACETONE	34.00 UG/KG		U												
BENZENE	6.00 UG/KG		U												
BROMODICHLOROMETHANE	6.00 UG/KG		U												
BROMOFORM	6.00 UG/KG		U												
BROMOMETHANE	12.00 UG/KG		U												
CARBON DISULFIDE	6.00 UG/KG		U												
CARBON TETRACHLORIDE	6.00 UG/KG		U												
CHLOROBENZENE	6.00 UG/KG		U												
CHLOROETHANE	12.00 UG/KG		U												
CHLOROFORM	6.00 UG/KG		U												

SAMPLE NUMBER:	064102			064103			064105			064106			064107		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
CHLOROMETHANE	12.00 UG/KG		U												
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		U												
DIBROMOCHLOROMETHANE	6.00 UG/KG		U												
ETHYLBENZENE	6.00 UG/KG		U												
METHYLENE CHLORIDE	6.00 UG/KG		U												
STYRENE	6.00 UG/KG		U												
TETRACHLOROETHENE	6.00 UG/KG		U												
TOLUENE	6.00 UG/KG		U												
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		U												
TRICHLOROETHENE	6.00 UG/KG		U												
VINYL ACETATE	12.00 UG/KG		U												
VINYL CHLORIDE	12.00 UG/KG		U												
XYLENES, TOTAL	6.00 UG/KG		U												

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064112	064115	064116	064117	064123
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:	IT	IT	IT		IT
WELL OR BORING NUMBER:	1618	1618	1618	1618	1618
DEPTH:	67.5-70	70-71.2	70-71.2	71.2-72.5	87.5-90
DATE COLLECTED:	30-JUL-91	31-JUL-91	31-JUL-91	31-JUL-91	01-AUG-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480307.07
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	-	NONE-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)
INORGANICS															
ALUMINUM	7120.00 MG/KG		-										9330.00 MG/KG		-
ANTIMONY	7.70 MG/KG		UJ										7.10 MG/KG		UJ
ARSENIC	5.30 MG/KG		-										5.20 MG/KG		-
BARIUM	53.50 MG/KG		J										66.90 MG/KG		J
BERYLLIUM	0.51 MG/KG		U										0.66 MG/KG		-
CADMIUM	3.20 MG/KG		-										2.20 MG/KG		-
CALCIUM	86700.00 MG/KG		J										81700.00 MG/KG		J
CHROMIUM	22.10 MG/KG		J										24.90 MG/KG		J
COBALT	4.80 MG/KG		-										10.30 MG/KG		-
COPPER	17.70 MG/KG		-										22.20 MG/KG		-
CYANIDE	5.00 MG/KG		-										3.00 MG/KG		-
IRON	17600.00 MG/KG		J										23400.00 MG/KG		J
LEAD	12.00 MG/KG		-										9.30 MG/KG		-
MAGNESIUM	37800.00 MG/KG		-										27300.00 MG/KG		-
MANGANESE	235.00 MG/KG		J										462.00 MG/KG		J
MERCURY	0.13 MG/KG		J										0.11 MG/KG		J
MOLYBDENUM	10.50 MG/KG		-										20.20 MG/KG		-
NICKEL	17.80 MG/KG		J										28.60 MG/KG		J
POTASSIUM	830.00 MG/KG		-										1450.00 MG/KG		-
SELENIUM	0.51 MG/KG		U										16.10 MG/KG		-
SILVER	11.00 MG/KG		-										10.80 MG/KG		-
SODIUM	413.00 MG/KG		-										2730.00 MG/KG		-
THALLIUM	0.51 MG/KG		U										0.48 MG/KG		U
VANADIUM	24.10 MG/KG		-										27.40 MG/KG		-
ZINC	39.40 MG/KG		-										53.40 MG/KG		-
PESTICIDES															
4,4'-DDD	21.00 UG/KG		U										20.00 UG/KG		UR
4,4'-DDE	21.00 UG/KG		U										20.00 UG/KG		UR

000154

64116

SAMPLE NUMBER:	064112			064115			064116			064117			064123		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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															
4,4'-DDT	21.00 UG/KG		U										20.00 UG/KG		UR
ALDRIN	11.00 UG/KG		U										9.90 UG/KG		UR
ALPHA-BHC	11.00 UG/KG		U										9.90 UG/KG		UR
ALPHA-CHLORDANE	110.00 UG/KG		U										99.00 UG/KG		UR
AROCLOR-1016	110.00 UG/KG		U										99.00 UG/KG		UR
AROCLOR-1221	110.00 UG/KG		U										99.00 UG/KG		UR
AROCLOR-1232	110.00 UG/KG		U										99.00 UG/KG		UR
AROCLOR-1242	110.00 UG/KG		U										99.00 UG/KG		UR
AROCLOR-1248	110.00 UG/KG		U										99.00 UG/KG		UR
AROCLOR-1254	210.00 UG/KG		U										200.00 UG/KG		UR
AROCLOR-1260	210.00 UG/KG		U										200.00 UG/KG		UR
BETA-BHC	11.00 UG/KG		U										9.90 UG/KG		UR
DELTA-BHC	11.00 UG/KG		U										9.90 UG/KG		UR
DIELDRIN	21.00 UG/KG		U										20.00 UG/KG		UR
ENDOSULFAN II	21.00 UG/KG		U										20.00 UG/KG		UR
ENDOSULFAN SULFATE	21.00 UG/KG		U										20.00 UG/KG		UR
ENDOSULFAN-I	11.00 UG/KG		U										9.90 UG/KG		UR
ENDRIN	21.00 UG/KG		U										20.00 UG/KG		UR
ENDRIN KETONE	21.00 UG/KG		U										20.00 UG/KG		UR
GAMMA-BHC (LINDANE)	11.00 UG/KG		U										9.90 UG/KG		UR
GAMMA-CHLORDANE	110.00 UG/KG		U										99.00 UG/KG		UR
HEPTACHLOR	11.00 UG/KG		U										9.90 UG/KG		UR
HEPTACHLOR EPOXIDE	11.00 UG/KG		U										9.90 UG/KG		UR
METHOXYCHLOR	110.00 UG/KG		U										99.00 UG/KG		UR
TOXAPHENE	210.00 UG/KG		U										200.00 UG/KG		UR
RADIONUCLIDES															
URANIUM-238				3.75 PCI/G	.5	-	3.75 PCI/G	.5	-						
URANIUM, TOTAL				10.30 MG/KG	3.3	J	10.30 MG/KG	3.3	J						
URANIUM-234				3.59 PCI/G	.48	-	3.59 MG/KG	.48	-						
THORIUM-230				1.27 PCI/G	.44	J	1.27 PCI/G	.44	J						
RADIUM-226				0.75 PCI/G	.13	J	0.75 PCI/G	.13	J						
LEAD-210				0.73 PCI/G	.47	J	0.73 PCI/G	.47	J						
POLONIUM-210				2.37 PCI/G	1.32	-	2.37 PCI/G	1.32	-						
URANIUM-235/236				0.60 PCI/G		U	0.60 PCI/G		U						
THORIUM-232				0.76 PCI/G	.33	J	0.76 PCI/G	.33	J						
THORIUM, TOTAL				6.81 MG/KG	3.01	J	6.81 MG/KG	3.01	J						
RADIUM-228				0.94 PCI/G	.22	J	0.94 PCI/G	.22	J						
THORIUM-228				1.49 PCI/G	.48	J	1.49 PCI/G	.48	J						
ACTINIUM-227				0.60 PCI/G		UJ	0.60 PCI/G		UJ						
PROTACTINIUM-231				1.60 PCI/G		UJ	1.60 PCI/G		UJ						
RADIUM-224				0.98 PCI/G	.16	J	0.98 PCI/G	.16	J						

SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	430.00 UG/KG		U									410.00 UG/KG		U
SAMPLE NUMBER:	064112			064115			064116			064117			064123		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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)
SEMIVOLATILES															
1,2-DICHLOROBENZENE	430.00 UG/KG		U										410.00 UG/KG		U
1,3-DICHLOROBENZENE	430.00 UG/KG		U										410.00 UG/KG		U
1,4-DICHLOROBENZENE	430.00 UG/KG		U										410.00 UG/KG		U
2,4,5-TRICHLOROPHENOL	2100.00 UG/KG		U										2000.00 UG/KG		U
2,4,6-TRICHLOROPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
2,4-DICHLOROPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
2,4-DIMETHYLPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
2,4-DINITROPHENOL	2100.00 UG/KG		U										2000.00 UG/KG		U
2,4-DINITROTOLUENE	430.00 UG/KG		U										410.00 UG/KG		U
2,6-DINITROTOLUENE	430.00 UG/KG		U										410.00 UG/KG		U
2-CHLORONAPHTHALENE	430.00 UG/KG		U										410.00 UG/KG		U
2-CHLOROPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
2-METHYLNAPHTHALENE	430.00 UG/KG		U										410.00 UG/KG		U
2-METHYLPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
2-NITROANILINE	2100.00 UG/KG		UJ										2000.00 UG/KG		UJ
2-NITROPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
3,3'-DICHLOROBENZIDINE	860.00 UG/KG		UJ										820.00 UG/KG		UJ
3-NITROANILINE	2100.00 UG/KG		UJ										2000.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL	2100.00 UG/KG		U										2000.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER	430.00 UG/KG		U										410.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER	430.00 UG/KG		U										410.00 UG/KG		U
4-METHYLPHENOL	430.00 UG/KG		U										410.00 UG/KG		U
4-NITROANILINE	2100.00 UG/KG		UJ										2000.00 UG/KG		UJ
4-NITROPHENOL	2100.00 UG/KG		UJ										2000.00 UG/KG		UJ
ACENAPHTHENE	430.00 UG/KG		U										410.00 UG/KG		U
ACENAPHTHYLENE	430.00 UG/KG		U										410.00 UG/KG		U
ANTHRACENE	430.00 UG/KG		U										410.00 UG/KG		U
BENZO(A)ANTHRACENE	430.00 UG/KG		U										410.00 UG/KG		U
BENZO(A)PYRENE	430.00 UG/KG		U										410.00 UG/KG		U
BENZO(B)FLUORANTHENE	430.00 UG/KG		U										410.00 UG/KG		U
BENZO(G,H,I)PERYLENE	430.00 UG/KG		U										410.00 UG/KG		U
BENZO(K)FLUORANTHENE	430.00 UG/KG		U										410.00 UG/KG		U
BENZOIC ACID	85.00 UG/KG		UJ										70.00 UG/KG		UJ
BENZYL ALCOHOL	430.00 UG/KG		U										410.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE	430.00 UG/KG		U										410.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER	430.00 UG/KG		U										410.00 UG/KG		U
BIS(2-CHLOROISOPROPYL) ETHER	430.00 UG/KG		U										410.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE	430.00 UG/KG		U										120.00 UG/KG		J
BUTYL BENZYL PHTHALATE	430.00 UG/KG		U										410.00 UG/KG		U
CHRYSENE	430.00 UG/KG		U										410.00 UG/KG		U

SAMPLE NUMBER:	064112			064115			064116			064117			064123		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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)
SEMIVOLATILES															
DI-N-BUTYL PHTHALATE	430.00 UG/KG		U										410.00 UG/KG		U
DI-N-OCTYL PHTHALATE	430.00 UG/KG		U										410.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE	430.00 UG/KG		UJ										410.00 UG/KG		UJ
DIBENZOFURAN	430.00 UG/KG		U										410.00 UG/KG		U
DIETHYL PHTHALATE	430.00 UG/KG		U										410.00 UG/KG		U
DIMETHYL PHTHALATE	430.00 UG/KG		U										410.00 UG/KG		U
FLUORANTHENE	430.00 UG/KG		U										410.00 UG/KG		U
FLUORENE	430.00 UG/KG		U										410.00 UG/KG		U
HEXACHLOROBENZENE	430.00 UG/KG		U										410.00 UG/KG		U
HEXACHLOROBUTADIENE	430.00 UG/KG		U										410.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE	430.00 UG/KG		U										410.00 UG/KG		U
HEXACHLOROETHANE	430.00 UG/KG		UJ										410.00 UG/KG		UJ
INDENO(1,2,3-CD)PYRENE	430.00 UG/KG		U										410.00 UG/KG		U
ISOPHORONE	430.00 UG/KG		U										410.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE	430.00 UG/KG		U										410.00 UG/KG		U
N-NITROSODIPHENYLAMINE	430.00 UG/KG		U										410.00 UG/KG		U
NAPHTHALENE	430.00 UG/KG		UJ										410.00 UG/KG		UJ
NITROBENZENE	430.00 UG/KG		U										410.00 UG/KG		U
P-CHLOROANILINE	430.00 UG/KG		UJ										410.00 UG/KG		UJ
PENTACHLOROPHENOL	2100.00 UG/KG		U										2000.00 UG/KG		U
PHENANTHRENE	430.00 UG/KG		U										410.00 UG/KG		U
PHENOL	430.00 UG/KG		U										410.00 UG/KG		U
PYRENE	430.00 UG/KG		U										410.00 UG/KG		U
TRIBUTYL PHOSPHATE	430.00 UG/KG		U										410.00 UG/KG		U
VOLATILES															
1,1,1-TRICHLOROETHANE	6.00 UG/KG		U										6.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		U										6.00 UG/KG		U
1,1,2-TRICHLOROETHANE	6.00 UG/KG		U										6.00 UG/KG		U
1,1-DICHLOROETHANE	6.00 UG/KG		U										6.00 UG/KG		U
1,1-DICHLOROETHENE	6.00 UG/KG		U										6.00 UG/KG		U
1,2-DICHLOROETHANE	6.00 UG/KG		U										6.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		U										6.00 UG/KG		U
1,2-DICHLOROPROPANE	6.00 UG/KG		U										6.00 UG/KG		U
2-BUTANONE	10.00 UG/KG		U										12.00 UG/KG		UJ
2-HEXANONE	13.00 UG/KG		UJ										12.00 UG/KG		UJ
4-METHYL-2-PENTANONE	13.00 UG/KG		U										12.00 UG/KG		U
ACETONE	22.00 UG/KG		J										12.00 UG/KG		UJ
BENZENE	6.00 UG/KG		U										6.00 UG/KG		U
BROMODICHLOROMETHANE	6.00 UG/KG		U										6.00 UG/KG		U
BROMOFORM	6.00 UG/KG		R										6.00 UG/KG		U
BROMOMETHANE	13.00 UG/KG		U										12.00 UG/KG		U
CARBON DISULFIDE	6.00 UG/KG		U										6.00 UG/KG		U
CARBON TETRACHLORIDE	6.00 UG/KG		U										6.00 UG/KG		U

SAMPLE NUMBER:	064112			064115			064116			064117			064123		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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)
VOLATILES															
CHLOROBENZENE	6.00 UG/KG		U										6.00 UG/KG		U
CHLOROETHANE	13.00 UG/KG		U										12.00 UG/KG		U
CHLOROFORM	6.00 UG/KG		U										6.00 UG/KG		U
CHLOROMETHANE	13.00 UG/KG		UJ										12.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		U										6.00 UG/KG		U
DIBROMOCHLOROMETHANE	6.00 UG/KG		U										6.00 UG/KG		U
ETHYLBENZENE	6.00 UG/KG		U										6.00 UG/KG		U
METHYLENE CHLORIDE	6.00 UG/KG		U										5.00 UG/KG		U
STYRENE	6.00 UG/KG		U										6.00 UG/KG		U
TETRACHLOROETHENE	6.00 UG/KG		U										6.00 UG/KG		U
TOLUENE	2.00 UG/KG		U										2.00 UG/KG		U
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		U										6.00 UG/KG		U
TRICHLOROETHENE	6.00 UG/KG		U										6.00 UG/KG		U
VINYL ACETATE	13.00 UG/KG		U										12.00 UG/KG		U
VINYL CHLORIDE	13.00 UG/KG		U										12.00 UG/KG		U
XYLENES, TOTAL	6.00 UG/KG		U										6.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064158	064125	064126	064127	064134
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:	INORGANICS-EPM	IT	IT		IT
WELL OR BORING NUMBER:	1618	1618	1618	1618	1618
DEPTH:	85-90	90-91.2	90-91.2	91.2-92.5	105-107.
DATE COLLECTED:	13-AUG-93	01-AUG-91	01-AUG-91	01-AUG-91	02-AUG-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480307.07
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	-	NONE-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)
INORGANICS															
ALUMINUM													10000.00 MG/KG		-
ANTIMONY													7.20 MG/KG		UJ
ARSENIC													3.00 MG/KG		-
BARIUM													75.70 MG/KG		J
BERYLLIUM													0.63 MG/KG		-
CADMIUM													1.60 MG/KG		-
CALCIUM													71400.00 MG/KG		J
CHROMIUM													25.20 MG/KG		J
COBALT													12.00 MG/KG		-
COPPER													22.40 MG/KG		-
CYANIDE													3.00 MG/KG		-
IRON													29800.00 MG/KG		J
LEAD													10.50 MG/KG		-
MAGNESIUM													23700.00 MG/KG		-
MANGANESE													399.00 MG/KG		J
MERCURY													0.11 MG/KG		J
MOLYBDENUM													29.90 MG/KG		-
NICKEL													29.00 MG/KG		J
POTASSIUM													1560.00 MG/KG		-
SELENIUM													0.49 MG/KG		U
SILVER													9.60 MG/KG		-
SODIUM													2280.00 MG/KG		-
THALLIUM													0.49 MG/KG		U
VANADIUM													27.10 MG/KG		-
ZINC													61.00 MG/KG		-
PESTICIDES															
4,4'-DDD													20.00 UG/KG		U
4,4'-DDE													20.00 UG/KG		U

SAMPLE NUMBER:	064158			064125			064126			064127			064134		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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															
4,4'-DDT													20.00 UG/KG		U
ALDRIN													10.00 UG/KG		U
ALPHA-BHC													10.00 UG/KG		U
ALPHA-CHLORDANE													100.00 UG/KG		U
AROCLOR-1016													100.00 UG/KG		U
AROCLOR-1221													100.00 UG/KG		U
AROCLOR-1232													100.00 UG/KG		U
AROCLOR-1242													100.00 UG/KG		U
AROCLOR-1248													100.00 UG/KG		U
AROCLOR-1254													200.00 UG/KG		U
AROCLOR-1260													200.00 UG/KG		U
BETA-BHC													10.00 UG/KG		U
DELTA-BHC													10.00 UG/KG		U
DIELDRIN													20.00 UG/KG		U
ENDOSULFAN II													20.00 UG/KG		U
ENDOSULFAN SULFATE													20.00 UG/KG		U
ENDOSULFAN-I													10.00 UG/KG		U
ENDRIN													20.00 UG/KG		U
ENDRIN KETONE													20.00 UG/KG		U
GAMMA-BHC (LINDANE)													10.00 UG/KG		U
GAMMA-CHLORDANE													100.00 UG/KG		U
HEPTACHLOR													10.00 UG/KG		U
HEPTACHLOR EPOXIDE													10.00 UG/KG		U
METHOXYCHLOR													100.00 UG/KG		U
TOXAPHENE													200.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238				33.50 PCI/G	4.4	-	33.50 PCI/G	4.4	-						
URANIUM, TOTAL	110.00 MG/KG		NV	79.40 MG/KG	9.1	J	79.40 MG/KG	9.1	J						
URANIUM-234				34.60 PCI/G	4.5	-	34.60 PCI/G	4.5	-						
THORIUM-230				1.82 PCI/G	.51	J	1.82 PCI/G	.51	J						
RADIUM-226				0.97 PCI/G	.13	J	0.97 PCI/G	.13	J						
LEAD-210				6.90 PCI/G		UJ	6.90 PCI/G		UJ						
POLONIUM-210				1.26 PCI/G	.89	-	1.26 PCI/G	.89	-						
URANIUM-235/236				3.17 PCI/G	.74	-	3.17 PCI/G	.74	-						
THORIUM-232				1.34 PCI/G	.41	J	1.34 PCI/G	.41	J						
THORIUM, TOTAL				12.10 MG/KG	3.7	J	12.10 MG/KG	3.7	J						
RADIUM-228				0.84 PCI/G	.18	J	0.84 PCI/G	.18	J						
THORIUM-228				1.68 PCI/G	.48	J	1.68 PCI/G	.48	J						
ACTINIUM-227				0.56 PCI/G	.27	J	0.56 PCI/G	.27	J						
PROTACTINIUM-231				1.80 PCI/G		UJ	1.80 PCI/G		UJ						
RADIUM-224				0.97 PCI/G	.15	J	0.97 PCI/G	.15	J						

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6416

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 410.00 UG/KG U
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064158			064125			064126			064127			064134		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
1,2-DICHLOROBENZENE													410.00 UG/KG		U
1,3-DICHLOROBENZENE													410.00 UG/KG		U
1,4-DICHLOROBENZENE													410.00 UG/KG		U
2,4,5-TRICHLOROPHENOL													2000.00 UG/KG		U
2,4,6-TRICHLOROPHENOL													430.00 UG/KG		U
2,4-DICHLOROPHENOL													410.00 UG/KG		U
2,4-DIMETHYLPHENOL													410.00 UG/KG		U
2,4-DINITROPHENOL													2000.00 UG/KG		U
2,4-DINITROTOLUENE													410.00 UG/KG		U
2,6-DINITROTOLUENE													410.00 UG/KG		U
2-CHLORONAPHTHALENE													410.00 UG/KG		U
2-CHLOROPHENOL													410.00 UG/KG		U
2-METHYLNAPHTHALENE													410.00 UG/KG		U
2-METHYLPHENOL													410.00 UG/KG		U
2-NITROANILINE													2000.00 UG/KG		UJ
2-NITROPHENOL													410.00 UG/KG		U
3,3'-DICHLOROBENZIDINE													810.00 UG/KG		UJ
3-NITROANILINE													2000.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL													2000.00 UG/KG		U
4-BROMOPHENYL PHENYL ETHER													410.00 UG/KG		U
4-CHLORO-3-METHYLPHENOL													410.00 UG/KG		U
4-CHLOROPHENYLPHENYL ETHER													410.00 UG/KG		U
4-METHYLPHENOL													410.00 UG/KG		U
4-NITROANILINE													2000.00 UG/KG		UJ
4-NITROPHENOL													2000.00 UG/KG		UJ
ACENAPHTHENE													410.00 UG/KG		U
ACENAPHTHYLENE													410.00 UG/KG		U
ANTHRACENE													410.00 UG/KG		U
BENZO(A)ANTHRACENE													410.00 UG/KG		U
BENZO(A)PYRENE													410.00 UG/KG		U
BENZO(B)FLUORANTHENE													410.00 UG/KG		U
BENZO(G,H,I)PERYLENE													410.00 UG/KG		U
BENZO(K)FLUORANTHENE													410.00 UG/KG		U
BENZOIC ACID													49.00 UG/KG		U
BENZYL ALCOHOL													410.00 UG/KG		U
BIS(2-CHLOROETHOXY)METHANE													410.00 UG/KG		U
BIS(2-CHLOROETHYL)ETHER													400.00 UG/KG		UR
BIS(2-CHLOROISOPROPYL) ETHER													410.00 UG/KG		U
BIS(2-ETHYLHEXYL)PHTHALATE													400.00 UG/KG		UR
BUTYL BENZYL PHTHALATE													410.00 UG/KG		U
CHRYSENE													410.00 UG/KG		U

SAMPLE NUMBER:	064158			064125			064126			064127			064134		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
DI-N-BUTYL PHTHALATE													410.00 UG/KG		U
DI-N-OCTYL PHTHALATE													410.00 UG/KG		U
DIBENZO(A,H)ANTHRACENE													410.00 UG/KG		UJ
DIBENZOFURAN													410.00 UG/KG		U
DIETHYL PHTHALATE													410.00 UG/KG		U
DIMETHYL PHTHALATE													410.00 UG/KG		U
FLUORANTHENE													410.00 UG/KG		U
FLUORENE													410.00 UG/KG		U
HEXACHLOROBENZENE													410.00 UG/KG		U
HEXACHLOROBUTADIENE													410.00 UG/KG		U
HEXACHLOROCYCLOPENTADIENE													410.00 UG/KG		U
HEXACHLOROETHANE													410.00 UG/KG		UJ
INDENO(1,2,3-CD)PYRENE													410.00 UG/KG		U
ISOPHORONE													410.00 UG/KG		U
N-NITROSO-DI-N-PROPYLAMINE													410.00 UG/KG		U
N-NITROSODIPHENYLAMINE													410.00 UG/KG		U
NAPHTHALENE													410.00 UG/KG		UJ
NITROBENZENE													410.00 UG/KG		U
P-CHLOROANILINE													410.00 UG/KG		UJ
PENTACHLOROPHENOL													2000.00 UG/KG		U
PHENANTHRENE													410.00 UG/KG		U
PHENOL													410.00 UG/KG		U
PYRENE													410.00 UG/KG		U
TRIBUTYL PHOSPHATE													400.00 UG/KG		UR
VOLATILES															
1,1,1-TRICHLOROETHANE													6.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													6.00 UG/KG		U
1,1,2-TRICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHENE													6.00 UG/KG		U
1,2-DICHLOROETHANE													6.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													6.00 UG/KG		U
1,2-DICHLOROPROPANE													6.00 UG/KG		U
2-BUTANONE													12.00 UG/KG		UJ
2-HEXANONE													12.00 UG/KG		UJ
4-METHYL-2-PENTANONE													12.00 UG/KG		U
ACETONE													14.00 UG/KG		UJ
BENZENE													6.00 UG/KG		U
BROMODICHLOROMETHANE													6.00 UG/KG		U
BROMOFORM													6.00 UG/KG		U
BROMOMETHANE													12.00 UG/KG		U
CARBON DISULFIDE													6.00 UG/KG		U
CARBON TETRACHLORIDE													6.00 UG/KG		U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064158			064125			064126			064127			064134		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
CHLOROBENZENE													6.00 UG/KG		U
CHLOROETHANE													12.00 UG/KG		U
CHLOROFORM													6.00 UG/KG		U
CHLOROMETHANE													12.00 UG/KG		UJ
CIS-1,3-DICHLOROPROPENE													6.00 UG/KG		U
DIBROMOCHLOROMETHANE													6.00 UG/KG		U
ETHYLBENZENE													6.00 UG/KG		U
METHYLENE CHLORIDE													6.00 UG/KG		U
STYRENE													6.00 UG/KG		U
TETRACHLOROETHENE													6.00 UG/KG		U
TOLUENE													6.00 UG/KG		U
TRANS-1,3-DICHLOROPROPENE													3.00 UG/KG		U
TRICHLOROETHENE													6.00 UG/KG		U
VINYL ACETATE													6.00 UG/KG		U
VINYL CHLORIDE													12.00 UG/KG		U
XYLENES, TOTAL													12.00 UG/KG		U
													6.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064136	064137	064138	064159	064146
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:	IT	IT		INORGANICS-EPM	IT
WELL OR BORING NUMBER:	1618	1618	1618	1618	1618
DEPTH:	105-107.	107.-108.	108.-110	100-105	125-127.
DATE COLLECTED:	02-AUG-91	02-AUG-91	02-AUG-91	13-AUG-93	03-AUG-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480307.07
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	-	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM													8800.00 MG/KG		-
ANTIMONY													7.40 MG/KG		UJ
ARSENIC													3.50 MG/KG		-
BARIUM													49.00 MG/KG		J
BERYLLIUM													0.65 MG/KG		-
CADMIUM													3.00 MG/KG		-
CALCIUM													91900.00 MG/KG		J
CHROMIUM													24.90 MG/KG		J
COBALT													9.00 MG/KG		-
COPPER													21.40 MG/KG		-
CYANIDE													0.12 MG/KG		U
IRON													18500.00 MG/KG		J
LEAD													8.90 MG/KG		-
MAGNESIUM													33200.00 MG/KG		J
MANGANESE													377.00 MG/KG		J
MERCURY													0.12 MG/KG		U
MOLYBDENUM													9.70 MG/KG		-
NICKEL													24.20 MG/KG		J
POTASSIUM													1890.00 MG/KG		-
SELENIUM													0.56 MG/KG		J
SILVER													11.60 MG/KG		-
SODIUM													688.00 MG/KG		-
THALLIUM													0.49 MG/KG		U
VANADIUM													26.50 MG/KG		-
ZINC													50.00 MG/KG		-
PESTICIDES															
4,4'-DDD													20.00 UG/KG		UJ
4,4'-DDE													20.00 UG/KG		UJ

000164

6416

SAMPLE NUMBER:	064136			064137			064138			064159			064146		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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															
4,4'-DDT													20.00 UG/KG		UJ
ALDRIN													10.00 UG/KG		UJ
ALPHA-BHC													10.00 UG/KG		UJ
ALPHA-CHLORDANE													100.00 UG/KG		UJ
AROCLOR-1016													100.00 UG/KG		UJ
AROCLOR-1221													100.00 UG/KG		UJ
AROCLOR-1232													100.00 UG/KG		UJ
AROCLOR-1242													100.00 UG/KG		UJ
AROCLOR-1248													100.00 UG/KG		UJ
AROCLOR-1254													200.00 UG/KG		UJ
AROCLOR-1260													200.00 UG/KG		UJ
BETA-BHC													10.00 UG/KG		UJ
DELTA-BHC													10.00 UG/KG		UJ
DIELDRIN													20.00 UG/KG		UJ
ENDOSULFAN II													20.00 UG/KG		UJ
ENDOSULFAN SULFATE													20.00 UG/KG		UJ
ENDOSULFAN-I													10.00 UG/KG		UJ
ENDRIN													20.00 UG/KG		UJ
ENDRIN KETONE													20.00 UG/KG		UJ
GAMMA-BHC (LINDANE)													10.00 UG/KG		UJ
GAMMA-CHLORDANE													100.00 UG/KG		UJ
HEPTACHLOR													10.00 UG/KG		UJ
HEPTACHLOR EPOXIDE													10.00 UG/KG		UJ
METHOXYCHLOR													100.00 UG/KG		UJ
TOXAPHENE													200.00 UG/KG		UJ
RADIONUCLIDES															
URANIUM-238	53.40 PCI/G	6.6	-	53.40 PCI/G	6.6	-									
URANIUM, TOTAL	110.00 MG/KG	12	J	110.00 MG/KG	12	J				100.00 MG/KG		NV			
URANIUM-234	35.90 PCI/G	4.6	-	35.90 PCI/G	4.6	-									
THORIUM-230	1.78 PCI/G	.5	J	1.78 PCI/G	.5	J									
RADIUM-226	0.90 PCI/G	.13	J	0.90 PCI/G	.13	J									
LEAD-210	0.63 PCI/G	.57	J	0.63 PCI/G	.57	J									
POLONIUM-210	0.94 PCI/G	.699	-	0.94 PCI/G	.699	-									
URANIUM-235/236	2.92 PCI/G	.7	-	2.92 PCI/G	.7	-									
THORIUM-232	1.00 PCI/G		UJ	1.00 PCI/G		UJ									
THORIUM, TOTAL	7.22 MG/KG	2.83	J	7.22 MG/KG	2.83	J									
RADIUM-228	0.71 PCI/G	.19	J	0.71 PCI/G	.19	J									
THORIUM-228	1.30 PCI/G	.43	J	1.30 PCI/G	.43	J									
ACTINIUM-227	1.33 PCI/G	.42	J	1.33 PCI/G	.42	J									
PROTACTINIUM-231	1.80 PCI/G		UJ	1.80 PCI/G		UJ									
RADIUM-224	0.91 PCI/G	.14	J	0.91 PCI/G	.14	J									

SAMPLE NUMBER:	064136			064137			064138			064159			064146		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
1,2-DICHLOROBENZENE													410.00 UG/KG		UJ
1,3-DICHLOROBENZENE													410.00 UG/KG		UJ
1,4-DICHLOROBENZENE													410.00 UG/KG		UJ
2,4,5-TRICHLOROPHENOL													2000.00 UG/KG		UJ
2,4,6-TRICHLOROPHENOL													410.00 UG/KG		UJ
2,4-DICHLOROPHENOL													410.00 UG/KG		UJ
2,4-DIMETHYLPHENOL													410.00 UG/KG		UJ
2,4-DINITROPHENOL													2000.00 UG/KG		UJ
2,4-DINITROTOLUENE													410.00 UG/KG		UJ
2,6-DINITROTOLUENE													410.00 UG/KG		UJ
2-CHLORONAPHTHALENE													410.00 UG/KG		UJ
2-CHLOROPHENOL													410.00 UG/KG		UJ
2-METHYLNAPHTHALENE													410.00 UG/KG		UJ
2-METHYLPHENOL													410.00 UG/KG		UJ
2-NITROANILINE													2000.00 UG/KG		UJ
2-NITROPHENOL													410.00 UG/KG		UJ
3,3'-DICHLOROBENZIDINE													820.00 UG/KG		UJ
3-NITROANILINE													2000.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL													2000.00 UG/KG		UJ
4-BROMOPHENYL PHENYL ETHER													410.00 UG/KG		UJ
4-CHLORO-3-METHYLPHENOL													410.00 UG/KG		UJ
4-CHLOROPHENYLPHENYL ETHER													410.00 UG/KG		UJ
4-METHYLPHENOL													410.00 UG/KG		UJ
4-NITROANILINE													2000.00 UG/KG		UJ
4-NITROPHENOL													2000.00 UG/KG		UJ
ACENAPHTHENE													410.00 UG/KG		UJ
ACENAPHTHYLENE													410.00 UG/KG		UJ
ANTHRACENE													410.00 UG/KG		UJ
BENZO(A)ANTHRACENE													410.00 UG/KG		UJ
BENZO(A)PYRENE													410.00 UG/KG		UJ
BENZO(B)FLUORANTHENE													410.00 UG/KG		UJ
BENZO(G,H,I)PERYLENE													410.00 UG/KG		UJ
BENZO(K)FLUORANTHENE													410.00 UG/KG		UJ
BENZOIC ACID													2000.00 UG/KG		UJ
BENZYL ALCOHOL													410.00 UG/KG		UJ
BIS(2-CHLOROETHOXY)METHANE													410.00 UG/KG		UJ
BIS(2-CHLOROETHYL)ETHER													410.00 UG/KG		UJ
BIS(2-CHLOROISOPROPYL) ETHER													410.00 UG/KG		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													410.00 UG/KG		UJ
BUTYLBENZYL PHTHALATE													410.00 UG/KG		UJ
CHRYSENE													410.00 UG/KG		UJ

SAMPLE NUMBER:	064136			064137			064138			064159			064146		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
DI-N-BUTYL PHTHALATE													410.00 UG/KG		UJ
DI-N-OCTYL PHTHALATE													410.00 UG/KG		UJ
DIBENZO(A,H)ANTHRACENE													410.00 UG/KG		UJ
DIBENZOFURAN													410.00 UG/KG		UJ
DIETHYL PHTHALATE													410.00 UG/KG		UJ
DIMETHYL PHTHALATE													410.00 UG/KG		UJ
FLUORANTHENE													410.00 UG/KG		UJ
FLUORENE													410.00 UG/KG		UJ
HEXACHLOROBENZENE													410.00 UG/KG		UJ
HEXACHLOROBUTADIENE													410.00 UG/KG		UJ
HEXACHLOROCYCLOPENTADIENE													410.00 UG/KG		UJ
HEXACHLOROETHANE													410.00 UG/KG		UJ
INDENO(1,2,3-CD)PYRENE													410.00 UG/KG		UJ
ISOPHORONE													410.00 UG/KG		UJ
N-NITROSO-DI-N-PROPYLAMINE													410.00 UG/KG		UJ
N-NITROSODIPHENYLAMINE													410.00 UG/KG		UJ
NAPHTHALENE													410.00 UG/KG		UJ
NITROBENZENE													410.00 UG/KG		UJ
P-CHLOROANILINE													410.00 UG/KG		UR
PENTACHLOROPHENOL													2000.00 UG/KG		UJ
PHENANTHRENE													410.00 UG/KG		UJ
PHENOL													410.00 UG/KG		UJ
PYRENE													410.00 UG/KG		UJ
TRIBUTYL PHOSPHATE													410.00 UG/KG		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE													6.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													6.00 UG/KG		U
1,1,2-TRICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHENE													6.00 UG/KG		U
1,2-DICHLOROETHANE													6.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													6.00 UG/KG		U
1,2-DICHLOROPROPANE													6.00 UG/KG		U
2-BUTANONE													12.00 UG/KG		U
2-HEXANONE													12.00 UG/KG		UJ
4-METHYL-2-PENTANONE													12.00 UG/KG		U
ACETONE													14.00 UG/KG		U
BENZENE													6.00 UG/KG		U
BROMODICHLOROMETHANE													6.00 UG/KG		U
BROMOFORM													6.00 UG/KG		UJ
BROMOMETHANE													12.00 UG/KG		U
CARBON DISULFIDE													6.00 UG/KG		U
CARBON TETRACHLORIDE													6.00 UG/KG		U

SAMPLE NUMBER:	064136			064137			064138			064159			064146		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
CHLOROBENZENE													6.00 UG/KG		U
CHLOROETHANE													12.00 UG/KG		U
CHLOROFORM													6.00 UG/KG		U
CHLOROMETHANE													12.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE													6.00 UG/KG		U
DIBROMOCHLOROMETHANE													6.00 UG/KG		U
ETHYLBENZENE													6.00 UG/KG		U
METHYLENE CHLORIDE													25.00 UG/KG		U
STYRENE													6.00 UG/KG		U
TETRACHLOROETHENE													6.00 UG/KG		U
TOLUENE													6.00 UG/KG		U
TRANS-1,3-DICHLOROPROPENE													6.00 UG/KG		U
TRICHLOROETHENE													6.00 UG/KG		U
VINYL ACETATE													12.00 UG/KG		U
VINYL CHLORIDE													12.00 UG/KG		U
XYLENES, TOTAL													6.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064147	064148	064150	064067	064068
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.01
LAB:		IT		IT	
WELL OR BORING NUMBER:	1618	1618	1618	1619	1619
DEPTH:	125-127.	127.-128.	128.-130	57.5-60	57.5-60
DATE COLLECTED:	03-AUG-91	03-AUG-91	03-AUG-91	20-JUL-91	20-JUL-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480412.98	480412.98
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378593.22	1378593.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	-	NONE-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)
INORGANICS															
ALUMINUM										7930.00 MG/KG		-			
ANTIMONY										26.50 MG/KG		J			
ARSENIC										4.50 MG/KG		-			
BARIUM										65.70 MG/KG		-			
BERYLLIUM										0.82 MG/KG		-			
CADMIUM										4.10 MG/KG		J			
CALCIUM										96000.00 MG/KG		-			
CHROMIUM										28.50 MG/KG		-			
COBALT										15.30 MG/KG		-			
COPPER										23.50 MG/KG		-			
CYANIDE										0.12 MG/KG		U			
IRON										21000.00 MG/KG		-			
LEAD										8.40 MG/KG		-			
MAGNESIUM										31900.00 MG/KG		-			
MANGANESE										590.00 MG/KG		-			
MERCURY										0.12 MG/KG		UJ			
MOLYBDENUM										13.10 MG/KG		-			
NICKEL										30.60 MG/KG		-			
POTASSIUM										1000.00 MG/KG		-			
SELENIUM										0.46 MG/KG		U			
SILVER										15.20 MG/KG		-			
SODIUM										151.00 MG/KG		-			
THALLIUM										0.46 MG/KG		U			
VANADIUM										27.90 MG/KG		-			
ZINC										47.90 MG/KG		-			
PESTICIDES															
4,4'-DDD										19.00 UG/KG		U			
4,4'-DDE										19.00 UG/KG		U			

SAMPLE NUMBER:	064147			064148			064150			064067			064068		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
4,4'-DDT										19.00 UG/KG		U			
ALDRIN										9.50 UG/KG		U			
ALPHA-BHC										9.50 UG/KG		U			
ALPHA-CHLORDANE										95.00 UG/KG		U			
AROCLOR-1016										95.00 UG/KG		U			
AROCLOR-1221										95.00 UG/KG		U			
AROCLOR-1232										95.00 UG/KG		U			
AROCLOR-1242										95.00 UG/KG		U			
AROCLOR-1248										95.00 UG/KG		U			
AROCLOR-1254										190.00 UG/KG		U			
AROCLOR-1260										190.00 UG/KG		U			
BETA-BHC										9.50 UG/KG		U			
DELTA-BHC										9.50 UG/KG		U			
DIELORIN										19.00 UG/KG		U			
ENDOSULFAN II										19.00 UG/KG		U			
ENDOSULFAN SULFATE										19.00 UG/KG		U			
ENDOSULFAN-I										9.50 UG/KG		U			
ENDRIN										19.00 UG/KG		U			
ENDRIN KETONE										19.00 UG/KG		U			
GAMMA-BHC (LINDANE)										9.50 UG/KG		U			
GAMMA-CHLORDANE										95.00 UG/KG		U			
HEPTACHLOR										9.50 UG/KG		U			
HEPTACHLOR EPOXIDE										9.50 UG/KG		U			
METHOXYCHLOR										95.00 UG/KG		U			
TOXAPHENE										190.00 UG/KG		U			
RADIONUCLIDES															
URANIUM-238				3.84 PCI/G	.51	-									
URANIUM, TOTAL				10.70 MG/KG	2.8	-									
URANIUM-234				3.58 PCI/G	.48	-									
THORIUM-230				1.18 PCI/G	.45	-									
RADIUM-226				0.95 PCI/G	.12	-									
LEAD-210				0.52 PCI/G	.36	J									
POLONIUM-210				1.23 PCI/G	.91	J									
URANIUM-235/236				0.60 PCI/G		U									
THORIUM-232				0.62 PCI/G	.33	-									
THORIUM, TOTAL				5.58 MG/KG	2.97	-									
RADIUM-228				0.70 PCI/G	.17	J									
THORIUM-228				1.78 PCI/G	.57	-									
ACTINIUM-227				0.60 PCI/G		U									
PROTACTINIUM-231				1.20 PCI/G		U									
RADIUM-224				0.77 PCI/G	.12	-									

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 390.00 UG/KG U
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064147			064148			064150			064067			064068		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
1,2-DICHLOROBENZENE										390.00 UG/KG		U			
1,3-DICHLOROBENZENE										390.00 UG/KG		U			
1,4-DICHLOROBENZENE										390.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL										1900.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL										390.00 UG/KG		U			
2,4-DICHLOROPHENOL										390.00 UG/KG		U			
2,4-DIMETHYLPHENOL										390.00 UG/KG		U			
2,4-DINITROPHENOL										1900.00 UG/KG		U			
2,4-DINITROTOLUENE										390.00 UG/KG		U			
2,6-DINITROTOLUENE										390.00 UG/KG		U			
2-CHLORONAPHTHALENE										390.00 UG/KG		U			
2-CHLOROPHENOL										390.00 UG/KG		U			
2-METHYLNAPHTHALENE										390.00 UG/KG		U			
2-METHYLPHENOL										390.00 UG/KG		U			
2-NITROANILINE										1900.00 UG/KG		U			
2-NITROPHENOL										390.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE										790.00 UG/KG		UJ			
3-NITROANILINE										1900.00 UG/KG		UJ			
4,6-DINITRO-2-METHYLPHENOL										1900.00 UG/KG		U			
4-BROMOPHENYL PHENYL ETHER										390.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL										390.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER										390.00 UG/KG		U			
4-METHYLPHENOL										390.00 UG/KG		U			
4-NITROANILINE										1900.00 UG/KG		UJ			
4-NITROPHENOL										1900.00 UG/KG		U			
ACENAPHTHENE										390.00 UG/KG		U			
ACENAPHTHYLENE										390.00 UG/KG		U			
ANTHRACENE										390.00 UG/KG		U			
BENZO(A)ANTHRACENE										390.00 UG/KG		U			
BENZO(A)PYRENE										390.00 UG/KG		U			
BENZO(B)FLUORANTHENE										390.00 UG/KG		U			
BENZO(G,H,I)PERYLENE										390.00 UG/KG		U			
BENZO(K)FLUORANTHENE										390.00 UG/KG		U			
BENZOIC ACID										1900.00 UG/KG		UJ			
BENZYL ALCOHOL										390.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE										390.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER										390.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER										390.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE										390.00 UG/KG		U			
BUTYL BENZYL PHTHALATE										390.00 UG/KG		U			
CHRYSENE										390.00 UG/KG		U			

SAMPLE NUMBER:	064147			064148			064150			064067			064068		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
DI-N-BUTYL PHTHALATE										390.00 UG/KG		U			
DI-N-OCTYL PHTHALATE										390.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE										390.00 UG/KG		U			
DIBENZOFURAN										390.00 UG/KG		U			
DIETHYL PHTHALATE										390.00 UG/KG		U			
DIMETHYL PHTHALATE										390.00 UG/KG		U			
FLUORANTHENE										390.00 UG/KG		U			
FLUORENE										390.00 UG/KG		U			
HEXACHLOROBENZENE										390.00 UG/KG		U			
HEXACHLOROBUTADIENE										390.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE										390.00 UG/KG		U			
HEXACHLOROETHANE										390.00 UG/KG		UJ			
INDENO(1,2,3-CD)PYRENE										390.00 UG/KG		U			
ISOPHORONE										390.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE										390.00 UG/KG		U			
N-NITROSODIPHENYLAMINE										390.00 UG/KG		U			
NAPHTHALENE										390.00 UG/KG		U			
NITROBENZENE										390.00 UG/KG		U			
P-CHLOROANILINE										390.00 UG/KG		U			
PENTACHLOROPHENOL										1900.00 UG/KG		U			
PHENANTHRENE										390.00 UG/KG		U			
PHENOL										390.00 UG/KG		U			
PYRENE										390.00 UG/KG		U			
TRIBUTYL PHOSPHATE										390.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										6.00 UG/KG		U			
1,1,2,2-TETRACHLOROETHANE										6.00 UG/KG		U			
1,1,2-TRICHLOROETHANE										6.00 UG/KG		U			
1,1-DICHLOROETHANE										6.00 UG/KG		U			
1,1-DICHLOROETHENE										6.00 UG/KG		U			
1,2-DICHLOROETHANE										6.00 UG/KG		U			
1,2-DICHLOROETHENE (TOTAL)										6.00 UG/KG		U			
1,2-DICHLOROPROPANE										6.00 UG/KG		U			
2-BUTANONE										12.00 UG/KG		U			
2-HEXANONE										12.00 UG/KG		UJ			
4-METHYL-2-PENTANONE										12.00 UG/KG		UJ			
ACETONE										16.00 UG/KG		UJ			
BENZENE										6.00 UG/KG		U			
BROMODICHLOROMETHANE										6.00 UG/KG		U			
BROMOFORM										6.00 UG/KG		UJ			
BROMOMETHANE										12.00 UG/KG		UJ			
CARBON DISULFIDE										6.00 UG/KG		U			
CARBON TETRACHLORIDE										6.00 UG/KG		U			

SAMPLE NUMBER:	064147			064148			064150			064067			064068		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
CHLOROBENZENE										6.00 UG/KG		U			
CHLOROETHANE										12.00 UG/KG		U			
CHLOROFORM										6.00 UG/KG		U			
CHLOROMETHANE										12.00 UG/KG		U			
CIS-1,3-DICHLOROPROPENE										6.00 UG/KG		U			
DIBROMOCHLOROMETHANE										6.00 UG/KG		U			
ETHYLBENZENE										6.00 UG/KG		U			
METHYLENE CHLORIDE										6.00 UG/KG		U			
STYRENE										6.00 UG/KG		U			
TETRACHLOROETHENE										6.00 UG/KG		U			
TOLUENE										6.00 UG/KG		U			
TRANS-1,3-DICHLOROPROPENE										6.00 UG/KG		UJ			
TRICHLOROETHENE										6.00 UG/KG		U			
VINYL ACETATE										12.00 UG/KG		UJ			
VINYL CHLORIDE										12.00 UG/KG		U			
XYLENES, TOTAL										6.00 UG/KG		U			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	064071	064072	064079	064085	099468
TASK:	40.03.01	40.03.01	40.03.01	40.03.01	40.03.02
LAB:	IT	IT			IT
WELL OR BORING NUMBER:	1619	1619	1619	1619	1620
DEPTH:	60-61.2	60-61.2	81.2-82.5	103.-105	5-5.50
DATE COLLECTED:	20-JUL-91	20-JUL-91	23-JUL-91	25-JUL-91	15-MAY-91
NORTH COORDINATE:	480412.98	480412.98	480412.98	480412.98	480402.83
EAST COORDINATE:	1378593.22	1378593.22	1378593.22	1378593.22	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	-	-	NONE-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)
RADIONUCLIDES															
URANIUM-238	1.12 PCI/G	.21	-	1.12 PCI/G	.21	-									
URANIUM, TOTAL	4.50 MG/KG		U	4.50 MG/KG		U									
URANIUM-234	0.89 PCI/G	.18	-	0.89 PCI/G	.18	-									
THORIUM-230	1.04 PCI/G	.39	-	1.04 PCI/G	.39	-									
RADIUM-226	0.88 PCI/G	.13	J	0.88 PCI/G	.13	J									
LEAD-210	0.71 PCI/G	.43	J	0.71 PCI/G	.43	J									
POLONIUM-210	1.15 PCI/G	.4	J												
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U									
THORIUM-232	1.00 PCI/G	.38	-	1.00 PCI/G	.38	-									
THORIUM, TOTAL	8.98 MG/KG	3.46	-	8.98 MG/KG	3.46	-									
RADIUM-228	0.77 PCI/G	.22	J	0.77 PCI/G	.22	J									
THORIUM-228	1.33 PCI/G	.45	-	1.33 PCI/G	.45	-									
ACTINIUM-227	0.60 PCI/G		UJ	0.60 PCI/G		UJ									
PROTACTINIUM-231	1.60 PCI/G		UJ	1.60 PCI/G		UJ									
RADIUM-224	0.91 PCI/G	.15	J	0.91 PCI/G	.15	J									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													400.00 UG/KG		UR
1,2-DICHLOROBENZENE													400.00 UG/KG		UJ
1,3-DICHLOROBENZENE													400.00 UG/KG		UJ
1,4-DICHLOROBENZENE													400.00 UG/KG		UR
2,4,5-TRICHLOROPHENOL													1900.00 UG/KG		UJ
2,4,6-TRICHLOROPHENOL													400.00 UG/KG		UJ
2,4-DICHLOROPHENOL													400.00 UG/KG		UJ
2,4-DIMETHYLPHENOL													400.00 UG/KG		UJ
2,4-DINITROPHENOL													1900.00 UG/KG		UJ
2,4-DINITROTOLUENE													400.00 UG/KG		UJ
2,6-DINITROTOLUENE													400.00 UG/KG		UJ
2-CHLORONAPHTHALENE													400.00 UG/KG		

001274

6416

SAMPLE NUMBER:	064071			064072			064079			064085			099468		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
2-CHLOROPHENOL													400.00 UG/KG		UJ
2-METHYLNAPHTHALENE													400.00 UG/KG		UJ
2-METHYLPHENOL													400.00 UG/KG		UJ
2-NITROANILINE													1900.00 UG/KG		UJ
2-NITROPHENOL													400.00 UG/KG		UJ
3,3'-DICHLOROBENZIDINE													800.00 UG/KG		UJ
3-NITROANILINE													1900.00 UG/KG		UJ
4,6-DINITRO-2-METHYLPHENOL													1900.00 UG/KG		UJ
4-BROMOPHENYL PHENYL ETHER													400.00 UG/KG		UJ
4-CHLORO-3-METHYLPHENOL													400.00 UG/KG		UJ
4-CHLOROPHENYLPHENYL ETHER													400.00 UG/KG		UJ
4-METHYLPHENOL													400.00 UG/KG		UJ
4-NITROANILINE													1900.00 UG/KG		UJ
4-NITROPHENOL													1900.00 UG/KG		UJ
ACENAPHTHENE													400.00 UG/KG		UJ
ACENAPHTHYLENE													400.00 UG/KG		UJ
ANTHRACENE													400.00 UG/KG		UJ
BENZO(A)ANTHRACENE													400.00 UG/KG		UJ
BENZO(A)PYRENE													400.00 UG/KG		UJ
BENZO(B)FLUORANTHENE													400.00 UG/KG		UJ
BENZO(G,H,I)PERYLENE													400.00 UG/KG		UJ
BENZO(K)FLUORANTHENE													400.00 UG/KG		UJ
BENZOIC ACID													1900.00 UG/KG		UJ
BENZYL ALCOHOL													400.00 UG/KG		UJ
BIS(2-CHLOROETHOXY)METHANE													400.00 UG/KG		UJ
BIS(2-CHLOROETHYL)ETHER													400.00 UG/KG		UJ
BIS(2-CHLOROISOPROPYL) ETHER													400.00 UG/KG		UJ
BIS(2-ETHYLHEXYL)PHTHALATE													400.00 UG/KG		UJ
BUTYL BENZYL PHTHALATE													400.00 UG/KG		UJ
CHRYSENE													400.00 UG/KG		UJ
DI-N-BUTYL PHTHALATE													48.00 UG/KG		J
DI-N-OCTYL PHTHALATE													400.00 UG/KG		UJ
DIBENZO(A,H)ANTHRACENE													400.00 UG/KG		UJ
DIBENZOFURAN													400.00 UG/KG		UJ
DIETHYL PHTHALATE													400.00 UG/KG		UJ
DIMETHYL PHTHALATE													400.00 UG/KG		UJ
FLUORANTHENE													400.00 UG/KG		UJ
FLUORENE													400.00 UG/KG		UJ
HEXACHLOROBENZENE													400.00 UG/KG		UJ
HEXACHLOROBUTADIENE													400.00 UG/KG		UJ
HEXACHLOROCYCLOPENTADIENE													400.00 UG/KG		UJ
HEXACHLOROETHANE													400.00 UG/KG		UJ
INDENO(1,2,3-CD)PYRENE													400.00 UG/KG		UJ
ISOPHORONE													400.00 UG/KG		UJ
N-NITROSO-DI-N-PROPYLAMINE													400.00 UG/KG		UR

SAMPLE NUMBER:	064071			064072			064079			064085			099468		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
N-NITROSODIPHENYLAMINE													400.00 UG/KG		UJ
NAPHTHALENE													400.00 UG/KG		UJ
NITROBENZENE													400.00 UG/KG		UJ
P-CHLOROANILINE													400.00 UG/KG		UJ
PENTACHLOROPHENOL													1900.00 UG/KG		UJ
PHENANTHRENE													400.00 UG/KG		UJ
PHENOL													400.00 UG/KG		UJ
PYRENE													400.00 UG/KG		UJ
TRIBUTYL PHOSPHATE													400.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099469	099470	099475	099461	099462
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT		IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1620
DEPTH:	5-5.50	5-5.50	5-5.50	3-4	4-5
DATE COLLECTED:	15-MAY-91	15-MAY-91	15-MAY-91	15-MAY-91	15-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480402.83
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	-	NONE-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)
INORGANICS															
ALUMINUM	12100.00 MG/KG		-												
ANTIMONY	24.90 MG/KG		J												
ARSENIC	8.00 MG/KG		UJ												
BARIUM	89.40 MG/KG		-												
BERYLLIUM	0.85 MG/KG		-												
CADMIUM	4.20 MG/KG		-												
CALCIUM	39600.00 MG/KG		J												
CHROMIUM	20.00 MG/KG		-												
COBALT	13.30 MG/KG		-												
COPPER	23.80 MG/KG		-												
CYANIDE				0.12 MG/KG		U									
IRON	25400.00 MG/KG		-												
LEAD	11.80 MG/KG		-												
MAGNESIUM	13900.00 MG/KG		-												
MANGANESE	519.00 MG/KG		-												
MERCURY							0.12 MG/KG		U						
MOLYBDENUM	3.20 MG/KG		-												
NICKEL	32.40 MG/KG		-												
POTASSIUM	1080.00 MG/KG		-												
SELENIUM	0.48 MG/KG		U												
SILVER	7.20 MG/KG		-												
SODIUM	79.80 MG/KG		-												
THALLIUM	0.48 MG/KG		U												
VANADIUM	28.40 MG/KG		-												
ZINC	59.60 MG/KG		-												
RADIONUCLIDES															
URANIUM-238													3.38 PCI/G	.45	-
URANIUM, TOTAL													11.10 MG/KG	3.1	J

SAMPLE NUMBER:	099469			099470			099475			099461			099462		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
RADIONUCLIDES															
URANIUM-234													2.59 PCI/G	.36	-
THORIUM-230													4.01 PCI/G	.79	-
RADIUM-226													3.67 PCI/G	.28	J
LEAD-210													1.96 PCI/G	.47	J
POLONIUM-210													4.02 PCI/G	.87	J
URANIUM-235/236													0.60 PCI/G		U
THORIUM-232													0.87 PCI/G	.28	-
THORIUM, TOTAL													7.86 MG/KG	2.53	-
RADIUM-228													0.80 PCI/G	.21	J
THORIUM-228													1.35 PCI/G	.36	-
NEPTUNIUM-237													0.60 PCI/G		U
PLUTONIUM-239/240													0.60 PCI/G		U
PLUTONIUM-238													0.60 PCI/G		U
STRONTIUM-90													0.50 PCI/G		U
TECHNETIUM-99													1.00 PCI/G		UJ
RUTHENIUM-106													1.00 PCI/G		UJ
CESIUM-137													0.20 PCI/G		UJ
ACTINIUM-227													0.60 PCI/G		U
PROTACTINIUM-231													1.40 PCI/G		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE													6.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													6.00 UG/KG		U
1,1,2-TRICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHENE													6.00 UG/KG		U
1,2-DICHLOROETHANE													6.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													6.00 UG/KG		U
1,2-DICHLOROPROPANE													6.00 UG/KG		U
2-BUTANONE													12.00 UG/KG		UJ
2-HEXANONE													12.00 UG/KG		U
4-METHYL-2-PENTANONE													12.00 UG/KG		U
ACETONE													16.00 UG/KG		U
BENZENE													6.00 UG/KG		U
BROMODICHLOROMETHANE													6.00 UG/KG		U
BROMOFORM													6.00 UG/KG		U
BROMOMETHANE													12.00 UG/KG		U
CARBON DISULFIDE													6.00 UG/KG		U
CARBON TETRACHLORIDE													6.00 UG/KG		U
CHLOROBENZENE													6.00 UG/KG		U
CHLOROETHANE													12.00 UG/KG		U
CHLOROFORM													6.00 UG/KG		U
CHLOROMETHANE													12.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE													6.00 UG/KG		U

SAMPLE NUMBER:	099469			099470			099475			099461			099462		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
DIBROMOCHLOROMETHANE													6.00 UG/KG		U
ETHYLBENZENE													6.00 UG/KG		U
METHYLENE CHLORIDE													22.00 UG/KG		U
STYRENE													6.00 UG/KG		U
TETRACHLOROETHENE													6.00 UG/KG		U
TOLUENE													3.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE													6.00 UG/KG		U
TRICHLOROETHENE													6.00 UG/KG		U
VINYL ACETATE													12.00 UG/KG		U
VINYL CHLORIDE													12.00 UG/KG		U
XYLENES, TOTAL													6.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099482	099483	099484	099487	099488
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT		IT	IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1620
DEPTH:	14-15	15-16	16-17	19-20	16-16.5
DATE COLLECTED:	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480402.83
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	-	NONE-NA	NONE-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)
INORGANICS															
MERCURY													0.12 MG/KG		UJ
RADIONUCLIDES															
URANIUM-238	1.15 PCI/G	.29	-							1.52 PCI/G	.26	-			
URANIUM, TOTAL	12.40 MG/KG	2.8	J							10.80 MG/KG	2.6	J			
URANIUM-234	1.10 PCI/G	.28	-							1.01 PCI/G	.2	-			
THORIUM-230	1.83 PCI/G	.49	-							1.61 PCI/G	.36	-			
RADIUM-226	1.28 PCI/G	.14	J							1.52 PCI/G	.15	J			
LEAD-210	0.98 PCI/G	.36	J							1.19 PCI/G	.4	J			
POLONIUM-210	1.77 PCI/G	.6	R							2.60 PCI/G	.8	-			
URANIUM-235/236	0.60 PCI/G		U							0.60 PCI/G		U			
THORIUM-232	0.79 PCI/G	.3	-							0.70 PCI/G	.21	-			
THORIUM, TOTAL	7.08 MG/KG	2.7	-							6.33 MG/KG	1.92	-			
RADIUM-228	0.97 PCI/G	.19	J							0.91 PCI/G	.19	J			
THORIUM-228	1.64 PCI/G	.46	-							1.11 PCI/G	.28	-			
ACTINIUM-227	0.60 PCI/G		U							0.60 PCI/G		U			
PROTACTINIUM-231	1.80 PCI/G		UJ							1.80 PCI/G		UJ			
RADIUM-224	0.99 PCI/G	.14	J							0.85 PCI/G	.13	J			
VOLATILES															
1,1,1-TRICHLOROETHANE				6.00 UG/KG		UJ									
1,1,2,2-TETRACHLOROETHANE				6.00 UG/KG		UJ									
1,1,2-TRICHLOROETHANE				6.00 UG/KG		UJ									
1,1-DICHLOROETHANE				6.00 UG/KG		UJ									
1,1-DICHLOROETHENE				6.00 UG/KG		UJ									
1,2-DICHLOROETHANE				6.00 UG/KG		UJ									
1,2-DICHLOROETHENE (TOTAL)				6.00 UG/KG		UJ									
1,2-DICHLOROPROPANE				6.00 UG/KG		UJ									

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SAMPLE NUMBER:	099482			099483			099484			099487			099488		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
2-BUTANONE				4.00 UG/KG		J									
2-HEXANONE				12.00 UG/KG		UJ									
4-METHYL-2-PENTANONE				12.00 UG/KG		UJ									
ACETONE				11.00 UG/KG		U									
BENZENE				6.00 UG/KG		UJ									
BROMODICHLOROMETHANE				6.00 UG/KG		UJ									
BROMOFORM				6.00 UG/KG		UJ									
BROMOMETHANE				12.00 UG/KG		UJ									
CARBON DISULFIDE				6.00 UG/KG		UJ									
CARBON TETRACHLORIDE				6.00 UG/KG		UJ									
CHLOROBENZENE				6.00 UG/KG		UJ									
CHLOROETHANE				12.00 UG/KG		UJ									
CHLOROFORM				6.00 UG/KG		UJ									
CHLOROMETHANE				12.00 UG/KG		UJ									
CIS-1,3-DICHLOROPROPENE				6.00 UG/KG		UJ									
DIBROMOCHLOROMETHANE				6.00 UG/KG		UJ									
ETHYLBENZENE				6.00 UG/KG		UJ									
METHYLENE CHLORIDE				5.00 UG/KG		U									
STYRENE				6.00 UG/KG		UJ									
TETRACHLOROETHENE				6.00 UG/KG		UJ									
TOLUENE				1.00 UG/KG		J									
TRANS-1,3-DICHLOROPROPENE				6.00 UG/KG		UJ									
TRICHLOROETHENE				6.00 UG/KG		UJ									
VINYL ACETATE				12.00 UG/KG		UJ									
VINYL CHLORIDE				12.00 UG/KG		UJ									
XYLENES, TOTAL				6.00 UG/KG		UJ									

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099489	099490	099491	099493	099495
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT		
WELL OR BORING NUMBER:	1620	1620	1620	1620	1620
DEPTH:	16-16.5	16-16.5	16-16.5	16-16.5	16-16.5
DATE COLLECTED:	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480402.83
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM				9070.00 MG/KG		-									
ANTIMONY				27.40 MG/KG		J									
ARSENIC				7.50 MG/KG		J									
BARIUM				62.70 MG/KG		-									
BERYLLIUM				0.84 MG/KG		J									
CADMIUM				5.40 MG/KG		-									
CALCIUM				86700.00 MG/KG		J									
CHROMIUM				16.60 MG/KG		-									
COBALT				12.00 MG/KG		J									
COPPER				27.00 MG/KG		-									
CYANIDE							1.60 MG/KG		-						
IRON				23100.00 MG/KG		-									
LEAD				11.00 MG/KG		-									
MAGNESIUM				22100.00 MG/KG		-									
MANGANESE				597.00 MG/KG		-									
MOLYBDENUM				4.60 MG/KG		-									
NICKEL				30.60 MG/KG		-									
POTASSIUM				950.00 MG/KG		J									
SELENIUM				0.48 MG/KG		UJ									
SILVER				8.20 MG/KG		-									
SODIUM				138.00 MG/KG		J									
THALLIUM				0.97 MG/KG		UJ									
VANADIUM				25.10 MG/KG		-									
ZINC				58.80 MG/KG		-									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	410.00 UG/KG		U												
1,2-DICHLOROBENZENE	410.00 UG/KG		U												
1,3-DICHLOROBENZENE	410.00 UG/KG		U												

SAMPLE NUMBER:	099489			099490			099491			099493			099495		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
1,4-DICHLOROBENZENE	410.00 UG/KG		U												
2,4,5-TRICHLOROPHENOL	2000.00 UG/KG		U												
2,4,6-TRICHLOROPHENOL	410.00 UG/KG		U												
2,4-DICHLOROPHENOL	410.00 UG/KG		U												
2,4-DIMETHYLPHENOL	410.00 UG/KG		U												
2,4-DINITROPHENOL	2000.00 UG/KG		UJ												
2,4-DINITROTOLUENE	410.00 UG/KG		U												
2,6-DINITROTOLUENE	410.00 UG/KG		U												
2-CHLORONAPHTHALENE	410.00 UG/KG		U												
2-CHLOROPHENOL	410.00 UG/KG		U												
2-METHYLNAPHTHALENE	410.00 UG/KG		U												
2-METHYLPHENOL	410.00 UG/KG		U												
2-NITROANILINE	2000.00 UG/KG		U												
2-NITROPHENOL	410.00 UG/KG		U												
3,3'-DICHLOROBENZIDINE	830.00 UG/KG		U												
3-NITROANILINE	2000.00 UG/KG		U												
4,6-DINITRO-2-METHYLPHENOL	2000.00 UG/KG		U												
4-BROMOPHENYL PHENYL ETHER	410.00 UG/KG		U												
4-CHLORO-3-METHYLPHENOL	410.00 UG/KG		U												
4-CHLOROPHENYLPHENYL ETHER	410.00 UG/KG		U												
4-METHYLPHENOL	410.00 UG/KG		U												
4-NITROANILINE	2000.00 UG/KG		U												
4-NITROPHENOL	2000.00 UG/KG		U												
ACENAPHTHENE	410.00 UG/KG		U												
ACENAPHTHYLENE	410.00 UG/KG		U												
ANTHRACENE	410.00 UG/KG		U												
BENZO(A)ANTHRACENE	410.00 UG/KG		U												
BENZO(A)PYRENE	410.00 UG/KG		U												
BENZO(B)FLUORANTHENE	410.00 UG/KG		U												
BENZO(G,H,I)PERYLENE	410.00 UG/KG		U												
BENZO(K)FLUORANTHENE	410.00 UG/KG		U												
BENZOIC ACID	2000.00 UG/KG		UJ												
BENZYL ALCOHOL	410.00 UG/KG		U												
BIS(2-CHLOROETHOXY)METHANE	410.00 UG/KG		U												
BIS(2-CHLOROETHYL)ETHER	410.00 UG/KG		U												
BIS(2-CHLOROISOPROPYL) ETHER	410.00 UG/KG		U												
BIS(2-ETHYLHEXYL)PHTHALATE	110.00 UG/KG		J												
BUTYL BENZYL PHTHALATE	410.00 UG/KG		U												
CHRYSENE	410.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	410.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	52.00 UG/KG		J												
DIBENZO(A,H)ANTHRACENE	410.00 UG/KG		U												
DIBENZOFURAN	410.00 UG/KG		U												
DIETHYL PHTHALATE	410.00 UG/KG		U												
DIMETHYL PHTHALATE	410.00 UG/KG		U												

SAMPLE NUMBER:	099489			099490			099491			099493			099495		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
FLUORANTHENE	410.00 UG/KG		U												
FLUORENE	410.00 UG/KG		U												
HEXACHLOROBENZENE	410.00 UG/KG		U												
HEXACHLOROBUTADIENE	410.00 UG/KG		U												
HEXACHLOROCYCLOPENTADIENE	410.00 UG/KG		UJ												
HEXACHLOROETHANE	410.00 UG/KG		U												
INDENO(1,2,3-CD)PYRENE	410.00 UG/KG		U												
ISOPHORONE	410.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	410.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	410.00 UG/KG		U												
NAPHTHALENE	410.00 UG/KG		U												
NITROBENZENE	410.00 UG/KG		U												
P-CHLOROANILINE	410.00 UG/KG		U												
PENTACHLOROPHENOL	2000.00 UG/KG		U												
PHENANTHRENE	410.00 UG/KG		U												
PHENOL	410.00 UG/KG		U												
PYRENE	410.00 UG/KG		U												
TRIBUTYL PHOSPHATE	410.00 UG/KG		U												

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099496	099513	099500	099501	099514
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:		IT	IT	IT	IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1620
DEPTH:	16-16.5	16-16.5	23-24	22-23	21-21.5
DATE COLLECTED:	16-MAY-91	17-MAY-91	17-MAY-91	17-MAY-91	17-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480402.83
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM													10500.00 MG/KG		-
ANTIMONY													22.90 MG/KG		J
ARSENIC													7.90 MG/KG		J
BARIUM													97.30 MG/KG		-
BERYLLIUM													1.10 MG/KG		J
CADMIUM													4.10 MG/KG		-
CALCIUM													37900.00 MG/KG		J
CHROMIUM													18.50 MG/KG		-
COBALT													14.90 MG/KG		-
COPPER													23.90 MG/KG		-
IRON													27500.00 MG/KG		-
LEAD													10.60 MG/KG		-
MAGNESIUM													12700.00 MG/KG		-
MANGANESE													880.00 MG/KG		-
MERCURY				0.11 MG/KG		UJ									
MOLYBDENUM													3.30 MG/KG		-
NICKEL													33.70 MG/KG		-
POTASSIUM													712.00 MG/KG		J
SELENIUM													0.49 MG/KG		UJ
SILVER													7.00 MG/KG		-
SODIUM													82.90 MG/KG		J
THALLIUM													0.63 MG/KG		UJ
VANADIUM													27.50 MG/KG		-
ZINC													53.90 MG/KG		-
RADIONUCLIDES															
URANIUM-238							1.18 PCI/G	.23	-						
URANIUM, TOTAL							11.90 MG/KG	2.8	J						
URANIUM-234							1.30 PCI/G	.25	-						

SAMPLE NUMBER:	099496			099513			099500			099501			099514		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
RADIONUCLIDES															
THORIUM-230							1.42 PCI/G	.38	-						
RADIUM-226							1.52 PCI/G	.15	J						
LEAD-210							1.37 PCI/G	.43	J						
POLONIUM-210							2.11 PCI/G	.5	R						
URANIUM-235/236							0.60 PCI/G		U						
THORIUM-232							0.73 PCI/G	.26	-						
THORIUM, TOTAL							6.55 MG/KG	2.31	-						
RADIUM-228							1.15 PCI/G	.21	J						
THORIUM-228							1.18 PCI/G	.34	-						
ACTINIUM-227							0.60 PCI/G		U						
PROTACTINIUM-231							1.90 PCI/G		UJ						
RADIUM-224							1.15 PCI/G	.16	J						
VOLATILES															
1,1,1-TRICHLOROETHANE										6.00 UG/KG		UJ			
1,1,2,2-TETRACHLOROETHANE										6.00 UG/KG		UJ			
1,1,2-TRICHLOROETHANE										6.00 UG/KG		UJ			
1,1-DICHLOROETHANE										6.00 UG/KG		UJ			
1,1-DICHLOROETHENE										6.00 UG/KG		UJ			
1,2-DICHLOROETHANE										6.00 UG/KG		UJ			
1,2-DICHLOROETHENE (TOTAL)										6.00 UG/KG		UJ			
1,2-DICHLOROPROPANE										6.00 UG/KG		UJ			
2-BUTANONE										12.00 UG/KG		UJ			
2-HEXANONE										12.00 UG/KG		UJ			
4-METHYL-2-PENTANONE										4.00 UG/KG		J			
ACETONE										27.00 UG/KG		UJ			
BENZENE										6.00 UG/KG		UJ			
BROMODICHLOROMETHANE										6.00 UG/KG		UJ			
BROMOFORM										6.00 UG/KG		UJ			
BROMOMETHANE										12.00 UG/KG		UJ			
CARBON DISULFIDE										6.00 UG/KG		UJ			
CARBON TETRACHLORIDE										6.00 UG/KG		UJ			
CHLOROBENZENE										6.00 UG/KG		UJ			
CHLOROETHANE										12.00 UG/KG		UJ			
CHLOROFORM										6.00 UG/KG		UJ			
CHLOROMETHANE										12.00 UG/KG		UJ			
CIS-1,3-DICHLOROPROPENE										6.00 UG/KG		UJ			
DIBROMOCHLOROMETHANE										6.00 UG/KG		UJ			
ETHYLBENZENE										6.00 UG/KG		UJ			
METHYLENE CHLORIDE										5.00 UG/KG		U			
STYRENE										6.00 UG/KG		UJ			
TETRACHLOROETHENE										6.00 UG/KG		UJ			
TOLUENE										6.00 UG/KG		UJ			
TRANS-1,3-DICHLOROPROPENE										6.00 UG/KG		UJ			

SAMPLE NUMBER:	099496			099513			099500			099501			099514		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
TRICHLOROETHENE										6.00 UG/KG		UJ			
VINYL ACETATE										12.00 UG/KG		UJ			
VINYL CHLORIDE										12.00 UG/KG		UJ			
XYLENES, TOTAL										6.00 UG/KG		UJ			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099515			099517			099537			099530			099532		
TASK:	40.03.02			40.03.02			40.03.02			40.03.02			40.03.02		
LAB:	IT			IT			IT						IT		
WELL OR BORING NUMBER:	1620			1620			1621			1621			1621		
DEPTH:	21-21.5			21-21.5			9-10			2-3			4-5		
DATE COLLECTED:	17-MAY-91			17-MAY-91			21-MAY-91			21-MAY-91			21-MAY-91		
NORTH COORDINATE:	480402.83			480402.83			480517.8			480517.8			480517.8		
EAST COORDINATE:	1378440.71			1378440.71			1378442.96			1378442.96			1378442.96		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			-			NONE-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)
INORGANICS															
CYANIDE	0.12 MG/KG		U												
RADIONUCLIDES															
URANIUM-238							2.39 PCI/G	.35	-				4.17 PCI/G	.54	-
URANIUM, TOTAL							3.69 MG/KG	2.71	-				12.40 MG/KG	3.4	-
URANIUM-234							2.28 PCI/G	.33	-				3.62 PCI/G	.48	-
THORIUM-230							1.71 PCI/G	.36	-				4.78 PCI/G	.8	-
RADIUM-226							1.63 PCI/G	.16	-				6.68 PCI/G	.43	-
LEAD-210							1.26 PCI/G	.42	-				4.45 PCI/G	.72	-
POLONIUM-210							2.17 PCI/G	.64	J				14.70 PCI/G	2.9	J
URANIUM-235/236							0.60 PCI/G		U				0.60 PCI/G		U
THORIUM-232							1.03 PCI/G	.26	-				0.86 PCI/G	.23	-
THORIUM, TOTAL							9.27 MG/KG	2.32	-				7.73 MG/KG	2.1	-
RADIUM-228							0.94 PCI/G	.21	-				0.97 PCI/G	.22	-
THORIUM-228							1.54 PCI/G	.33	-				1.12 PCI/G	.27	-
NEPTUNIUM-237							0.60 PCI/G		U				0.60 PCI/G		U
PLUTONIUM-239/240							0.60 PCI/G		U				0.60 PCI/G		U
PLUTONIUM-238							0.60 PCI/G		U				0.60 PCI/G		U
STRONTIUM-90							0.50 PCI/G		U				0.50 PCI/G		U
TECHNETIUM-99							1.00 PCI/G		U				1.00 PCI/G		U
RUTHENIUM-106							1.00 PCI/G		U				1.00 PCI/G		U
CESIUM-137							0.20 PCI/G		U				0.23 PCI/G	.07	-
ACTINIUM-227							0.60 PCI/G		U				0.60 PCI/G		U
PROTACTINIUM-231							1.50 PCI/G		U				1.70 PCI/G		U
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				410.00 UG/KG		U									
1,3-DICHLOROBENZENE				410.00 UG/KG		U									

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SAMPLE NUMBER:	099515			099517			099537			099530			099532		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
1,3-DICHLOROBENZENE				410.00 UG/KG		U									
1,4-DICHLOROBENZENE				410.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				2000.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				410.00 UG/KG		U									
2,4-DICHLOROPHENOL				410.00 UG/KG		U									
2,4-DIMETHYLPHENOL				410.00 UG/KG		U									
2,4-DINITROPHENOL				2000.00 UG/KG		UJ									
2,4-DINITROTOLUENE				410.00 UG/KG		U									
2,6-DINITROTOLUENE				410.00 UG/KG		U									
2-CHLORONAPHTHALENE				410.00 UG/KG		U									
2-CHLOROPHENOL				410.00 UG/KG		U									
2-METHYLNAPHTHALENE				410.00 UG/KG		U									
2-METHYLPHENOL				410.00 UG/KG		U									
2-NITROANILINE				2000.00 UG/KG		U									
2-NITROPHENOL				410.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				820.00 UG/KG		U									
3-NITROANILINE				2000.00 UG/KG		U									
4,6-DINITRO-2-METHYLPHENOL				2000.00 UG/KG		U									
4-BROMOPHENYL PHENYL ETHER				410.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				410.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				410.00 UG/KG		U									
4-METHYLPHENOL				410.00 UG/KG		U									
4-NITROANILINE				2000.00 UG/KG		U									
4-NITROPHENOL				2000.00 UG/KG		U									
ACENAPHTHENE				410.00 UG/KG		U									
ACENAPHTHYLENE				410.00 UG/KG		U									
ANTHRACENE				410.00 UG/KG		U									
BENZO(A)ANTHRACENE				410.00 UG/KG		U									
BENZO(A)PYRENE				410.00 UG/KG		U									
BENZO(B)FLUORANTHENE				410.00 UG/KG		U									
BENZO(G,H,I)PERYLENE				410.00 UG/KG		U									
BENZO(K)FLUORANTHENE				410.00 UG/KG		U									
BENZOIC ACID				2000.00 UG/KG		UJ									
BENZYL ALCOHOL				410.00 UG/KG		U									
BIS(2-CHLOROETHOXY)METHANE				410.00 UG/KG		U									
BIS(2-CHLOROETHYL)ETHER				410.00 UG/KG		U									
BIS(2-CHLOROISOPROPYL) ETHER				410.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				410.00 UG/KG		U									
BUTYL BENZYL PHTHALATE				410.00 UG/KG		U									
CHRYSENE				410.00 UG/KG		U									
DI-N-BUTYL PHTHALATE				410.00 UG/KG		U									
DI-N-OCTYL PHTHALATE				410.00 UG/KG		U									
DIBENZO(A,H)ANTHRACENE				410.00 UG/KG		U									
DIBENZOFURAN				410.00 UG/KG		U									
DIETHYL PHTHALATE				410.00 UG/KG		U									

SAMPLE NUMBER:	099515			099517			099537			099530			099532		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
DIMETHYL PHTHALATE				410.00 UG/KG		U									
FLUORANTHENE				410.00 UG/KG		U									
FLUORENE				410.00 UG/KG		U									
HEXACHLOROBENZENE				410.00 UG/KG		U									
HEXACHLOROBUTADIENE				410.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				410.00 UG/KG		UJ									
HEXACHLOROETHANE				410.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				410.00 UG/KG		U									
ISOPHORONE				410.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				410.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				410.00 UG/KG		U									
NAPHTHALENE				410.00 UG/KG		U									
NITROBENZENE				410.00 UG/KG		U									
P-CHLOROANILINE				410.00 UG/KG		U									
PENTACHLOROPHENOL				2000.00 UG/KG		U									
PHENANTHRENE				410.00 UG/KG		U									
PHENOL				410.00 UG/KG		U									
PYRENE				410.00 UG/KG		U									
TRIBUTYL PHOSPHATE				410.00 UG/KG		U									

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099533	099540	099541	099542	099543
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	5-6	6-6.50	6-6.50	6-6.50	6-6.50
DATE COLLECTED:	21-MAY-91	21-MAY-91	21-MAY-91	21-MAY-91	21-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM										9890.00 MG/KG		-			
ANTIMONY										27.10 MG/KG		J			
ARSENIC										6.10 MG/KG		J			
BARIUM										75.00 MG/KG		-			
BERYLLIUM										0.78 MG/KG		-			
CADMIUM										4.30 MG/KG		-			
CALCIUM										44900.00 MG/KG		J			
CHROMIUM										18.70 MG/KG		-			
COBALT										12.30 MG/KG		-			
COPPER										20.40 MG/KG		-			
CYANIDE													0.15 MG/KG		-
IRON										19900.00 MG/KG		-			
LEAD										12.20 MG/KG		-			
MAGNESIUM										15500.00 MG/KG		-			
MANGANESE										489.00 MG/KG		-			
MERCURY				0.12 MG/KG		UJ									
MOLYBDENUM										3.60 MG/KG		-			
NICKEL										28.10 MG/KG		-			
POTASSIUM										917.00 MG/KG		-			
SELENIUM										0.48 MG/KG		U			
SILVER										7.50 MG/KG		-			
SODIUM										81.90 MG/KG		U			
THALLIUM										0.48 MG/KG		UJ			
VANADIUM										25.60 MG/KG		-			
ZINC										61.00 MG/KG		-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							410.00 UG/KG		U						
1,2-DICHLOROBENZENE							410.00 UG/KG		U						

SAMPLE NUMBER:	099533			099540			099541			099542			099543		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
1,3-DICHLOROBENZENE							410.00 UG/KG		U						
1,4-DICHLOROBENZENE							410.00 UG/KG		U						
2,4,5-TRICHLOROPHENOL							2000.00 UG/KG		U						
2,4,6-TRICHLOROPHENOL							410.00 UG/KG		U						
2,4-DICHLOROPHENOL							410.00 UG/KG		U						
2,4-DIMETHYLPHENOL							410.00 UG/KG		U						
2,4-DINITROPHENOL							2000.00 UG/KG		UJ						
2,4-DINITROTOLUENE							410.00 UG/KG		U						
2,6-DINITROTOLUENE							410.00 UG/KG		U						
2-CHLORONAPHTHALENE							410.00 UG/KG		U						
2-CHLOROPHENOL							410.00 UG/KG		U						
2-METHYLNAPHTHALENE							410.00 UG/KG		U						
2-METHYLPHENOL							410.00 UG/KG		U						
2-NITROANILINE							2000.00 UG/KG		U						
2-NITROPHENOL							410.00 UG/KG		U						
3,3'-DICHLOROBENZIDINE							810.00 UG/KG		U						
3-NITROANILINE							2000.00 UG/KG		U						
4,6-DINITRO-2-METHYLPHENOL							2000.00 UG/KG		U						
4-BROMOPHENYL PHENYL ETHER							410.00 UG/KG		U						
4-CHLORO-3-METHYLPHENOL							410.00 UG/KG		U						
4-CHLOROPHENYLPHENYL ETHER							410.00 UG/KG		U						
4-METHYLPHENOL							410.00 UG/KG		U						
4-NITROANILINE							2000.00 UG/KG		U						
4-NITROPHENOL							2000.00 UG/KG		U						
ACENAPHTHENE							410.00 UG/KG		U						
ACENAPHTHYLENE							410.00 UG/KG		U						
ANTHRACENE							410.00 UG/KG		U						
BENZO(A)ANTHRACENE							410.00 UG/KG		U						
BENZO(A)PYRENE							410.00 UG/KG		U						
BENZO(B)FLUORANTHENE							410.00 UG/KG		U						
BENZO(G,H,I)PERYLENE							410.00 UG/KG		U						
BENZO(K)FLUORANTHENE							410.00 UG/KG		U						
BENZOIC ACID							2000.00 UG/KG		UJ						
BENZYL ALCOHOL							410.00 UG/KG		U						
BIS(2-CHLOROETHOXY)METHANE							410.00 UG/KG		U						
BIS(2-CHLOROETHYL)ETHER							410.00 UG/KG		U						
BIS(2-CHLOROISOPROPYL) ETHER							410.00 UG/KG		U						
BIS(2-ETHYLHEXYL)PHTHALATE							410.00 UG/KG		U						
BUTYL BENZYL PHTHALATE							410.00 UG/KG		U						
CHRYSENE							410.00 UG/KG		U						
DI-N-BUTYL PHTHALATE							410.00 UG/KG		U						
DI-N-OCTYL PHTHALATE							53.00 UG/KG		J						
DIBENZO(A,H)ANTHRACENE							410.00 UG/KG		U						
DIBENZOFURAN							410.00 UG/KG		U						
DIETHYL PHTHALATE							410.00 UG/KG		U						

SAMPLE NUMBER:	099533			099540			099541			099542			099543		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
DIMETHYL PHTHALATE							410.00 UG/KG		U						
FLUORANTHENE							410.00 UG/KG		U						
FLUORENE							410.00 UG/KG		U						
HEXACHLOROBENZENE							410.00 UG/KG		U						
HEXACHLOROBUTADIENE							410.00 UG/KG		U						
HEXACHLOROCYCLOPENTADIENE							410.00 UG/KG		UJ						
HEXACHLOROETHANE							410.00 UG/KG		U						
INDENO(1,2,3-CD)PYRENE							410.00 UG/KG		U						
ISOPHORONE							410.00 UG/KG		U						
N-NITROSO-DI-N-PROPYLAMINE							410.00 UG/KG		U						
N-NITROSODIPHENYLAMINE							410.00 UG/KG		U						
NAPHTHALENE							410.00 UG/KG		U						
NITROBENZENE							410.00 UG/KG		U						
P-CHLOROANILINE							410.00 UG/KG		U						
PENTACHLOROPHENOL							2000.00 UG/KG		U						
PHENANTHRENE							410.00 UG/KG		U						
PHENOL							330.00 UG/KG		U						
PYRENE							410.00 UG/KG		U						
VOLATILES															
1,1,1-TRICHLOROETHANE	6.00 UG/KG		U												
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		U												
1,1,2-TRICHLOROETHANE	6.00 UG/KG		U												
1,1-DICHLOROETHANE	6.00 UG/KG		U												
1,1-DICHLOROETHENE	6.00 UG/KG		U												
1,2-DICHLOROETHANE	6.00 UG/KG		UJ												
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		U												
1,2-DICHLOROPROPANE	6.00 UG/KG		U												
2-BUTANONE	11.00 UG/KG		J												
2-HEXANONE	12.00 UG/KG		U												
4-METHYL-2-PENTANONE	12.00 UG/KG		U												
ACETONE	64.00 UG/KG		J												
BENZENE	6.00 UG/KG		U												
BROMODICHLOROMETHANE	6.00 UG/KG		U												
BROMOFORM	6.00 UG/KG		U												
BROMOMETHANE	12.00 UG/KG		UJ												
CARBON DISULFIDE	6.00 UG/KG		UJ												
CARBON TETRACHLORIDE	6.00 UG/KG		U												
CHLOROBENZENE	6.00 UG/KG		U												
CHLOROETHANE	12.00 UG/KG		U												
CHLOROFORM	6.00 UG/KG		U												
CHLOROMETHANE	12.00 UG/KG		U												
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		U												
DIBROMOCHLOROMETHANE	6.00 UG/KG		U												

SAMPLE NUMBER:	099533			099540			099541			099542			099543		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
ETHYLBENZENE	6.00 UG/KG		U												
METHYLENE CHLORIDE	7.00 UG/KG		UJ												
STYRENE	6.00 UG/KG		U												
TETRACHLOROETHENE	6.00 UG/KG		U												
TOLUENE	200.00 UG/KG		-												
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		U												
TRICHLOROETHENE	6.00 UG/KG		U												
VINYL ACETATE	12.00 UG/KG		U												
VINYL CHLORIDE	12.00 UG/KG		U												
XYLENES, TOTAL	69.00 UG/KG		-												

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099557	099558	099559	099560	099562
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	6-6.50	6-6.50	6-6.50	6-6.50	6-6.50
DATE COLLECTED:	22-MAY-91	22-MAY-91	22-MAY-91	22-MAY-91	22-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM							4990.00 MG/KG		-						
ANTIMONY							26.30 MG/KG		J						
ARSENIC							4.50 MG/KG		J						
BARIUM							41.90 MG/KG		-						
BERYLLIUM							0.65 MG/KG		-						
CADMIUM							5.80 MG/KG		-						
CALCIUM							92800.00 MG/KG		J						
CHROMIUM							12.10 MG/KG		-						
COBALT							9.80 MG/KG		-						
COPPER							19.50 MG/KG		-						
CYANIDE										0.26 MG/KG		-			
IRON							13600.00 MG/KG		-						
LEAD							8.30 MG/KG		-						
MAGNESIUM							28500.00 MG/KG		-						
MANGANESE							324.00 MG/KG		-						
MERCURY	0.11 MG/KG		U												
MOLYBDENUM							3.80 MG/KG		-						
NICKEL							26.00 MG/KG		-						
POTASSIUM							590.00 MG/KG		-						
SELENIUM							0.44 MG/KG		UJ						
SILVER							7.70 MG/KG		-						
SODIUM							98.70 MG/KG		-						
THALLIUM							0.88 MG/KG		UJ						
VANADIUM							17.40 MG/KG		-						
ZINC							33.10 MG/KG		-						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				410.00 UG/KG		U									
1,2-DICHLOROBENZENE				410.00 UG/KG		U									

SAMPLE NUMBER:	099557			099558			099559			099560			099562		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
1,3-DICHLOROBENZENE				410.00 UG/KG		U									
1,4-DICHLOROBENZENE				410.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				2000.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				410.00 UG/KG		U									
2,4-DICHLOROPHENOL				410.00 UG/KG		U									
2,4-DIMETHYLPHENOL				410.00 UG/KG		U									
2,4-DINITROPHENOL				2000.00 UG/KG		U									
2,4-DINITROTOLUENE				410.00 UG/KG		U									
2,6-DINITROTOLUENE				410.00 UG/KG		U									
2-CHLORONAPHTHALENE				410.00 UG/KG		U									
2-CHLOROPHENOL				410.00 UG/KG		U									
2-METHYLNAPHTHALENE				410.00 UG/KG		U									
2-METHYLPHENOL				410.00 UG/KG		U									
2-NITROANILINE				2000.00 UG/KG		U									
2-NITROPHENOL				410.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				820.00 UG/KG		U									
3-NITROANILINE				2000.00 UG/KG		U									
4,6-DINITRO-2-METHYLPHENOL				2000.00 UG/KG		U									
4-BROMOPHENYL PHENYL ETHER				410.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				410.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				410.00 UG/KG		U									
4-METHYLPHENOL				410.00 UG/KG		U									
4-NITROANILINE				2000.00 UG/KG		U									
4-NITROPHENOL				2000.00 UG/KG		U									
ACENAPHTHENE				410.00 UG/KG		U									
ACENAPHTHYLENE				410.00 UG/KG		U									
ANTHRACENE				410.00 UG/KG		U									
BENZO(A)ANTHRACENE				410.00 UG/KG		U									
BENZO(A)PYRENE				410.00 UG/KG		U									
BENZO(B)FLUORANTHENE				410.00 UG/KG		U									
BENZO(G,H,I)PERYLENE				410.00 UG/KG		U									
BENZO(K)FLUORANTHENE				410.00 UG/KG		U									
BENZOIC ACID				2000.00 UG/KG		U									
BENZYL ALCOHOL				410.00 UG/KG		U									
BIS(2-CHLOROETHOXY)METHANE				410.00 UG/KG		U									
BIS(2-CHLOROETHYL)ETHER				410.00 UG/KG		U									
BIS(2-CHLOROISOPROPYL) ETHER				410.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				410.00 UG/KG		U									
BUTYL BENZYL PHTHALATE				410.00 UG/KG		U									
CHRYSENE				410.00 UG/KG		U									
DI-N-BUTYL PHTHALATE				54.00 UG/KG		J									
DI-N-OCTYL PHTHALATE				410.00 UG/KG		U									
DIBENZO(A,H)ANTHRACENE				410.00 UG/KG		U									
DIBENZOFURAN				410.00 UG/KG		U									
DIETHYL PHTHALATE				410.00 UG/KG		U									

SAMPLE NUMBER:	099557			099558			099559			099560			099562		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
DIMETHYL PHTHALATE				410.00 UG/KG		U									
FLUORANTHENE				410.00 UG/KG		U									
FLUORENE				410.00 UG/KG		U									
HEXACHLOROBENZENE				410.00 UG/KG		U									
HEXACHLOROBUTADIENE				410.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				410.00 UG/KG		UJ									
HEXACHLOROETHANE				410.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				410.00 UG/KG		U									
ISOPHORONE				410.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				410.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				410.00 UG/KG		U									
NAPHTHALENE				410.00 UG/KG		U									
NITROBENZENE				410.00 UG/KG		U									
P-CHLOROANILINE				410.00 UG/KG		U									
PENTACHLOROPHENOL				2000.00 UG/KG		U									
PHENANTHRENE				410.00 UG/KG		U									
PHENOL				410.00 UG/KG		U									
PYRENE				410.00 UG/KG		U									
TRIBUTYL PHOSPHATE				410.00 UG/KG		UJ									

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099563	099579	099580	099581	099583
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:		IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	6-6.50	6-6.50	6-6.50	6-6.50	6-6.50
DATE COLLECTED:	22-MAY-91	23-MAY-91	23-MAY-91	23-MAY-91	23-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM							11800.00 MG/KG		-						
ANTIMONY							27.60 MG/KG		J						
ARSENIC							7.30 MG/KG		-						
BARIUM							95.10 MG/KG		-						
BERYLLIUM							1.10 MG/KG		J						
CADMIUM							4.60 MG/KG		-						
CALCIUM							49000.00 MG/KG		J						
CHROMIUM							20.60 MG/KG		-						
COBALT							13.90 MG/KG		-						
COPPER							23.70 MG/KG		-						
CYANIDE										0.13 MG/KG		-			
IRON							24700.00 MG/KG		-						
LEAD							13.60 MG/KG		-						
MAGNESIUM							16200.00 MG/KG		-						
MANGANESE							525.00 MG/KG		-						
MERCURY													0.12 MG/KG		U
MOLYBDENUM							3.50 MG/KG		-						
NICKEL							29.70 MG/KG		-						
POTASSIUM							926.00 MG/KG		-						
SELENIUM							0.48 MG/KG		U						
SILVER							8.00 MG/KG		-						
SODIUM							91.30 MG/KG		J						
THALLIUM							1.10 MG/KG		UJ						
VANADIUM							28.20 MG/KG		-						
ZINC							58.00 MG/KG		-						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				370.00 UG/KG		U									
1,2-DICHLOROBENZENE				370.00 UG/KG		U									

SAMPLE NUMBER:	099563			099579			099580			099581			099583		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
1,3-DICHLOROBENZENE				370.00 UG/KG		U									
1,4-DICHLOROBENZENE				370.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				1800.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				370.00 UG/KG		U									
2,4-DICHLOROPHENOL				370.00 UG/KG		U									
2,4-DIMETHYLPHENOL				370.00 UG/KG		U									
2,4-DINITROPHENOL				1800.00 UG/KG		U									
2,4-DINITROTOLUENE				370.00 UG/KG		U									
2,6-DINITROTOLUENE				370.00 UG/KG		U									
2-CHLORONAPHTHALENE				370.00 UG/KG		U									
2-CHLOROPHENOL				370.00 UG/KG		U									
2-METHYLNAPHTHALENE				370.00 UG/KG		U									
2-METHYLPHENOL				370.00 UG/KG		U									
2-NITROANILINE				1800.00 UG/KG		U									
2-NITROPHENOL				370.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				750.00 UG/KG		U									
3-NITROANILINE				1800.00 UG/KG		U									
4,6-DINITRO-2-METHYLPHENOL				1800.00 UG/KG		U									
4-BROMOPHENYL PHENYL ETHER				370.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				370.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				370.00 UG/KG		U									
4-METHYLPHENOL				370.00 UG/KG		U									
4-NITROANILINE				1800.00 UG/KG		U									
4-NITROPHENOL				1800.00 UG/KG		U									
ACENAPHTHENE				370.00 UG/KG		U									
ACENAPHTHYLENE				370.00 UG/KG		U									
ANTHRACENE				370.00 UG/KG		U									
BENZO(A)ANTHRACENE				370.00 UG/KG		U									
BENZO(A)PYRENE				370.00 UG/KG		U									
BENZO(B)FLUORANTHENE				370.00 UG/KG		U									
BENZO(G,H,I)PERYLENE				370.00 UG/KG		U									
BENZO(K)FLUORANTHENE				370.00 UG/KG		U									
BENZOIC ACID				1800.00 UG/KG		U									
BENZYL ALCOHOL				370.00 UG/KG		U									
BIS(2-CHLOROETHOXY)METHANE				370.00 UG/KG		U									
BIS(2-CHLOROETHYL)ETHER				370.00 UG/KG		U									
BIS(2-CHLOROISOPROPYL) ETHER				370.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				370.00 UG/KG		U									
BUTYL BENZYL PHTHALATE				370.00 UG/KG		U									
CHRYSENE				370.00 UG/KG		U									
DI-N-BUTYL PHTHALATE				370.00 UG/KG		U									
DI-N-OCTYL PHTHALATE				370.00 UG/KG		UJ									
DIBENZO(A,H)ANTHRACENE				370.00 UG/KG		U									
DIBENZOFURAN				370.00 UG/KG		U									
DIETHYL PHTHALATE				370.00 UG/KG		U									

SAMPLE NUMBER:	099563			099579			099580			099581			099583		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
DIMETHYL PHTHALATE				370.00 UG/KG		U									
FLUORANTHENE				370.00 UG/KG		U									
FLUORENE				370.00 UG/KG		U									
HEXACHLOROBENZENE				370.00 UG/KG		U									
HEXACHLOROBUTADIENE				370.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				370.00 UG/KG		UJ									
HEXACHLOROETHANE				370.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				370.00 UG/KG		U									
ISOPHORONE				370.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				370.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				370.00 UG/KG		U									
NAPHTHALENE				370.00 UG/KG		U									
NITROBENZENE				370.00 UG/KG		U									
P-CHLOROANILINE				370.00 UG/KG		U									
PENTACHLOROPHENOL				1800.00 UG/KG		U									
PHENANTHRENE				370.00 UG/KG		U									
PHENOL				370.00 UG/KG		U									
PYRENE				370.00 UG/KG		U									
TRIBUTYL PHOSPHATE				370.00 UG/KG		UJ									

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099548	099549	099550	099554	099571
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:		IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	13-14	14-15	15-16	19-20	24-25
DATE COLLECTED:	22-MAY-91	22-MAY-91	22-MAY-91	22-MAY-91	23-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238				1.59 PCI/G	.26	-				1.12 PCI/G	.22	-	1.10 PCI/G	.2	-
URANIUM, TOTAL				5.35 MG/KG	2.56	J				3.92 MG/KG	2.32	J	4.02 MG/KG	2.48	J
URANIUM-234				1.44 PCI/G	.24	-				1.39 PCI/G	.25	-	0.99 PCI/G	.18	-
THORIUM-230				1.33 PCI/G	.32	J				1.28 PCI/G	.36	J	1.32 PCI/G	.34	J
RADIUM-226				0.96 PCI/G	.12	J				0.96 PCI/G	.12	J	1.22 PCI/G	.14	J
LEAD-210				0.77 PCI/G	.4	J				0.95 PCI/G	.38	J	0.79 PCI/G	.395	J
POLONIUM-210				1.92 PCI/G	.53	J				1.46 PCI/G	.43	J	32.50 PCI/G	4.9	J
URANIUM-235/236				0.60 PCI/G		U				0.60 PCI/G		U	0.60 PCI/G		U
THORIUM-232				1.06 PCI/G	.28	J				0.89 PCI/G	.29	J	0.89 PCI/G	.27	J
THORIUM, TOTAL				9.59 MG/KG	2.48	J				8.07 MG/KG	2.65	J	8.03 MG/KG	2.43	J
RADIUM-228				0.70 PCI/G	.19	J				0.96 PCI/G	.2	J	1.14 PCI/G	.22	J
THORIUM-228				1.45 PCI/G	.33	J				1.17 PCI/G	.34	J	1.33 PCI/G	.34	J
NEPTUNIUM-237				0.60 PCI/G		U				0.60 PCI/G		U	0.60 PCI/G		UJ
PLUTONIUM-239/240				0.60 PCI/G		U				0.60 PCI/G		U	0.60 PCI/G		U
PLUTONIUM-238				0.60 PCI/G		U				0.60 PCI/G		U	0.60 PCI/G		U
STRONTIUM-90				0.50 PCI/G		U				0.50 PCI/G		U	0.50 PCI/G		U
TECHNETIUM-99				1.00 PCI/G		UJ				1.00 PCI/G		UJ	1.00 PCI/G		UJ
RUTHENIUM-106				1.00 PCI/G		UJ				1.00 PCI/G		UJ	1.00 PCI/G		UJ
CESIUM-137				0.20 PCI/G		UJ				0.20 PCI/G		UJ	0.20 PCI/G		UJ
ACTINIUM-227				0.60 PCI/G		UJ				0.60 PCI/G		UJ	0.60 PCI/G		UJ
PROTACTINIUM-231				1.50 PCI/G		UJ				1.50 PCI/G		UJ	1.60 PCI/G		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE							6.00 UG/KG		U						
1,1,2,2-TETRACHLOROETHANE							6.00 UG/KG		U						
1,1,2-TRICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHENE							6.00 UG/KG		U						
1,2-DICHLOROETHANE							6.00 UG/KG		U						

SAMPLE NUMBER:	099548			099549			099550			099554			099571		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
VOLATILES															
1,2-DICHLOROETHENE (TOTAL)							6.00 UG/KG		U						
1,2-DICHLOROPROPANE							6.00 UG/KG		U						
2-BUTANONE							6.00 UG/KG		J						
2-HEXANONE							12.00 UG/KG		U						
4-METHYL-2-PENTANONE							12.00 UG/KG		U						
ACETONE							12.00 UG/KG		-						
BENZENE							6.00 UG/KG		U						
BROMODICHLOROMETHANE							6.00 UG/KG		U						
BROMOFORM							6.00 UG/KG		U						
BROMOMETHANE							12.00 UG/KG		U						
CARBON DISULFIDE							6.00 UG/KG		U						
CARBON TETRACHLORIDE							6.00 UG/KG		U						
CHLOROBENZENE							6.00 UG/KG		U						
CHLOROETHANE							12.00 UG/KG		U						
CHLOROFORM							6.00 UG/KG		U						
CHLOROMETHANE							12.00 UG/KG		U						
CIS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
DIBROMOCHLOROMETHANE							6.00 UG/KG		U						
ETHYLBENZENE							6.00 UG/KG		U						
METHYLENE CHLORIDE							4.00 UG/KG		J						
STYRENE							6.00 UG/KG		U						
TETRACHLOROETHENE							6.00 UG/KG		U						
TOLUENE							6.00 UG/KG		J						
TRANS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
TRICHLOROETHENE							6.00 UG/KG		U						
VINYL ACETATE							12.00 UG/KG		U						
VINYL CHLORIDE							12.00 UG/KG		U						
XYLENES, TOTAL							6.00 UG/KG		U						

SAMPLE NUMBER:	099572			099573			099576			099593			099594		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
1,3-DICHLOROBENZENE										410.00 UG/KG		U			
1,4-DICHLOROBENZENE										410.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL										2000.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL										410.00 UG/KG		U			
2,4-DICHLOROPHENOL										410.00 UG/KG		U			
2,4-DIMETHYLPHENOL										410.00 UG/KG		U			
2,4-DINITROPHENOL										2000.00 UG/KG		UJ			
2,4-DINITROTOLUENE										410.00 UG/KG		U			
2,6-DINITROTOLUENE										410.00 UG/KG		U			
2-CHLORONAPHTHALENE										410.00 UG/KG		U			
2-CHLOROPHENOL										410.00 UG/KG		U			
2-METHYLNAPHTHALENE										410.00 UG/KG		U			
2-METHYLPHENOL										410.00 UG/KG		U			
2-NITROANILINE										2000.00 UG/KG		U			
2-NITROPHENOL										410.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE										820.00 UG/KG		U			
3-NITROANILINE										2000.00 UG/KG		U			
4,6-DINITRO-2-METHYLPHENOL										2000.00 UG/KG		UJ			
4-BROMOPHENYL PHENYL ETHER										410.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL										410.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER										410.00 UG/KG		U			
4-METHYLPHENOL										410.00 UG/KG		U			
4-NITROANILINE										2000.00 UG/KG		U			
4-NITROPHENOL										2000.00 UG/KG		U			
ACENAPHTHENE										410.00 UG/KG		U			
ACENAPHTHYLENE										410.00 UG/KG		U			
ANTHRACENE										410.00 UG/KG		U			
BENZO(A)ANTHRACENE										410.00 UG/KG		U			
BENZO(A)PYRENE										410.00 UG/KG		U			
BENZO(B)FLUORANTHENE										410.00 UG/KG		U			
BENZO(G,H,I)PERYLENE										410.00 UG/KG		U			
BENZO(K)FLUORANTHENE										410.00 UG/KG		U			
BENZOIC ACID										2000.00 UG/KG		UJ			
BENZYL ALCOHOL										410.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE										410.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER										410.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER										410.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE										410.00 UG/KG		U			
BUTYL BENZYL PHTHALATE										410.00 UG/KG		U			
CHRYSENE										410.00 UG/KG		U			
DI-N-BUTYL PHTHALATE										410.00 UG/KG		U			
DI-N-OCTYL PHTHALATE										410.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE										410.00 UG/KG		U			
DIBENZOFURAN										410.00 UG/KG		U			
DIETHYL PHTHALATE										410.00 UG/KG		U			

SAMPLE NUMBER:	099572			099573			099576			099593			099594		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
DIMETHYL PHTHALATE										410.00 UG/KG		U			
FLUORANTHENE										410.00 UG/KG		U			
FLUORENE										410.00 UG/KG		U			
HEXACHLOROBENZENE										410.00 UG/KG		U			
HEXACHLOROBUTADIENE										410.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE										410.00 UG/KG		U			
HEXACHLOROETHANE										410.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE										410.00 UG/KG		U			
ISOPHORONE										410.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE										410.00 UG/KG		U			
N-NITROSODIPHENYLAMINE										410.00 UG/KG		U			
NAPHTHALENE										410.00 UG/KG		U			
NITROBENZENE										410.00 UG/KG		U			
P-CHLOROANILINE										410.00 UG/KG		U			
PENTACHLOROPHENOL										2000.00 UG/KG		U			
PHENANTHRENE										410.00 UG/KG		U			
PHENOL										110.00 UG/KG		U			
PYRENE										410.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE	6.00 UG/KG		U												
1,1,2,2-TETRACHLOROETHANE	6.00 UG/KG		U												
1,1,2-TRICHLOROETHANE	6.00 UG/KG		U												
1,1-DICHLOROETHANE	6.00 UG/KG		U												
1,1-DICHLOROETHENE	6.00 UG/KG		U												
1,2-DICHLOROETHANE	6.00 UG/KG		U												
1,2-DICHLOROETHENE (TOTAL)	6.00 UG/KG		U												
1,2-DICHLOROPROPANE	6.00 UG/KG		U												
2-BUTANONE	10.00 UG/KG		J												
2-HEXANONE	13.00 UG/KG		U												
4-METHYL-2-PENTANONE	13.00 UG/KG		U												
ACETONE	23.00 UG/KG		-												
BENZENE	6.00 UG/KG		U												
BROMODICHLOROMETHANE	6.00 UG/KG		U												
BROMOFORM	6.00 UG/KG		U												
BROMOMETHANE	13.00 UG/KG		U												
CARBON DISULFIDE	6.00 UG/KG		U												
CARBON TETRACHLORIDE	6.00 UG/KG		U												
CHLOROBENZENE	6.00 UG/KG		U												
CHLOROETHANE	13.00 UG/KG		U												
CHLOROFORM	6.00 UG/KG		U												
CHLOROMETHANE	13.00 UG/KG		U												
CIS-1,3-DICHLOROPROPENE	6.00 UG/KG		U												
DIBROMOCHLOROMETHANE	6.00 UG/KG		U												

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099572			099573			099576			099593			099594		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
ETHYLBENZENE	6.00 UG/KG		U												
METHYLENE CHLORIDE	4.00 UG/KG		J												
STYRENE	6.00 UG/KG		U												
TETRACHLOROETHENE	6.00 UG/KG		U												
TOLUENE	6.00 UG/KG		U												
TRANS-1,3-DICHLOROPROPENE	6.00 UG/KG		U												
TRICHLOROETHENE	6.00 UG/KG		U												
VINYL ACETATE	13.00 UG/KG		U												
VINYL CHLORIDE	13.00 UG/KG		U												
XYLENES, TOTAL	6.00 UG/KG		U												

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099595	099596	099588	099590	099592
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT		IT		IT
WELL OR BORING NUMBER:	1622	1622	1622	1622	1622
DEPTH:	0-10	0-10	0-1	2-3	4-5
DATE COLLECTED:	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	NONE-NA	-	NONE-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)
INORGANICS															
ALUMINUM	10100.00 MG/KG		-												
ANTIMONY	19.10 MG/KG		J												
ARSENIC	5.60 MG/KG		-												
BARIUM	69.60 MG/KG		-												
BERYLLIUM	0.67 MG/KG		-												
CADMIUM	2.60 MG/KG		J												
CALCIUM	30000.00 MG/KG		J												
CHROMIUM	16.40 MG/KG		-												
COBALT	11.30 MG/KG		-												
COPPER	19.30 MG/KG		J												
IRON	20900.00 MG/KG		J												
LEAD	11.90 MG/KG		-												
MAGNESIUM	6390.00 MG/KG		-												
MANGANESE	395.00 MG/KG		-												
MOLYBDENUM	2.40 MG/KG		-												
NICKEL	21.70 MG/KG		-												
POTASSIUM	711.00 MG/KG		-												
SELENIUM	0.48 MG/KG		UJ												
SILVER	5.80 MG/KG		-												
SODIUM	77.70 MG/KG		-												
THALLIUM	0.71 MG/KG		J												
VANADIUM	24.60 MG/KG		-												
ZINC	48.60 MG/KG		-												
RADIONUCLIDES															
URANIUM-238													1.13 PCI/G	.22	-
URANIUM, TOTAL													6.46 MG/KG	2.6	R
URANIUM-234													1.34 PCI/G	.24	
THORIUM-230													2.83 PCI/G	.65	

SAMPLE NUMBER:	099595			099596			099588			099590			099592		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
RADIONUCLIDES															
RADIUM-226													1.62 PCI/G	.16	R
LEAD-210													1.39 PCI/G	.39	J
POLONIUM-210													2.22 PCI/G	.83	J
URANIUM-235/236													0.60 PCI/G		U
THORIUM-232													1.45 PCI/G	.42	-
THORIUM, TOTAL													13.10 MG/KG	3.7	-
RADIUM-228													1.32 PCI/G	.2	R
THORIUM-228													1.49 PCI/G	.42	-
ACTINIUM-227													0.60 PCI/G		U
PROTACTINIUM-231													1.70 PCI/G		R
RADIUM-224													1.20 PCI/G	1.53	R
VOLATILES															
1,1,1-TRICHLOROETHANE							6.00 UG/KG		U						
1,1,2,2-TETRACHLOROETHANE							6.00 UG/KG		U						
1,1,2-TRICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHENE							6.00 UG/KG		U						
1,2-DICHLOROETHANE							6.00 UG/KG		U						
1,2-DICHLOROETHENE (TOTAL)							6.00 UG/KG		U						
1,2-DICHLOROPROPANE							6.00 UG/KG		U						
2-BUTANONE							12.00 UG/KG		U						
2-HEXANONE							12.00 UG/KG		UJ						
4-METHYL-2-PENTANONE							12.00 UG/KG		U						
ACETONE							12.00 UG/KG		UJ						
BENZENE							6.00 UG/KG		U						
BROMODICHLOROMETHANE							6.00 UG/KG		U						
BROMOFORM							6.00 UG/KG		U						
BROMOMETHANE							12.00 UG/KG		U						
CARBON DISULFIDE							6.00 UG/KG		U						
CARBON TETRACHLORIDE							6.00 UG/KG		U						
CHLOROBENZENE							6.00 UG/KG		U						
CHLOROETHANE							12.00 UG/KG		U						
CHLOROFORM							6.00 UG/KG		U						
CHLOROMETHANE							12.00 UG/KG		U						
CIS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
DIBROMOCHLOROMETHANE							6.00 UG/KG		U						
ETHYLBENZENE							6.00 UG/KG		U						
METHYLENE CHLORIDE							6.00 UG/KG		U						
STYRENE							6.00 UG/KG		U						
TETRACHLOROETHENE							6.00 UG/KG		U						
TOLUENE							2.00 UG/KG		J						
TRANS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
TRICHLOROETHENE							6.00 UG/KG		U						

SAMPLE NUMBER:	099595			099596			099588			099590			099592		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
VOLATILES															
VINYL ACETATE							12.00 UG/KG		U						
VINYL CHLORIDE							12.00 UG/KG		U						
XYLENES, TOTAL							6.00 UG/KG		U						

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099600	099601	099602	099603	099606
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:		IT	IT		IT
WELL OR BORING NUMBER:	1622	1622	1622	1622	1622
DEPTH:	13-14	14-15	15-16	16-17	19-20
DATE COLLECTED:	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	NONE-NA	-	NONE-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)
RADIONUCLIDES															
URANIUM-238				0.75 PCI/G	.16	-							1.29 PCI/G	.24	-
URANIUM, TOTAL				1.99 MG/KG	1.8	-							9.56 MG/KG	2.1	-
URANIUM-234				0.81 PCI/G	.17	-							1.34 PCI/G	.24	-
THORIUM-230				0.95 PCI/G	.45	-							0.90 PCI/G	.39	-
RADIUM-226				0.65 PCI/G	.09	J							0.62 PCI/G	.09	J
LEAD-210				0.62 PCI/G	.3	J							0.69 PCI/G	.28	J
POLONIUM-210				1.03 PCI/G	.53	J							1.44 PCI/G	.46	J
URANIUM-235/236				0.60 PCI/G		U							0.60 PCI/G		U
THORIUM-232				0.60 PCI/G		U							0.60 PCI/G		U
THORIUM, TOTAL				4.00 MG/KG		U							3.57 MG/KG	2.48	-
RADIUM-228				0.53 PCI/G	.14	J							0.53 PCI/G	.15	J
THORIUM-228				1.84 PCI/G	.65	-							1.58 PCI/G	.54	-
ACTINIUM-227				0.60 PCI/G		UJ							0.60 PCI/G		UJ
PROTACTINIUM-231				1.30 PCI/G		UJ							1.30 PCI/G		UJ
RADIUM-224				0.55 PCI/G	.09	J							0.57 PCI/G	.09	J
VOLATILES															
1,1,1-TRICHLOROETHANE							6.00 UG/KG		U						
1,1,2,2-TETRACHLOROETHANE							6.00 UG/KG		U						
1,1,2-TRICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHANE							6.00 UG/KG		UJ						
1,1-DICHLOROETHENE							6.00 UG/KG		U						
1,2-DICHLOROETHANE							6.00 UG/KG		U						
1,2-DICHLOROETHENE (TOTAL)							6.00 UG/KG		U						
1,2-DICHLOROPROPANE							6.00 UG/KG		U						
2-BUTANONE							12.00 UG/KG		UJ						
2-HEXANONE							12.00 UG/KG		U						
4-METHYL-2-PENTANONE							12.00 UG/KG		U						
ACETONE							12.00 UG/KG		UJ						

SAMPLE NUMBER:	099600			099601			099602			099603			099606		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
VOLATILES															
BENZENE							6.00 UG/KG		U						
BROMODICHLOROMETHANE							6.00 UG/KG		U						
BROMOFORM							6.00 UG/KG		U						
BROMOMETHANE							12.00 UG/KG		U						
CARBON DISULFIDE							6.00 UG/KG		U						
CARBON TETRACHLORIDE							6.00 UG/KG		U						
CHLOROBENZENE							6.00 UG/KG		U						
CHLOROETHANE							12.00 UG/KG		U						
CHLOROFORM							6.00 UG/KG		U						
CHLOROMETHANE							12.00 UG/KG		U						
CIS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
DIBROMOCHLOROMETHANE							6.00 UG/KG		U						
ETHYLBENZENE							6.00 UG/KG		U						
METHYLENE CHLORIDE							6.00 UG/KG		U						
STYRENE							6.00 UG/KG		U						
TETRACHLOROETHENE							6.00 UG/KG		U						
TOLUENE							6.00 UG/KG		-						
TRANS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
TRICHLOROETHENE							6.00 UG/KG		U						
VINYL ACETATE							12.00 UG/KG		U						
VINYL CHLORIDE							12.00 UG/KG		U						
XYLENES, TOTAL							6.00 UG/KG		U						

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099607	099608	099609	099610	099612
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	
WELL OR BORING NUMBER:	1622	1622	1622	1622	1622
DEPTH:	10-20	10-20	10-20	10-20	10-20
DATE COLLECTED:	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM							4530.00 MG/KG		-						
ANTIMONY							32.90 MG/KG		UR						
ARSENIC							4.10 MG/KG		-						
BARIUM							30.50 MG/KG		-						
BERYLLIUM							2.20 MG/KG		U						
CADMIUM							7.50 MG/KG		-						
CALCIUM							161000.00 MG/KG		-						
CHROMIUM							20.80 MG/KG		-						
COBALT							11.00 MG/KG		U						
COPPER							20.50 MG/KG		-						
CYANIDE										1.20 MG/KG		-			
IRON							11200.00 MG/KG		-						
LEAD							6.10 MG/KG		R						
MAGNESIUM							40700.00 MG/KG		-						
MANGANESE							330.00 MG/KG		-						
MERCURY	0.11 MG/KG		U												
MOLYBDENUM							11.00 MG/KG		U						
NICKEL							31.70 MG/KG		-						
POTASSIUM							993.00 MG/KG		-						
SELENIUM							0.44 MG/KG		U						
SILVER							19.20 MG/KG		-						
SODIUM							237.00 MG/KG		-						
THALLIUM							0.44 MG/KG		U						
VANADIUM							21.80 MG/KG		-						
ZINC							30.70 MG/KG		-						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				390.00 UG/KG		U									
1,2-DICHLOROBENZENE				390.00 UG/KG		U									

SAMPLE NUMBER:	099607			099608			099609			099610			099612		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
1,3-DICHLOROBENZENE				390.00 UG/KG		U									
1,4-DICHLOROBENZENE				390.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				1900.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				390.00 UG/KG		U									
2,4-DICHLOROPHENOL				390.00 UG/KG		U									
2,4-DIMETHYLPHENOL				390.00 UG/KG		U									
2,4-DINITROPHENOL				1900.00 UG/KG		UJ									
2,4-DINITROTOLUENE				390.00 UG/KG		U									
2,6-DINITROTOLUENE				390.00 UG/KG		U									
2-CHLORONAPHTHALENE				390.00 UG/KG		U									
2-CHLOROPHENOL				390.00 UG/KG		U									
2-METHYLNAPHTHALENE				390.00 UG/KG		U									
2-METHYLPHENOL				390.00 UG/KG		U									
2-NITROANILINE				1900.00 UG/KG		U									
2-NITROPHENOL				390.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				770.00 UG/KG		U									
3-NITROANILINE				1900.00 UG/KG		UJ									
4,6-DINITRO-2-METHYLPHENOL				1900.00 UG/KG		UJ									
4-BROMOPHENYL PHENYL ETHER				390.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				390.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				390.00 UG/KG		U									
4-METHYLPHENOL				390.00 UG/KG		U									
4-NITROANILINE				1900.00 UG/KG		U									
4-NITROPHENOL				1900.00 UG/KG		U									
ACENAPHTHENE				390.00 UG/KG		U									
ACENAPHTHYLENE				390.00 UG/KG		U									
ANTHRACENE				390.00 UG/KG		U									
BENZO(A)ANTHRACENE				390.00 UG/KG		U									
BENZO(A)PYRENE				390.00 UG/KG		U									
BENZO(B)FLUORANTHENE				390.00 UG/KG		U									
BENZO(G,H,I)PERYLENE				390.00 UG/KG		U									
BENZO(K)FLUORANTHENE				390.00 UG/KG		U									
BENZOIC ACID				1900.00 UG/KG		UJ									
BENZYL ALCOHOL				390.00 UG/KG		U									
BIS(2-CHLOROETHOXY)METHANE				390.00 UG/KG		U									
BIS(2-CHLOROETHYL)ETHER				390.00 UG/KG		U									
BIS(2-CHLOROISOPROPYL) ETHER				390.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				390.00 UG/KG		U									
BUTYL BENZYL PHTHALATE				390.00 UG/KG		U									
CHRYSENE				390.00 UG/KG		U									
DI-N-BUTYL PHTHALATE				390.00 UG/KG		U									
DI-N-OCTYL PHTHALATE				97.00 UG/KG		J									
DIBENZO(A,H)ANTHRACENE				390.00 UG/KG		U									
DIBENZOFURAN				390.00 UG/KG		U									
DIETHYL PHTHALATE				390.00 UG/KG		U									

SAMPLE NUMBER:	099607			099608			099609			099610			099612		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
DIMETHYL PHTHALATE				390.00 UG/KG		U									
FLUORANTHENE				390.00 UG/KG		U									
FLUORENE				390.00 UG/KG		U									
HEXACHLOROBENZENE				390.00 UG/KG		U									
HEXACHLOROBUTADIENE				390.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				390.00 UG/KG		U									
HEXACHLOROETHANE				390.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				390.00 UG/KG		U									
ISOPHORONE				390.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				390.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				390.00 UG/KG		U									
NAPHTHALENE				390.00 UG/KG		U									
NITROBENZENE				390.00 UG/KG		U									
P-CHLOROANILINE				390.00 UG/KG		U									
PENTACHLOROPHENOL				1900.00 UG/KG		U									
PHENANTHRENE				390.00 UG/KG		U									
PHENOL				390.00 UG/KG		U									
PYRENE				390.00 UG/KG		U									
TRIBUTYL PHOSPHATE				390.00 UG/KG		U									

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099617	099618	099619	099623	099624
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:		IT	IT	IT	IT
WELL OR BORING NUMBER:	1622	1622	1622	1622	1622
DEPTH:	23-24	24-25	25-26	29-30	20-30
DATE COLLECTED:	30-MAY-91	31-MAY-91	31-MAY-91	31-MAY-91	31-MAY-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	-	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
MERCURY													0.12 MG/KG		U
RADIONUCLIDES															
URANIUM-238				1.38 PCI/G	.24	-				24.70 PCI/G	3.4	J			
URANIUM, TOTAL				14.30 MG/KG	2.9	-				186.00 MG/KG	34	-			
URANIUM-234				1.11 PCI/G	.21	-				24.20 PCI/G	3.4	J			
THORIUM-230				1.01 PCI/G	.31	-				51.20 PCI/G	7.6	-			
RADIUM-226				1.12 PCI/G	.13	J				876.00 PCI/G	51	J			
LEAD-210				1.54 PCI/G	.45	J				417.00 PCI/G	42	J			
POLONIUM-210				1.60 PCI/G	.49	J				943.00 PCI/G	175	J			
URANIUM-235/236				0.60 PCI/G		U				1.31 PCI/G	.43	J			
THORIUM-232				0.92 PCI/G	.29	-				1.08 PCI/G	.29	-			
THORIUM, TOTAL				8.32 MG/KG	2.63	-				9.72 MG/KG	2.6	-			
RADIUM-228				1.11 PCI/G	.21	J				2.50 PCI/G		UJ			
THORIUM-228				1.43 PCI/G	.38	-				14.90 PCI/G	2.3	-			
ACTINIUM-227				0.60 PCI/G		UJ				0.60 PCI/G		UJ			
PROTACTINIUM-231				1.90 PCI/G		UJ				25.30 PCI/G	8.7	J			
RADIUM-224				1.09 PCI/G	.15	J				1.68 PCI/G	.7	J			
VOLATILES															
1,1,1-TRICHLOROETHANE							6.00 UG/KG		U						
1,1,2,2-TETRACHLOROETHANE							6.00 UG/KG		U						
1,1,2-TRICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHANE							6.00 UG/KG		U						
1,1-DICHLOROETHENE							6.00 UG/KG		U						
1,2-DICHLOROETHANE							6.00 UG/KG		UJ						
1,2-DICHLOROETHENE (TOTAL)							6.00 UG/KG		U						
1,2-DICHLOROPROPANE							6.00 UG/KG		U						

SAMPLE NUMBER:	099617			099618			099619			099623			099624		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
VOLATILES															
2-BUTANONE							12.00 UG/KG		UJ						
2-HEXANONE							12.00 UG/KG		UJ						
4-METHYL-2-PENTANONE							12.00 UG/KG		U						
ACETONE							25.00 UG/KG		UJ						
BENZENE							6.00 UG/KG		UJ						
BROMODICHLOROMETHANE							6.00 UG/KG		U						
BROMOFORM							6.00 UG/KG		U						
BROMOMETHANE							12.00 UG/KG		U						
CARBON DISULFIDE							6.00 UG/KG		U						
CARBON TETRACHLORIDE							6.00 UG/KG		U						
CHLOROBENZENE							6.00 UG/KG		UJ						
CHLOROETHANE							12.00 UG/KG		U						
CHLOROFORM							6.00 UG/KG		U						
CHLOROMETHANE							12.00 UG/KG		U						
CIS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
DIBROMOCHLOROMETHANE							6.00 UG/KG		U						
ETHYLBENZENE							6.00 UG/KG		UJ						
METHYLENE CHLORIDE							6.00 UG/KG		U						
STYRENE							6.00 UG/KG		UJ						
TETRACHLOROETHENE							6.00 UG/KG		U						
TOLUENE							4.00 UG/KG		J						
TRANS-1,3-DICHLOROPROPENE							6.00 UG/KG		U						
TRICHLOROETHENE							6.00 UG/KG		U						
VINYL ACETATE							12.00 UG/KG		U						
VINYL CHLORIDE							12.00 UG/KG		U						
XYLENES, TOTAL							6.00 UG/KG		UJ						

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099625			099626			099627			099633			099634		
TASK:	40.03.02			40.03.02			40.03.02			40.03.02			40.03.02		
LAB:	IT			IT			IT			IT					
WELL OR BORING NUMBER:	1622			1622			1622			1623			1623		
DEPTH:	20-30			20-30			20-30			5-5.50			6-6.50		
DATE COLLECTED:	31-MAY-91			31-MAY-91			31-MAY-91			03-JUN-91			03-JUN-91		
NORTH COORDINATE:	480401.61			480401.61			480401.61			480515.1			480515.1		
EAST COORDINATE:	1378528.95			1378528.95			1378528.95			1378532.07			1378532.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-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)
INORGANICS															
ALUMINUM				10500.00 MG/KG		-									
ANTIMONY				18.60 MG/KG		J									
ARSENIC				8.30 MG/KG		J									
BARIUM				86.40 MG/KG		-									
BERYLLIUM				0.81 MG/KG		-									
CADMIUM				2.50 MG/KG		-									
CALCIUM				11600.00 MG/KG		J									
CHROMIUM				15.70 MG/KG		-									
COBALT				12.60 MG/KG		-									
COPPER				19.50 MG/KG		-									
CYANIDE							0.12 MG/KG		U						
IRON				25800.00 MG/KG		-									
LEAD				12.20 MG/KG		-									
MAGNESIUM				5070.00 MG/KG		-									
MANGANESE				228.00 MG/KG		-									
MOLYBDENUM				2.90 MG/KG		-									
NICKEL				22.20 MG/KG		-									
POTASSIUM				546.00 MG/KG		-									
SELENIUM				0.48 MG/KG		UJ									
SILVER				3.60 MG/KG		-									
SODIUM				47.80 MG/KG		-									
THALLIUM				0.48 MG/KG		U									
VANADIUM				27.70 MG/KG		-									
ZINC				47.10 MG/KG		-									
RADIONUCLIDES															
URANIUM-238										1.26 PCI/G	.23	-			
URANIUM, TOTAL										10.50 MG/KG	2.5	J			
URANIUM-234										1.26 PCI/G	.23	-			

SAMPLE NUMBER:	099625			099626			099627			099633			099634		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
RADIONUCLIDES															
THORIUM-230										1.69 PCI/G	.39	-			
RADIUM-226										1.04 PCI/G	.13	J			
LEAD-210										0.98 PCI/G	.39	J			
POLONIUM-210										1.68 PCI/G	.52	J			
URANIUM-235/236										0.60 PCI/G		U			
THORIUM-232										0.95 PCI/G	.27	-			
THORIUM, TOTAL										8.53 MG/KG	2.42	-			
RADIUM-228										0.98 PCI/G	.2	J			
THORIUM-228										1.52 PCI/G	.36	-			
ACTINIUM-227										0.60 PCI/G		UJ			
PROTACTINIUM-231										1.70 PCI/G		UJ			
RADIUM-224										1.02 PCI/G	.14	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	400.00 UG/KG		U												
1,2-DICHLOROBENZENE	400.00 UG/KG		U												
1,3-DICHLOROBENZENE	400.00 UG/KG		U												
1,4-DICHLOROBENZENE	400.00 UG/KG		U												
2,4,5-TRICHLOROPHENOL	2000.00 UG/KG		U												
2,4,6-TRICHLOROPHENOL	400.00 UG/KG		U												
2,4-DICHLOROPHENOL	400.00 UG/KG		U												
2,4-DIMETHYLPHENOL	400.00 UG/KG		U												
2,4-DINITROPHENOL	2000.00 UG/KG		UJ												
2,4-DINITROTOLUENE	400.00 UG/KG		U												
2,6-DINITROTOLUENE	400.00 UG/KG		U												
2-CHLORONAPHTHALENE	400.00 UG/KG		U												
2-CHLOROPHENOL	400.00 UG/KG		U												
2-METHYLNAPHTHALENE	400.00 UG/KG		U												
2-METHYLPHENOL	400.00 UG/KG		U												
2-NITROANILINE	2000.00 UG/KG		U												
2-NITROPHENOL	400.00 UG/KG		U												
3,3'-DICHLOROBENZIDINE	810.00 UG/KG		U												
3-NITROANILINE	2000.00 UG/KG		UJ												
4,6-DINITRO-2-METHYLPHENOL	2000.00 UG/KG		UJ												
4-BROMOPHENYL PHENYL ETHER	400.00 UG/KG		U												
4-CHLORO-3-METHYLPHENOL	400.00 UG/KG		U												
4-CHLOROPHENYLPHENYL ETHER	400.00 UG/KG		U												
4-METHYLPHENOL	400.00 UG/KG		U												
4-NITROANILINE	2000.00 UG/KG		U												
4-NITROPHENOL	2000.00 UG/KG		U												
ACENAPHTHENE	400.00 UG/KG		U												
ACENAPHTHYLENE	400.00 UG/KG		U												
ANTHRACENE	400.00 UG/KG		U												
BENZO(A)ANTHRACENE	400.00 UG/KG		U												

SAMPLE NUMBER:	099625			099626			099627			099633			099634		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
BENZO(A)PYRENE	400.00 UG/KG		U												
BENZO(B)FLUORANTHENE	400.00 UG/KG		U												
BENZO(G,H,I)PERYLENE	400.00 UG/KG		U												
BENZO(K)FLUORANTHENE	400.00 UG/KG		U												
BENZOIC ACID	2000.00 UG/KG		UJ												
BENZYL ALCOHOL	400.00 UG/KG		U												
BIS(2-CHLOROETHOXY)METHANE	400.00 UG/KG		U												
BIS(2-CHLOROETHYL)ETHER	400.00 UG/KG		U												
BIS(2-CHLOROISOPROPYL) ETHER	400.00 UG/KG		U												
BIS(2-ETHYLHEXYL)PHTHALATE	400.00 UG/KG		U												
BUTYL BENZYL PHTHALATE	400.00 UG/KG		U												
CHRYSENE	400.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	400.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	82.00 UG/KG		J												
DIBENZO(A,H)ANTHRACENE	400.00 UG/KG		U												
DIBENZOFURAN	400.00 UG/KG		U												
DIETHYL PHTHALATE	120.00 UG/KG		J												
DIMETHYL PHTHALATE	400.00 UG/KG		U												
FLUORANTHENE	400.00 UG/KG		U												
FLUORENE	400.00 UG/KG		U												
HEXACHLOROBENZENE	400.00 UG/KG		U												
HEXACHLOROBUTADIENE	400.00 UG/KG		U												
HEXACHLOROCYCLOPENTADIENE	400.00 UG/KG		U												
HEXACHLOROETHANE	400.00 UG/KG		U												
INDENO(1,2,3-CD)PYRENE	400.00 UG/KG		U												
ISOPHORONE	400.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	400.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	400.00 UG/KG		U												
NAPHTHALENE	400.00 UG/KG		U												
NITROBENZENE	400.00 UG/KG		U												
P-CHLOROANILINE	400.00 UG/KG		U												
PENTACHLOROPHENOL	2000.00 UG/KG		U												
PHENANTHRENE	400.00 UG/KG		U												
PHENOL	200.00 UG/KG		U												
PYRENE	400.00 UG/KG		U												
TRIBUTYL PHOSPHATE	400.00 UG/KG		U												

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099653	099654	099659	099660	099661
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT		IT	IT	IT
WELL OR BORING NUMBER:	1623	1623	1623	1623	1623
DEPTH:	15-15.5	16-16.5	16-16.5	16-16.5	16-16.5
DATE COLLECTED:	04-JUN-91	04-JUN-91	04-JUN-91	04-JUN-91	04-JUN-91
NORTH COORDINATE:	480515.1	480515.1	480515.1	480515.1	480515.1
EAST COORDINATE:	1378532.07	1378532.07	1378532.07	1378532.07	1378532.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM													10800.00 MG/KG		-
ANTIMONY													14.60 MG/KG		J
ARSENIC													5.00 MG/KG		-
BARIUM													72.20 MG/KG		-
BERYLLIUM													0.86 MG/KG		-
CADMIUM													4.30 MG/KG		-
CALCIUM													59200.00 MG/KG		-
CHROMIUM													17.50 MG/KG		-
COBALT													10.80 MG/KG		-
COPPER													22.10 MG/KG		-
IRON													20800.00 MG/KG		-
LEAD													13.80 MG/KG		J
MAGNESIUM													22900.00 MG/KG		-
MANGANESE													547.00 MG/KG		-
MERCURY							0.11 MG/KG		UJ						
MOLYBDENUM													2.40 MG/KG		U
NICKEL													28.60 MG/KG		-
POTASSIUM													981.00 MG/KG		-
SELENIUM													0.48 MG/KG		U
SILVER													5.80 MG/KG		-
SODIUM													83.20 MG/KG		-
THALLIUM													0.48 MG/KG		U
VANADIUM													26.00 MG/KG		-
ZINC													52.40 MG/KG		-
RADIONUCLIDES															
URANIUM-238	1.22 PCI/G	.24	-												
URANIUM, TOTAL	13.30 MG/KG	3.1	J												
URANIUM-234	1.43 PCI/G	.26	-												

SAMPLE NUMBER:	099653			099654			099659			099660			099661		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
RADIONUCLIDES															
THORIUM-230	0.74 PCI/G	.33	J												
RADIUM-226	0.81 PCI/G	.12	J												
LEAD-210	0.84 PCI/G	.39	J												
POLONIUM-210	1.42 PCI/G	.88	J												
URANIUM-235/236	0.60 PCI/G		U												
THORIUM-232	0.60 PCI/G		UJ												
THORIUM, TOTAL	5.17 MG/KG	2.68	J												
RADIUM-228	0.69 PCI/G	.18	J												
THORIUM-228	0.93 PCI/G	.37	J												
ACTINIUM-227	0.60 PCI/G		UJ												
PROTACTINIUM-231	1.70 PCI/G		UJ												
RADIUM-224	0.75 PCI/G	.12	J												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										400.00 UG/KG		U			
1,2-DICHLOROBENZENE										400.00 UG/KG		U			
1,3-DICHLOROBENZENE										400.00 UG/KG		U			
1,4-DICHLOROBENZENE										400.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL										1900.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL										400.00 UG/KG		U			
2,4-DICHLOROPHENOL										400.00 UG/KG		U			
2,4-DIMETHYLPHENOL										400.00 UG/KG		U			
2,4-DINITROPHENOL										1900.00 UG/KG		UJ			
2,4-DINITROTOLUENE										400.00 UG/KG		UJ			
2,6-DINITROTOLUENE										400.00 UG/KG		U			
2-CHLORONAPHTHALENE										400.00 UG/KG		U			
2-CHLOROPHENOL										400.00 UG/KG		U			
2-METHYLNAPHTHALENE										400.00 UG/KG		U			
2-METHYLPHENOL										400.00 UG/KG		U			
2-NITROANILINE										1900.00 UG/KG		U			
2-NITROPHENOL										400.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE										800.00 UG/KG		U			
3-NITROANILINE										1900.00 UG/KG		U			
4,6-DINITRO-2-METHYLPHENOL										1900.00 UG/KG		UJ			
4-BROMOPHENYL PHENYL ETHER										400.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL										400.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER										400.00 UG/KG		U			
4-METHYLPHENOL										400.00 UG/KG		U			
4-NITROANILINE										1900.00 UG/KG		UJ			
4-NITROPHENOL										1900.00 UG/KG		U			
ACENAPHTHENE										400.00 UG/KG		U			
ACENAPHTHYLENE										400.00 UG/KG		U			
ANTHRACENE										400.00 UG/KG		U			
BENZO(A)ANTHRACENE										400.00 UG/KG		U			

SAMPLE NUMBER:	099653			099654			099659			099660			099661		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
BENZO(A)PYRENE										400.00 UG/KG		U			
BENZO(B)FLUORANTHENE										400.00 UG/KG		U			
BENZO(G,H,I)PERYLENE										400.00 UG/KG		U			
BENZO(K)FLUORANTHENE										400.00 UG/KG		U			
BENZOIC ACID										1900.00 UG/KG		UJ			
BENZYL ALCOHOL										400.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE										400.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER										400.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER										400.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE										43.00 UG/KG		J			
BUTYL BENZYL PHTHALATE										400.00 UG/KG		U			
CHRYSENE										400.00 UG/KG		U			
DI-N-BUTYL PHTHALATE										400.00 UG/KG		U			
DI-N-OCTYL PHTHALATE										44.00 UG/KG		J			
DIBENZO(A,H)ANTHRACENE										400.00 UG/KG		U			
DIBENZOFURAN										400.00 UG/KG		U			
DIETHYL PHTHALATE										400.00 UG/KG		U			
DIMETHYL PHTHALATE										400.00 UG/KG		U			
FLUORANTHENE										400.00 UG/KG		U			
FLUORENE										400.00 UG/KG		U			
HEXACHLOROBENZENE										400.00 UG/KG		U			
HEXACHLOROBUTADIENE										400.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE										400.00 UG/KG		U			
HEXACHLOROETHANE										400.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE										400.00 UG/KG		U			
ISOPHORONE										400.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE										400.00 UG/KG		U			
N-NITROSODIPHENYLAMINE										400.00 UG/KG		U			
NAPHTHALENE										400.00 UG/KG		U			
NITROBENZENE										400.00 UG/KG		U			
P-CHLOROANILINE										400.00 UG/KG		U			
PENTACHLOROPHENOL										1900.00 UG/KG		U			
PHENANTHRENE										400.00 UG/KG		U			
PHENOL										400.00 UG/KG		U			
PYRENE										400.00 UG/KG		U			
TRIBUTYL PHOSPHATE										400.00 UG/KG		UJ			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099662	099663	099658	099669	099670
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT		IT	IT	IT
WELL OR BORING NUMBER:	1623	1623	1623	1623	1623
DEPTH:	16-16.5	16-16.5	20-20.5	24-24.5	25-25.5
DATE COLLECTED:	04-JUN-91	04-JUN-91	04-JUN-91	05-JUN-91	05-JUN-91
NORTH COORDINATE:	480515.1	480515.1	480515.1	480515.1	480515.1
EAST COORDINATE:	1378532.07	1378532.07	1378532.07	1378532.07	1378532.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	-	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
CYANIDE	0.12 MG/KG		U												
RADIONUCLIDES															
URANIUM-238							1.13 PCI/G	.22	-				1.54 PCI/G	.27	-
URANIUM, TOTAL							10.80 MG/KG	2.8	J				8.42 MG/KG	2.12	J
URANIUM-234							1.09 PCI/G	.21	-				1.26 PCI/G	.23	-
THORIUM-230							1.47 PCI/G	.34	J				1.58 PCI/G	.49	-
RADIUM-226							1.27 PCI/G	.14	J				0.91 PCI/G	.1	J
LEAD-210							1.16 PCI/G	.43	J				0.89 PCI/G	.32	J
POLONIUM-210							1.20 PCI/G	.59	J				1.43 PCI/G	.43	J
URANIUM-235/236							0.60 PCI/G		U				0.60 PCI/G		U
THORIUM-232							1.16 PCI/G	.29	J				0.90 PCI/G	.36	-
THORIUM, TOTAL							10.50 MG/KG	2.6	J				8.14 MG/KG	3.21	-
RADIUM-228							1.24 PCI/G	.23	J				0.79 PCI/G	.16	J
THORIUM-228							1.76 PCI/G	.38	J				1.22 PCI/G	.42	-
ACTINIUM-227							0.60 PCI/G		UJ				0.60 PCI/G		UJ
PROTACTINIUM-231							1.90 PCI/G		UJ				1.40 PCI/G		UJ
RADIUM-224							1.21 PCI/G	.16	J				0.83 PCI/G	.12	J
VOLATILES															
1,1,1-TRICHLOROETHANE										6.00 UG/KG		U			
1,1,2,2-TETRACHLOROETHANE										6.00 UG/KG		U			
1,1,2-TRICHLOROETHANE										6.00 UG/KG		U			
1,1-DICHLOROETHANE										6.00 UG/KG		U			
1,1-DICHLOROETHENE										6.00 UG/KG		U			
1,2-DICHLOROETHANE										6.00 UG/KG		U			
1,2-DICHLOROETHENE (TOTAL)										6.00 UG/KG		U			
1,2-DICHLOROPROPANE										6.00 UG/KG		U			

000222

6416

SAMPLE NUMBER:	099662			099663			099658			099669			099670		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
2-BUTANONE										12.00 UG/KG		U			
2-HEXANONE										12.00 UG/KG		U			
4-METHYL-2-PENTANONE										12.00 UG/KG		U			
ACETONE										19.00 UG/KG		-			
BENZENE										6.00 UG/KG		U			
BROMODICHLOROMETHANE										6.00 UG/KG		U			
BROMOFORM										6.00 UG/KG		U			
BROMOMETHANE										12.00 UG/KG		U			
CARBON DISULFIDE										6.00 UG/KG		U			
CARBON TETRACHLORIDE										6.00 UG/KG		U			
CHLOROBENZENE										6.00 UG/KG		U			
CHLOROETHANE										12.00 UG/KG		U			
CHLOROFORM										6.00 UG/KG		U			
CHLOROMETHANE										12.00 UG/KG		U			
CIS-1,3-DICHLOROPROPENE										6.00 UG/KG		U			
DIBROMOCHLOROMETHANE										6.00 UG/KG		U			
ETHYLBENZENE										6.00 UG/KG		U			
METHYLENE CHLORIDE										6.00 UG/KG		U			
STYRENE										6.00 UG/KG		U			
TETRACHLOROETHENE										4.00 UG/KG		J			
TOLUENE										14.00 UG/KG		-			
TRANS-1,3-DICHLOROPROPENE										6.00 UG/KG		U			
TRICHLOROETHENE										6.00 UG/KG		U			
VINYL ACETATE										12.00 UG/KG		U			
VINYL CHLORIDE										12.00 UG/KG		U			
XYLENES, TOTAL										6.00 UG/KG		U			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099676	099677	099678	099675	099684
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1623	1623	1623	1623	1790
DEPTH:	24-24.5	24-24.5	24-24.5	30-30.5	5-5.50
DATE COLLECTED:	05-JUN-91	05-JUN-91	05-JUN-91	05-JUN-91	17-JUN-91
NORTH COORDINATE:	480515.1	480515.1	480515.1	480515.1	480513.75
EAST COORDINATE:	1378532.07	1378532.07	1378532.07	1378532.07	1378532.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM				9860.00 MG/KG		-									
ANTIMONY				18.00 MG/KG		R									
ARSENIC				3.60 MG/KG		-									
BARIUM				65.50 MG/KG		-									
BERYLLIUM				0.82 MG/KG		-									
CADMIUM				4.40 MG/KG		-									
CALCIUM				64800.00 MG/KG		-									
CHROMIUM				17.10 MG/KG		-									
COBALT				10.50 MG/KG		-									
COPPER				22.20 MG/KG		-									
CYANIDE							0.12 MG/KG		U						
IRON				20900.00 MG/KG		-									
LEAD				8.90 MG/KG		R									
MAGNESIUM				20700.00 MG/KG		-									
MANGANESE				627.00 MG/KG		-									
MERCURY	0.12 MG/KG		U												
MOLYBDENUM				3.30 MG/KG		-									
NICKEL				26.50 MG/KG		-									
POTASSIUM				1180.00 MG/KG		J									
SELENIUM				0.48 MG/KG		UJ									
SILVER				6.20 MG/KG		-									
SODIUM				113.00 MG/KG		J									
THALLIUM				0.48 MG/KG		UJ									
VANADIUM				26.40 MG/KG		-									
ZINC				49.30 MG/KG		-									
RADIONUCLIDES															
URANIUM-238										2.68 PCI/G	.42	-			
URANIUM, TOTAL										9.95 MG/KG	2.64	J			

SAMPLE NUMBER:	099676			099677			099678			099675			099684		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
RADIONUCLIDES															
URANIUM-234										2.23 PCI/G	.37	-			
THORIUM-230										1.46 PCI/G	.37	-			
RADIUM-226										1.11 PCI/G	.13	J			
LEAD-210										1.31 PCI/G	.41	J			
POLONIUM-210										1.58 PCI/G	.41	J			
URANIUM-235/236										0.60 PCI/G		U			
THORIUM-232										0.82 PCI/G	.26	-			
THORIUM, TOTAL										7.43 MG/KG	2.33	-			
RADIUM-228										0.92 PCI/G	.19	J			
THORIUM-228										1.34 PCI/G	.35	-			
ACTINIUM-227										0.60 PCI/G		UJ			
PROTACTINIUM-231										1.60 PCI/G		UJ			
RADIUM-224										1.17 PCI/G	.16	J			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	410.00 UG/KG		U												
1,2-DICHLOROBENZENE	410.00 UG/KG		U												
1,3-DICHLOROBENZENE	410.00 UG/KG		U												
1,4-DICHLOROBENZENE	410.00 UG/KG		U												
2,4,5-TRICHLOROPHENOL	2000.00 UG/KG		U												
2,4,6-TRICHLOROPHENOL	410.00 UG/KG		U												
2,4-DICHLOROPHENOL	410.00 UG/KG		U												
2,4-DIMETHYLPHENOL	410.00 UG/KG		U												
2,4-DINITROPHENOL	2000.00 UG/KG		U												
2,4-DINITROTOLUENE	410.00 UG/KG		U												
2,6-DINITROTOLUENE	410.00 UG/KG		U												
2-CHLORONAPHTHALENE	410.00 UG/KG		U												
2-CHLOROPHENOL	410.00 UG/KG		U												
2-METHYLNAPHTHALENE	410.00 UG/KG		U												
2-METHYLPHENOL	410.00 UG/KG		U												
2-NITROANILINE	2000.00 UG/KG		U												
2-NITROPHENOL	410.00 UG/KG		U												
3,3'-DICHLOROBENZIDINE	820.00 UG/KG		U												
3-NITROANILINE.	2000.00 UG/KG		U												
4,6-DINITRO-2-METHYLPHENOL	2000.00 UG/KG		U												
4-BROMOPHENYL PHENYL ETHER	410.00 UG/KG		U												
4-CHLORO-3-METHYLPHENOL	410.00 UG/KG		U												
4-CHLOROPHENYLPHENYL ETHER	410.00 UG/KG		U												
4-METHYLPHENOL	410.00 UG/KG		U												
4-NITROANILINE	2000.00 UG/KG		U												
4-NITROPHENOL	2000.00 UG/KG		U												
ACENAPHTHENE	410.00 UG/KG		U												
ACENAPHTHYLENE	410.00 UG/KG		U												
ANTHRACENE	410.00 UG/KG		U												

SAMPLE NUMBER:	099676			099677			099678			099675			099684		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
BENZO(A)ANTHRACENE	410.00 UG/KG		U												
BENZO(A)PYRENE	410.00 UG/KG		U												
BENZO(B)FLUORANTHENE	410.00 UG/KG		U												
BENZO(G,H,I)PERYLENE	410.00 UG/KG		U												
BENZO(K)FLUORANTHENE	410.00 UG/KG		U												
BENZOIC ACID	2000.00 UG/KG		U												
BENZYL ALCOHOL	410.00 UG/KG		U												
BIS(2-CHLOROETHOXY)METHANE	410.00 UG/KG		U												
BIS(2-CHLOROETHYL)ETHER	410.00 UG/KG		U												
BIS(2-CHLOROISOPROPYL) ETHER	410.00 UG/KG		U												
BIS(2-ETHYLHEXYL)PHTHALATE	1000.00 UG/KG		-												
BUTYL BENZYL PHTHALATE	410.00 UG/KG		U												
CHRYSENE	410.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	410.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	410.00 UG/KG		U												
DIBENZO(A,H)ANTHRACENE	410.00 UG/KG		U												
DIBENZOFURAN	410.00 UG/KG		U												
DIETHYL PHTHALATE	410.00 UG/KG		U												
DIMETHYL PHTHALATE	410.00 UG/KG		U												
FLUORANTHENE	410.00 UG/KG		U												
FLUORENE	410.00 UG/KG		U												
HEXACHLOROBENZENE	410.00 UG/KG		U												
HEXACHLOROBUTADIENE	410.00 UG/KG		U												
HEXACHLOROCYCLOPENTADIENE	410.00 UG/KG		U												
HEXACHLOROETHANE	410.00 UG/KG		U												
INDENO(1,2,3-CD)PYRENE	410.00 UG/KG		U												
ISOPHORONE	410.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	410.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	410.00 UG/KG		U												
NAPHTHALENE	410.00 UG/KG		U												
NITROBENZENE	410.00 UG/KG		U												
P-CHLOROANILINE	410.00 UG/KG		U												
PENTACHLOROPHENOL	2000.00 UG/KG		U												
PHENANTHRENE	410.00 UG/KG		U												
PHENOL	410.00 UG/KG		U												
PYRENE	410.00 UG/KG		U												
TRIBUTYL PHOSPHATE	410.00 UG/KG		UJ												
VOLATILES															
1,1,1-TRICHLOROETHANE													6.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													6.00 UG/KG		U
1,1,2-TRICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHANE													6.00 UG/KG		U
1,1-DICHLOROETHENE													6.00 UG/KG		U

SAMPLE NUMBER:	099676			099677			099678			099675			099684		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
1,2-DICHLOROETHANE													6.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													6.00 UG/KG		U
1,2-DICHLOROPROPANE													6.00 UG/KG		U
2-BUTANONE													11.00 UG/KG		R
2-HEXANONE													11.00 UG/KG		U
4-METHYL-2-PENTANONE													11.00 UG/KG		U
ACETONE													50.00 UG/KG		UJ
BENZENE													6.00 UG/KG		U
BROMODICHLOROMETHANE													6.00 UG/KG		U
BROMOFORM													6.00 UG/KG		U
BROMOMETHANE													11.00 UG/KG		UJ
CARBON DISULFIDE													6.00 UG/KG		UJ
CARBON TETRACHLORIDE													6.00 UG/KG		U
CHLOROBENZENE													6.00 UG/KG		U
CHLOROETHANE													11.00 UG/KG		U
CHLOROFORM													6.00 UG/KG		U
CHLOROMETHANE													11.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE													6.00 UG/KG		U
DIBROMOCHLOROMETHANE													6.00 UG/KG		U
ETHYLBENZENE													6.00 UG/KG		U
METHYLENE CHLORIDE													6.00 UG/KG		U
STYRENE													6.00 UG/KG		U
TETRACHLOROETHENE													6.00 UG/KG		U
TOLUENE													21.00 UG/KG		-
TRANS-1,3-DICHLOROPROPENE													6.00 UG/KG		U
TRICHLOROETHENE													6.00 UG/KG		U
VINYL ACETATE													11.00 UG/KG		U
VINYL CHLORIDE													11.00 UG/KG		U
XYLENES, TOTAL													6.00 UG/KG		U

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099685	099686	099687	099688	099703
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.03
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1790	1790	1790	1790	2S2-SE-C
DEPTH:	5-5.50	5-5.50	5-5.50	5-5.50	5-5.50
DATE COLLECTED:	17-JUN-91	17-JUN-91	17-JUN-91	17-JUN-91	19-JUL-91
NORTH COORDINATE:	480513.75	480513.75	480513.75	480513.75	480503.38
EAST COORDINATE:	1378532.49	1378532.49	1378532.49	1378532.49	1378505.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
DIOXINS/FURANS															
1,4-DIOXANE													77.70 UG/KG		J
INORGANICS															
ALUMINUM				9040.00 MG/KG		-									
ANTIMONY				20.60 MG/KG		J									
ARSENIC				5.00 MG/KG		-									
BARIUM				47.10 MG/KG		-									
BERYLLIUM				0.81 MG/KG		-									
CADMIUM				3.20 MG/KG		-									
CALCIUM				95600.00 MG/KG		-									
CHROMIUM				28.40 MG/KG		-									
COBALT				11.00 MG/KG		-									
COPPER				20.70 MG/KG		-									
CYANIDE							0.11 MG/KG		UR						
IRON				18600.00 MG/KG		-									
LEAD				9.00 MG/KG		J									
MAGNESIUM				23900.00 MG/KG		-									
MANGANESE				411.00 MG/KG		-									
MERCURY										0.10 MG/KG		UJ			
MOLYBDENUM				13.30 MG/KG		-									
NICKEL				24.20 MG/KG		-									
POTASSIUM				1230.00 MG/KG		-									
SELENIUM				0.45 MG/KG		UJ									
SILVER				14.40 MG/KG		-									
SODIUM				197.00 MG/KG		-									
THALLIUM				0.45 MG/KG		UJ									
VANADIUM				27.50 MG/KG		-									
ZINC				44.20 MG/KG		-									

000238

6416

No sort code listed.

1,2,3-TRICHLOROPROPANE															5.00 UG/KG		UJ
06/14/94																	
SAMPLE NUMBER:	099685			099686			099687			099688			099703				
LAB:													IT				
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)		
No sort code listed.																	
1,2-DIBROMO-3-CHLOROPROPANE													10.00 UG/KG		UJ		
1,2-DIBROMOETHANE													5.00 UG/KG		UJ		
2-CHLORO-1,3-BUTADIENE													5.00 UG/KG		UJ		
3-CHLOROPROPENE													5.00 UG/KG		U		
ACETONITRILE													1000.00 UG/KG		UJ		
ACROLEIN													10.00 UG/KG		U		
ACROLEIN													10.00 UG/KG		U		
ACRYLONITRILE													10.00 UG/KG		U		
DIBROMOMETHANE													10.00 UG/KG		U		
DICHLORODIFLUOROMETHANE													200.00 UG/KG		R		
ETHYL CYANIDE													100.00 UG/KG		U		
ETHYL METHACRYLATE													10.00 UG/KG		U		
IODOMETHANE													5.00 UG/KG		U		
METHACRYLONITRILE													10.00 UG/KG		U		
METHYL METHACRYLATE													10.00 UG/KG		U		
TRANS-1,4-DICHLORO-2-BUTENE													100.00 UG/KG		R		
SEMIVOLATILES																	
1,2,4-TRICHLOROBENZENE	380.00 UG/KG		U														
1,2-DICHLOROBENZENE	380.00 UG/KG		U														
1,3-DICHLOROBENZENE	380.00 UG/KG		U														
1,4-DICHLOROBENZENE	380.00 UG/KG		U														
2,4,5-TRICHLOROPHENOL	1900.00 UG/KG		U														
2,4,6-TRICHLOROPHENOL	380.00 UG/KG		U														
2,4-DICHLOROPHENOL	380.00 UG/KG		U														
2,4-DIMETHYLPHENOL	380.00 UG/KG		U														
2,4-DINITROPHENOL	1900.00 UG/KG		U														
2,4-DINITROTOLUENE	380.00 UG/KG		U														
2,6-DINITROTOLUENE	380.00 UG/KG		U														
2-CHLORONAPHTHALENE	380.00 UG/KG		U														
2-CHLOROPHENOL	380.00 UG/KG		U														
2-METHYLNAPHTHALENE	380.00 UG/KG		U														
2-METHYLPHENOL	380.00 UG/KG		U														
2-NITROANILINE	1900.00 UG/KG		U														
2-NITROPHENOL	380.00 UG/KG		U														
3,3'-DICHLOROBENZIDINE	760.00 UG/KG		U														
3-NITROANILINE	1900.00 UG/KG		UJ														
4,6-DINITRO-2-METHYLPHENOL	1900.00 UG/KG		U														
4-BROMOPHENYL PHENYL ETHER	380.00 UG/KG		U														
4-CHLORO-3-METHYLPHENOL	380.00 UG/KG		U														

SAMPLE NUMBER:	099685			099686			099687			099688			099703		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
4-CHLOROPHENYLPHENYL ETHER	380.00 UG/KG		U												
4-METHYLPHENOL	380.00 UG/KG		U												
4-NITROANILINE	1900.00 UG/KG		U												
4-NITROPHENOL	1900.00 UG/KG		U												
ACENAPHTHENE	380.00 UG/KG		U												
ACENAPHTHYLENE	380.00 UG/KG		U												
ANTHRACENE	380.00 UG/KG		U												
BENZO(A)ANTHRACENE	380.00 UG/KG		U												
BENZO(A)PYRENE	380.00 UG/KG		U												
BENZO(B)FLUORANTHENE	380.00 UG/KG		U												
BENZO(G,H,I)PERYLENE	380.00 UG/KG		U												
BENZO(K)FLUORANTHENE	380.00 UG/KG		U												
BENZOIC ACID	1900.00 UG/KG		U												
BENZYL ALCOHOL	380.00 UG/KG		U												
BIS(2-CHLOROETHOXY)METHANE	380.00 UG/KG		U												
BIS(2-CHLOROETHYL)ETHER	380.00 UG/KG		U												
BIS(2-CHLOROISOPROPYL) ETHE	380.00 UG/KG		U												
BIS(2-ETHYLHEXYL)PHTHALATE	380.00 UG/KG		UJ												
BUTYL BENZYL PHTHALATE	380.00 UG/KG		UJ												
CHRYSENE	380.00 UG/KG		U												
DI-N-BUTYL PHTHALATE	380.00 UG/KG		U												
DI-N-OCTYL PHTHALATE	380.00 UG/KG		U												
DIBENZO(A,H)ANTHRACENE	380.00 UG/KG		U												
DIBENZOFURAN	380.00 UG/KG		U												
DIETHYL PHTHALATE	380.00 UG/KG		U												
DIMETHYL PHTHALATE	380.00 UG/KG		U												
FLUORANTHENE	380.00 UG/KG		U												
FLUORENE	380.00 UG/KG		U												
HEXACHLOROBENZENE	380.00 UG/KG		U												
HEXACHLOROBUTADIENE	380.00 UG/KG		U												
HEXACHLOROCYCLOPENTADIENE	380.00 UG/KG		U												
HEXACHLOROETHANE	380.00 UG/KG		U												
INDENO(1,2,3-CD)PYRENE	380.00 UG/KG		U												
ISOPHORONE	380.00 UG/KG		U												
N-NITROSO-DI-N-PROPYLAMINE	380.00 UG/KG		U												
N-NITROSODIPHENYLAMINE	380.00 UG/KG		U												
NAPHTHALENE	380.00 UG/KG		U												
NITROBENZENE	380.00 UG/KG		U												
P-CHLOROANILINE	380.00 UG/KG		U												
PENTACHLOROPHENOL	1900.00 UG/KG		U												
PHENANTHRENE	380.00 UG/KG		U												
PHENOL	380.00 UG/KG		U												
PYRENE	380.00 UG/KG		U												
PYRIDINE													45.20 UG/KG		R

VOLATILES

1,1,1,2-TETRACHLOROETHANE 5.00 UG/KG R
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	099685			099686			099687			099688			099703		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
VOLATILES															
1,1,1-TRICHLOROETHANE													5.00 UG/KG		U
1,1,2,2-TETRACHLOROETHANE													5.00 UG/KG		U
1,1,2-TRICHLOROETHANE													5.00 UG/KG		U
1,1-DICHLOROETHANE													5.00 UG/KG		U
1,1-DICHLOROETHENE													5.00 UG/KG		U
1,2-DICHLOROETHANE													5.00 UG/KG		U
1,2-DICHLOROETHENE (TOTAL)													5.00 UG/KG		R
1,2-DICHLOROPROPANE													5.00 UG/KG		U
2-BUTANONE													10.00 UG/KG		U
2-HEXANONE													10.00 UG/KG		U
4-METHYL-2-PENTANONE													10.00 UG/KG		U
ACETONE													17.00 UG/KG		J
BENZENE													5.00 UG/KG		U
BROMODICHLOROMETHANE													5.00 UG/KG		U
BROMOFORM													5.00 UG/KG		U
BROMOMETHANE													10.00 UG/KG		U
CARBON DISULFIDE													5.00 UG/KG		U
CARBON TETRACHLORIDE													5.00 UG/KG		U
CHLOROBENZENE													5.00 UG/KG		U
CHLOROETHANE													10.00 UG/KG		U
CHLOROFORM													5.00 UG/KG		U
CHLOROMETHANE													10.00 UG/KG		U
CIS-1,3-DICHLOROPROPENE													5.00 UG/KG		U
DIBROMOCHLOROMETHANE													5.00 UG/KG		U
ETHYLBENZENE													5.00 UG/KG		U
ISOBUTYL ALCOHOL													20.00 UG/KG		R
METHYLENE CHLORIDE													5.00 UG/KG		U
STYRENE													5.00 UG/KG		U
TETRACHLOROETHENE													5.00 UG/KG		U
TOLUENE													3.00 UG/KG		J
TRANS-1,3-DICHLOROPROPENE													5.00 UG/KG		R
TRICHLOROETHENE													5.00 UG/KG		U
TRICHLOROFLUOROMETHANE													5.00 UG/KG		UJ
VINYL ACETATE													10.00 UG/KG		U
VINYL CHLORIDE													10.00 UG/KG		U
XYLENES, TOTAL													5.00 UG/KG		R

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	008272	008279	008295	SS-23-053	SS-46-320
TASK:	3.2	3.2	3.2	CIS	CIS
LAB:	IT	IT	IT	WEMCO	WEMCO
WELL OR BORING NUMBER:	3034	3034	3034	CIS_SYSGEN_263	CIS_SYSGEN_322
DEPTH:	10.5-12	21-22.5	95-96.5	0-.5	0-.5
DATE COLLECTED:	20-MAR-88	20-MAR-88	22-MAR-88		
NORTH COORDINATE:	480240.23	480240.23	480240.23	480448.53	480682.09
EAST COORDINATE:	1378431.39	1378431.39	1378431.39	1378635.42	1378471.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	0.60 PCI/G	.2	-	0.90 PCI/G	.3	-	0.60 PCI/G		U	4.50 PCI/G	2.8	NV	3.20 PCI/G	1.9	NV
URANIUM, TOTAL	2.07 MG/KG	.2	-	2.96 MG/KG	.3	-	2.07 MG/KG		U	13.41 MG/KG	2.8	NV	9.54 MG/KG	1.9	NV
URANIUM-234	0.60 PCI/G	.2	-	0.80 PCI/G	.3	-	0.60 PCI/G		U						
THORIUM-230	0.90 PCI/G	.3	-	3.80 PCI/G	.9	-	0.70 PCI/G	.2	-						
RADIUM-226	0.30 PCI/G		UJ	0.70 PCI/G	.1	J	0.60 PCI/G	.1	J	0.60 PCI/G	.4	NV	1.30 PCI/G	.5	NV
URANIUM-235/236	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U						
THORIUM-232	0.60 PCI/G	.3	-	0.70 PCI/G	.3	-	0.60 PCI/G		U	0.90 PCI/G	.4	NV	4.30 PCI/G		UNV
THORIUM, TOTAL	5.47 PCI/G	.3	NV	6.38 PCI/G	.3	NV	5.47 PCI/G		U	8.21 PCI/G	.4	NV	39.22 PCI/G		NV
RADIUM-228	0.50 PCI/G		UJ	0.60 PCI/G	.1	J	0.50 PCI/G		UJ						
THORIUM-228	0.90 PCI/G	.3	-	0.80 PCI/G	.3	-	0.60 PCI/G		U						
NEPTUNIUM-237	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U						
PLUTONIUM-239/240	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U						
PLUTONIUM-238	0.60 PCI/G		U	0.60 PCI/G		U	0.60 PCI/G		U						
STRONTIUM-90	0.50 PCI/G		U	0.50 PCI/G		U	0.50 PCI/G		U						
TECHNETIUM-99	1.00 PCI/G		UNV	2.10 PCI/G	.7	NV	1.00 PCI/G		UNV						
RUTHENIUM-106	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UJ	1.00 PCI/G		UNV	5.80 PCI/G		UNV
CESIUM-137	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.20 PCI/G		UJ	0.70 PCI/G		UNV	0.80 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	SS-46-324	SL-46-571	SL-46-572	SS-46-322	SL-46-327
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	WEMCO	WEMCO	WEMCO	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_323	CIS_SYSGEN_323	CIS_SYSGEN_323	CIS_SYSGEN_326	CIS_SYSGEN_337
DEPTH:	0-.5	.5-1	.5-1	0-.5	.16-.5
DATE COLLECTED:					
NORTH COORDINATE:	480682.78	480682.78	480682.78	480708.45	480727.97
EAST COORDINATE:	1378446.76	1378446.76	1378446.76	1378422.45	1378623.06
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	7.20 PCI/G		UNV	23.00 PCI/G		UNV	11.20 PCI/G		UNV	6.10 PCI/G	3.6	NV	3.00 PCI/G	2.2	NV
URANIUM, TOTAL	21.46 MG/KG		NV	68.54 MG/KG		NV	33.38 MG/KG		NV	18.18 MG/KG	3.6	NV	8.94 MG/KG	2.2	NV
RADIUM-226	35.80 PCI/G	1.6	NV	11.60 PCI/G	.9	NV	2.30 PCI/G	.4	NV	2.00 PCI/G	.6	NV	1.00 PCI/G	.3	NV
THORIUM-232	4.00 PCI/G		UNV	2.20 PCI/G		UNV	2.30 PCI/G		UNV	4.40 PCI/G		UNV	0.40 PCI/G	.2	NV
THORIUM, TOTAL	36.48 PCI/G		NV	20.06 PCI/G		NV	20.98 PCI/G		NV	40.13 PCI/G		NV	3.65 PCI/G	.2	NV
RUTHENIUM-106	9.00 PCI/G		UNV	8.20 PCI/G		UNV	2.40 PCI/G		UNV	3.40 PCI/G		UNV	4.90 PCI/G		UNV
CESIUM-137	2.40 PCI/G		UNV	0.50 PCI/G		UNV	0.60 PCI/G		UNV	1.00 PCI/G		UNV	0.20 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	SS-46-207			SL-46-326			SS-46-206			SS-46-318			SS-46-325		
TASK:	CIS			CIS			CIS			CIS			CIS		
LAB:	WEMCO			WEMCO			TMA			WEMCO			WEMCO		
WELL OR BORING NUMBER:	CIS_SYSGEN_337			CIS_SYSGEN_339			CIS_SYSGEN_339			CIS_SYSGEN_342			CIS_SYSGEN_343		
DEPTH:	0-.5			.16-.5			0-.5			0-.5			0-.5		
DATE COLLECTED:															
NORTH COORDINATE:	480727.97			480733.44			480733.44			480752.96			480758.43		
EAST COORDINATE:	1378623.06			1378423.13			1378423.13			1378623.74			1378423.82		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
URANIUM-238	6.20 PCI/G	3.4	NV	13.70 PCI/G		UNV	9.30 PCI/G	.5	-	14.90 PCI/G		UNV	5.50 PCI/G	2	NV
URANIUM, TOTAL	18.48 MG/KG	3.4	NV	40.83 MG/KG		NV	27.90 MG/KG	.5	-	44.40 MG/KG		NV	16.39 MG/KG	2	NV
URANIUM-234							6.10 PCI/G	.4	-						
THORIUM-230							295.00 PCI/G	9	-						
RADIUM-226	5.30 PCI/G	.6	NV	3.20 PCI/G	.6	NV	4.40 PCI/G	.6	NV	10.30 PCI/G	.9	NV	1.70 PCI/G	.5	NV
URANIUM-235/236							0.40 PCI/G	.1	J						
THORIUM-232	0.80 PCI/G		UNV	4.30 PCI/G		UNV	1.00 PCI/G	.6	-	0.90 PCI/G		UNV	2.70 PCI/G		UNV
THORIUM, TOTAL	7.30 PCI/G		NV	39.22 PCI/G		NV	9.12 PCI/G	.6	-	8.21 PCI/G		NV	24.62 PCI/G		NV
THORIUM-228							0.80 PCI/G	.5	-						
NEPTUNIUM-237							0.30 PCI/G		U						
PLUTONIUM-239/240							0.20 PCI/G		UJ						
PLUTONIUM-238							0.20 PCI/G		UJ						
STRONTIUM-90							0.50 PCI/G		UJ						
TECHNETIUM-99							4.00 PCI/G		UJ						
RUTHENIUM-106	6.00 PCI/G		UNV	4.90 PCI/G		UNV	2.00 PCI/G		UJ	11.00 PCI/G		UNV	3.20 PCI/G		UNV
CESIUM-137	0.90 PCI/G		UNV	0.90 PCI/G		UNV	2.60 PCI/G	.5	-	1.20 PCI/G	.3	NV	0.40 PCI/G	.2	NV

SAMPLE NUMBER:	SS-46-569	SS-46-567	SS-46-323	SS-46-321	SS-46-204
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	WEMCO	WEMCO	WEMCO	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_347	CIS_SYSGEN_349	CIS_SYSGEN_351	CIS_SYSGEN_352	CIS_SYSGEN_360
DEPTH:	0-.5	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:					
NORTH COORDINATE:	480777.95	480779.32	480782.06	480782.74	480827.93
EAST COORDINATE:	1378624.43	1378574.44	1378474.48	1378449.49	1378625.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	18.60 PCI/G	4.9	NV	37.40 PCI/G	10.2	NV	8.50 PCI/G	4.3	NV	14.90 PCI/G		UNV	5.60 PCI/G	3.4	NV
URANIUM, TOTAL	55.43 MG/KG	4.9	NV	111.45 MG/KG	10.2	NV	25.33 MG/KG	4.3	NV	44.40 MG/KG		NV	16.69 MG/KG	3.4	NV
RADIUM-226	3.60 PCI/G	.8	NV	22.50 PCI/G	1.9	NV	4.40 PCI/G	.6	NV	4.70 PCI/G	.8	NV	4.50 PCI/G	.6	NV
THORIUM-232	0.70 PCI/G		UNV	3.20 PCI/G		UNV	4.60 PCI/G		UNV	4.20 PCI/G		UNV	0.30 PCI/G		UNV
THORIUM, TOTAL	6.38 PCI/G		NV	29.18 PCI/G		NV	41.95 PCI/G		NV	38.30 PCI/G		NV	2.74 PCI/G		NV
RUTHENIUM-106	1.40 PCI/G		UNV	13.00 PCI/G		UNV	1.00 PCI/G		UNV	1.00 PCI/G		UNV	3.50 PCI/G		UNV
CESIUM-137	1.10 PCI/G	.5	NV	1.90 PCI/G		UNV	1.00 PCI/G	.4	NV	0.50 PCI/G	.3	NV	0.40 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	SS-46-203	SS-46-202	SS-46-200	SS-46-199	SS-46-197
TASK:	CIS	CIS	CIS	CIS	CIS
LAB:	WEMCO	WEMCO	WEMCO	WEMCO	WEMCO
WELL OR BORING NUMBER:	CIS_SYSGEN_361	CIS_SYSGEN_363	CIS_SYSGEN_373	CIS_SYSGEN_375	CIS_SYSGEN_385
DEPTH:	0-.5	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:					
NORTH COORDINATE:	480830.67	480833.41	480927.9	480933.37	481027.86
EAST COORDINATE:	1378525.83	1378425.87	1378628.53	1378428.61	1378631.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
RADIONUCLIDES															
URANIUM-238	12.30 PCI/G	2.9	NV	2.60 PCI/G	1.7	NV	9.00 PCI/G		UNV	3.30 PCI/G		UNV	4.10 PCI/G	2	NV
URANIUM, TOTAL	36.65 MG/KG	2.9	NV	7.75 MG/KG	1.7	NV	26.82 MG/KG		NV	9.83 MG/KG		NV	12.22 MG/KG	2	NV
RADIUM-226	1.10 PCI/G	.5	NV	0.90 PCI/G	.4	NV	0.50 PCI/G	.2	NV	0.30 PCI/G		UNV	0.70 PCI/G	.3	NV
THORIUM-232	0.50 PCI/G		UNV	0.70 PCI/G	.3	NV	1.80 PCI/G		UNV	2.80 PCI/G		UNV	1.20 PCI/G		UNV
THORIUM, TOTAL	4.56 PCI/G		NV	6.38 PCI/G	.3	NV	16.42 PCI/G		NV	25.54 PCI/G		NV	10.94 PCI/G		NV
RUTHENIUM-106	3.80 PCI/G		UNV	1.00 PCI/G		UNV	3.60 PCI/G		UNV	1.00 PCI/G		UNV	4.30 PCI/G		UNV
CESIUM-137	0.80 PCI/G	.3	NV	0.20 PCI/G		UNV	0.20 PCI/G		UNV	0.40 PCI/G		UNV	0.20 PCI/G		UNV

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	SS-46-196	SS2219	061100	061105	061310
TASK:	CIS	LIT STUDY	04.01	04.01	04.01
LAB:	WEMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	CIS_SYSGEN_386	LIT8923	WPA15	WPA15	WPA23
DEPTH:	0-.5	0-.167	0-.5	1.5-2	0-.5
DATE COLLECTED:		23-APR-86	25-APR-91	25-APR-91	27-APR-91
NORTH COORDINATE:	481030.6	480389	481028.5	481028.5	480240.1
EAST COORDINATE:	1378531.3	1378630	1378631.8	1378631.8	1378407
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM							10900.00 MG/KG		-				9520.00 MG/KG		-
ANTIMONY							29.70 MG/KG		J				31.30 MG/KG		R
ARSENIC							28.50 MG/KG		-				5.40 MG/KG		-
BARIUM							113.00 MG/KG		J				80.30 MG/KG		-
BERYLLIUM							0.70 MG/KG		-				0.93 MG/KG		-
CADMIUM							4.90 MG/KG		-				6.10 MG/KG		-
CALCIUM							23300.00 MG/KG		-				100000.00 MG/KG		-
CHROMIUM							22.60 MG/KG		-				18.60 MG/KG		-
COBALT							14.80 MG/KG		-				12.80 MG/KG		-
COPPER							23.50 MG/KG		-				21.70 MG/KG		-
CYANIDE							0.12 MG/KG		U						
IRON							23200.00 MG/KG		J				19600.00 MG/KG		-
LEAD							10.80 MG/KG		-				10.20 MG/KG		R
MAGNESIUM							14400.00 MG/KG		-				26000.00 MG/KG		-
MANGANESE							1130.00 MG/KG		J				529.00 MG/KG		J
MERCURY							0.13 MG/KG		U				0.12 MG/KG		U
MOLYBDENUM							4.70 MG/KG		-				4.40 MG/KG		-
NICKEL							38.90 MG/KG		-				35.00 MG/KG		-
POTASSIUM							1430.00 MG/KG		-				1100.00 MG/KG		-
SELENIUM							0.50 MG/KG		U				0.48 MG/KG		UJ
SILVER							6.60 MG/KG		-				9.70 MG/KG		J
SODIUM							119.00 MG/KG		-				122.00 MG/KG		-
THALLIUM							0.50 MG/KG		U				0.48 MG/KG		UJ
VANADIUM							27.70 MG/KG		-				22.90 MG/KG		-
ZINC							65.20 MG/KG		J				51.00 MG/KG		-
PESTICIDES															
4,4'-DDD							20.00 UG/KG		U				20.00 UG/KG		U
4,4'-DDE							20.00 UG/KG		U				20.00 UG/KG		U

SAMPLE NUMBER:	SS-46-196			SS2219			061100			061105			061310		
LAB:							IT						IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			-			NONE-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															
4,4'-DDT							20.00 UG/KG		U				20.00 UG/KG		U
ALDRIN							10.00 UG/KG		U				10.00 UG/KG		U
ALPHA-BHC							10.00 UG/KG		U				10.00 UG/KG		U
ALPHA-CHLORDANE							100.00 UG/KG		U				100.00 UG/KG		U
AROCLOR-1016							100.00 UG/KG		U				100.00 UG/KG		U
AROCLOR-1221							100.00 UG/KG		U				100.00 UG/KG		U
AROCLOR-1232							100.00 UG/KG		U				100.00 UG/KG		U
AROCLOR-1242							100.00 UG/KG		U				100.00 UG/KG		U
AROCLOR-1248							100.00 UG/KG		U				100.00 UG/KG		U
AROCLOR-1254							200.00 UG/KG		U				200.00 UG/KG		U
AROCLOR-1260							200.00 UG/KG		U				200.00 UG/KG		U
BETA-BHC							10.00 UG/KG		U				10.00 UG/KG		U
DELTA-BHC							10.00 UG/KG		U				10.00 UG/KG		U
DIELDRIN							20.00 UG/KG		U				20.00 UG/KG		U
ENDOSULFAN II							20.00 UG/KG		U				20.00 UG/KG		U
ENDOSULFAN SULFATE							20.00 UG/KG		U				20.00 UG/KG		U
ENDOSULFAN-I							10.00 UG/KG		U				10.00 UG/KG		U
ENDRIN							20.00 UG/KG		U				20.00 UG/KG		U
ENDRIN KETONE							20.00 UG/KG		U				20.00 UG/KG		U
GAMMA-BHC (LINDANE)							10.00 UG/KG		U				10.00 UG/KG		U
GAMMA-CHLORDANE							100.00 UG/KG		U				100.00 UG/KG		U
HEPTACHLOR							10.00 UG/KG		UJ				10.00 UG/KG		U
HEPTACHLOR EPOXIDE							10.00 UG/KG		UJ				10.00 UG/KG		U
METHOXYCHLOR							100.00 UG/KG		U				100.00 UG/KG		U
TOXAPHENE							200.00 UG/KG		U				200.00 UG/KG		U
RADIONUCLIDES															
URANIUM-238	8.70 PCI/G	3.5	NV	4.64 PCI/G		NV									
URANIUM, TOTAL	25.93 MG/KG	3.5	NV	12.66 MG/KG		NV									
URANIUM-234				3.72 PCI/G		NV									
RADIUM-226	1.70 PCI/G	.4	NV												
URANIUM-235/236				0.19 PCI/G		NV									
THORIUM-232	0.30 PCI/G		UNV												
THORIUM, TOTAL	2.74 PCI/G		NV												
RUTHENIUM-106	3.60 PCI/G		UNV												
CESIUM-137	0.30 PCI/G		UNV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										420.00 UG/KG		U			
1,2-DICHLOROBENZENE										420.00 UG/KG		U			
1,3-DICHLOROBENZENE										420.00 UG/KG		U			
1,4-DICHLOROBENZENE										420.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL										2000.00 UG/KG		U			

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	SS-46-196			SS2219			061100			061105			061310		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
2,4,6-TRICHLOROPHENOL										420.00 UG/KG		U			
2,4-DICHLOROPHENOL										420.00 UG/KG		U			
2,4-DIMETHYLPHENOL										420.00 UG/KG		U			
2,4-DINITROPHENOL										2000.00 UG/KG		U			
2,4-DINITROTOLUENE										420.00 UG/KG		U			
2,6-DINITROTOLUENE										420.00 UG/KG		U			
2-CHLORONAPHTHALENE										420.00 UG/KG		U			
2-CHLOROPHENOL										420.00 UG/KG		U			
2-METHYLNAPHTHALENE										420.00 UG/KG		U			
2-METHYLPHENOL										420.00 UG/KG		U			
2-NITROANILINE										2000.00 UG/KG		U			
2-NITROPHENOL										420.00 UG/KG		U			
3,3'-DICHLOROBENZIDINE										840.00 UG/KG		UJ			
3-NITROANILINE										2000.00 UG/KG		UJ			
4,6-DINITRO-2-METHYLPHENOL										2000.00 UG/KG		U			
4-BROMOPHENYL PHENYL ETHER										420.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL										420.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER										420.00 UG/KG		U			
4-METHYLPHENOL										420.00 UG/KG		U			
4-NITROANILINE										2000.00 UG/KG		U			
4-NITROPHENOL										2000.00 UG/KG		U			
ACENAPHTHENE										420.00 UG/KG		U			
ACENAPHTHYLENE										420.00 UG/KG		U			
ANTHRACENE										420.00 UG/KG		U			
BENZO(A)ANTHRACENE										420.00 UG/KG		U			
BENZO(A)PYRENE										420.00 UG/KG		U			
BENZO(B)FLUORANTHENE										420.00 UG/KG		U			
BENZO(G,H,I)PERYLENE										420.00 UG/KG		U			
BENZO(K)FLUORANTHENE										420.00 UG/KG		U			
BENZOIC ACID										2000.00 UG/KG		R			
BENZYL ALCOHOL										420.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE										420.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER										420.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER										420.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE										100.00 UG/KG		J			
BUTYL BENZYL PHTHALATE										420.00 UG/KG		U			
CHRYSENE										420.00 UG/KG		U			
DI-N-BUTYL PHTHALATE										420.00 UG/KG		U			
DI-N-OCTYL PHTHALATE										420.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE										420.00 UG/KG		U			
DIBENZOFURAN										420.00 UG/KG		U			
DIETHYL PHTHALATE										420.00 UG/KG		U			
DIMETHYL PHTHALATE										420.00 UG/KG		U			
FLUORANTHENE										420.00 UG/KG		U			
FLUORENE										420.00 UG/KG		UJ			

SAMPLE NUMBER:	SS-46-196			SS2219			061100			061105			061310		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
HEXACHLOROBENZENE										420.00 UG/KG		U			
HEXACHLOROBUTADIENE										420.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE										420.00 UG/KG		U			
HEXACHLOROETHANE										420.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE										420.00 UG/KG		U			
ISOPHORONE										420.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE										420.00 UG/KG		U			
N-NITROSODIPHENYLAMINE										420.00 UG/KG		U			
NAPHTHALENE										420.00 UG/KG		U			
NITROBENZENE										420.00 UG/KG		UJ			
P-CHLOROANILINE										420.00 UG/KG		U			
PENTACHLOROPHENOL										2000.00 UG/KG		U			
PHENANTHRENE										420.00 UG/KG		U			
PHENOL										420.00 UG/KG		U			
PYRENE										420.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE										6.00 UG/KG		U			
1,1,2,2-TETRACHLOROETHANE										6.00 UG/KG		U			
1,1,2-TRICHLOROETHANE										6.00 UG/KG		U			
1,1-DICHLOROETHANE										6.00 UG/KG		U			
1,1-DICHLOROETHENE										6.00 UG/KG		U			
1,2-DICHLOROETHANE										6.00 UG/KG		U			
1,2-DICHLOROETHENE (TOTAL)										6.00 UG/KG		U			
1,2-DICHLOROPROPANE										6.00 UG/KG		U			
2-BUTANONE										13.00 UG/KG		U			
2-HEXANONE										13.00 UG/KG		U			
4-METHYL-2-PENTANONE										13.00 UG/KG		U			
ACETONE										20.00 UG/KG		UJ			
BENZENE										6.00 UG/KG		U			
BROMODICHLOROMETHANE										6.00 UG/KG		U			
BROMOFORM										6.00 UG/KG		U			
BROMOMETHANE										13.00 UG/KG		U			
CARBON DISULFIDE										6.00 UG/KG		U			
CARBON TETRACHLORIDE										6.00 UG/KG		U			
CHLOROBENZENE										6.00 UG/KG		U			
CHLOROETHANE										13.00 UG/KG		U			
CHLOROFORM										6.00 UG/KG		U			
CHLOROMETHANE										13.00 UG/KG		UJ			
CIS-1,3-DICHLOROPROPENE										6.00 UG/KG		U			
DIBROMOCHLOROMETHANE										6.00 UG/KG		U			
ETHYLBENZENE										6.00 UG/KG		U			
METHYLENE CHLORIDE										13.00 UG/KG		U			
STYRENE										6.00 UG/KG		U			

SAMPLE NUMBER:	SS-46-196			SS2219			061100			061105			061310		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
TETRACHLOROETHENE										6.00 UG/KG		U			
TOLUENE										1.00 UG/KG		J			
TRANS-1,3-DICHLOROPROPENE										6.00 UG/KG		U			
TRICHLOROETHENE										6.00 UG/KG		U			
VINYL ACETATE										13.00 UG/KG		U			
VINYL CHLORIDE										13.00 UG/KG		U			
XYLENES, TOTAL										6.00 UG/KG		U			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	061163	061168	061198	061203	061219
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT/MWL	IT	IT/MWL
WELL OR BORING NUMBER:	WPA24	WPA24	WPA29	WPA29	WPA33
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	27-APR-91	27-APR-91	28-APR-91	28-APR-91	26-APR-91
NORTH COORDINATE:	480228.8	480228.8	480428.3	480428.3	480609.3
EAST COORDINATE:	1378609.9	1378609.9	1378630.4	1378630.4	1378600.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	10000.00 MG/KG		-				10000.00 MG/KG		-				4010.00 MG/KG		-
ANTIMONY	28.60 MG/KG		R				25.00 MG/KG		R				34.10 MG/KG		R
ARSENIC	2.70 MG/KG		-				7.30 MG/KG		-				9.10 MG/KG		-
BARIUM	67.30 MG/KG		-				78.90 MG/KG		-				55.10 MG/KG		-
BERYLLIUM	1.00 MG/KG		-				0.90 MG/KG		-				2.30 MG/KG		U
CADMIUM	4.70 MG/KG		-				3.10 MG/KG		-				6.90 MG/KG		-
CALCIUM	131000.00 MG/KG		-				49700.00 MG/KG		-				177000.00 MG/KG		-
CHROMIUM	15.80 MG/KG		-				18.50 MG/KG		-				30.30 MG/KG		-
COBALT	12.40 MG/KG		-				11.40 MG/KG		-				11.40 MG/KG		U
COPPER	20.20 MG/KG		-				18.10 MG/KG		-				29.30 MG/KG		-
CYANIDE	0.12 MG/KG		U				0.24 MG/KG		-				0.14 MG/KG		-
IRON	20400.00 MG/KG		-				19500.00 MG/KG		-				9380.00 MG/KG		-
LEAD	6.70 MG/KG		R				18.60 MG/KG		R				81.40 MG/KG		R
MAGNESIUM	15400.00 MG/KG		-				8910.00 MG/KG		-				31800.00 MG/KG		-
MANGANESE	498.00 MG/KG		J				7740.00 MG/KG		J				489.00 MG/KG		J
MERCURY	0.11 MG/KG		U				0.12 MG/KG		U				0.10 MG/KG		U
MOLYBDENUM	3.60 MG/KG		-				3.80 MG/KG		-				11.40 MG/KG		U
NICKEL	30.00 MG/KG		-				21.10 MG/KG		-				30.00 MG/KG		-
POTASSIUM	949.00 MG/KG		-				945.00 MG/KG		-				495.00 MG/KG		-
SELENIUM	0.48 MG/KG		UJ				0.51 MG/KG		UJ				0.46 MG/KG		UJ
SILVER	8.40 MG/KG		J				8.90 MG/KG		J				31.10 MG/KG		-
SODIUM	97.90 MG/KG		-				75.90 MG/KG		-				166.00 MG/KG		-
THALLIUM	0.48 MG/KG		UJ				0.51 MG/KG		UJ				0.51 MG/KG		J
VANADIUM	24.00 MG/KG		-				25.90 MG/KG		-				24.90 MG/KG		-
ZINC	45.40 MG/KG		-				65.40 MG/KG		-				52.40 MG/KG		-
PESTICIDES															
4,4'-DDD	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
4,4'-DDE	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U

490242

6410

SAMPLE NUMBER:	061163			061168			061198			061203			061219		
LAB:	IT						IT/MWL						IT/MWL		
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-NA			-			NONE-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															
4,4'-DDT	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
ALDRIN	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
ALPHA-BHC	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
ALPHA-CHLORDANE	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
AROCLOR-1016	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
AROCLOR-1221	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
AROCLOR-1232	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
AROCLOR-1242	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
AROCLOR-1248	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
AROCLOR-1254	200.00 UG/KG		U				38.00 UG/KG		J				1700.00 UG/KG		J
AROCLOR-1260	200.00 UG/KG		U				210.00 UG/KG		U				180.00 UG/KG		U
BETA-BHC	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
DELTA-BHC	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
DIELDRIN	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
ENDOSULFAN II	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
ENDOSULFAN SULFATE	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
ENDOSULFAN-I	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
ENDRIN	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
ENDRIN KETONE	20.00 UG/KG		U				21.00 UG/KG		U				18.00 UG/KG		U
GAMMA-BHC (LINDANE)	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
GAMMA-CHLORDANE	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
HEPTACHLOR	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
HEPTACHLOR EPOXIDE	9.80 UG/KG		U				10.00 UG/KG		U				9.10 UG/KG		U
METHOXYCHLOR	98.00 UG/KG		U				100.00 UG/KG		U				91.00 UG/KG		U
TOXAPHENE	200.00 UG/KG		U				210.00 UG/KG		U				180.00 UG/KG		U
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				390.00 UG/KG		U				390.00 UG/KG		U			
1,2-DICHLOROBENZENE				390.00 UG/KG		U				390.00 UG/KG		U			
1,3-DICHLOROBENZENE				390.00 UG/KG		U				390.00 UG/KG		U			
1,4-DICHLOROBENZENE				390.00 UG/KG		U				390.00 UG/KG		U			
2,4,5-TRICHLOROPHENOL				1900.00 UG/KG		U				1900.00 UG/KG		U			
2,4,6-TRICHLOROPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
2,4-DICHLOROPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
2,4-DIMETHYLPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
2,4-DINITROPHENOL				1900.00 UG/KG		UJ				1900.00 UG/KG		UJ			
2,4-DINITROTOLUENE				390.00 UG/KG		U				390.00 UG/KG		U			
2,6-DINITROTOLUENE				390.00 UG/KG		U				390.00 UG/KG		U			
2-CHLORONAPHTHALENE				390.00 UG/KG		U				390.00 UG/KG		U			
2-CHLOROPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
2-METHYLNAPHTHALENE				390.00 UG/KG		U				390.00 UG/KG		U			
2-METHYLPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
2-NITROANILINE				1900.00 UG/KG		U				1900.00 UG/KG		U			
2-NITROPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			

SAMPLE NUMBER:	061163			061168			061198			061203			061219		
LAB:				IT						IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-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)
SEMIVOLATILES															
3,3'-DICHLOROBENZIDINE				770.00 UG/KG		U				780.00 UG/KG		U			
3-NITROANILINE				1900.00 UG/KG		U				1900.00 UG/KG		U			
4,6-DINITRO-2-METHYLPHENOL				1900.00 UG/KG		UJ				1900.00 UG/KG		UJ			
4-BROMOPHENYL PHENYL ETHER				390.00 UG/KG		U				390.00 UG/KG		U			
4-CHLORO-3-METHYLPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
4-CHLOROPHENYLPHENYL ETHER				390.00 UG/KG		U				390.00 UG/KG		U			
4-METHYLPHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
4-NITROANILINE				1900.00 UG/KG		U				1900.00 UG/KG		U			
4-NITROPHENOL				1900.00 UG/KG		U				1900.00 UG/KG		U			
ACENAPHTHENE				390.00 UG/KG		U				390.00 UG/KG		U			
ACENAPHTHYLENE				390.00 UG/KG		U				390.00 UG/KG		U			
ANTHRACENE				390.00 UG/KG		U				390.00 UG/KG		U			
BENZO(A)ANTHRACENE				390.00 UG/KG		U				390.00 UG/KG		U			
BENZO(A)PYRENE				390.00 UG/KG		U				390.00 UG/KG		U			
BENZO(B)FLUORANTHENE				390.00 UG/KG		U				390.00 UG/KG		U			
BENZO(G,H,I)PERYLENE				390.00 UG/KG		U				390.00 UG/KG		U			
BENZO(K)FLUORANTHENE				390.00 UG/KG		U				390.00 UG/KG		U			
BENZOIC ACID				1900.00 UG/KG		U				1900.00 UG/KG		U			
BENZYL ALCOHOL				390.00 UG/KG		U				390.00 UG/KG		U			
BIS(2-CHLOROETHOXY)METHANE				390.00 UG/KG		U				390.00 UG/KG		U			
BIS(2-CHLOROETHYL)ETHER				390.00 UG/KG		U				390.00 UG/KG		U			
BIS(2-CHLOROISOPROPYL) ETHER				390.00 UG/KG		U				390.00 UG/KG		U			
BIS(2-ETHYLHEXYL)PHTHALATE				62.00 UG/KG		J				78.00 UG/KG		J			
BUTYL BENZYL PHTHALATE				390.00 UG/KG		U				390.00 UG/KG		U			
CHRYSENE				390.00 UG/KG		U				390.00 UG/KG		U			
DI-N-BUTYL PHTHALATE				390.00 UG/KG		UJ				390.00 UG/KG		UJ			
DI-N-OCTYL PHTHALATE				390.00 UG/KG		U				390.00 UG/KG		U			
DIBENZO(A,H)ANTHRACENE				390.00 UG/KG		U				390.00 UG/KG		U			
DIBENZOFURAN				390.00 UG/KG		U				390.00 UG/KG		U			
DIETHYL PHTHALATE				390.00 UG/KG		U				390.00 UG/KG		U			
DIMETHYL PHTHALATE				390.00 UG/KG		U				390.00 UG/KG		U			
FLUORANTHENE				390.00 UG/KG		U				390.00 UG/KG		U			
FLUORENE				390.00 UG/KG		U				390.00 UG/KG		U			
HEXACHLOROBENZENE				390.00 UG/KG		U				390.00 UG/KG		U			
HEXACHLOROBUTADIENE				390.00 UG/KG		U				390.00 UG/KG		U			
HEXACHLOROCYCLOPENTADIENE				390.00 UG/KG		U				390.00 UG/KG		U			
HEXACHLOROETHANE				390.00 UG/KG		U				390.00 UG/KG		U			
INDENO(1,2,3-CD)PYRENE				390.00 UG/KG		U				390.00 UG/KG		U			
ISOPHORONE				390.00 UG/KG		U				390.00 UG/KG		U			
N-NITROSO-DI-N-PROPYLAMINE				390.00 UG/KG		U				390.00 UG/KG		U			
N-NITROSODIPHENYLAMINE				390.00 UG/KG		U				390.00 UG/KG		U			
NAPHTHALENE				390.00 UG/KG		U				390.00 UG/KG		U			
NITROBENZENE				390.00 UG/KG		U				390.00 UG/KG		U			
P-CHLOROANILINE				390.00 UG/KG		U				390.00 UG/KG		U			
PENTACHLOROPHENOL				1900.00 UG/KG		U				1900.00 UG/KG		U			

SAMPLE NUMBER:	061163			061168			061198			061203			061219		
LAB:				IT						IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-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)
SEMIVOLATILES															
PHENANTHRENE				390.00 UG/KG		U				390.00 UG/KG		U			
PHENOL				390.00 UG/KG		U				390.00 UG/KG		U			
PYRENE				390.00 UG/KG		U				390.00 UG/KG		U			
VOLATILES															
1,1,1-TRICHLOROETHANE				6.00 UG/KG		U				6.00 UG/KG		U			
1,1,2,2-TETRACHLOROETHANE				6.00 UG/KG		U				6.00 UG/KG		U			
1,1,2-TRICHLOROETHANE				6.00 UG/KG		U				6.00 UG/KG		U			
1,1-DICHLOROETHANE				6.00 UG/KG		U				6.00 UG/KG		U			
1,1-DICHLOROETHENE				6.00 UG/KG		U				6.00 UG/KG		U			
1,2-DICHLOROETHANE				6.00 UG/KG		U				6.00 UG/KG		U			
1,2-DICHLOROETHENE (TOTAL)				6.00 UG/KG		U				6.00 UG/KG		U			
1,2-DICHLOROPROPANE				6.00 UG/KG		U				6.00 UG/KG		U			
2-BUTANONE				12.00 UG/KG		R				12.00 UG/KG		U			
2-HEXANONE				12.00 UG/KG		U				12.00 UG/KG		U			
4-METHYL-2-PENTANONE				12.00 UG/KG		U				2.00 UG/KG		J			
ACETONE				3.00 UG/KG		J				69.00 UG/KG		UJ			
BENZENE				6.00 UG/KG		U				6.00 UG/KG		U			
BROMODICHLOROMETHANE				6.00 UG/KG		UJ				6.00 UG/KG		U			
BROMOFORM				6.00 UG/KG		U				6.00 UG/KG		U			
BROMOMETHANE				12.00 UG/KG		U				12.00 UG/KG		U			
CARBON DISULFIDE				6.00 UG/KG		U				6.00 UG/KG		U			
CARBON TETRACHLORIDE				6.00 UG/KG		UJ				6.00 UG/KG		U			
CHLOROBENZENE				6.00 UG/KG		U				6.00 UG/KG		U			
CHLOROETHANE				12.00 UG/KG		U				12.00 UG/KG		U			
CHLOROFORM				6.00 UG/KG		U				6.00 UG/KG		U			
CHLOROMETHANE				12.00 UG/KG		U				12.00 UG/KG		UJ			
CIS-1,3-DICHLOROPROPENE				6.00 UG/KG		U				6.00 UG/KG		U			
DIBROMOCHLOROMETHANE				6.00 UG/KG		U				6.00 UG/KG		U			
ETHYLBENZENE				6.00 UG/KG		U				6.00 UG/KG		U			
METHYLENE CHLORIDE				8.00 UG/KG		UJ				11.00 UG/KG		U			
STYRENE				6.00 UG/KG		U				6.00 UG/KG		U			
TETRACHLOROETHENE				6.00 UG/KG		U				6.00 UG/KG		U			
TOLUENE				6.00 UG/KG		U				6.00 UG/KG		U			
TRANS-1,3-DICHLOROPROPENE				6.00 UG/KG		U				6.00 UG/KG		U			
TRICHLOROETHENE				6.00 UG/KG		U				6.00 UG/KG		U			
VINYL ACETATE				12.00 UG/KG		UJ				12.00 UG/KG		U			
VINYL CHLORIDE				12.00 UG/KG		U				12.00 UG/KG		U			
XYLENES, TOTAL				6.00 UG/KG		U				6.00 UG/KG		U			

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	061254	061258	005884	005644	005645
TASK:	04.01	04.01	3.4.2	3.4.2	3.4.2
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA37	WPA37	ZONE 2-179	ZONE 3-208	ZONE 3-208
DEPTH:	0-.5	1.5-2	0-.5	0-.167	.167-.333
DATE COLLECTED:	23-APR-91	23-APR-91	09-OCT-88	19-JUN-88	19-JUN-88
NORTH COORDINATE:	480828.6	480828.6	480250	480260	480260
EAST COORDINATE:	1378626.3	1378626.3	1378500	1378340	1378340
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ALUMINUM	8770.00 MG/KG		-												
ANTIMONY	20.60 MG/KG		J												
ARSENIC	9.00 MG/KG		J												
BARIUM	75.20 MG/KG		J												
BERYLLIUM	0.70 MG/KG		-												
CADMIUM	3.70 MG/KG		-												
CALCIUM	33100.00 MG/KG		-												
CHROMIUM	16.70 MG/KG		-												
COBALT	10.00 MG/KG		-												
COPPER	18.20 MG/KG		-												
CYANIDE	0.11 MG/KG		U												
IRON	19200.00 MG/KG		-												
LEAD	17.00 MG/KG		-												
MAGNESIUM	10800.00 MG/KG		-												
MANGANESE	522.00 MG/KG		J												
MERCURY	0.11 MG/KG		U												
MOLYBDENUM	3.20 MG/KG		-												
NICKEL	23.20 MG/KG		-												
POTASSIUM	1090.00 MG/KG		-												
SELENIUM	0.54 MG/KG		-												
SILVER	7.10 MG/KG		-												
SODIUM	86.20 MG/KG		U												
THALLIUM	0.46 MG/KG		UJ												
VANADIUM	23.70 MG/KG		-												
ZINC	49.30 MG/KG		-												
PESTICIDES															
4,4'-DDD	19.00 UG/KG		U												
4,4'-DDE	19.00 UG/KG		U												

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SAMPLE NUMBER:	061254			061258			005884			005644			005645		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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															
4,4'-DDT	19.00 UG/KG		U												
ALDRIN	9.50 UG/KG		U												
ALPHA-BHC	9.50 UG/KG		U												
ALPHA-CHLORDANE	95.00 UG/KG		U												
AROCLOR-1016	95.00 UG/KG		U												
AROCLOR-1221	95.00 UG/KG		U												
AROCLOR-1232	95.00 UG/KG		U												
AROCLOR-1242	95.00 UG/KG		U												
AROCLOR-1248	95.00 UG/KG		U												
AROCLOR-1254	81.00 UG/KG		J												
AROCLOR-1260	190.00 UG/KG		U												
BETA-BHC	9.50 UG/KG		U												
DELTA-BHC	9.50 UG/KG		U												
DIELDRIN	19.00 UG/KG		U												
ENDOSULFAN II	19.00 UG/KG		U												
ENDOSULFAN SULFATE	19.00 UG/KG		U												
ENDOSULFAN-I	9.50 UG/KG		U												
ENDRIN	19.00 UG/KG		U												
ENDRIN KETONE	19.00 UG/KG		U												
GAMMA-BHC (LINDANE)	9.50 UG/KG		U												
GAMMA-CHLORDANE	95.00 UG/KG		U												
HEPTACHLOR	9.50 UG/KG		U												
HEPTACHLOR EPOXIDE	9.50 UG/KG		U												
METHOXYCHLOR	95.00 UG/KG		U												
TOXAPHENE	190.00 UG/KG		U												
RADIONUCLIDES															
URANIUM-238							2.40 PCI/G	.4	-	4.80 PCI/G	.8	J			
URANIUM, TOTAL							11.00 MG/KG	2	R	14.58 MG/KG	.8	J	4.00 MG/KG	3	J
URANIUM-234							2.40 PCI/G	.4	-	2.50 PCI/G	.5	J			
THORIUM-230							2.20 PCI/G	.4	-				2.50 PCI/G	.4	-
RADIUM-226							1.10 PCI/G	.1	R				1.00 PCI/G	.2	J
URANIUM-235/236							0.60 PCI/G		U	0.60 PCI/G		UJ			
THORIUM-232							0.90 PCI/G	.2	-				1.70 PCI/G	.3	-
THORIUM, TOTAL							8.21 PCI/G	.2	NV				15.50 PCI/G	.3	NV
RADIUM-228							1.30 PCI/G	.1	R				1.70 PCI/G	.3	J
THORIUM-228							0.90 PCI/G	.2	-				1.40 PCI/G	.3	-
NEPTUNIUM-237							0.60 PCI/G		U				0.60 PCI/G		UJ
PLUTONIUM-239/240							0.60 PCI/G		UJ				0.60 PCI/G		R
PLUTONIUM-238							0.60 PCI/G		U				0.60 PCI/G		R
STRONTIUM-90							0.50 PCI/G		UJ				0.90 PCI/G	.2	J
TECHNETIUM-99							1.00 PCI/G		UJ				1.00 PCI/G		UJ
RUTHENIUM-106							1.00 PCI/G		R				1.50 PCI/G		UJ
CESIUM-137							0.20 PCI/G		R				0.20 PCI/G		UJ

SAMPLE NUMBER:	061254			061258			005884			005644			005645		
LAB:							IT						IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			-			NONE-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)
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				370.00 UG/KG		U									
1,2-DICHLOROBENZENE				370.00 UG/KG		U									
1,3-DICHLOROBENZENE				370.00 UG/KG		U									
1,4-DICHLOROBENZENE				370.00 UG/KG		U									
2,4,5-TRICHLOROPHENOL				1800.00 UG/KG		U									
2,4,6-TRICHLOROPHENOL				370.00 UG/KG		U									
2,4-DICHLOROPHENOL				370.00 UG/KG		U									
2,4-DIMETHYLPHENOL				370.00 UG/KG		U									
2,4-DINITROPHENOL				1800.00 UG/KG		UJ									
2,4-DINITROTOLUENE				370.00 UG/KG		U									
2,6-DINITROTOLUENE				370.00 UG/KG		U									
2-CHLORONAPHTHALENE				370.00 UG/KG		U									
2-CHLOROPHENOL				370.00 UG/KG		U									
2-METHYLNAPHTHALENE				370.00 UG/KG		U									
2-METHYLPHENOL				370.00 UG/KG		U									
2-NITROANILINE				1800.00 UG/KG		U									
2-NITROPHENOL				370.00 UG/KG		U									
3,3'-DICHLOROBENZIDINE				730.00 UG/KG		U									
3-NITROANILINE				1800.00 UG/KG		U									
4,6-DINITRO-2-METHYLPHENOL				1800.00 UG/KG		U									
4-BROMOPHENYL PHENYL ETHER				370.00 UG/KG		U									
4-CHLORO-3-METHYLPHENOL				370.00 UG/KG		U									
4-CHLOROPHENYLPHENYL ETHER				370.00 UG/KG		U									
4-METHYLPHENOL				370.00 UG/KG		U									
4-NITROANILINE				1800.00 UG/KG		U									
4-NITROPHENOL				1800.00 UG/KG		U									
ACENAPHTHENE				370.00 UG/KG		U									
ACENAPHTHYLENE				370.00 UG/KG		U									
ANTHRACENE				370.00 UG/KG		U									
BENZO(A)ANTHRACENE				370.00 UG/KG		U									
BENZO(A)PYRENE				370.00 UG/KG		U									
BENZO(B)FLUORANTHENE				370.00 UG/KG		U									
BENZO(G,H,I)PERYLENE				370.00 UG/KG		U									
BENZO(K)FLUORANTHENE				370.00 UG/KG		U									
BENZOIC ACID				1800.00 UG/KG		UJ									
BENZYL ALCOHOL				370.00 UG/KG		U									
BIS(2-CHLOROETHOXY)METHANE				370.00 UG/KG		U									
BIS(2-CHLOROETHYL)ETHER				370.00 UG/KG		U									
BIS(2-CHLOROISOPROPYL) ETHER				370.00 UG/KG		U									
BIS(2-ETHYLHEXYL)PHTHALATE				370.00 UG/KG		U									
BUTYL BENZYL PHTHALATE				370.00 UG/KG		U									
CHRYSENE				370.00 UG/KG		U									
DI-N-BUTYL PHTHALATE				370.00 UG/KG		U									
DI-N-OCTYL PHTHALATE				370.00 UG/KG		U									
DIBENZO(A,H)ANTHRACENE				370.00 UG/KG		U									

SAMPLE NUMBER:	061254			061258			005884			005644			005645		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
DIBENZOFURAN				370.00 UG/KG		U									
DIETHYL PHTHALATE				370.00 UG/KG		U									
DIMETHYL PHTHALATE				370.00 UG/KG		U									
FLUORANTHENE				370.00 UG/KG		U									
FLUORENE				370.00 UG/KG		UJ									
HEXACHLOROBENZENE				370.00 UG/KG		U									
HEXACHLOROBUTADIENE				370.00 UG/KG		U									
HEXACHLOROCYCLOPENTADIENE				370.00 UG/KG		U									
HEXACHLOROETHANE				370.00 UG/KG		U									
INDENO(1,2,3-CD)PYRENE				370.00 UG/KG		U									
ISOPHORONE				370.00 UG/KG		U									
N-NITROSO-DI-N-PROPYLAMINE				370.00 UG/KG		U									
N-NITROSODIPHENYLAMINE				370.00 UG/KG		U									
NAPHTHALENE				370.00 UG/KG		U									
NITROBENZENE				370.00 UG/KG		U									
P-CHLOROANILINE				370.00 UG/KG		U									
PENTACHLOROPHENOL				1800.00 UG/KG		U									
PHENANTHRENE				370.00 UG/KG		U									
PHENOL				370.00 UG/KG		U									
PYRENE				370.00 UG/KG		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				5.00 UG/KG		U									
1,1,2,2-TETRACHLOROETHANE				5.00 UG/KG		U									
1,1,2-TRICHLOROETHANE				5.00 UG/KG		U									
1,1-DICHLOROETHANE				5.00 UG/KG		U									
1,1-DICHLOROETHENE				5.00 UG/KG		U									
1,2-DICHLOROETHANE				5.00 UG/KG		U									
1,2-DICHLOROETHENE (TOTAL)				5.00 UG/KG		U									
1,2-DICHLOROPROPANE				5.00 UG/KG		U									
2-BUTANONE				11.00 UG/KG		U									
2-HEXANONE				11.00 UG/KG		U									
4-METHYL-2-PENTANONE				11.00 UG/KG		U									
ACETONE				11.00 UG/KG		UJ									
BENZENE				5.00 UG/KG		U									
BROMODICHLOROMETHANE				5.00 UG/KG		U									
BROMOFORM				5.00 UG/KG		U									
BROMOMETHANE				11.00 UG/KG		UJ									
CARBON DISULFIDE				5.00 UG/KG		U									
CARBON TETRACHLORIDE				5.00 UG/KG		U									
CHLOROBENZENE				5.00 UG/KG		U									
CHLOROETHANE				11.00 UG/KG		U									
CHLOROFORM				5.00 UG/KG		U									
CHLOROMETHANE				11.00 UG/KG		U									

SAMPLE NUMBER:	061254			061258			005884			005644			005645		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
CIS-1,3-DICHLOROPROPENE				5.00 UG/KG		U									
DIBROMOCHLOROMETHANE				5.00 UG/KG		U									
ETHYLBENZENE				5.00 UG/KG		U									
METHYLENE CHLORIDE				15.00 UG/KG		UJ									
STYRENE				5.00 UG/KG		U									
TETRACHLOROETHENE				5.00 UG/KG		U									
TOLUENE				5.00 UG/KG		U									
TRANS-1,3-DICHLOROPROPENE				5.00 UG/KG		U									
TRICHLOROETHENE				5.00 UG/KG		U									
VINYL ACETATE				11.00 UG/KG		U									
VINYL CHLORIDE				11.00 UG/KG		U									
XYLENES, TOTAL				5.00 UG/KG		U									

FERNALD ANALYTICAL REPORT
SOILS - OU4 - SILOS

SAMPLE NUMBER:	005646			005650			005651			005652					
TASK:	3.4.2			3.4.2			3.4.2			3.4.2					
LAB:	IT			IT			IT			IT					
WELL OR BORING NUMBER:	ZONE 3-208			ZONE 3-257			ZONE 3-257			ZONE 3-257					
DEPTH:	.333-.5			0-.167			.167-.333			.333-.5			-		
DATE COLLECTED:	19-JUN-88			19-JUN-88			19-JUN-88			19-JUN-88					
NORTH COORDINATE:	480260			480700			480700			480700					
EAST COORDINATE:	1378340			1378400			1378400			1378400					
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL					
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-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)
RADIONUCLIDES															
URANIUM-238				7.30 PCI/G	1.1	J									
URANIUM, TOTAL	4.00 MG/KG	3	J	22.03 MG/KG	1.1	J	10.00 MG/KG	2	J	12.00 MG/KG	3	J			
URANIUM-234				4.70 PCI/G	.7	J									
THORIUM-230	1.90 PCI/G	.4	-				3.30 PCI/G	.5	-	3.30 PCI/G	.5	-			
RADIUM-226	1.00 PCI/G	.2	J				1.10 PCI/G	.1	J	1.20 PCI/G	.1	J			
URANIUM-235/236				0.60 PCI/G		UJ									
THORIUM-232	1.20 PCI/G	.3	-				1.30 PCI/G	.3	-	1.00 PCI/G	.2	-			
THORIUM, TOTAL	10.94 PCI/G	.3	NV				11.86 PCI/G	.3	NV	9.12 PCI/G	.2	NV			
RADIUM-228	1.40 PCI/G	.3	J				1.00 PCI/G	.2	J	1.20 PCI/G	.2	J			
THORIUM-228	1.20 PCI/G	.3	-				0.90 PCI/G	.2	-	1.00 PCI/G	.2	-			
NEPTUNIUM-237	0.60 PCI/G		UJ				0.60 PCI/G		UJ	0.60 PCI/G		UJ			
PLUTONIUM-239/240	0.60 PCI/G		R				0.60 PCI/G		R	0.60 PCI/G		R			
PLUTONIUM-238	0.60 PCI/G		R				0.60 PCI/G		R	0.60 PCI/G		R			
STRONTIUM-90	0.80 PCI/G	.3	J				2.60 PCI/G	.4	R	1.60 PCI/G	.3	J			
TECHNETIUM-99	1.00 PCI/G		UJ				1.00 PCI/G		UJ	1.00 PCI/G		UJ			
RUTHENIUM-106	1.80 PCI/G		UJ				1.00 PCI/G		UJ	1.10 PCI/G		UJ			
CESIUM-137	0.20 PCI/G		UJ				0.20 PCI/G		UJ	0.20 PCI/G		UJ			

TCLP/EPTOX Data

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020102	020108	020126	020127	020132
TASK:	3.8	3.8	3.8	3.8	3.8
LAB:	UNKNOWN	UNKNOWN	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	035	036	051	052	057
DEPTH:	1-2.5	1-2.5	1-1.5	1-1.5	1-1.5
DATE COLLECTED:	15-MAR-88	17-MAR-88	18-MAR-88	18-MAR-88	18-MAR-88
NORTH COORDINATE:	481600	481800	481300	481250	481300
EAST COORDINATE:	1381950	1381950	1381900	1381900	1381950
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	22.00 %		NV	16.00 %		NV									
INORGANICS															
ARSENIC							1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
CADMIUM							0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM							1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD							1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
SELENIUM							0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020133	020219	020220	020221	020222
TASK:	3.8	3.8	3.8	3.8	3.8
LAB:	WMCO	WMCO	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	058	065	065	066	066
DEPTH:	1-1.5	1.8-2.3	2.8-3.3	1.8-2.3	2.8-3.3
DATE COLLECTED:	18-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88
NORTH COORDINATE:	481250	481300	481300	481350	481350
EAST COORDINATE:	1381950	1381900	1381900	1381900	1381900
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
BARIUM				25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV
CADMIUM	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
MERCURY				0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SELENIUM	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SILVER				1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020223	020224	020225	020226	020227
TASK:	3.8	3.8	3.8	3.8	3.8
LAB:	WMCO	WMCO	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	067	067	068	068	069
DEPTH:	1.8-2.3	2.8-3.3	1.8-2.3	2.8-3.3	1.8-2.3
DATE COLLECTED:	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88
NORTH COORDINATE:	481400	481400	481450	481450	481450
EAST COORDINATE:	1381900	1381900	1381900	1381900	1381950
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	1.00 MG/L		UNV	1.00 MG/L		UNV	0.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
BARIUM	25.00 MG/L		UNV	25.00 MG/L		UNV	0.03 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV
CADMIUM	0.20 MG/L		UNV	0.20 MG/L		UNV	0.00 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM	1.00 MG/L		UNV	1.00 MG/L		UNV	0.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD	1.00 MG/L		UNV	1.00 MG/L		UNV	0.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
MERCURY	0.10 MG/L		UNV	0.10 MG/L		UNV	0.00 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SELENIUM	0.10 MG/L		UNV	0.10 MG/L		UNV	0.00 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SILVER	1.00 MG/L		UNV	1.00 MG/L		UNV	0.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020228	020229	020230	020231	020232
TASK:	3.8	3.8	3.8	3.8	3.8
LAB:	WMCO	WMCO	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	069	070	070	071	071
DEPTH:	2.8-3.3	1.8-2.3	2.8-3.3	1.8-2.3	2.8-3.3
DATE COLLECTED:	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88
NORTH COORDINATE:	481450	481400	481400	481350	481350
EAST COORDINATE:	1381950	1381950	1381950	1381950	1381950
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
BARIUM	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV
CADMIUM	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
MERCURY	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SELENIUM	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SILVER	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020233	020234	020235	020236	020237
TASK:	3.8	3.8	3.8	3.8	3.8
LAB:	WMCO	WMCO	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	072	072	073	073	074
DEPTH:	1.8-2.3	2.8-3.3	.8-1.3	1.8-2.3	.8-1.3
DATE COLLECTED:	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88	31-MAR-88
NORTH COORDINATE:	481300	481300	481300	481300	481250
EAST COORDINATE:	1381950	1381950	1381925	1381925	1381925
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
BARIUM	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV
CADMIUM	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
MERCURY	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SELENIUM	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SILVER	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020238	020239	020240	020241	020242
TASK:	3.8	3.8	3.8	3.8	3.8
LAB:	WMCO	WMCO	WMCO	WMCO	WMCO
WELL OR BORING NUMBER:	074	075	075	076	076
DEPTH:	1.8-2.3	.8-1.3	1.8-2.3	.8-1.3	1.8-2.3
DATE COLLECTED:	31-MAR-88	05-APR-88	05-APR-88	05-APR-88	05-APR-88
NORTH COORDINATE:	481250	481200	481200	481200	481200
EAST COORDINATE:	1381925	1381850	1381850	1381900	1381900
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
BARIUM	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV
CADMIUM	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
MERCURY	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SELENIUM	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SILVER	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020243			020244			020245			020246			020247		
TASK:	3.8			3.8			3.8			3.8			3.8		
LAB:	WMCO			WMCO			WMCO			WMCO			WMCO		
WELL OR BORING NUMBER:	077			077			078			078			079		
DEPTH:	.8-1.3			1.8-2.3			.8-1.3			1.8-2.3			.8-1.3		
DATE COLLECTED:	05-APR-88			05-APR-88			05-APR-88			05-APR-88			05-APR-88		
NORTH COORDINATE:	481200			481200			481200			481200			481200		
EAST COORDINATE:	1381925			1381925			1381950			1381950			1382000		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
INORGANICS															
ARSENIC	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
BARIUM	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV	25.00 MG/L		UNV
CADMIUM	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV	0.20 MG/L		UNV
CHROMIUM	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
LEAD	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV
MERCURY	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SELENIUM	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV	0.10 MG/L		UNV
SILVER	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV	1.00 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	020248	008186	100600	008619	008620
TASK:	3.8	3.2	03.01.01	3.2	3.2
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	079	1038	1070	1075	1075
DEPTH:	1.8-2.3	0-1.5	0-.5	-	-
DATE COLLECTED:	05-APR-88	02-MAR-88	04-JAN-92	21-JUL-88	21-JUL-88
NORTH COORDINATE:	481200	482055.43	476940.09	481637.42	481637.42
EAST COORDINATE:	1382000	1379622.49	1382104.84	1378535.9	1378535.9
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							21.00 %		NV						
HERBICIDES															
2,4,5-T				0.10 UG/L		UNV									
2,4,5-TP (SILVEX)				0.10 UG/L		UNV									
2,4-D				0.10 UG/L		UNV									
INORGANICS															
ALUMINUM				0.04 MG/L		UJ									
ANTIMONY				0.03 MG/L		UJ									
ARSENIC	1.00 MG/L		UNV	0.00 MG/L		NV				0.01 MG/L		-	0.01 MG/L		-
BARIUM	25.00 MG/L		UNV	0.05 MG/L		J				0.48 MG/L		J	0.08 MG/L		J
BERYLLIUM				0.00 MG/L		UJ									
CADMIUM	0.20 MG/L		UNV	0.01 MG/L		UJ				0.01 MG/L		-	0.01 MG/L		U
CALCIUM				141.00 MG/L		J									
CHROMIUM	1.00 MG/L		UNV	0.01 MG/L		UJ				0.06 MG/L		-	0.04 MG/L		-
COBALT				0.02 MG/L		UJ									
COPPER				0.01 MG/L		UJ									
CYANIDE				0.02 MG/L		UJ									
IRON				0.04 MG/L		J									
LEAD	1.00 MG/L		UNV	0.01 MG/L		UJ				0.11 MG/L		-	0.06 MG/L		-
MAGNESIUM				66.00 MG/L		J									
MANGANESE				0.26 MG/L		J									
MERCURY	0.10 MG/L		UNV	0.00 MG/L		UJ				0.00 MG/L		UJ	0.00 MG/L		UJ
NICKEL				0.02 MG/L		UJ									
POTASSIUM				1.72 MG/L		J									
SELENIUM	0.10 MG/L		UNV	0.00 MG/L		UJ				0.05 MG/L		U	0.01 MG/L		U
SILVER	1.00 MG/L		UNV	0.01 MG/L		J				0.02 MG/L		-	0.01 MG/L		U

SAMPLE NUMBER:	020248			008186			100600			008619			008620		
LAB:	WMCO			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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)
INORGANICS															
SODIUM				10.40 MG/L		J									
THALLIUM				0.02 MG/L		UJ									
VANADIUM				0.01 MG/L		UJ									
ZINC				0.03 MG/L		J									
PESTICIDES															
4,4'-DDD				0.10 UG/L		UNV									
4,4'-DDE				0.10 UG/L		UNV									
4,4'-DDT				0.10 UG/L		UNV									
ALDRIN				0.05 UG/L		UNV									
ALPHA-BHC				0.05 UG/L		UNV									
ALPHA-CHLORDANE				0.50 UG/L		UNV									
AROCLOR-1016				0.50 UG/L		UJ									
AROCLOR-1221				0.50 UG/L		UJ									
AROCLOR-1232				0.50 UG/L		UJ									
AROCLOR-1242				0.50 UG/L		UJ									
AROCLOR-1248				0.50 UG/L		UJ									
AROCLOR-1254				1.00 UG/L		UJ									
AROCLOR-1260				1.00 UG/L		UJ									
BETA-BHC				0.05 UG/L		UNV									
DELTA-BHC				0.05 UG/L		UNV									
DIELDRIN				0.10 UG/L		UNV									
ENDOSULFAN II				0.10 UG/L		UNV									
ENDOSULFAN SULFATE				0.10 UG/L		UNV									
ENDOSULFAN-I				0.05 UG/L		UNV									
ENDRIN				0.10 UG/L		UNV									
ENDRIN KETONE				0.10 UG/L		UNV									
GAMMA-BHC (LINDANE)				0.05 UG/L		UNV									
GAMMA-CHLORDANE				0.50 UG/L		UNV									
HEPTACHLOR				0.05 UG/L		UNV									
HEPTACHLOR EPOXIDE				0.05 UG/L		UNV									
METHOXYCHLOR				0.50 UG/L		UNV									
TOXAPHENE				1.00 UG/L		UJ									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10.00 UG/L		UNV									
1,2-DICHLOROBENZENE				10.00 UG/L		UNV									
1,3-DICHLOROBENZENE				10.00 UG/L		UNV									
1,4-DICHLOROBENZENE				10.00 UG/L		UNV									
2,4,5-TRICHLOROPHENOL				50.00 UG/L		UNV									
2,4,6-TRICHLOROPHENOL				10.00 UG/L		UNV									
2,4-DICHLOROPHENOL				10.00 UG/L		UNV									
2,6-DIMETHYLPHENOL				10.00 UG/L		UNV									

SAMPLE NUMBER:	020248			008186			100600			008619			008620		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
2,4-DINITROPHENOL				50.00 UG/L		UNV									
2,4-DINITROTOLUENE				10.00 UG/L		UNV									
2,6-DINITROTOLUENE				10.00 UG/L		UNV									
2-CHLORONAPHTHALENE				10.00 UG/L		UNV									
2-CHLOROPHENOL				10.00 UG/L		UNV									
2-METHYLNAPHTHALENE				10.00 UG/L		UNV									
2-METHYLPHENOL				10.00 UG/L		UNV									
2-NITROANILINE				50.00 UG/L		UNV									
2-NITROPHENOL				10.00 UG/L		UNV									
3,3'-DICHLOROBENZIDINE				20.00 UG/L		UJ									
3-NITROANILINE				50.00 UG/L		R									
4,6-DINITRO-2-METHYLPHENOL				50.00 UG/L		UNV									
4-BROMOPHENYL PHENYL ETHER				10.00 UG/L		UNV									
4-CHLORO-3-METHYLPHENOL				10.00 UG/L		UNV									
4-CHLOROPHENYLPHENYL ETHER				10.00 UG/L		UNV									
4-METHYLPHENOL				10.00 UG/L		UNV									
4-NITROANILINE				50.00 UG/L		R									
4-NITROPHENOL				50.00 UG/L		UNV									
ACENAPHTHENE				10.00 UG/L		UNV									
ACENAPHTHYLENE				10.00 UG/L		UNV									
ANTHRACENE				10.00 UG/L		UNV									
BENZO(A)ANTHRACENE				10.00 UG/L		UNV									
BENZO(A)PYRENE				10.00 UG/L		UNV									
BENZO(B)FLUORANTHENE				10.00 UG/L		UNV									
BENZO(G,H,I)PERYLENE				10.00 UG/L		UNV									
BENZO(K)FLUORANTHENE				10.00 UG/L		UNV									
BENZOIC ACID				50.00 UG/L		UJ									
BENZYL ALCOHOL				10.00 UG/L		UNV									
BIS(2-CHLOROETHOXY)METHANE				10.00 UG/L		UNV									
BIS(2-CHLOROETHYL)ETHER				10.00 UG/L		UNV									
BIS(2-CHLOROISOPROPYL) ETHER				10.00 UG/L		UNV									
BIS(2-ETHYLHEXYL)PHTHALATE				2.00 UG/L		R									
BUTYL BENZYL PHTHALATE				10.00 UG/L		UNV									
CHRYSENE				10.00 UG/L		UNV									
DI-N-BUTYL PHTHALATE				10.00 UG/L		UNV									
DI-N-OCTYL PHTHALATE				10.00 UG/L		UNV									
DIBENZO(A,H)ANTHRACENE				10.00 UG/L		UNV									
DIBENZOFURAN				10.00 UG/L		UNV									
DIETHYL PHTHALATE				10.00 UG/L		UNV									
DIMETHYL PHTHALATE				10.00 UG/L		UNV									
FLUORANTHENE				10.00 UG/L		UNV									
FLUORENE				10.00 UG/L		UNV									
HEXACHLOROBENZENE				10.00 UG/L		UNV									
HEXACHLOROBUTADIENE				10.00 UG/L		UNV									
HEXACHLOROCYCLOPENTADIENE				10.00 UG/L		UNV									

SAMPLE NUMBER:	020248			008186			100600			008619			008620		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
HEXACHLOROETHANE				10.00 UG/L		UNV									
INDENO(1,2,3-CD)PYRENE				10.00 UG/L		UNV									
ISOPHORONE				10.00 UG/L		UNV									
N-NITROSO-DI-N-PROPYLAMINE				10.00 UG/L		UNV									
N-NITROSODIPHENYLAMINE				10.00 UG/L		UNV									
NAPHTHALENE				10.00 UG/L		UNV									
NITROBENZENE				10.00 UG/L		UNV									
P-CHLOROANILINE				10.00 UG/L		R									
PENTACHLOROPHENOL				50.00 UG/L		UNV									
PHENANTHRENE				10.00 UG/L		UNV									
PHENOL				10.00 UG/L		UNV									
PYRENE				10.00 UG/L		UNV									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	008622	008623	008624	008625	008626
TASK:	3.2	3.2	3.2	3.2	3.2
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1075	1075	1075	1075	1075
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-JUL-88	21-JUL-88	21-JUL-88	21-JUL-88	21-JUL-88
NORTH COORDINATE:	481637.42	481637.42	481637.42	481637.42	481637.42
EAST COORDINATE:	1378535.9	1378535.9	1378535.9	1378535.9	1378535.9
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	0.01 MG/L		-	0.05 MG/L		-	0.01 MG/L		U	0.01 MG/L		U	0.10 MG/L		-
BARIUM	0.54 MG/L		J	0.38 MG/L		J	0.68 MG/L		J	0.76 MG/L		J	0.42 MG/L		J
CADMIUM	0.01 MG/L		-	0.01 MG/L		-	0.01 MG/L		U	0.01 MG/L		-	0.01 MG/L		-
CHROMIUM	0.05 MG/L		-	0.03 MG/L		-	0.04 MG/L		-	0.05 MG/L		-	0.04 MG/L		-
LEAD	0.10 MG/L		-	0.08 MG/L		-	0.08 MG/L		-	0.10 MG/L		-	0.08 MG/L		-
MERCURY	0.00 MG/L		J	0.00 MG/L		UJ	0.00 MG/L		UJ	0.00 MG/L		J	0.00 MG/L		UJ
SELENIUM	0.01 MG/L		U	0.01 MG/L		U	0.01 MG/L		U	0.01 MG/L		U	0.01 MG/L		U
SILVER	0.01 MG/L		-	0.01 MG/L		-	0.01 MG/L		-	0.01 MG/L		-	0.01 MG/L		-

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	008627	119065	119705	119492	119432
TASK:	3.2	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	IT	IT	IT	TCT	TCT
WELL OR BORING NUMBER:	1075	11067	11077	11078	11079
DEPTH:	-	0-20	-	0-10	-
DATE COLLECTED:	21-JUL-88	11-JUN-93	23-JUN-93	01-JUL-93	30-JUN-93
NORTH COORDINATE:	481637.42	480193.68	481247.74	482143.6	481038.41
EAST COORDINATE:	1378535.9	1382782.71	1378975.42	1379841.59	1378471.71
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
INORGANICS															
ARSENIC	0.01 MG/L		-	0.05 MG/L		UJ	0.05 MG/L		UJ	0.09 MG/L		UJ	0.09 MG/L		UJ
BARIUM	0.72 MG/L		J	0.73 MG/L		J	0.73 MG/L		-	1.42 MG/L		U	0.85 MG/L		U
CADMIUM	0.01 MG/L		-	0.01 MG/L		UJ	0.01 MG/L		U	0.01 MG/L		UJ	0.01 MG/L		UJ
CHROMIUM	0.04 MG/L		-	0.01 MG/L		UJ	0.02 MG/L		-	0.01 MG/L		-	0.01 MG/L		U
LEAD	0.08 MG/L		-	0.04 MG/L		UJ	0.04 MG/L		UJ	0.06 MG/L		UJ	0.06 MG/L		UJ
MERCURY	0.00 MG/L		UJ	0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
SELENIUM	0.01 MG/L		U	0.08 MG/L		UJ	0.08 MG/L		J	0.11 MG/L		UJ	0.11 MG/L		UJ
SILVER	0.01 MG/L		-	0.01 MG/L		UJ	0.01 MG/L		U	0.01 MG/L		U	0.01 MG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	122582	121197	051413	016595	016597
TASK:	50.03.18	50.03.18	3.7	3.7	3.7
LAB:	CORE	CORE	IT	IT	IT
WELL OR BORING NUMBER:	11111	11196	1148	1183	1183
DEPTH:	15-15.5	1-1.5	4.5-5	0-.5	.5-1
DATE COLLECTED:	25-JUL-93	12-JUL-93	02-AUG-89	23-OCT-89	23-OCT-89
NORTH COORDINATE:	480985.24	481847.23	480424.65	480704.01	480704.01
EAST COORDINATE:	1381182.5	1380798.11	1381655.96	1380355.3	1380355.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							20.00 %		NV	11.00 %		NV	15.00 %		NV
RADIONUCLIDES															
THORIUM-232	0.50 PCI/L	.2	J	0.40 PCI/L	.2	J									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	051755	051954	017276	017719	000841
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1184	1193	1213	1234	1247
DEPTH:	5-5.5	6-7.5	6.5-7	0-.5	-
DATE COLLECTED:	06-JUN-89	01-DEC-89	04-JUN-89	27-JUL-89	25-AUG-91
NORTH COORDINATE:	480702.37	480634.42	480519.86	480207.9	479914.24
EAST COORDINATE:	1380398.11	1380378.43	1380217.86	1380230.49	1379929.82
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	5.00 % MOISTURE		NV	23.00 %		NV	0.00 % MOISTURE		NV	0.00 % MOISTURE		NV			
HERBICIDES															
2,4,5-TP (SILVEX)													17.00 UG/L		U
2,4-D													120.00 UG/L		U
INORGANICS															
ARSENIC													0.05 MG/L		U
BARIUM													0.94 MG/L		U
CADMIUM													0.00 MG/L		U
CHROMIUM													0.00 MG/L		U
LEAD													0.04 MG/L		U
MERCURY													0.00 MG/L		UJ
SELENIUM													0.07 MG/L		U
SILVER													0.01 MG/L		U
PESTICIDES															
CHLORDANE													0.70 UG/L		U
ENDRIN													0.30 UG/L		U
GAMMA-BHC (LINDANE)													0.20 UG/L		U
HEPTACHLOR													0.15 UG/L		U
HEPTACHLOR EPOXIDE													4.20 UG/L		U
METHOXYCHLOR													8.80 UG/L		U
TOXAPHENE													12.00 UG/L		U
SEMIVOLATILES															

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	051755			051954			017276			017719			000841		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL													40.00 UG/L		U
2,4,6-TRICHLOROPHENOL													40.00 UG/L		U
2,4-DINITROTOLUENE													40.00 UG/L		U
2-METHYLPHENOL													40.00 UG/L		U
4-METHYLPHENOL													40.00 UG/L		U
HEXACHLOROBENZENE													40.00 UG/L		U
HEXACHLOROBUTADIENE													40.00 UG/L		U
HEXACHLOROETHANE													40.00 UG/L		U
NITROBENZENE													40.00 UG/L		U
PENTACHLOROPHENOL													200.00 UG/L		U
PYRIDINE													400.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE													50.00 UG/L		U
1,2-DICHLOROETHANE													50.00 UG/L		U
2-BUTANONE													100.00 UG/L		U
BENZENE													50.00 UG/L		U
CARBON TETRACHLORIDE													50.00 UG/L		U
CHLOROBENZENE													50.00 UG/L		U
CHLOROFORM													50.00 UG/L		U
TETRACHLOROETHENE													29.00 UG/L		U
TRICHLOROETHENE													50.00 UG/L		U
VINYL CHLORIDE													100.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	052652	018069	018071	052733	052753
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1247	1250	1250	1251	1252
DEPTH:	-	0-.5	.5-1	-	0-.5
DATE COLLECTED:	04-DEC-90	09-JAN-90	09-JAN-90	08-JAN-91	15-JUN-89
NORTH COORDINATE:	479914.24	479809.04	479809.04	479870.6	479805.02
EAST COORDINATE:	1379929.82	1379858.62	1379858.62	1379933.54	1379911.5
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE				13.00 %		NV	16.00 %		NV				11.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		UJ							1.80 UG/L		U			
2,4-D	12.00 UG/L		UJ							12.00 UG/L		U			
INORGANICS															
ARSENIC	0.34 MG/L		U							0.29 MG/L		-			
BARIUM	1.32 MG/L		-							0.68 MG/L		-			
CADMIUM	0.03 MG/L		J							0.02 MG/L		-			
CHROMIUM	0.16 MG/L		-							0.10 MG/L		-			
LEAD	0.20 MG/L		U							0.20 MG/L		U			
MERCURY	0.00 MG/L		U							0.00 MG/L		U			
SELENIUM	0.40 MG/L		U							0.40 MG/L		U			
SILVER	0.17 MG/L		-							0.15 MG/L		-			
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		UJ			
PESTICIDES															
ALPHA-CHLORDANE	1.00 UG/L		UJ							1.00 UG/L		UNV			
CHLORDANE	2.00 UG/L		UJ												
ENDRIN	0.20 UG/L		UJ							0.10 UG/L		U			
GAMMA-BHC (LINDANE)	0.10 UG/L		UJ							0.10 UG/L		UNV			
GAMMA-CHLORDANE	1.00 UG/L		UJ							1.00 UG/L		UNV			
HEPTACHLOR	0.10 UG/L		UJ							0.05 UG/L		U			

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SAMPLE NUMBER:	052652			018069			018071			052733			052753		
LAB:	IT									IT					
SUFFIX/FILTERFLAG:	NONE-NA			-			-			NONE-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															
HEPTACHLOR EPOXIDE	0.10 UG/L		UJ							0.05 UG/L		U			
METHOXYCHLOR	1.00 UG/L		UJ							1.00 UG/L		UNV			
TOXAPHENE	2.00 UG/L		UJ							1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		UJ			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UJ			
2,4-DINITROTOLUENE										20.00 UG/L		UJ			
2-METHYLPHENOL										20.00 UG/L		UJ			
4-METHYLPHENOL										20.00 UG/L		UJ			
HEXACHLOROBENZENE										20.00 UG/L		UNV			
HEXACHLOROBUTADIENE										20.00 UG/L		UNV			
HEXACHLOROETHANE										20.00 UG/L		UJ			
NITROBENZENE										20.00 UG/L		UNV			
PENTACHLOROPHENOL										100.00 UG/L		UJ			
PYRIDINE										20.00 UG/L		UJ			
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U			
1,2-DICHLOROETHANE										5.00 UG/L		U			
2-BUTANONE										10.00 UG/L		U			
BENZENE										5.00 UG/L		U			
CARBON TETRACHLORIDE										5.00 UG/L		U			
CHLOROBENZENE										5.00 UG/L		U			
CHLOROFORM										5.00 UG/L		U			
TETRACHLOROETHENE										5.00 UG/L		U			
TRICHLOROETHENE										5.00 UG/L		U			
VINYL CHLORIDE										10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	052754	052873	052893	018289	018290
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	1252	1258	1259	1260	1260
DEPTH:	.5-1	-	-	0-.5	.5-1
DATE COLLECTED:	15-JUN-89	10-SEP-90	09-SEP-90	15-JUN-89	15-JUN-89
NORTH COORDINATE:	479805.02	479746.35	479741.4	479755.59	479755.59
EAST COORDINATE:	1379911.5	1379938.82	1379978.37	1379915.71	1379915.71
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV							11.00 %		NV	5.00 % MOISTURE		NV
HERBICIDES															
2,4,5-TP (SILVEX)				2.00 UG/L		U	2.00 UG/L		U						
2,4-D				12.00 UG/L		U	13.00 UG/L		U						
INORGANICS															
ARSENIC				0.08 MG/L		-	0.25 MG/L		U						
BARIUM				0.70 MG/L		-	0.89 MG/L		-						
CADMIUM				0.01 MG/L		-	0.01 MG/L		-						
CHROMIUM				0.01 MG/L		U	0.14 MG/L		-						
LEAD				0.05 MG/L		-	0.20 MG/L		U						
MERCURY				0.00 MG/L		U	0.00 MG/L		UJ						
SELENIUM				0.10 MG/L		-	0.16 MG/L		U						
SILVER				0.01 MG/L		U	0.10 MG/L		-						
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U						
PESTICIDES															
CHLORDANE				0.50 UG/L		U	0.50 UG/L		U						
ENDRIN				0.10 UG/L		U	0.10 UG/L		U						
GAMMA-BHC (LINDANE)				0.05 UG/L		U	0.05 UG/L		U						
HEPTACHLOR				0.05 UG/L		U	0.05 UG/L		U						
HEPTACHLOR EPOXIDE				0.05 UG/L		U	0.05 UG/L		U						
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		U						

SAMPLE NUMBER:	052754			052873			052893			018289			018290		
LAB:				IT			IT-KNOX								
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-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															
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U						
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U	20.00 UG/L		U						
2,4-DINITROTOLUENE				20.00 UG/L		U	20.00 UG/L		U						
2-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U						
4-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBUTADIENE				20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROETHANE				20.00 UG/L		U	20.00 UG/L		U						
NITROBENZENE				20.00 UG/L		U	20.00 UG/L		U						
PENTACHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U						
PYRIDINE				20.00 UG/L		U	20.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U						
2-BUTANONE				10000.00 UG/L		U	10.00 UG/L		U						
BENZENE				5.00 UG/L		U	5.00 UG/L		U						
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U						
TETRACHLOROETHENE				2.00 UG/L		U	5.00 UG/L		U						
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	052933	018421	018422	018883	018884
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1261	1266	1266	1287	1287
DEPTH:	-	0-.5	.5-1	0-.5	.5-1
DATE COLLECTED:	18-NOV-90	13-JUN-89	13-JUN-89	17-JUL-89	17-JUL-89
NORTH COORDINATE:	479784.63	479713.63	479713.63	481634.92	481634.92
EAST COORDINATE:	1380025.49	1380213.49	1380213.49	1380992.27	1380992.27
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	R-NA	NONE-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															
% MOISTURE				23.00 %		NV	10.00 %		NV	11.00 %		NV	12.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	2.00 UG/L		U												
2,4-D	13.50 UG/L		U												
INORGANICS															
ARSENIC	0.19 MG/L		U												
BARIUM	0.44 MG/L		-												
CADMIUM	0.00 MG/L		-												
CHROMIUM	0.01 MG/L		U												
LEAD	0.04 MG/L		U												
MERCURY	0.00 MG/L		U												
SELENIUM	0.15 MG/L		-												
SILVER	0.02 MG/L		-												
PESTICIDES															
ALPHA-CHLORDANE	1.00 UG/L		U												
CHLORDANE	2.00 UG/L		U												
ENDRIN	0.20 UG/L		U												
GAMMA-BHC (LINDANE)	0.10 UG/L		U												
GAMMA-CHLORDANE	1.00 UG/L		U												
HEPTACHLOR	0.10 UG/L		U												
HEPTACHLOR EPOXIDE	0.10 UG/L		U												
METHOXYCHLOR	1.00 UG/L		U												
TOXAPHENE	2.00 UG/L		U												

000274

VOLATILES

1,1-DICHLOROETHENE 5.00 UG/L U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	052933			018421			018422			018883			018884		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
1,2-DICHLOROETHANE	5.00 UG/L		U												
2-BUTANONE	10.00 UG/L		U												
BENZENE	5.00 UG/L		U												
CARBON TETRACHLORIDE	5.00 UG/L		U												
CHLOROBENZENE	5.00 UG/L		U												
CHLOROFORM	5.00 UG/L		U												
TETRACHLOROETHENE	40.00 UG/L		-												
TRICHLOROETHENE	3.00 UG/L		J												
VINYL CHLORIDE	10.00 UG/L		U												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	053473	053474	019039	019345	019346
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1288	1288	1294	1308	1308
DEPTH:	0-.5	.5-1	2-3	0-.5	.5-1
DATE COLLECTED:	18-JUN-89	18-JUN-89	25-JUL-89	04-DEC-89	04-DEC-89
NORTH COORDINATE:	481643.94	481643.94	481401.55	480996.29	480996.29
EAST COORDINATE:	1381188.45	1381188.45	1381678.97	1381154.48	1381154.48
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV	13.00 %		NV	0.00 % MOISTURE		NV	7.00 % MOISTURE		NV	4.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	019525	054053	054054	054193	019763
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1316	1317	1317	1324	1327
DEPTH:	2-2.5	1-1.5	1.5-2	4.5-5	0-.5
DATE COLLECTED:	19-NOV-89	14-NOV-89	14-NOV-89	03-NOV-89	23-OCT-89
NORTH COORDINATE:	480963.42	480947.54	480947.54	480828.51	480751.73
EAST COORDINATE:	1380974.63	1381246.91	1381246.91	1381681.83	1381356.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	10.00 %		NV	10.00 %		NV	10.00 %		NV	14.00 %		NV	7.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	019764			050159			050160			054615			054616		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1327			1345			1345			1346			1346		
DEPTH:	.5-1			1-1.5			1.5-2			1-1.5			1.5-2		
DATE COLLECTED:	23-OCT-89			29-AUG-89			29-AUG-89			07-JAN-90			07-JAN-90		
NORTH COORDINATE:	480751.73			481240.48			481240.48			481245.67			481245.67		
EAST COORDINATE:	1381356.86			1380144.5			1380144.5			1380178.9			1380178.9		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	14.00 %		NV	15.00 %		NV	30.00 %		NV	10.00 %		NV	21.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	050554			050555			054995			054996			055089		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1363			1363			1411			1411			1412		
DEPTH:	0-.5			.5-1			9.5-10			10-10.5			5.5-6		
DATE COLLECTED:	25-JUL-89			25-JUL-89			20-JUN-89			20-JUN-89			30-JUN-89		
NORTH COORDINATE:	481611.99			481611.99			479800.96			479800.96			480702.37		
EAST COORDINATE:	1381150.58			1381150.58			1379914.91			1379914.91			1380398.11		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			DL-NA			DL-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															
% MOISTURE	11.00 %		NV	8.00 % MOISTURE		NV	18.00 %		NV	23.00 %		NV	4.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	047032	055906	055919	055932	055945
TASK:	20.03.04	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1433	1456	1459	1462	1465
DEPTH:	-	3.75-3.75	5-5	4-4	3.5-3.8
DATE COLLECTED:	29-JUL-92	05-NOV-89	06-NOV-89	07-NOV-89	08-NOV-89
NORTH COORDINATE:	477991.53	477940	477905	477867	477709
EAST COORDINATE:	1379116.16	1379479	1379631	1379784	1379566
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	DL-NA	NONE-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															
% MOISTURE				12.00 %		NV	8.00 % MOISTURE		NV	14.00 %		NV	17.00 %		NV
PH	8.10 SU		J												
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U												
2,4-D	10.00 UG/L		U												
INORGANICS															
ARSENIC	0.05 MG/L		U												
BARIUM	0.84 MG/L		-												
CADMIUM	0.01 MG/L		U												
CHROMIUM	0.01 MG/L		U												
LEAD	0.04 MG/L		U												
MERCURY	0.00 MG/L		U												
SELENIUM	0.08 MG/L		U												
SILVER	0.01 MG/L		U												
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U												
ENDRIN	0.10 UG/L		U												
GAMMA-BHC (LINDANE)	0.05 UG/L		U												
GAMMA-CHLORDANE	0.50 UG/L		U												
HEPTACHLOR	0.05 UG/L		U												
HEPTACHLOR EPOXIDE	0.05 UG/L		U												
METHOXYCHLOR	0.50 UG/L		U												
TOXAPHENE	1.00 UG/L		U												

000280

SEMIVOLATILES

1,4-DICHLOROBENZENE 20.00 UG/L U
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	047032			055906			055919			055932			055945		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U												
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U												
2,4-DINITROTOLUENE	20.00 UG/L		U												
2-METHYLPHENOL	20.00 UG/L		U												
4-METHYLPHENOL	20.00 UG/L		U												
HEXACHLOROBENZENE	20.00 UG/L		U												
HEXACHLOROBUTADIENE	20.00 UG/L		U												
HEXACHLOROETHANE	20.00 UG/L		U												
NITROBENZENE	20.00 UG/L		U												
PENTACHLOROPHENOL	100.00 UG/L		U												
PYRIDINE	20.00 UG/L		U												
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U												
1,2-DICHLOROETHANE	5.00 UG/L		U												
2-BUTANONE	10.00 UG/L		U												
BENZENE	5.00 UG/L		U												
CARBON TETRACHLORIDE	5.00 UG/L		U												
CHLOROBENZENE	5.00 UG/L		U												
CHLOROFORM	5.00 UG/L		U												
TETRACHLOROETHENE	5.00 UG/L		U												
TRICHLOROETHENE	5.00 UG/L		U												
VINYL CHLORIDE	10.00 UG/L		U												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	055959			055972			055988			056022			056039		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1468			1471			1474			1481			1482		
DEPTH:	3.75-4			5-5.25			9.9-10			15-15			14-14		
DATE COLLECTED:	14-NOV-89			16-NOV-89			17-NOV-89			20-NOV-89			05-DEC-89		
NORTH COORDINATE:	477633			477395			478370.67			480852.84			480432.95		
EAST COORDINATE:	1379700			1379639			1379255.59			1378343.75			1379047.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	15.00 %		NV	14.00 %		NV	15.00 %		NV	8.00 % MOISTURE		NV	17.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056055	000809	000767	000769	051160
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1485	1502	1503	1504	1508
DEPTH:	15-15	-	-	-	2-2.5
DATE COLLECTED:	07-DEC-89	10-JUL-90	01-JUL-90	12-SEP-90	04-FEB-90
NORTH COORDINATE:	481920.13	480463.56	480350.32	479800.96	482565.57
EAST COORDINATE:	1379767.41	1380433.65	1380265.92	1379908.91	1380840.06
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV										20.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				2.00 UG/L		UR	2.00 UG/L		UJ	2.00 UG/L		UJ			
2,4-D				12.00 UG/L		UR	12.00 UG/L		UJ	13.00 UG/L		UJ			
INORGANICS															
ARSENIC				0.12 MG/L		U	0.10 MG/L		-	0.13 MG/L		U			
BARIUM				0.82 MG/L		-	1.17 MG/L		-	1.54 MG/L		-			
CADMIUM				0.01 MG/L		-	0.01 MG/L		-	0.01 MG/L		-			
CHROMIUM				0.04 MG/L		-	0.07 MG/L		-	0.01 MG/L		U			
LEAD				0.04 MG/L		U	0.04 MG/L		U	0.04 MG/L		U			
MERCURY				0.00 MG/L		U	0.00 MG/L		UJ	0.00 MG/L		U			
SELENIUM				0.08 MG/L		U	0.11 MG/L		-	0.11 MG/L		U			
SILVER				0.02 MG/L		-	0.03 MG/L		-	0.01 MG/L		U			
No sort code listed.															
3-METHYLPHENOL				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
PESTICIDES															
CHLORDANE				1.00 UG/L		UR	0.50 UG/L		UJ	1.00 UG/L		UJ			
ENDRIN				0.20 UG/L		UR	0.10 UG/L		UJ	0.20 UG/L		UJ			
GAMMA-BHC (LINDANE)				0.10 UG/L		UR	0.05 UG/L		UJ	0.10 UG/L		UJ			
HEPTACHLOR				0.10 UG/L		UR	0.05 UG/L		UJ	0.10 UG/L		UJ			
HEPTACHLOR EPOXIDE				0.10 UG/L		UR	0.05 UG/L		UJ	0.10 UG/L		UJ			
METHOXYCHLOR				1.00 UG/L		UR	0.50 UG/L		UJ	1.00 UG/L		UJ			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056055			000809			000767			000769			051160		
LAB:				IT			IT			IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			NONE-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															
TOXAPHENE				2.00 UG/L		UR	1.00 UG/L		UJ	2.00 UG/L		UJ			
SEMIVOLATILES															
1,4-DICHLOROBENZENE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
2,4,5-TRICHLOROPHENOL				54.00 UG/L		UR	52.00 UG/L		UJ	100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
2,4-DINITROTOLUENE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
2-METHYLPHENOL				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
4-METHYLPHENOL				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
HEXACHLOROBENZENE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
HEXACHLOROBUTADIENE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
HEXACHLOROETHANE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
NITROBENZENE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
PENTACHLOROPHENOL				54.00 UG/L		UR	52.00 UG/L		UJ	100.00 UG/L		UJ			
PYRIDINE				11.00 UG/L		UR	10.00 UG/L		UJ	20.00 UG/L		UJ			
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		UJ			
1,2-DICHLOROETHANE										5.00 UG/L		UJ			
2-BUTANONE										10.00 UG/L		UJ			
BENZENE										5.00 UG/L		UJ			
CARBON TETRACHLORIDE										5.00 UG/L		UJ			
CHLOROBENZENE										5.00 UG/L		UJ			
CHLOROFORM										12.00 UG/L		J			
TETRACHLOROETHENE										5.00 UG/L		UJ			
TRICHLOROETHENE										10.00 UG/L		UJ			
VINYL CHLORIDE															

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	051161			054059			054439			051679			053519		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1509			1510			1511			1512			1513		
DEPTH:	2-2.5			2-2.5			2-2.5			2-2.5			2-2.5		
DATE COLLECTED:	04-FEB-90			04-FEB-90			05-FEB-90			06-FEB-90			06-FEB-90		
NORTH COORDINATE:	482519.65			482519.62			482563.57			482541.56			482549.47		
EAST COORDINATE:	1380840.66			1380877.9			1380881.74			1380926.1			1380951.4		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-NA			NONE-NA			NONE-NA			DL-NA			NONE-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															
% MOISTURE	15.00 %		NV	20.00 %		NV	20.00 %		NV	23.00 %		NV	19.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	053782	052259	055699	055658	055617
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1514	1515	1519	1520	1521
DEPTH:	2-2.5	2-2.5	-	-	-
DATE COLLECTED:	06-FEB-90	07-FEB-90	01-JUL-90	01-JUL-90	01-JUL-90
NORTH COORDINATE:	482540.76	482532.1	479415.88	479412.63	479410.73
EAST COORDINATE:	1380973.96	1380949.31	1379823.08	1379852.23	1379883.13
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	20.00 %		NV	22.00 %		NV									
HERBICIDES															
2,4,5-TP (SILVEX)							2.00 UG/L		UJ	2.00 UG/L		UJ	2.00 UG/L		UJ
2,4-D							13.00 UG/L		UJ	12.00 UG/L		UJ	12.00 UG/L		UJ
INORGANICS															
ARSENIC							0.14 MG/L		-	0.11 MG/L		-	0.08 MG/L		-
BARIUM							0.87 MG/L		-	0.61 MG/L		-	1.10 MG/L		-
CADMIUM							0.00 MG/L		-	0.01 MG/L		-	0.00 MG/L		-
CHROMIUM							0.04 MG/L		-	0.05 MG/L		-	0.05 MG/L		-
LEAD							0.04 MG/L		U	0.05 MG/L		-	0.04 MG/L		U
MERCURY							0.00 MG/L		UJ	0.00 MG/L		UJ	0.00 MG/L		UJ
SELENIUM							0.12 MG/L		-	0.13 MG/L		-	0.09 MG/L		-
SILVER							0.02 MG/L		-	0.03 MG/L		-	0.02 MG/L		-
No sort code listed.															
3-METHYLPHENOL							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
PESTICIDES															
CHLORDANE							0.50 UG/L		UJ	0.60 UG/L		UJ	0.50 UG/L		UJ
ENDRIN							0.10 UG/L		UJ	0.10 UG/L		UJ	0.10 UG/L		UJ
GAMMA-BHC (LINDANE)							0.05 UG/L		UJ	0.06 UG/L		UJ	0.05 UG/L		UJ
HEPTACHLOR							0.05 UG/L		UJ	0.06 UG/L		UJ	0.05 UG/L		UJ
HEPTACHLOR EPOXIDE							0.05 UG/L		UJ	0.06 UG/L		UJ	0.05 UG/L		UJ
METHOXYCHLOR							0.50 UG/L		UJ	0.60 UG/L		UJ	0.50 UG/L		UJ

000285

6416

SAMPLE NUMBER:	053782			052259			055699			055658			055617		
LAB:							IT			IT			IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-NA			NONE-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															
TOXAPHENE							1.00 UG/L		UJ	1.00 UG/L		UJ	1.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL							52.00 UG/L		UJ	60.00 UG/L		UJ	56.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
2,4-DINITROTOLUENE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
2-METHYLPHENOL							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
4-METHYLPHENOL							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
HEXACHLOROBENZENE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
HEXACHLOROBUTADIENE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
HEXACHLOROETHANE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
NITROBENZENE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ
PENTACHLOROPHENOL							52.00 UG/L		UJ	60.00 UG/L		UJ	56.00 UG/L		UJ
PYRIDINE							10.00 UG/L		UJ	12.00 UG/L		UJ	11.00 UG/L		UJ

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056375	056376	056095	000840	056368
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1522	1523	1562	1563	1563
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-SEP-90	05-SEP-90	09-AUG-90	25-AUG-91	30-NOV-90
NORTH COORDINATE:	479411.87	479406.88	480843.21	480839.67	480839.67
EAST COORDINATE:	1379913.73	1379945.37	1381684.8	1381720.59	1381720.59
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
HERBICIDES															
2,4,5-TP (SILVEX)	2.00 UG/L		U	2.00 UG/L		U	2.00 UG/L		UJ	17.00 UG/L		U	1.70 UG/L		U
2,4-D	13.00 UG/L		U	12.00 UG/L		U	12.00 UG/L		UJ	120.00 UG/L		U	12.00 UG/L		U
INORGANICS															
ARSENIC							0.12 MG/L		U	0.05 MG/L		U	0.26 MG/L		U
BARIUM							1.62 MG/L		-	6.40 MG/L		U	1.04 MG/L		U
CADMIUM							0.01 MG/L		-	0.00 MG/L		U	0.01 MG/L		-
CHROMIUM							0.09 MG/L		-	0.01 MG/L		U	0.08 MG/L		-
LEAD							0.04 MG/L		UJ	0.04 MG/L		U	0.20 MG/L		U
MERCURY							0.00 MG/L		U	0.00 MG/L		UJ	0.00 MG/L		U
SELENIUM							0.13 MG/L		-	0.07 MG/L		U	0.40 MG/L		U
SILVER							0.09 MG/L		-	0.00 MG/L		U	0.14 MG/L		-
No sort code listed.															
3-METHYLPHENOL	10.00 UG/L		U	10.00 UG/L		U	16.00 UG/L		UJ						
PESTICIDES															
ALPHA-CHLORDANE													0.50 UG/L		U
CHLORDANE	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		UJ	0.70 UG/L		U	1.00 UG/L		U
ENDRIN	0.10 UG/L		U	0.10 UG/L		U	0.10 UG/L		UJ	0.30 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ	0.20 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE													0.50 UG/L		U
HEPTACHLOR	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ	0.15 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ	4.20 UG/L		U	0.05 UG/L		U
METHOXYCHLOR	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		UJ	8.80 UG/L		U	0.50 UG/L		U
TOXAPHENE	1.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		UJ	12.00 UG/L		U	1.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056337	056130	056102	056104	056106
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1563	1565	1565	1565	1565
DEPTH:	1-1.5	-	2-2.5	3-3.5	4-4.5
DATE COLLECTED:	29-NOV-90	14-AUG-90	14-AUG-90	14-AUG-90	14-AUG-90
NORTH COORDINATE:	480839.67	480814.02	480814.02	480814.02	480814.02
EAST COORDINATE:	1381720.59	1381680.72	1381680.72	1381680.72	1381680.72
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-NA	NONE-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV				12.00 %		NV	11.00 %		NV	12.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				2.00 UG/L		UR									
2,4-D				13.00 UG/L		UR									
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				1.57 MG/L		-									
CADMIUM				0.01 MG/L		-									
CHROMIUM				0.12 MG/L		-									
LEAD				0.20 MG/L		UJ									
MERCURY				0.00 MG/L		U									
SELENIUM				0.40 MG/L		U									
SILVER				0.10 MG/L		-									
No sort code listed.															
3-METHYLPHENOL				10.00 UG/L		UR									
PESTICIDES															
CHLORDANE				0.50 UG/L		UR									
ENDRIN				0.10 UG/L		UR									
GAMMA-BHC (LINDANE)				0.05 UG/L		UR									
HEPTACHLOR				0.05 UG/L		UR									
HEPTACHLOR EPOXIDE				0.05 UG/L		UR									
METHOXYCHLOR				0.50 UG/L		UR									

SAMPLE NUMBER:	056337			056130			056102			056104			056106		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
TOXAPHENE				1.00 UG/L		UR									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				10.00 UG/L		UR									
2,4,5-TRICHLOROPHENOL				52.00 UG/L		UR									
2,4,6-TRICHLOROPHENOL				10.00 UG/L		UR									
2,4-DINITROTOLUENE				10.00 UG/L		UR									
2-METHYLPHENOL				10.00 UG/L		UR									
4-METHYLPHENOL				10.00 UG/L		UR									
HEXACHLOROBENZENE				10.00 UG/L		UR									
HEXACHLOROBUTADIENE				10.00 UG/L		UR									
HEXACHLOROETHANE				10.00 UG/L		UR									
NITROBENZENE				10.00 UG/L		UR									
PENTACHLOROPHENOL				52.00 UG/L		UR									
PYRIDINE				10.00 UG/L		UR									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056109	056119	056129	056327	056287
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1565	1565	1565	1566	1567
DEPTH:	5.5-6	10.5-11	15.5-16	-	-
DATE COLLECTED:	14-AUG-90	14-AUG-90	14-AUG-90	28-AUG-90	24-AUG-90
NORTH COORDINATE:	480814.02	480814.02	480814.02	480809.09	480811.85
EAST COORDINATE:	1381680.72	1381680.72	1381680.72	1381719.24	1381737.24
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV	10.00 %		NV	11.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										2.00 UG/L		UJ	2.00 UG/L		UNV
2,4-D										12.00 UG/L		UJ	12.00 UG/L		UNV
INORGANICS															
ARSENIC										0.25 MG/L		U	0.25 MG/L		U
BARIUM										0.90 MG/L		-	1.08 MG/L		-
CADMIUM										0.01 MG/L		U	0.01 MG/L		U
CHROMIUM										0.13 MG/L		-	0.12 MG/L		-
LEAD										0.20 MG/L		J	0.20 MG/L		UJ
MERCURY										0.00 MG/L		U	0.00 MG/L		UJ
SELENIUM										0.40 MG/L		U	0.40 MG/L		U
SILVER										0.09 MG/L		-	0.09 MG/L		-
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		UJ			
PESTICIDES															
4,4'-DDD										0.10 UG/L		UJ			
4,4'-DDE										0.10 UG/L		UJ			
4,4'-DDT										0.10 UG/L		UJ			
ALDRIN										0.05 UG/L		UJ			
ALPHA-BHC										0.05 UG/L		UJ			
ALPHA-CHLORDANE										0.50 UG/L		UJ			

SAMPLE NUMBER:	056109			056119			056129			056327			056287		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
AROCLOR-1016										0.50 UG/L		UJ			
AROCLOR-1221										0.50 UG/L		UJ			
AROCLOR-1232										0.50 UG/L		UJ			
AROCLOR-1242										0.50 UG/L		UJ			
AROCLOR-1248										0.50 UG/L		UJ			
AROCLOR-1254										1.00 UG/L		UJ			
AROCLOR-1260										1.00 UG/L		UJ			
BETA-BHC										0.05 UG/L		UJ			
CHLORDANE										0.00 UG/L		UJ	0.00 UG/L		UJ
DELTA-BHC										0.05 UG/L		UJ			
DIELDRIN										0.10 UG/L		UJ			
ENDOSULFAN II										0.10 UG/L		UJ			
ENDOSULFAN SULFATE										0.10 UG/L		UJ			
ENDOSULFAN-I										0.05 UG/L		UJ			
ENDRIN										0.00 UG/L		UJ	0.00 UG/L		UJ
ENDRIN KETONE										0.10 UG/L		UJ			
GAMMA-BHC (LINDANE)										0.00 UG/L		UJ	0.00 UG/L		UJ
GAMMA-CHLORDANE										0.50 UG/L		UJ			
HEPTACHLOR										0.00 UG/L		UJ	0.00 UG/L		UJ
HEPTACHLOR EPOXIDE										0.00 UG/L		UJ	0.00 UG/L		UJ
METHOXYCHLOR										0.00 UG/L		UJ	0.00 UG/L		UJ
TOXAPHENE										0.00 UG/L		UJ	0.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		UJ	20.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UJ	100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UJ	20.00 UG/L		UJ
2,4-DINITROTOLUENE										20.00 UG/L		UJ	20.00 UG/L		UJ
2-METHYLPHENOL										20.00 UG/L		UJ			
4-METHYLPHENOL										20.00 UG/L		UJ			
HEXACHLOROBENZENE										20.00 UG/L		UJ	20.00 UG/L		UJ
HEXACHLOROBUTADIENE										20.00 UG/L		UJ	20.00 UG/L		UJ
HEXACHLOROETHANE										20.00 UG/L		UJ	20.00 UG/L		UJ
NITROBENZENE										20.00 UG/L		UJ	20.00 UG/L		UJ
PENTACHLOROPHENOL										100.00 UG/L		UJ	100.00 UG/L		UJ
PYRIDINE										20.00 UG/L		UJ	20.00 UG/L		UJ
TOTAL METHYLPHENOL													20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U	0.01 UG/L		U
1,2-DICHLOROETHANE										5.00 UG/L		U	0.01 UG/L		U
2-BUTANONE										5.00 UG/L		U	0.00 UG/L		U
BENZENE										5.00 UG/L		U	0.01 UG/L		U

000591

64116

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056109			056119			056129			056327			056287		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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)
VOLATILES															
CARBON TETRACHLORIDE										5.00 UG/L		U	0.01 UG/L		U
CHLOROBENZENE										5.00 UG/L		U	0.01 UG/L		U
CHLOROFORM										5.00 UG/L		U	0.01 UG/L		U
TETRACHLOROETHENE										5.00 UG/L		U	0.01 UG/L		U
TRICHLOROETHENE										5.00 UG/L		U	0.01 UG/L		U
VINYL CHLORIDE										10.00 UG/L		U	0.01 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056170			056141			056143			056145			056149		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1568			1568			1568			1568			1568		
DEPTH:	-			1.5-2			2.5-3			3.5-4			5.5-6		
DATE COLLECTED:	15-AUG-90			15-AUG-90			15-AUG-90			15-AUG-90			15-AUG-90		
NORTH COORDINATE:	480784.16			480784.16			480784.16			480784.16			480784.16		
EAST COORDINATE:	1381679.81			1381679.81			1381679.81			1381679.81			1381679.81		
QA TYPE:	DRILL CUTTINGS			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE				13.00 %		NV	13.00 %		NV	11.00 %		NV	10.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	2.00 UG/L		UR												
2,4-D	12.00 UG/L		UR												
INORGANICS															
ARSENIC	0.25 MG/L		U												
BARIUM	1.42 MG/L		-												
CADMIUM	0.01 MG/L		U												
CHROMIUM	0.11 MG/L		-												
LEAD	0.20 MG/L		UJ												
MERCURY	0.00 MG/L		U												
SELENIUM	0.40 MG/L		U												
SILVER	0.09 MG/L		-												
No sort code listed.															
3-METHYLPHENOL	10.00 UG/L		UR												
PESTICIDES															
CHLORDANE	0.50 UG/L		UR												
ENDRIN	0.10 UG/L		UR												
GAMMA-BHC (LINDANE)	0.05 UG/L		UR												
HEPTACHLOR	0.05 UG/L		UR												
HEPTACHLOR EPOXIDE	0.05 UG/L		UR												
METHOXYCHLOR	0.50 UG/L		UR												

SAMPLE NUMBER:	056170			056141			056143			056145			056149		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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															
TOXAPHENE	1.00 UG/L		UR												
SEMIVOLATILES															
1,4-DICHLOROBENZENE	10.00 UG/L		UR												
2,4,5-TRICHLOROPHENOL	52.00 UG/L		UR												
2,4,6-TRICHLOROPHENOL	10.00 UG/L		UR												
2,4-DINITROTOLUENE	10.00 UG/L		UR												
2-METHYLPHENOL	10.00 UG/L		UR												
4-METHYLPHENOL	10.00 UG/L		UR												
HEXACHLOROBENZENE	10.00 UG/L		UR												
HEXACHLOROBUTADIENE	10.00 UG/L		UR												
HEXACHLOROETHANE	10.00 UG/L		UR												
NITROBENZENE	10.00 UG/L		UR												
PENTACHLOROPHENOL	52.00 UG/L		UR												
PYRIDINE	10.00 UG/L		UR												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056159	056169	056208	056179	056181
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT/MWL	IT	IT
WELL OR BORING NUMBER:	1568	1568	1569	1569	1569
DEPTH:	10.5-11	15.5-16	-	1.5-2	2.5-3
DATE COLLECTED:	15-AUG-90	15-AUG-90	22-AUG-90	21-AUG-90	21-AUG-90
NORTH COORDINATE:	480784.16	480784.16	480785.94	480785.94	480785.94
EAST COORDINATE:	1381679.81	1381679.81	1381721.18	1381721.18	1381721.18
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	12.00 %		NV				24.00 %		NV	11.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)							2.00 UG/L		UJ						
2,4-D							13.00 UG/L		UJ						
INORGANICS															
ARSENIC							0.17 MG/L		UJ						
BARIUM							1.43 MG/L		J						
CADMIUM							0.01 MG/L		J						
CHROMIUM							0.11 MG/L		J						
LEAD							0.08 MG/L		UJ						
MERCURY							0.00 MG/L		U						
SELENIUM							0.16 MG/L		UJ						
SILVER							0.10 MG/L		J						
No sort code listed.															
3-METHYLPHENOL							11.00 UG/L		UJ						
PESTICIDES															
4,4'-DDD							110.00 UG/L		U						
4,4'-DDE							110.00 UG/L		U						
4,4'-DDT							110.00 UG/L		U						
ALDRIN							54.00 UG/L		U						
ALPHA-BHC							54.00 UG/L		U						
ALPHA-CHLORDANE							540.00 UG/L		U						

SAMPLE NUMBER:	056159			056169			056208			056179			056181		
LAB:							IT/MWL								
SUFFIX/FILTERFLAG:	-			-			NONE-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															
AROCLOR-1016							540.00 UG/L		U						
AROCLOR-1221							540.00 UG/L		U						
AROCLOR-1232							540.00 UG/L		U						
AROCLOR-1242							540.00 UG/L		U						
AROCLOR-1248							540.00 UG/L		U						
AROCLOR-1254							1100.00 UG/L		U						
AROCLOR-1260							1100.00 UG/L		U						
BETA-BHC							54.00 UG/L		U						
CHLORDANE							0.50 UG/L		UJ						
DELTA-BHC							54.00 UG/L		U						
DIELDRIN							110.00 UG/L		U						
ENDOSULFAN II							110.00 UG/L		U						
ENDOSULFAN SULFATE							110.00 UG/L		U						
ENDOSULFAN-I							54.00 UG/L		U						
ENDRIN							0.10 UG/L		UJ						
ENDRIN KETONE							110.00 UG/L		U						
GAMMA-BHC (LINDANE)							0.05 UG/L		UJ						
GAMMA-CHLORDANE							540.00 UG/L		U						
HEPTACHLOR							0.05 UG/L		UJ						
HEPTACHLOR EPOXIDE							0.05 UG/L		UJ						
METHOXYCHLOR							0.50 UG/L		UJ						
TOXAPHENE							1.00 UG/L		UJ						
SEMIVOLATILES															
1,4-DICHLOROBENZENE							11.00 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							53.00 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							11.00 UG/L		UJ						
2,4-DINITROTOLUENE							11.00 UG/L		UJ						
2-METHYLPHENOL							11.00 UG/L		UJ						
4-METHYLPHENOL							11.00 UG/L		UJ						
HEXACHLOROBENZENE							11.00 UG/L		UJ						
HEXACHLOROBUTADIENE							11.00 UG/L		UJ						
HEXACHLOROETHANE							11.00 UG/L		UJ						
NITROBENZENE							11.00 UG/L		UJ						
PENTACHLOROPHENOL							53.00 UG/L		UJ						
PYRIDINE							11.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056183	056187	056197	056207	056248
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1569	1569	1569	1569	1570
DEPTH:	3.5-4	5.5-6	10.5-11	15.5-16	-
DATE COLLECTED:	21-AUG-90	21-AUG-90	22-AUG-90	22-AUG-90	23-AUG-90
NORTH COORDINATE:	480785.94	480785.94	480785.94	480785.94	480782.58
EAST COORDINATE:	1381721.18	1381721.18	1381721.18	1381721.18	1381731.98
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	15.00 %		NV	13.00 %		NV	11.00 %		NV			
HERBICIDES															
2,4,5-TP (SILVEX)													2.00 UG/L		UJ
2,4-D													13.00 UG/L		UJ
No sort code listed.															
3-METHYLPHENOL													10.00 UG/L		UJ
PESTICIDES															
CHLORDANE													0.00 UG/L		UJ
ENDRIN													0.00 UG/L		UJ
GAMMA-BHC (LINDANE)													0.00 UG/L		UJ
HEPTACHLOR													0.00 UG/L		UJ
HEPTACHLOR EPOXIDE													0.00 UG/L		UJ
METHOXYCHLOR													0.00 UG/L		UJ
TOXAPHENE													0.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE													10.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL													52.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL													10.00 UG/L		UJ
2,4-DINITROTOLUENE													10.00 UG/L		UJ
2-METHYLPHENOL													10.00 UG/L		UJ
4-METHYLPHENOL													10.00 UG/L		UJ
HEXACHLOROBENZENE													10.00 UG/L		UJ

000297

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SAMPLE NUMBER:	056183			056187			056197			056207			056248		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
HEXACHLOROBUTADIENE													10.00 UG/L		UJ
HEXACHLOROETHANE													10.00 UG/L		UJ
NITROBENZENE													10.00 UG/L		UJ
PENTACHLOROPHENOL													52.00 UG/L		UJ
PYRIDINE													10.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE													6.00 UG/L		U
1,2-DICHLOROETHANE													6.00 UG/L		U
2-BUTANONE													10.00 UG/L		U
BENZENE													6.00 UG/L		U
CARBON TETRACHLORIDE													6.00 UG/L		U
CHLOROBENZENE													6.00 UG/L		U
CHLOROFORM													6.00 UG/L		U
TETRACHLOROETHENE													6.00 UG/L		U
TRICHLOROETHENE													6.00 UG/L		U
VINYL CHLORIDE													11.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056219			056221			056223			056227			056237		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1570			1570			1570			1570			1570		
DEPTH:	1.5-2			2.5-3			3.5-4			5.5-6			10.5-11		
DATE COLLECTED:	23-AUG-90			23-AUG-90			23-AUG-90			23-AUG-90			23-AUG-90		
NORTH COORDINATE:	480782.58			480782.58			480782.58			480782.58			480782.58		
EAST COORDINATE:	1381731.98			1381731.98			1381731.98			1381731.98			1381731.98		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	12.00 %		NV	14.00 %		NV	11.00 %		NV	9.00 % MOISTURE		NV	12.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056247	056878	056881	056885	056905
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1570	1571	1571	1571	1573
DEPTH:	15.5-16	.5-1	2-2.5	4-4.5	.5-1
DATE COLLECTED:	23-AUG-90	18-OCT-90	23-OCT-90	23-OCT-90	31-OCT-90
NORTH COORDINATE:	480782.58	481677.51	481677.51	481677.51	481591.63
EAST COORDINATE:	1381731.98	1380995.47	1380995.47	1380995.47	1380986.56
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	14.00 %		NV	20.00 %		NV	13.00 %		NV	10.00 %		NV	19.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056908	056971	056974	056977	056887
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1573	1574	1574	1574	1575
DEPTH:	2-2.5	.5-1	2-2.5	3.5-4	.5-1
DATE COLLECTED:	01-NOV-90	04-NOV-90	04-NOV-90	04-NOV-90	23-OCT-90
NORTH COORDINATE:	481591.63	481665.79	481665.79	481665.79	481611.48
EAST COORDINATE:	1380986.56	1381163.33	1381163.33	1381163.33	1381201.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE	20.00 %		NV	12.00 %		NV	18.00 %		NV	20.00 %		NV	20.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056890			056894			056982			056985			056989		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1575			1575			1576			1576			1576		
DEPTH:	2-2.5			4-4.5			.5-1			2-2.5			4-4.5		
DATE COLLECTED:	24-OCT-90			24-OCT-90			04-NOV-90			04-NOV-90			04-NOV-90		
NORTH COORDINATE:	481611.48			481611.48			481558.31			481558.31			481558.31		
EAST COORDINATE:	1381201.6			1381201.6			1381149.98			1381149.98			1381149.98		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	19.00 %		NV	13.00 %		NV	11.00 %		NV	19.00 %		NV	12.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056932			056935			056939			056941			056944		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1577			1577			1577			1578			1578		
DEPTH:	.5-1			2-2.5			4-4.5			.5-1			2-2.5		
DATE COLLECTED:	06-NOV-90			06-NOV-90			06-NOV-90			06-NOV-90			06-NOV-90		
NORTH COORDINATE:	481607.16			481607.16			481607.16			481676.05			481676.05		
EAST COORDINATE:	1381052.08			1381052.08			1381052.08			1381044.93			1381044.93		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-NA			NONE-NA			NONE-NA			DL-NA			DL-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															
% MOISTURE	18.00 %		NV	20.00 %		NV	25.00 %		NV	13.00 %		NV	21.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056948	056992	056960	056963	056967
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1578	1580	1580	1580	1580
DEPTH:	4-4.5	-	.5-1	2-2.5	4-4.5
DATE COLLECTED:	06-NOV-90	07-NOV-90	07-NOV-90	07-NOV-90	07-NOV-90
NORTH COORDINATE:	481676.05	481676	481676	481676	481676
EAST COORDINATE:	1381044.93	1381101.87	1381101.87	1381101.87	1381101.87
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	18.00 %		NV				13.00 %		NV	1.00 % MOISTURE		NV	19.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U									
2,4-D				12.00 UG/L		U									
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				0.69 MG/L		-									
CADMIUM				0.01 MG/L		-									
CHROMIUM				0.16 MG/L		-									
LEAD				0.20 MG/L		U									
MERCURY				0.00 MG/L		U									
SELENIUM				0.40 MG/L		U									
SILVER				0.16 MG/L		-									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U									
CHLORDANE				1.00 UG/L		U									
ENDRIN				0.10 UG/L		U									
GAMMA-BHC (LINDANE)				0.05 UG/L		U									
GAMMA-CHLORDANE				0.50 UG/L		U									
HEPTACHLOR				0.05 UG/L		U									
HEPTACHLOR EPOXIDE				0.05 UG/L		U									
METHOXYCHLOR				0.50 UG/L		U									
TOXAPHENE				1.00 UG/L		U									

VOLATILES

1,1-DICHLOROETHENE				5.00 UG/L		U									

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	056948			056992			056960			056963			056967		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
1,2-DICHLOROETHANE				5.00 UG/L		U									
2-BUTANONE				10.00 UG/L		U									
BENZENE				5.00 UG/L		U									
CARBON TETRACHLORIDE				5.00 UG/L		U									
CHLOROBENZENE				5.00 UG/L		U									
CHLOROFORM				5.00 UG/L		U									
TETRACHLOROETHENE				6.00 UG/L		-									
TRICHLOROETHENE				5.00 UG/L		U									
VINYL CHLORIDE				10.00 UG/L		U									

000305

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	000830	056503	056484	056487	056491
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT-KNOX	IT	IT	IT
WELL OR BORING NUMBER:	1581	1581	1581	1581	1581
DEPTH:	-	-	.5-1	2-2.5	4-4.5
DATE COLLECTED:	25-AUG-91	03-OCT-90	27-SEP-90	02-OCT-90	02-OCT-90
NORTH COORDINATE:	481109.84	481109.84	481109.84	481109.84	481109.84
EAST COORDINATE:	1380971.81	1380971.81	1380971.81	1380971.81	1380971.81
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	DL-NA	NONE-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															
% MOISTURE							13.00 %		NV	14.00 %		NV	12.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	17.00 UG/L		U	1.80 UG/L		U									
2,4-D	120.00 UG/L		U	12.00 UG/L		U									
INORGANICS															
ARSENIC	0.05 MG/L		U	0.10 MG/L		U									
BARIUM	1.26 MG/L		U	0.65 MG/L		-									
CADMIUM	0.00 MG/L		U	0.01 MG/L		-									
CHROMIUM	0.00 MG/L		U	0.02 MG/L		U									
LEAD	0.04 MG/L		U	0.08 MG/L		U									
MERCURY	0.00 MG/L		UJ	0.00 MG/L		U									
SELENIUM	0.07 MG/L		U	0.08 MG/L		U									
SILVER	0.00 MG/L		U	0.02 MG/L		U									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U									
CHLORDANE	0.70 UG/L		U	1.00 UG/L		U									
ENDRIN	0.30 UG/L		U	0.10 UG/L		U									
GAMMA-BHC (LINDANE)	0.20 UG/L		U	0.05 UG/L		U									
GAMMA-CHLORDANE				0.50 UG/L		U									
HEPTACHLOR	0.15 UG/L		U	0.05 UG/L		U									
HEPTACHLOR EPOXIDE	4.20 UG/L		U	0.05 UG/L		U									
METHOXYCHLOR	8.80 UG/L		U	0.50 UG/L		U									
TOXAPHENE	12.00 UG/L		U	1.00 UG/L		U									

SEMIVOLATILES

1,4-DICHLOROBENZENE 40.00 UG/L U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	000830			056503			056484			056487			056491		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	40.00 UG/L		U												
2,4,6-TRICHLOROPHENOL	40.00 UG/L		U												
2,4-DINITROTOLUENE	40.00 UG/L		U												
2-METHYLPHENOL	40.00 UG/L		U												
4-METHYLPHENOL	40.00 UG/L		U												
HEXACHLOROBENZENE	40.00 UG/L		U												
HEXACHLOROBUTADIENE	40.00 UG/L		U												
HEXACHLOROETHANE	40.00 UG/L		U												
NITROBENZENE	40.00 UG/L		U												
PENTACHLOROPHENOL	200.00 UG/L		U												
PYRIDINE	400.00 UG/L		U												
VOLATILES															
1,1-DICHLOROETHENE	50.00 UG/L		U	5.00 UG/L		UJ									
1,2-DICHLOROETHANE	50.00 UG/L		U	5.00 UG/L		UJ									
2-BUTANONE	100.00 UG/L		U	10.00 UG/L		U									
BENZENE	20.00 UG/L		U	5.00 UG/L		UJ									
CARBON TETRACHLORIDE	50.00 UG/L		U	5.00 UG/L		UJ									
CHLOROBENZENE	50.00 UG/L		U	5.00 UG/L		UJ									
CHLOROFORM	50.00 UG/L		U	5.00 UG/L		UJ									
TETRACHLOROETHENE	50.00 UG/L		U	5.00 UG/L		UJ									
TRICHLOROETHENE	50.00 UG/L		U	5.00 UG/L		UJ									
VINYL CHLORIDE	100.00 UG/L		U	10.00 UG/L		UJ									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056502	056525	056506	056509	056513
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT-KNOX	IT	IT	IT
WELL OR BORING NUMBER:	1581	1582	1582	1582	1582
DEPTH:	9.5-10	-	.5-1	2-2.5	4-4.5
DATE COLLECTED:	02-OCT-90	03-OCT-90	03-OCT-90	03-OCT-90	03-OCT-90
NORTH COORDINATE:	481109.84	481107.89	481107.89	481107.89	481107.89
EAST COORDINATE:	1380971.81	1381010.09	1381010.09	1381010.09	1381010.09
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	11.00 %		NV				7.00 % MOISTURE		NV	4.00 % MOISTURE		NV	11.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				1.90 UG/L		UJ									
2,4-D				13.00 UG/L		UJ									
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				0.53 MG/L		-									
CADMIUM				0.01 MG/L		-									
CHROMIUM				0.10 MG/L		-									
LEAD				0.20 MG/L		UJ									
MERCURY				0.00 MG/L		UJ									
SELENIUM				0.18 MG/L		-									
SILVER				0.07 MG/L		-									
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		UJ									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		UJ									
CHLORDANE				1.00 UG/L		UJ									
ENDRIN				0.10 UG/L		UJ									
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ									
GAMMA-CHLORDANE				0.50 UG/L		UJ									
HEPTACHLOR				0.05 UG/L		UJ									

SAMPLE NUMBER:	056502			056525			056506			056509			056513		
LAB:				IT-KNOX											
SUFFIX/FILTERFLAG:	-			NONE-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															
HEPTACHLOR EPOXIDE				0.05 UG/L		UJ									
METHOXYCHLOR				0.50 UG/L		UJ									
TOXAPHENE				1.00 UG/L		UJ									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		UJ									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		UJ									
2,4-DINITROTOLUENE				20.00 UG/L		UJ									
2-METHYLPHENOL				20.00 UG/L		UJ									
4-METHYLPHENOL				20.00 UG/L		UJ									
HEXACHLOROBENZENE				20.00 UG/L		UJ									
HEXACHLOROBUTADIENE				20.00 UG/L		UJ									
HEXACHLOROETHANE				20.00 UG/L		UJ									
NITROBENZENE				20.00 UG/L		UJ									
PENTACHLOROPHENOL				100.00 UG/L		UJ									
PYRIDINE				20.00 UG/L		UJ									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056524	000831	056570	056551	056554
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	1582	1583	1583	1583	1583
DEPTH:	9.5-10	-	-	.5-1	2-2.5
DATE COLLECTED:	03-OCT-90	25-AUG-91	02-OCT-90	27-SEP-90	02-OCT-90
NORTH COORDINATE:	481107.89	481108.71	481108.71	481108.71	481108.71
EAST COORDINATE:	1381010.09	1381049.62	1381049.62	1381049.62	1381049.62
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	12.00 %		NV							8.00 % MOISTURE		NV	5.00 % MOISTURE		NV
HERBICIDES															
2,4,5-TP (SILVEX)				17.00 UG/L		U	1.80 UG/L		U						
2,4-D				120.00 UG/L		U	13.00 UG/L		U						
INORGANICS															
ARSENIC				0.05 MG/L		U	0.15 MG/L		U						
BARIUM				0.62 MG/L		U	0.70 MG/L		-						
CADMIUM				0.00 MG/L		U	0.01 MG/L		-						
CHROMIUM				0.00 MG/L		U	0.02 MG/L		U						
LEAD				0.04 MG/L		U	0.08 MG/L		U						
MERCURY				0.00 MG/L		UJ	0.00 MG/L		U						
SELENIUM				0.07 MG/L		U	0.15 MG/L		U						
SILVER				0.00 MG/L		U	0.02 MG/L		U						
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		U						
CHLORDANE				0.70 UG/L		U	1.00 UG/L		U						
ENDRIN				0.30 UG/L		U	0.10 UG/L		U						
GAMMA-BHC (LINDANE)				0.20 UG/L		U	0.05 UG/L		U						
GAMMA-CHLORDANE							0.50 UG/L		U						
HEPTACHLOR				0.15 UG/L		U	0.05 UG/L		U						
HEPTACHLOR EPOXIDE				4.20 UG/L		U	0.05 UG/L		U						
METHOXYCHLOR				8.80 UG/L		U	0.50 UG/L		U						
TOXAPHENE				12.00 UG/L		U	1.00 UG/L		U						

SEMIVOLATILES

1,4-DICHLOROBENZENE 40.00 UG/L U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056524			000831			056570			056551			056554		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL				40.00 UG/L		U									
2,4,6-TRICHLOROPHENOL				40.00 UG/L		U									
2,4-DINITROTOLUENE				40.00 UG/L		U									
2-METHYLPHENOL				40.00 UG/L		U									
4-METHYLPHENOL				40.00 UG/L		U									
HEXACHLOROBENZENE				40.00 UG/L		U									
HEXACHLOROBUTADIENE				40.00 UG/L		U									
HEXACHLOROETHANE				40.00 UG/L		U									
NITROBENZENE				40.00 UG/L		U									
PENTACHLOROPHENOL				200.00 UG/L		U									
PYRIDINE				400.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		UJ						
1,2-DICHLOROETHANE				50.00 UG/L		U	5.00 UG/L		UJ						
2-BUTANONE				100.00 UG/L		U	10.00 UG/L		UJ						
BENZENE				50.00 UG/L		U	5.00 UG/L		UJ						
CARBON TETRACHLORIDE				50.00 UG/L		U	5.00 UG/L		UJ						
CHLOROBENZENE				50.00 UG/L		U	5.00 UG/L		UJ						
CHLOROFORM				50.00 UG/L		U	5.00 UG/L		UJ						
TETRACHLOROETHENE				50.00 UG/L		U	5.00 UG/L		UJ						
TRICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		UJ						
VINYL CHLORIDE				100.00 UG/L		U	10.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056558	056569	056592	056573	056576
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1583	1583	1584	1584	1584
DEPTH:	4-4.5	9.5-10	-	.5-1	2-2.5
DATE COLLECTED:	02-OCT-90	02-OCT-90	25-SEP-90	24-SEP-90	24-SEP-90
NORTH COORDINATE:	481108.71	481108.71	481106.15	481106.15	481106.15
EAST COORDINATE:	1381049.62	1381049.62	1381080.47	1381080.47	1381080.47
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-NA	NONE-NA	NONE-NA	DL-NA	DL-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															
% MOISTURE	6.00 % MOISTURE		NV	13.00 %		NV				22.00 %		NV	8.00 % MOISTURE		NV
HERBICIDES															
2,4,5-TP (SILVEX)							1.80 UG/L		UJ						
2,4-D							12.00 UG/L		UJ						
INORGANICS															
ARSENIC							0.25 MG/L		UJ						
BARIUM							0.96 MG/L		J						
CADMIUM							0.01 MG/L		J						
CHROMIUM							0.12 MG/L		J						
LEAD							0.20 MG/L		UJ						
MERCURY							0.00 MG/L		U						
SELENIUM							0.14 MG/L		U						
SILVER							0.09 MG/L		J						
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		UJ						
PESTICIDES															
4,4'-DDD							0.10 UG/L		UJ						
4,4'-DDE							0.10 UG/L		UJ						
4,4'-DDT							0.10 UG/L		UJ						
ALDRIN							0.05 UG/L		UJ						
ALPHA-BHC							0.05 UG/L		UJ						
ALPHA-CHLORDANE							0.50 UG/L		UJ						

SAMPLE NUMBER:	056558			056569			056592			056573			056576		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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															
AROCLOR-1016							0.50 UG/L		UJ						
AROCLOR-1221							0.50 UG/L		UJ						
AROCLOR-1232							0.50 UG/L		UJ						
AROCLOR-1242							0.50 UG/L		UJ						
AROCLOR-1248							0.50 UG/L		UJ						
AROCLOR-1254							1.00 UG/L		UJ						
AROCLOR-1260							1.00 UG/L		UJ						
BETA-BHC							0.05 UG/L		UJ						
CHLORDANE							1.00 UG/L		UJ						
DELTA-BHC							0.05 UG/L		UJ						
DIELDRIN							0.10 UG/L		UJ						
ENDOSULFAN II							0.10 UG/L		UJ						
ENDOSULFAN SULFATE							0.10 UG/L		UJ						
ENDOSULFAN-I							0.05 UG/L		UJ						
ENDRIN							0.10 UG/L		UJ						
ENDRIN KETONE							0.10 UG/L		UJ						
GAMMA-BHC (LINDANE)							0.05 UG/L		UJ						
GAMMA-CHLORDANE							0.50 UG/L		UJ						
HEPTACHLOR							0.05 UG/L		UJ						
HEPTACHLOR EPOXIDE							0.05 UG/L		UJ						
METHOXYCHLOR							0.50 UG/L		UJ						
TOXAPHENE							1.00 UG/L		UJ						
SEMIVOLATILES															
1,4-DICHLOROBENZENE							20.00 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							100.00 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							20.00 UG/L		UJ						
2,4-DINITROTOLUENE							20.00 UG/L		UJ						
2-METHYLPHENOL							20.00 UG/L		UJ						
4-METHYLPHENOL							20.00 UG/L		UJ						
HEXACHLOROBENZENE							20.00 UG/L		UJ						
HEXACHLOROBUTADIENE							20.00 UG/L		UJ						
HEXACHLOROETHANE							20.00 UG/L		UJ						
NITROBENZENE							20.00 UG/L		UJ						
PENTACHLOROPHENOL							100.00 UG/L		UJ						
PYRIDINE							20.00 UG/L		UJ						
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		UJ						
1,2-DICHLOROETHANE							5.00 UG/L		UJ						
2-BUTANONE							10.00 UG/L		UJ						
BENZENE							5.00 UG/L		UJ						
CARBON TETRACHLORIDE							5.00 UG/L		UJ						

SAMPLE NUMBER:	056558			056569			056592			056573			056576		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
VOLATILES															
CHLOROBENZENE							5.00 UG/L		UJ						
CHLOROFORM							5.00 UG/L		UJ						
TETRACHLOROETHENE							5.00 UG/L		UJ						
TRICHLOROETHENE							5.00 UG/L		UJ						
VINYL CHLORIDE							10.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056580	056614	056595	056598	056602
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1584	1585	1585	1585	1585
DEPTH:	4-4.5	-	.5-1	2-2.5	4-4.5
DATE COLLECTED:	24-SEP-90	26-SEP-90	25-SEP-90	25-SEP-90	26-SEP-90
NORTH COORDINATE:	481106.15	481104.43	481104.43	481104.43	481104.43
EAST COORDINATE:	1381080.47	1381113.55	1381113.55	1381113.55	1381113.55
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	R-NA	NONE-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															
% MOISTURE	12.00 %		NV				16.00 %		NV	13.00 %		NV	11.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				1.70 UG/L		U									
2,4-D				12.30 UG/L		U									
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				0.76 MG/L		-									
CADMIUM				0.02 MG/L		-									
CHROMIUM				0.10 MG/L		-									
LEAD				0.20 MG/L		U									
MERCURY				0.00 MG/L		U									
SELENIUM				0.40 MG/L		U									
SILVER				0.06 MG/L		-									
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		UJ									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		UJ									
CHLORDANE				1.00 UG/L		UJ									
ENDRIN				0.10 UG/L		UJ									
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ									
GAMMA-CHLORDANE				0.50 UG/L		UJ									
HEPTACHLOR				0.05 UG/L		UJ									

000345

SAMPLE NUMBER:	056580			056614			056595			056598			056602		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
HEPTACHLOR EPOXIDE				0.05 UG/L		UJ									
METHOXYCHLOR				0.50 UG/L		UJ									
TOXAPHENE				1.00 UG/L		UJ									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		UJ									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		UJ									
2,4-DINITROTOLUENE				20.00 UG/L		UJ									
2-METHYLPHENOL				20.00 UG/L		UJ									
4-METHYLPHENOL				20.00 UG/L		UJ									
HEXACHLOROBENZENE				20.00 UG/L		UJ									
HEXACHLOROBUTADIENE				20.00 UG/L		UJ									
HEXACHLOROETHANE				20.00 UG/L		UJ									
NITROBENZENE				20.00 UG/L		UJ									
PENTACHLOROPHENOL				100.00 UG/L		UJ									
PYRIDINE				20.00 UG/L		UJ									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		UJ									
1,2-DICHLOROETHANE				5.00 UG/L		UJ									
2-BUTANONE				10.00 UG/L		UJ									
BENZENE				5.00 UG/L		UJ									
CARBON TETRACHLORIDE				5.00 UG/L		UJ									
CHLOROBENZENE				5.00 UG/L		UJ									
CHLOROFORM				5.00 UG/L		UJ									
TETRACHLOROETHENE				5.00 UG/L		UJ									
TRICHLOROETHENE				5.00 UG/L		UJ									
VINYL CHLORIDE				10.00 UG/L		UJ									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056613	056636	056617	056620	056624
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1585	1586	1586	1586	1586
DEPTH:	9.5-10	-	.5-1	2-2.5	4-4.5
DATE COLLECTED:	26-SEP-90	26-SEP-90	25-SEP-90	25-SEP-90	26-SEP-90
NORTH COORDINATE:	481104.43	481105.28	481105.28	481105.28	481105.28
EAST COORDINATE:	1381113.55	1381147.01	1381147.01	1381147.01	1381147.01
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	R-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV				18.00 %		NV	12.00 %		NV	12.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				1.70 UG/L		U									
2,4-D				12.00 UG/L		U									
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				0.48 MG/L		-									
CADMIUM				0.01 MG/L		-									
CHROMIUM				0.12 MG/L		-									
LEAD				0.20 MG/L		U									
MERCURY				0.00 MG/L		U									
SELENIUM				0.08 MG/L		-									
SILVER				0.09 MG/L		-									
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		UJ									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		UJ									
CHLORDANE				1.00 UG/L		UJ									
ENDRIN				0.10 UG/L		UJ									
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ									
GAMMA-CHLORDANE				0.50 UG/L		UJ									
HEPTACHLOR				0.05 UG/L		UJ									

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SAMPLE NUMBER:	056613			056636			056617			056620			056624		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
HEPTACHLOR EPOXIDE				0.05 UG/L		UJ									
METHOXYCHLOR				0.50 UG/L		UJ									
TOXAPHENE				1.00 UG/L		UJ									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		UJ									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		UJ									
2,4-DINITROTOLUENE				20.00 UG/L		UJ									
2-METHYLPHENOL				20.00 UG/L		UJ									
4-METHYLPHENOL				20.00 UG/L		UJ									
HEXACHLOROBENZENE				20.00 UG/L		UJ									
HEXACHLOROBUTADIENE				20.00 UG/L		UJ									
HEXACHLOROETHANE				20.00 UG/L		UJ									
NITROBENZENE				20.00 UG/L		UJ									
PENTACHLOROPHENOL				100.00 UG/L		UJ									
PYRIDINE				20.00 UG/L		UJ									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		UJ									
1,2-DICHLOROETHANE				5.00 UG/L		UJ									
2-BUTANONE				6.00 UG/L		U									
BENZENE				5.00 UG/L		UJ									
CARBON TETRACHLORIDE				5.00 UG/L		UJ									
CHLOROBENZENE				5.00 UG/L		UJ									
CHLOROFORM				5.00 UG/L		UJ									
TETRACHLOROETHENE				5.00 UG/L		UJ									
TRICHLOROETHENE				5.00 UG/L		UJ									
VINYL CHLORIDE				10.00 UG/L		UJ									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056635	000836	056995	056417	056437
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1586	1587	1587	1588	1588
DEPTH:	9.5-10	-	-	0-.5	-
DATE COLLECTED:	26-SEP-90	25-AUG-91	08-NOV-90	19-SEP-90	20-SEP-90
NORTH COORDINATE:	481105.28	481062.32	481062.32	481059.76	481059.76
EAST COORDINATE:	1381147.01	1380967.39	1380967.39	1381009.31	1381009.31
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	10.00 %		NV							8.00 % MOISTURE		NV			
HERBICIDES															
2,4,5-TP (SILVEX)				17.00 UG/L		U	1.80 UG/L		U				2.00 UG/L		UJ
2,4-D				120.00 UG/L		U	12.00 UG/L		U				13.00 UG/L		UJ
INORGANICS															
ARSENIC				0.05 MG/L		U	0.25 MG/L		U				0.26 MG/L		U
BARIUM				0.91 MG/L		U	0.92 MG/L		-				1.37 MG/L		-
CADMIUM				0.00 MG/L		U	0.01 MG/L		U				0.01 MG/L		U
CHROMIUM				0.00 MG/L		U	0.11 MG/L		-				0.10 MG/L		-
LEAD				0.04 MG/L		U	0.20 MG/L		U				0.20 MG/L		U
MERCURY				0.00 MG/L		UJ	0.00 MG/L		U				0.00 MG/L		U
SELENIUM				0.07 MG/L		U	0.40 MG/L		U				0.40 MG/L		U
SILVER				0.00 MG/L		U	0.12 MG/L		-				0.09 MG/L		-
No sort code listed.															
3-METHYLPHENOL													20.00 UG/L		UJ
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		U						
CHLORDANE				0.70 UG/L		U	1.00 UG/L		U				0.50 UG/L		U
ENDRIN				0.30 UG/L		U	0.10 UG/L		U				0.10 UG/L		U
GAMMA-BHC (LINDANE)				0.20 UG/L		U	0.05 UG/L		U				0.05 UG/L		U
GAMMA-CHLORDANE							0.50 UG/L		U						
HEPTACHLOR				0.15 UG/L		U	0.05 UG/L		U				0.05 UG/L		U

000916

6416

SAMPLE NUMBER:	056635			000836			056995			056417			056437		
LAB:				IT			IT						IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			-			NONE-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															
HEPTACHLOR EPOXIDE				4.20 UG/L		U	0.05 UG/L		U				0.05 UG/L		U
METHOXYCHLOR				8.80 UG/L		U	0.50 UG/L		U				0.50 UG/L		U
TOXAPHENE				12.00 UG/L		U	1.00 UG/L		U				1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE				40.00 UG/L		U							20.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL				40.00 UG/L		U							100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL				40.00 UG/L		U							20.00 UG/L		UJ
2,4-DINITROTOLUENE				40.00 UG/L		U							20.00 UG/L		UJ
2-METHYLPHENOL				40.00 UG/L		U							20.00 UG/L		UJ
4-METHYLPHENOL				40.00 UG/L		U							20.00 UG/L		UJ
HEXACHLOROBENZENE				40.00 UG/L		U							20.00 UG/L		UJ
HEXACHLOROBUTADIENE				40.00 UG/L		U							20.00 UG/L		UJ
HEXACHLOROETHANE				40.00 UG/L		U							20.00 UG/L		UJ
NITROBENZENE				40.00 UG/L		U							20.00 UG/L		UJ
PENTACHLOROPHENOL				200.00 UG/L		U							100.00 UG/L		UJ
PYRIDINE				400.00 UG/L		U							20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
1,2-DICHLOROETHANE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
2-BUTANONE				100.00 UG/L		U	2.00 UG/L		J				10.00 UG/L		U
BENZENE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CARBON TETRACHLORIDE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CHLOROBENZENE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CHLOROFORM				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
TETRACHLOROETHENE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
TRICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
VINYL CHLORIDE				100.00 UG/L		U	10.00 UG/L		U				10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056425	056436	056481	056462	056465
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1588	1588	1589	1589	1589
DEPTH:	4-4.5	9.5-10	-	.5-1	2-2.5
DATE COLLECTED:	20-SEP-90	20-SEP-90	23-SEP-90	21-SEP-90	21-SEP-90
NORTH COORDINATE:	481059.76	481059.76	481057.96	481057.96	481057.96
EAST COORDINATE:	1381009.31	1381009.31	1381042.67	1381042.67	1381042.67
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.00 %		NV	8.00 % MOISTURE		NV				13.00 %		NV	10.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)							1.90 UG/L		UJ						
2,4-D							13.00 UG/L		UJ						
INORGANICS															
ARSENIC							0.25 MG/L		U						
BARIUM							0.73 MG/L		-						
CADMIUM							0.01 MG/L		-						
CHROMIUM							0.10 MG/L		-						
LEAD							0.20 MG/L		UJ						
MERCURY							0.00 MG/L		U						
SELENIUM							0.14 MG/L		-						
SILVER							0.09 MG/L		-						
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		UJ						
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		UJ						
CHLORDANE							1.00 UG/L		UNV						
ENDRIN							0.10 UG/L		UJ						
GAMMA-BHC (LINDANE)							0.05 UG/L		UJ						
GAMMA-CHLORDANE							0.50 UG/L		UJ						
HEPTACHLOR							0.05 UG/L		UJ						

SAMPLE NUMBER:	056425			056436			056481			056462			056465		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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															
HEPTACHLOR EPOXIDE							0.05 UG/L		UJ						
METHOXYCHLOR							0.50 UG/L		UJ						
TOXAPHENE							1.00 UG/L		UJ						
SEMIVOLATILES															
1,4-DICHLOROBENZENE							20.00 UG/L		UJ						
2,4,5-TRICHLOROPHENOL							100.00 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							20.00 UG/L		UJ						
2,4-DINITROTOLUENE							20.00 UG/L		UJ						
2-METHYLPHENOL							20.00 UG/L		UJ						
4-METHYLPHENOL							20.00 UG/L		UJ						
HEXACHLOROBENZENE							20.00 UG/L		UJ						
HEXACHLOROBUTADIENE							20.00 UG/L		UJ						
HEXACHLOROETHANE							20.00 UG/L		UJ						
NITROBENZENE							20.00 UG/L		UJ						
PENTACHLOROPHENOL							100.00 UG/L		UJ						
PYRIDINE							20.00 UG/L		UJ						
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		UJ						
1,2-DICHLOROETHANE							5.00 UG/L		UJ						
2-BUTANONE							10.00 UG/L		UJ						
BENZENE							5.00 UG/L		UJ						
CARBON TETRACHLORIDE							5.00 UG/L		UJ						
CHLOROBENZENE							5.00 UG/L		UJ						
CHLOROFORM							5.00 UG/L		UJ						
TETRACHLOROETHENE							5.00 UG/L		UJ						
TRICHLOROETHENE							5.00 UG/L		UJ						
VINYL CHLORIDE							10.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056459	056440	056443	056447	056458
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1590	1590	1590	1590	1590
DEPTH:	-	.5-1	2-2.5	4-4.5	9.5-10
DATE COLLECTED:	20-SEP-90	20-SEP-90	20-SEP-90	20-SEP-90	20-SEP-90
NORTH COORDINATE:	481056.64	481056.64	481056.64	481056.64	481056.64
EAST COORDINATE:	1381075.87	1381075.87	1381075.87	1381075.87	1381075.87
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				8.00 % MOISTURE		NV	11.00 %		NV	10.00 %		NV	7.00 % MOISTURE		NV
HERBICIDES															
2,4,5-TP (SILVEX)	2.00 UG/L		UJ												
2,4-D	12.00 UG/L		UJ												
INORGANICS															
ARSENIC	0.35 MG/L		U												
BARIUM	1.39 MG/L		-												
CADMIUM	0.01 MG/L		U												
CHROMIUM	0.10 MG/L		-												
LEAD	0.20 MG/L		U												
MERCURY	0.00 MG/L		U												
SELENIUM	0.40 MG/L		U												
SILVER	0.09 MG/L		-												
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UJ												
PESTICIDES															
CHLORDANE	0.50 UG/L		U												
ENDRIN	0.10 UG/L		U												
GAMMA-BHC (LINDANE)	0.05 UG/L		U												
HEPTACHLOR	0.05 UG/L		U												
HEPTACHLOR EPOXIDE	0.05 UG/L		U												
METHOXYCHLOR	0.50 UG/L		U												

SAMPLE NUMBER:	056459			056440			056443			056447			056458		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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															
TOXAPHENE	1.00 UG/L		U												
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ												
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ												
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UJ												
2,4-DINITROTOLUENE	20.00 UG/L		UJ												
2-METHYLPHENOL	20.00 UG/L		UJ												
4-METHYLPHENOL	20.00 UG/L		UJ												
HEXACHLOROBENZENE	20.00 UG/L		UJ												
HEXACHLOROBUTADIENE	20.00 UG/L		UJ												
HEXACHLOROETHANE	20.00 UG/L		UJ												
NITROBENZENE	20.00 UG/L		UJ												
PENTACHLOROPHENOL	100.00 UG/L		UJ												
PYRIDINE	20.00 UG/L		UJ												
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U												
1,2-DICHLOROETHANE	5.00 UG/L		U												
2-BUTANONE	10.00 UG/L		U												
BENZENE	5.00 UG/L		U												
CARBON TETRACHLORIDE	5.00 UG/L		U												
CHLOROBENZENE	5.00 UG/L		U												
CHLOROFORM	5.00 UG/L		U												
TETRACHLOROETHENE	5.00 UG/L		U												
TRICHLOROETHENE	5.00 UG/L		U												
VINYL CHLORIDE	10.00 UG/L		U												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056548	056529	056680	056661	056664
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1591	1591	1592	1592	1592
DEPTH:	-	.5-1	-	.5-1	2-2.5
DATE COLLECTED:	23-SEP-90	21-SEP-90	25-SEP-90	24-SEP-90	24-SEP-90
NORTH COORDINATE:	481080.76	481080.76	481078.54	481078.54	481078.54
EAST COORDINATE:	1381111.82	1381111.82	1381139.76	1381139.76	1381139.76
QA TYPE:	DRILL CUTTINGS	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				10.00 %		NV				9.00 % MOISTURE		NV	11.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.70 UG/L		UJ				1.70 UG/L		UJ						
2,4-D	12.20 UG/L		UJ				12.00 UG/L		UJ						
INORGANICS															
ARSENIC	0.10 MG/L		U				0.08 MG/L		U						
BARIUM	0.57 MG/L		-				1.02 MG/L		J						
CADMIUM	0.01 MG/L		-				0.01 MG/L		J						
CHROMIUM	0.02 MG/L		U				0.05 MG/L		J						
LEAD	0.08 MG/L		U				0.04 MG/L		UJ						
MERCURY	0.00 MG/L		U				0.00 MG/L		U						
SELENIUM	0.08 MG/L		-				0.08 MG/L		U						
SILVER	0.02 MG/L		U				0.03 MG/L		J						
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UJ				20.00 UG/L		UJ						
PESTICIDES															
4,4'-DDD							0.10 UG/L		UJ						
4,4'-DDE							0.10 UG/L		UJ						
4,4'-DDT							0.10 UG/L		UJ						
ALDRIN							0.05 UG/L		UJ						
ALPHA-BHC							0.05 UG/L		UJ						
ALPHA-CHLORDANE	0.50 UG/L		UJ				0.50 UG/L		UJ						

000325

SAMPLE NUMBER:	056548			056529			056680			056661			056664		
LAB:	IT						IT								
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-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															
AROCLOR-1016							0.50 UG/L		UJ						
AROCLOR-1221							0.50 UG/L		UJ						
AROCLOR-1232							0.50 UG/L		UJ						
AROCLOR-1242							0.50 UG/L		UJ						
AROCLOR-1248							0.50 UG/L		UJ						
AROCLOR-1254							1.00 UG/L		UJ						
AROCLOR-1260							1.00 UG/L		UJ						
BETA-BHC							0.05 UG/L		UJ						
CHLORDANE	1.00 UG/L		UJ				1.00 UG/L		UJ						
DELTA-BHC							0.05 UG/L		UJ						
DIELDRIN							0.10 UG/L		UJ						
ENDOSULFAN II							0.10 UG/L		UJ						
ENDOSULFAN SULFATE							0.10 UG/L		UJ						
ENDOSULFAN-I							0.05 UG/L		UJ						
ENDRIN	0.10 UG/L		UJ				0.11 UG/L		UJ						
ENDRIN KETONE							0.10 UG/L		UJ						
GAMMA-BHC (LINDANE)	0.05 UG/L		UJ				0.08 UG/L		UJ						
GAMMA-CHLORDANE	0.50 UG/L		UJ				0.50 UG/L		UJ						
HEPTACHLOR	0.05 UG/L		UJ				0.04 UG/L		UJ						
HEPTACHLOR EPOXIDE	0.05 UG/L		UJ				0.05 UG/L		UJ						
METHOXYCHLOR	0.50 UG/L		UJ				0.59 UG/L		UJ						
TOXAPHENE	1.00 UG/L		UJ				1.20 UG/L		UJ						
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ				20.00 UG/L		UJ						
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ				100.00 UG/L		UJ						
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UJ				20.00 UG/L		UJ						
2,4-DINITROTOLUENE	20.00 UG/L		UJ				20.00 UG/L		UJ						
2-METHYLPHENOL	20.00 UG/L		UJ				20.00 UG/L		UJ						
4-METHYLPHENOL	20.00 UG/L		UJ				20.00 UG/L		UJ						
HEXACHLOROBENZENE	20.00 UG/L		UJ				20.00 UG/L		UJ						
HEXACHLOROBUTADIENE	20.00 UG/L		UJ				20.00 UG/L		UJ						
HEXACHLOROETHANE	20.00 UG/L		UJ				20.00 UG/L		UJ						
NITROBENZENE	20.00 UG/L		UJ				20.00 UG/L		UJ						
PENTACHLOROPHENOL	100.00 UG/L		UJ				100.00 UG/L		UJ						
PYRIDINE	20.00 UG/L		UJ				20.00 UG/L		UJ						
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		UJ				5.00 UG/L		UJ						
1,2-DICHLOROETHANE	5.00 UG/L		UJ				5.00 UG/L		UJ						
2-BUTANONE	3.00 UG/L		U				2.00 UG/L		U						
BENZENE	5.00 UG/L		UJ				5.00 UG/L		UJ						
CARBON TETRACHLORIDE	5.00 UG/L		UJ				5.00 UG/L		UJ						

SAMPLE NUMBER:	056548			056529			056680			056661			056664		
LAB:	IT						IT								
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-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)
VOLATILES															
CHLOROBENZENE	5.00 UG/L		UJ				5.00 UG/L		UJ						
CHLOROFORM	5.00 UG/L		UJ				5.00 UG/L		UJ						
TETRACHLOROETHENE	5.00 UG/L		UJ				5.00 UG/L		UJ						
TRICHLOROETHENE	5.00 UG/L		UJ				5.00 UG/L		UJ						
VINYL CHLORIDE	10.00 UG/L		UJ				10.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056668	056702	056683	056686	056690
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1592	1593	1593	1593	1593
DEPTH:	4-4.5	-	.5-1	2-2.5	4-4.5
DATE COLLECTED:	24-SEP-90	01-NOV-90	01-NOV-90	01-NOV-90	01-NOV-90
NORTH COORDINATE:	481078.54	481005.94	481005.94	481005.94	481005.94
EAST COORDINATE:	1381139.76	1380975.47	1380975.47	1380975.47	1380975.47
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV				9.00 % MOISTURE		NV	12.00 %		NV	9.00 % MOISTURE		NV
HERBICIDES															
2,4,5-TP (SILVEX)				1.70 UG/L		U									
2,4-D				12.00 UG/L		U									
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				1.21 MG/L		-									
CADMIUM				0.01 MG/L		-									
CHROMIUM				0.05 MG/L		U									
LEAD				0.20 MG/L		U									
MERCURY				0.00 MG/L		U									
SELENIUM				0.40 MG/L		U									
SILVER				0.12 MG/L		-									
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		UJ									
PESTICIDES															
ALPHA-CHLORDANE				1.00 UG/L		UJ									
CHLORDANE				2.00 UG/L		UJ									
ENDRIN				0.20 UG/L		UJ									
GAMMA-BHC (LINDANE)				0.10 UG/L		UJ									
GAMMA-CHLORDANE				1.00 UG/L		UJ									
HEPTACHLOR				0.10 UG/L		UJ									

SAMPLE NUMBER:	056668			056702			056683			056686			056690		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
HEPTACHLOR EPOXIDE				0.10 UG/L		UJ									
METHOXYCHLOR				1.00 UG/L		UJ									
TOXAPHENE				2.00 UG/L		UJ									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		UJ									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		UJ									
2,4-DINITROTOLUENE				20.00 UG/L		UJ									
2-METHYLPHENOL				20.00 UG/L		UJ									
4-METHYLPHENOL				20.00 UG/L		UJ									
HEXACHLOROBENZENE				20.00 UG/L		UJ									
HEXACHLOROBUTADIENE				20.00 UG/L		UJ									
HEXACHLOROETHANE				20.00 UG/L		UJ									
NITROBENZENE				20.00 UG/L		UJ									
PENTACHLOROPHENOL				100.00 UG/L		UJ									
PYRIDINE				13.00 UG/L		J									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U									
1,2-DICHLOROETHANE				5.00 UG/L		U									
2-BUTANONE				10.00 UG/L		U									
BENZENE				5.00 UG/L		U									
CARBON TETRACHLORIDE				5.00 UG/L		U									
CHLOROBENZENE				5.00 UG/L		U									
CHLOROFORM				5.00 UG/L		U									
TETRACHLOROETHENE				5.00 UG/L		U									
TRICHLOROETHENE				5.00 UG/L		U									
VINYL CHLORIDE				10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056701	000833	056724	056705	056708
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1593	1594	1594	1594	1594
DEPTH:	9.5-10	-	-	.5-1	2-2.5
DATE COLLECTED:	01-NOV-90	11-AUG-91	11-OCT-90	07-OCT-90	07-OCT-90
NORTH COORDINATE:	481005.94	481003.19	481003.19	481003.19	481003.19
EAST COORDINATE:	1380975.47	1381008.93	1381008.93	1381008.93	1381008.93
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	DL-NA	DL-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															
% MOISTURE	10.00 %		NV							13.00 %		NV	10.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				17.00 UG/L		U	1.80 UG/L		UJ						
2,4-D				120.00 UG/L		U	12.60 UG/L		UJ						
INORGANICS															
ARSENIC				0.05 MG/L		U	250.00 MG/L		UJ						
BARIUM				1.67 MG/L		U	1023.00 MG/L		J						
CADMIUM				0.00 MG/L		U	5.70 MG/L		J						
CHROMIUM				0.00 MG/L		U	156.00 MG/L		J						
LEAD				0.04 MG/L		U	200.00 MG/L		UJ						
MERCURY				0.00 MG/L		U	0.20 MG/L		U						
SELENIUM				0.07 MG/L		U	168.00 MG/L		U						
SILVER				0.00 MG/L		U	83.60 MG/L		J						
PESTICIDES															
ALPHA-CHLORDANE							1.00 UG/L		UJ						
CHLORDANE				0.70 UG/L		U	2.00 UG/L		UJ						
ENDRIN				0.30 UG/L		U	0.20 UG/L		UJ						
GAMMA-BHC (LINDANE)				0.20 UG/L		U	0.10 UG/L		UJ						
GAMMA-CHLORDANE							1.00 UG/L		UJ						
HEPTACHLOR				0.15 UG/L		U	0.10 UG/L		UJ						
HEPTACHLOR EPOXIDE				4.20 UG/L		U	0.10 UG/L		UJ						
METHOXYCHLOR				8.80 UG/L		U	1.00 UG/L		UJ						
TOXAPHENE				12.00 UG/L		U	2.00 UG/L		UJ						

SEMIVOLATILES

1,4-DICHLOROBENZENE 80.00 UG/L U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056701			000833			056724			056705			056708		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL				80.00 UG/L		U									
2,4,6-TRICHLOROPHENOL				80.00 UG/L		U									
2,4-DINITROTOLUENE				80.00 UG/L		U									
2-METHYLPHENOL				80.00 UG/L		U									
4-METHYLPHENOL				80.00 UG/L		U									
HEXACHLOROBENZENE				80.00 UG/L		U									
HEXACHLOROBUTADIENE				80.00 UG/L		U									
HEXACHLOROETHANE				80.00 UG/L		U									
NITROBENZENE				80.00 UG/L		U									
PENTACHLOROPHENOL				400.00 UG/L		U									
PYRIDINE				800.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		UJ						
1,2-DICHLOROETHANE				50.00 UG/L		U	5.00 UG/L		UJ						
2-BUTANONE				100.00 UG/L		U	10.00 UG/L		UJ						
BENZENE				50.00 UG/L		U	5.00 UG/L		UJ						
CARBON TETRACHLORIDE				50.00 UG/L		U	5.00 UG/L		UJ						
CHLOROBENZENE				50.00 UG/L		U	5.00 UG/L		UJ						
CHLOROFORM				50.00 UG/L		U	5.00 UG/L		UJ						
TETRACHLOROETHENE				13.00 UG/L		J	5.00 UG/L		UJ						
TRICHLOROETHENE				50.00 UG/L		U	160.00 UG/L		J						
VINYL CHLORIDE				100.00 UG/L		U	10.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056712	056723	000834	056746	056730
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1594	1594	1595	1595	1595
DEPTH:	4-4.5	9.5-10	-	-	2-2.5
DATE COLLECTED:	07-OCT-90	11-OCT-90	11-AUG-91	11-OCT-90	07-OCT-90
NORTH COORDINATE:	481003.19	481003.19	481005.09	481005.09	481005.09
EAST COORDINATE:	1381008.93	1381008.93	1381041.7	1381041.7	1381041.7
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	DL-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	4.00 % MOISTURE		NV	11.00 %		NV							13.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)							17.00 UG/L		U	2.10 UG/L		UJ			
2,4-D							120.00 UG/L		U	14.70 UG/L		UJ			
INORGANICS															
ARSENIC							0.05 MG/L		U	50.00 MG/L		UJ			
BARIUM							1.25 MG/L		U	604.00 MG/L		J			
CADMIUM							0.00 MG/L		U	2.00 MG/L		U			
CHROMIUM							0.00 MG/L		U	25.30 MG/L		J			
LEAD							0.04 MG/L		U	40.00 MG/L		UJ			
MERCURY							0.00 MG/L		U	0.20 MG/L		U			
SELENIUM							0.07 MG/L		U	80.00 MG/L		UJ			
SILVER							0.00 MG/L		U	10.80 MG/L		J			
PESTICIDES															
ALPHA-CHLORDANE										1.00 UG/L		UJ			
CHLORDANE							0.70 UG/L		U	2.00 UG/L		UJ			
ENDRIN							0.30 UG/L		U	0.20 UG/L		UJ			
GAMMA-BHC (LINDANE)							0.20 UG/L		U	0.10 UG/L		UJ			
GAMMA-CHLORDANE										1.00 UG/L		UJ			
HEPTACHLOR							0.15 UG/L		U	0.10 UG/L		UJ			
HEPTACHLOR EPOXIDE							4.20 UG/L		U	0.10 UG/L		UJ			
METHOXYCHLOR							8.80 UG/L		U	1.00 UG/L		UJ			
TOXAPHENE							12.00 UG/L		U	2.00 UG/L		UJ			

SEMIVOLATILES

1,4-DICHLOROBENZENE 40.00 UG/L U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056712			056723			000834			056746			056730		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL							40.00 UG/L		U						
2,4,6-TRICHLOROPHENOL							40.00 UG/L		U						
2,4-DINITROTOLUENE							40.00 UG/L		U						
2-METHYLPHENOL							40.00 UG/L		U						
4-METHYLPHENOL							40.00 UG/L		U						
HEXACHLOROBENZENE							40.00 UG/L		U						
HEXACHLOROBUTADIENE							40.00 UG/L		U						
HEXACHLOROETHANE							40.00 UG/L		U						
NITROBENZENE							40.00 UG/L		U						
PENTACHLOROPHENOL							200.00 UG/L		U						
PYRIDINE							400.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE							50.00 UG/L		U	5.00 UG/L		UJ			
1,2-DICHLOROETHANE							50.00 UG/L		U	5.00 UG/L		UJ			
2-BUTANONE							14.00 UG/L		J	10.00 UG/L		UJ			
BENZENE							50.00 UG/L		U	5.00 UG/L		UJ			
CARBON TETRACHLORIDE							50.00 UG/L		U	5.00 UG/L		UJ			
CHLOROBENZENE							50.00 UG/L		U	5.00 UG/L		UJ			
CHLOROFORM							50.00 UG/L		U	5.00 UG/L		UJ			
TETRACHLOROETHENE							50.00 UG/L		U	5.00 UG/L		UJ			
TRICHLOROETHENE							50.00 UG/L		U	5.00 UG/L		UJ			
VINYL CHLORIDE							100.00 UG/L		U	10.00 UG/L		UJ			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056745	056768	056790	056996	056815
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1595	1596	1597	1599	1599
DEPTH:	9.5-10	-	-	-	1.5-2
DATE COLLECTED:	11-OCT-90	05-OCT-90	05-OCT-90	18-NOV-90	18-OCT-90
NORTH COORDINATE:	481005.09	481004.1	481005.35	480970.6	480970.6
EAST COORDINATE:	1381041.7	1381075.64	1381108.53	1381033.7	1381033.7
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	14.00 %		NV										4.00 % MOISTURE		NV
HERBICIDES															
2,4,5-TP (SILVEX)				1.90 UG/L		UJ	1.90 UG/L		U	1.80 UG/L		U			
2,4-D				12.40 UG/L		UJ	12.60 UG/L		U	12.00 UG/L		U			
INORGANICS															
ARSENIC				0.25 MG/L		U	0.25 MG/L		U	0.25 MG/L		U			
BARIUM				0.81 MG/L		-	0.96 MG/L		-	1.22 MG/L		-			
CADMIUM				0.01 MG/L		-	0.01 MG/L		-	0.01 MG/L		U			
CHROMIUM				0.10 MG/L		-	0.08 MG/L		-	0.09 MG/L		-			
LEAD				0.20 MG/L		UJ	0.20 MG/L		UJ	0.20 MG/L		U			
MERCURY				0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U			
SELENIUM				0.11 MG/L		-	0.13 MG/L		-	0.40 MG/L		U			
SILVER				0.08 MG/L		-	0.07 MG/L		-	0.10 MG/L		-			
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		UJ	20.00 UG/L		U						
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		UJ	1.00 UG/L		U	0.50 UG/L		U			
CHLORDANE				1.00 UG/L		UJ	2.00 UG/L		U	1.00 UG/L		U			
ENDRIN				0.10 UG/L		UJ	0.20 UG/L		U	0.10 UG/L		U			
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ	0.10 UG/L		U	0.05 UG/L		U			
GAMMA-CHLORDANE				0.50 UG/L		UJ	1.00 UG/L		U	0.50 UG/L		U			
HEPTACHLOR				0.05 UG/L		UJ	0.10 UG/L		U	0.05 UG/L		U			

SAMPLE NUMBER:	056745			056768			056790			056996			056815		
LAB:				IT			IT			IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE				0.05 UG/L		UJ	0.10 UG/L		U	0.05 UG/L		U			
METHOXYCHLOR				0.50 UG/L		UJ	1.00 UG/L		U	0.50 UG/L		U			
TOXAPHENE				1.00 UG/L		UJ	2.00 UG/L		U	1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ	20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL				100.00 UG/L		UJ	100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL				20.00 UG/L		UJ	20.00 UG/L		U						
2,4-DINITROTOLUENE				20.00 UG/L		UJ	20.00 UG/L		U						
2-METHYLPHENOL				20.00 UG/L		UJ	20.00 UG/L		U						
4-METHYLPHENOL				20.00 UG/L		UJ	20.00 UG/L		U						
HEXACHLOROBENZENE				20.00 UG/L		UJ	20.00 UG/L		U						
HEXACHLOROBUTADIENE				20.00 UG/L		UJ	20.00 UG/L		U						
HEXACHLOROETHANE				20.00 UG/L		UJ	20.00 UG/L		U						
NITROBENZENE				20.00 UG/L		UJ	20.00 UG/L		U						
PENTACHLOROPHENOL				100.00 UG/L		UJ	100.00 UG/L		U						
PYRIDINE				20.00 UG/L		UJ	20.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U			
1,2-DICHLOROETHANE										5.00 UG/L		U			
2-BUTANONE										10.00 UG/L		U			
BENZENE										5.00 UG/L		U			
CARBON TETRACHLORIDE										5.00 UG/L		U			
CHLOROBENZENE										5.00 UG/L		U			
CHLOROFORM										5.00 UG/L		U			
TETRACHLOROETHENE										5.00 UG/L		U			
TRICHLOROETHENE										5.00 UG/L		U			
VINYL CHLORIDE										10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056820	056823	056830	000839	056997
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1599	1599	1599	1600	1600
DEPTH:	4-4.5	5.5-6	9-9.5	-	-
DATE COLLECTED:	23-OCT-90	23-OCT-90	23-OCT-90	11-AUG-91	18-NOV-90
NORTH COORDINATE:	480970.6	480970.6	480970.6	480968.57	480968.57
EAST COORDINATE:	1381033.7	1381033.7	1381033.7	1381080.16	1381080.16
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	11.00 %		NV	10.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										17.00 UG/L		U	3.40 UG/L		U
2,4-D										120.00 UG/L		U	23.60 UG/L		U
INORGANICS															
ARSENIC										0.05 MG/L		U	0.30 MG/L		U
BARIUM										0.65 MG/L		U	0.71 MG/L		-
CADMIUM										0.00 MG/L		U	0.01 MG/L		-
CHROMIUM										0.00 MG/L		U	0.07 MG/L		-
LEAD										0.04 MG/L		U	0.20 MG/L		U
MERCURY										0.00 MG/L		U	0.00 MG/L		U
SELENIUM										0.07 MG/L		U	0.40 MG/L		U
SILVER										0.00 MG/L		U	0.12 MG/L		-
PESTICIDES															
ALPHA-CHLORDANE													0.50 UG/L		U
CHLORDANE										0.70 UG/L		U	1.00 UG/L		U
ENDRIN										0.30 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)										0.20 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE													0.50 UG/L		U
HEPTACHLOR										0.15 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE										4.20 UG/L		U	0.05 UG/L		U
METHOXYCHLOR										8.80 UG/L		U	0.50 UG/L		U
TOXAPHENE										12.00 UG/L		U	1.00 UG/L		U

SEMIVOLATILES

1,4-DICHLOROBENZENE 40.00 UG/L U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056820			056823			056830			000839			056997		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL										40.00 UG/L		U			
2,4,6-TRICHLOROPHENOL										40.00 UG/L		U			
2,4-DINITROTOLUENE										40.00 UG/L		U			
2-METHYLPHENOL										40.00 UG/L		U			
4-METHYLPHENOL										40.00 UG/L		U			
HEXACHLOROBENZENE										40.00 UG/L		U			
HEXACHLOROBUTADIENE										40.00 UG/L		U			
HEXACHLOROETHANE										40.00 UG/L		U			
NITROBENZENE										40.00 UG/L		U			
PENTACHLOROPHENOL										200.00 UG/L		U			
PYRIDINE										400.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE										50.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE										50.00 UG/L		U	5.00 UG/L		U
2-BUTANONE										100.00 UG/L		U	10.00 UG/L		U
BENZENE										13.00 UG/L		J	5.00 UG/L		U
CARBON TETRACHLORIDE										50.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE										50.00 UG/L		U	5.00 UG/L		U
CHLOROFORM										50.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE										50.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE										50.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE										100.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056837			056840			056843			056847			052781		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1600			1600			1600			1600			1601		
DEPTH:	4.5-5			6-6.5			7.5-8			9.5-10			.5-1		
DATE COLLECTED:	24-OCT-90			24-OCT-90			25-OCT-90			25-OCT-90			13-SEP-90		
NORTH COORDINATE:	480968.57			480968.57			480968.57			480968.57			480774.78		
EAST COORDINATE:	1381080.16			1381080.16			1381080.16			1381080.16			1381358.96		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			DL-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															
% MOISTURE	11.00 %		NV	10.00 %		NV	13.00 %		NV	11.00 %		NV	7.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	052784			052788			018176			052775			052779		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1601			1601			1602			1602			1602		
DEPTH:	2-2.5			4-4.5			.5-1			2-2.5			4-4.5		
DATE COLLECTED:	13-SEP-90			13-SEP-90			11-SEP-90			11-SEP-90			11-SEP-90		
NORTH COORDINATE:	480774.78			480774.78			480768.14			480768.14			480768.14		
EAST COORDINATE:	1381358.96			1381358.96			1381301.1			1381301.1			1381301.1		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			R-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															
% MOISTURE	13.00 %		NV	13.00 %		NV	6.00 % MOISTURE		NV	10.00 %		NV	10.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	018170			018174			018158			018161			018165		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1603			1603			1604			1604			1604		
DEPTH:	2-2.5			4-4.5			.5-1			2-2.5			4-4.5		
DATE COLLECTED:	10-SEP-90			10-SEP-90			09-SEP-90			09-SEP-90			09-SEP-90		
NORTH COORDINATE:	480777.57			480777.57			480771.47			480771.47			480771.47		
EAST COORDINATE:	1381249.59			1381249.59			1381199.06			1381199.06			1381199.06		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			DL-NA			NONE-NA			NONE-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															
% MOISTURE	12.00 %		NV	12.00 %		NV	10.00 %		NV	12.00 %		NV	11.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	052790	052793	018203	057223	057264
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT-KNOX
WELL OR BORING NUMBER:	1605	1605	1605	1606	1607
DEPTH:	.5-1	2-2.5	4-4.5	-	-
DATE COLLECTED:	18-SEP-90	18-SEP-90	18-SEP-90	19-FEB-91	03-FEB-91
NORTH COORDINATE:	480767.45	480767.45	480767.45	480374.87	480303.77
EAST COORDINATE:	1381393.37	1381393.37	1381393.37	1381630.23	1381636.76
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV	15.00 %		NV	10.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U	1.80 UG/L		U
2,4-D										12.00 UG/L		U	12.00 UG/L		U
INORGANICS															
ARSENIC										0.28 MG/L		-	0.16 MG/L		U
BARIUM										1.52 MG/L		-	0.65 MG/L		U
CADMIUM										0.03 MG/L		J	0.01 MG/L		-
CHROMIUM										0.06 MG/L		-	0.02 MG/L		-
LEAD										0.16 MG/L		-	0.06 MG/L		-
MERCURY										0.00 MG/L		U	0.00 MG/L		U
SELENIUM										0.24 MG/L		-	0.14 MG/L		U
SILVER										0.10 MG/L		-	0.03 MG/L		-
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		U	10.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U	0.50 UG/L		U
CHLORDANE										1.00 UG/L		U			
ENDRIN										0.10 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)										0.05 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE										0.50 UG/L		U	0.50 UG/L		U
HEPTACHLOR										0.05 UG/L		U	0.05 UG/L		U

SAMPLE NUMBER:	052790			052793			018203			057223			057264		
LAB:										IT			IT-KNOX		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE										0.05 UG/L		U	0.05 UG/L		U
METHOXYCHLOR										0.50 UG/L		U	0.50 UG/L		U
TOXAPHENE										1.00 UG/L		U	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		U	10.00 UG/L		U
2,4,5-TRICHLOROPHENOL										100.00 UG/L		U	50.00 UG/L		U
2,4,6-TRICHLOROPHENOL										20.00 UG/L		U	10.00 UG/L		U
2,4-DINITROTOLUENE										20.00 UG/L		U	10.00 UG/L		U
2-METHYLPHENOL										20.00 UG/L		U	10.00 UG/L		U
4-METHYLPHENOL										20.00 UG/L		U	10.00 UG/L		U
HEXACHLOROBENZENE										20.00 UG/L		U	10.00 UG/L		U
HEXACHLOROBUTADIENE										20.00 UG/L		U	10.00 UG/L		U
HEXACHLOROETHANE										20.00 UG/L		U	10.00 UG/L		U
NITROBENZENE										20.00 UG/L		U	10.00 UG/L		U
PENTACHLOROPHENOL										100.00 UG/L		U	50.00 UG/L		U
PYRIDINE										20.00 UG/L		U	100.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE										5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE										10.00 UG/L		U	10.00 UG/L		U
BENZENE										5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE										5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE										5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM										5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE										130.00 UG/L		-	19.00 UG/L		-
VINYL CHLORIDE										10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057232	057233	057310	057276	057277
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1607	1607	1608	1608	1608
DEPTH:	4-4.5	4.5-5	-	4-4.5	4.5-5
DATE COLLECTED:	02-FEB-91	02-FEB-91	28-FEB-91	25-FEB-91	25-FEB-91
NORTH COORDINATE:	480303.77	480303.77	480249.42	480249.42	480249.42
EAST COORDINATE:	1381636.76	1381636.76	1381636.25	1381636.25	1381636.25
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	26.00 %		NV	24.00 %		NV				30.00 %		NV	30.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)							1.80 UG/L		U						
2,4-D							12.00 UG/L		U						
INORGANICS															
ARSENIC							0.41 MG/L		U						
BARIUM							0.72 MG/L		-						
CADMIUM							0.02 MG/L		-						
CHROMIUM							0.09 MG/L		-						
LEAD							0.20 MG/L		U						
MERCURY							0.00 MG/L		U						
SELENIUM							0.40 MG/L		U						
SILVER							0.15 MG/L		-						
No sort code listed.															
3-METHYLPHENOL							10.00 UG/L		U						
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		U						
CHLORDANE							1.00 UG/L		U						
ENDRIN							0.10 UG/L		U						
GAMMA-BHC (LINDANE)							0.05 UG/L		U						
GAMMA-CHLORDANE							0.50 UG/L		U						
HEPTACHLOR							0.05 UG/L		U						

SAMPLE NUMBER:	057232			057233			057310			057276			057277		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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															
HEPTACHLOR EPOXIDE							0.05 UG/L		U						
METHOXYCHLOR							0.50 UG/L		U						
TOXAPHENE							1.00 UG/L		U						
SEMIVOLATILES															
1,4-DICHLOROBENZENE							10.00 UG/L		U						
2,4,5-TRICHLOROPHENOL							50.00 UG/L		U						
2,4,6-TRICHLOROPHENOL							10.00 UG/L		U						
2,4-DINITROTOLUENE							10.00 UG/L		U						
2-METHYLPHENOL							10.00 UG/L		U						
4-METHYLPHENOL							10.00 UG/L		U						
HEXACHLOROBENZENE							10.00 UG/L		U						
HEXACHLOROBUTADIENE							10.00 UG/L		U						
HEXACHLOROETHANE							10.00 UG/L		U						
NITROBENZENE							10.00 UG/L		U						
PENTACHLOROPHENOL							50.00 UG/L		U						
PYRIDINE							10.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U						
1,2-DICHLOROETHANE							5.00 UG/L		U						
2-BUTANONE							10.00 UG/L		U						
BENZENE							5.00 UG/L		U						
CARBON TETRACHLORIDE							5.00 UG/L		U						
CHLOROBENZENE							5.00 UG/L		U						
CHLOROFORM							5.00 UG/L		U						
TETRACHLOROETHENE							5.00 UG/L		U						
TRICHLOROETHENE							20.00 UG/L		U						
VINYL CHLORIDE							10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057320	057321	057366	000826	057137
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1609	1609	1610	1611	1611
DEPTH:	4-4.5	4.5-5	4.5-5	-	-
DATE COLLECTED:	22-JAN-91	22-JAN-91	19-JAN-91	25-AUG-91	17-DEC-90
NORTH COORDINATE:	480313.17	480313.17	480280.2	480423.16	480423.16
EAST COORDINATE:	1381676.09	1381676.09	1381673.17	1381733.29	1381733.29
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	4.00 % MOISTURE		NV	0.00 % MOISTURE		NV	2.00 % MOISTURE		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										17.00 UG/L		U	6.80 UG/L		U
2,4-D										120.00 UG/L		U	51.00 UG/L		U
INORGANICS															
ARSENIC										0.05 MG/L		U	0.25 MG/L		U
BARIUM										1.19 MG/L		U	1.55 MG/L		-
CADMIUM										0.00 MG/L		U	0.01 MG/L		-
CHROMIUM										0.00 MG/L		U	0.09 MG/L		-
LEAD										0.04 MG/L		U	0.20 MG/L		U
MERCURY										0.00 MG/L		UJ	0.00 MG/L		U
SELENIUM										0.07 MG/L		U	0.40 MG/L		U
SILVER										0.00 MG/L		U	0.15 MG/L		-
PESTICIDES															
ALPHA-CHLORDANE													1.00 UG/L		U
CHLORDANE										0.70 UG/L		U			
ENDRIN										0.30 UG/L		U	0.20 UG/L		U
GAMMA-BHC (LINDANE)										0.20 UG/L		U	0.10 UG/L		U
GAMMA-CHLORDANE													1.00 UG/L		U
HEPTACHLOR										0.15 UG/L		U	0.10 UG/L		U
HEPTACHLOR EPOXIDE										4.20 UG/L		U	0.10 UG/L		U
METHOXYCHLOR										8.80 UG/L		U	1.00 UG/L		U
TOXAPHENE										12.00 UG/L		U	2.00 UG/L		U

000045

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057103			057104			000827			057176			057439		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1611			1611			1612			1612			1613		
DEPTH:	4-4.5			4.5-5			-			-			-		
DATE COLLECTED:	12-DEC-90			12-DEC-90			25-AUG-91			16-DEC-90			31-JAN-91		
NORTH COORDINATE:	480423.16			480423.16			480380.06			480380.06			480283.16		
EAST COORDINATE:	1381733.29			1381733.29			1381731.07			1381731.07			1381713.79		
QA TYPE:	NORMAL			NORMAL			DRILL CUTTINGS			DRILL CUTTINGS			DRILL CUTTINGS		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	25.00 %		NV	25.00 %		NV									
HERBICIDES															
2,4,5-TP (SILVEX)							17.00 UG/L		U	6.80 UG/L		U	1.80 UG/L		U
2,4-D							120.00 UG/L		U	51.00 UG/L		U	12.00 UG/L		U
INORGANICS															
ARSENIC							0.05 MG/L		U	0.25 MG/L		U	0.04 MG/L		U
BARIUM							0.85 MG/L		U	1.17 MG/L		-	1.00 MG/L		-
CADMIUM							0.00 MG/L		U	0.01 MG/L		U	0.01 MG/L		U
CHROMIUM							0.00 MG/L		U	0.09 MG/L		-	0.01 MG/L		U
LEAD							0.04 MG/L		U	0.20 MG/L		U	0.03 MG/L		U
MERCURY							0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		U
SELENIUM							0.07 MG/L		U	0.40 MG/L		U	0.06 MG/L		U
SILVER							0.00 MG/L		U	0.13 MG/L		-	0.01 MG/L		UJ
PESTICIDES															
ALPHA-CHLORDANE										1.00 UG/L		U	0.50 UG/L		U
CHLORDANE							0.70 UG/L		U				1.00 UG/L		U
ENDRIN							0.30 UG/L		U	0.20 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)							0.20 UG/L		U	0.10 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE										1.00 UG/L		U	0.50 UG/L		U
HEPTACHLOR							0.15 UG/L		U	0.10 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE							4.20 UG/L		U	0.10 UG/L		U	0.05 UG/L		U
METHOXYCHLOR							8.80 UG/L		U	1.00 UG/L		U	0.50 UG/L		U
TOXAPHENE							12.00 UG/L		U	2.00 UG/L		U	1.00 UG/L		U

SEMIVOLATILES

1,4-DICHLOROBENZENE 40.00 UG/L U
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057103			057104			000827			057176			057439		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL							40.00 UG/L		U						
2,4,6-TRICHLOROPHENOL							40.00 UG/L		U						
2,4-DINITROTOLUENE							40.00 UG/L		U						
2-METHYLPHENOL							40.00 UG/L		U						
4-METHYLPHENOL							40.00 UG/L		U						
HEXACHLOROBENZENE							40.00 UG/L		U						
HEXACHLOROBUTADIENE							40.00 UG/L		U						
HEXACHLOROETHANE							40.00 UG/L		U						
NITROBENZENE							40.00 UG/L		U						
PENTACHLOROPHENOL							200.00 UG/L		U						
PYRIDINE							400.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
1,2-DICHLOROETHANE							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
2-BUTANONE							100.00 UG/L		U	10.00 UG/L		U	50.00 UG/L		U
BENZENE							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
CARBON TETRACHLORIDE							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
CHLOROBENZENE							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
CHLOROFORM							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
TETRACHLOROETHENE							13.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
TRICHLOROETHENE							50.00 UG/L		U	5.00 UG/L		U	25.00 UG/L		U
VINYL CHLORIDE							100.00 UG/L		U	10.00 UG/L		U	50.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	064030	064031	064034	064039	064040
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:	1616	1616	1616	1616	1616
DEPTH:	83-85.2	83-85.2	89.2-90.5	103-104.	103-104.
DATE COLLECTED:	26-JUN-91	26-JUN-91	26-JUN-91	28-JUN-91	28-JUN-91
NORTH COORDINATE:	480469.31	480469.31	480469.31	480469.31	480469.31
EAST COORDINATE:	1378315.91	1378315.91	1378315.91	1378315.91	1378315.91
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.00 %		NV				10.90 %		NV	14.00 %		NV			
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U							1.80 UG/L		U
2,4-D				10.00 UG/L		U							10.00 UG/L		U
INORGANICS															
ARSENIC				0.25 MG/L		U							0.25 MG/L		U
BARIUM				1.11 MG/L		-							2.15 MG/L		J
CADMIUM				0.01 MG/L		U							0.01 MG/L		-
CHROMIUM				0.11 MG/L		-							0.25 MG/L		-
LEAD				0.10 MG/L		-							0.21 MG/L		J
MERCURY				0.00 MG/L		U							0.00 MG/L		U
SELENIUM				0.15 MG/L		-							0.40 MG/L		U
SILVER				0.10 MG/L		-							0.23 MG/L		-
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U							20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U							0.50 UG/L		U
ENDRIN				0.10 UG/L		U							0.10 UG/L		U
GAMMA-BHC (LINDANE)				0.05 UG/L		U							0.05 UG/L		U
GAMMA-CHLORDANE				0.50 UG/L		U							0.50 UG/L		U
HEPTACHLOR				0.05 UG/L		U							0.05 UG/L		U
HEPTACHLOR EPOXIDE				0.05 UG/L		U							0.05 UG/L		U

SAMPLE NUMBER:	064030			064031			064034			064039			064040		
LAB:				IT									IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			-			NONE-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															
METHOXYCHLOR				0.50 UG/L		U							0.50 UG/L		U
TOXAPHENE				1.00 UG/L		U							1.00 UG/L		UR
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U							20.00 UG/L		U
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U							100.00 UG/L		U
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U							20.00 UG/L		U
2,4-DINITROTOLUENE				20.00 UG/L		U							20.00 UG/L		U
2-METHYLPHENOL				20.00 UG/L		U							20.00 UG/L		U
4-METHYLPHENOL				20.00 UG/L		U							20.00 UG/L		U
HEXACHLOROBENZENE				20.00 UG/L		U							20.00 UG/L		U
HEXACHLOROBUTADIENE				20.00 UG/L		U							20.00 UG/L		U
HEXACHLOROETHANE				20.00 UG/L		U							20.00 UG/L		U
NITROBENZENE				20.00 UG/L		U							20.00 UG/L		U
PENTACHLOROPHENOL				100.00 UG/L		U							100.00 UG/L		U
PYRIDINE				20.00 UG/L		U							20.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U							20.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U							20.00 UG/L		U
2-BUTANONE				10.00 UG/L		U							40.00 UG/L		U
BENZENE				5.00 UG/L		U							20.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		U							20.00 UG/L		U
CHLOROBENZENE				5.00 UG/L		U							20.00 UG/L		U
CHLOROFORM				5.00 UG/L		U							20.00 UG/L		U
TETRACHLOROETHENE				2.00 UG/L		U							20.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U							20.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U							40.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	064043	064003	064102	064103	064107
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:	1616	1617	1618	1618	1618
DEPTH:	106.-108	61-62.2	47.5-48.5	47.5-48.5	51.2-52.5
DATE COLLECTED:	28-JUN-91	04-MAY-91	29-JUL-91	29-JUL-91	30-JUL-91
NORTH COORDINATE:	480469.31	480309.37	480307.07	480307.07	480307.07
EAST COORDINATE:	1378315.91	1378393.37	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.00 %		NV	9.60 %		NV	17.00 %		NV				23.50 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U			
2,4-D										10.00 UG/L		U			
INORGANICS															
ARSENIC										0.11 MG/L		-			
BARIUM										0.32 MG/L		-			
CADMIUM										0.00 MG/L		U			
CHROMIUM										0.02 MG/L		-			
LEAD										0.04 MG/L		U			
MERCURY										0.00 MG/L		U			
SELENIUM										0.10 MG/L		-			
SILVER										0.01 MG/L		-			
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		UJ			
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		UR			
ENDRIN										0.10 UG/L		UR			
GAMMA-BHC (LINDANE)										0.05 UG/L		UR			
GAMMA-CHLORDANE										0.50 UG/L		UR			
HEPTACHLOR										0.05 UG/L		UR			
HEPTACHLOR EPOXIDE										0.05 UG/L		UR			

SAMPLE NUMBER:	064043			064003			064102			064103			064107		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
METHOXYCHLOR										0.50 UG/L		UR			
TOXAPHENE										1.00 UG/L		UR			
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UJ			
2,4-DINITROTOLUENE										20.00 UG/L		U			
2-METHYLPHENOL										20.00 UG/L		UJ			
4-METHYLPHENOL										20.00 UG/L		UJ			
HEXACHLOROBENZENE										20.00 UG/L		U			
HEXACHLOROBUTADIENE										20.00 UG/L		U			
HEXACHLOROETHANE										20.00 UG/L		U			
NITROBENZENE										20.00 UG/L		U			
PENTACHLOROPHENOL										15.00 UG/L		J			
PYRIDINE										20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U			
1,2-DICHLOROETHANE										5.00 UG/L		U			
2-BUTANONE										1.00 UG/L		J			
BENZENE										5.00 UG/L		U			
CARBON TETRACHLORIDE										5.00 UG/L		U			
CHLOROBENZENE										5.00 UG/L		U			
CHLOROFORM										5.00 UG/L		U			
TETRACHLOROETHENE										5.00 UG/L		U			
TRICHLOROETHENE										5.00 UG/L		U			
VINYL CHLORIDE										10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	064112			064117			064123			064127			064134		
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:	1618			1618			1618			1618			1618		
DEPTH:	67.5-70			71.2-72.5			87.5-90			91.2-92.5			105-107.		
DATE COLLECTED:	30-JUL-91			31-JUL-91			01-AUG-91			01-AUG-91			02-AUG-91		
NORTH COORDINATE:	480307.07			480307.07			480307.07			480307.07			480307.07		
EAST COORDINATE:	1378575.33			1378575.33			1378575.33			1378575.33			1378575.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	22.00 %		NV	20.20 %		NV	17.00 %		NV	21.30 %		NV	18.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	064138	064146	064147	064150	064067
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:	1618	1618	1618	1618	1619
DEPTH:	108.-110	125-127.	125-127.	128.-130	57.5-60
DATE COLLECTED:	02-AUG-91	03-AUG-91	03-AUG-91	03-AUG-91	20-JUL-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480412.98
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378593.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.80 %		NV	19.00 %		NV				22.80 %		NV	16.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)							1.80 UG/L		U						
2,4-D							10.00 UG/L		U						
INORGANICS															
ARSENIC							0.25 MG/L		UR						
BARIUM							0.50 MG/L		R						
CADMIUM							0.02 MG/L		-						
CHROMIUM							0.12 MG/L		R						
LEAD							0.18 MG/L		R						
MERCURY							0.00 MG/L		UR						
SELENIUM							0.19 MG/L		R						
SILVER							0.10 MG/L		R						
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		UJ						
PESTICIDES															
4,4'-DDD							0.10 UG/L		U						
4,4'-DDE							0.10 UG/L		U						
4,4'-DDT							0.10 UG/L		U						
ALDRIN							0.05 UG/L		U						
ALPHA-BHC							0.05 UG/L		U						
ALPHA-CHLORDANE							0.50 UG/L		U						

SAMPLE NUMBER:	064138			064146			064147			064150			064067		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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															
AROCLOR-1016							0.50 UG/L		U						
AROCLOR-1221							0.50 UG/L		U						
AROCLOR-1232							0.50 UG/L		U						
AROCLOR-1242							0.50 UG/L		U						
AROCLOR-1248							0.50 UG/L		U						
AROCLOR-1254							1.00 UG/L		U						
AROCLOR-1260							1.00 UG/L		U						
BETA-BHC							0.05 UG/L		U						
DELTA-BHC							0.05 UG/L		U						
DIELDRIN							0.10 UG/L		U						
ENDOSULFAN II							0.10 UG/L		U						
ENDOSULFAN SULFATE							0.10 UG/L		U						
ENDOSULFAN-I							0.05 UG/L		U						
ENDRIN							0.10 UG/L		U						
ENDRIN KETONE							0.10 UG/L		U						
GAMMA-BHC (LINDANE)							0.05 UG/L		U						
GAMMA-CHLORDANE							0.50 UG/L		U						
HEPTACHLOR							0.05 UG/L		U						
HEPTACHLOR EPOXIDE							0.05 UG/L		U						
METHOXYCHLOR							0.50 UG/L		U						
TOXAPHENE							1.00 UG/L		U						
SEMIVOLATILES															
1,4-DICHLOROBENZENE							20.00 UG/L		UR						
2,4,5-TRICHLOROPHENOL							100.00 UG/L		UR						
2,4,6-TRICHLOROPHENOL							20.00 UG/L		UJ						
2,4-DINITROTOLUENE							20.00 UG/L		UR						
2-METHYLPHENOL							20.00 UG/L		UJ						
4-METHYLPHENOL							20.00 UG/L		UJ						
HEXACHLOROBENZENE							20.00 UG/L		UR						
HEXACHLOROBUTADIENE							20.00 UG/L		UR						
HEXACHLOROETHANE							20.00 UG/L		UR						
NITROBENZENE							20.00 UG/L		UR						
PENTACHLOROPHENOL							100.00 UG/L		UR						
PYRIDINE							20.00 UG/L		UJ						
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U						
1,2-DICHLOROETHANE							5.00 UG/L		U						
2-BUTANONE							1.00 UG/L		J						
BENZENE							5.00 UG/L		U						
CARBON TETRACHLORIDE							5.00 UG/L		U						
CHLOROBENZENE							5.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	064138			064146			064147			064150			064067		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
VOLATILES															
CHLOROFORM							5.00 UG/L		U						
TETRACHLOROETHENE							5.00 UG/L		U						
TRICHLOROETHENE							5.00 UG/L		U						
VINYL CHLORIDE							10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	064068	064079	064085	099461	099462
TASK:	40.03.01	40.03.01	40.03.01	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1619	1619	1619	1620	1620
DEPTH:	57.5-60	81.2-82.5	103.-105	3-4	4-5
DATE COLLECTED:	20-JUL-91	23-JUL-91	25-JUL-91	15-MAY-91	15-MAY-91
NORTH COORDINATE:	480412.98	480412.98	480412.98	480402.83	480402.83
EAST COORDINATE:	1378593.22	1378593.22	1378593.22	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				28.30 %		NV	12.50 %		NV	22.40 %		NV	17.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U												
2,4-D	10.00 UG/L		U												
INORGANICS															
ARSENIC	0.05 MG/L		UR												
BARIUM	0.65 MG/L		R												
CADMIUM	0.01 MG/L		R												
CHROMIUM	0.09 MG/L		R												
LEAD	0.09 MG/L		R												
MERCURY	0.00 MG/L		UR												
SELENIUM	0.11 MG/L		R												
SILVER	0.09 MG/L		R												
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		U												
PESTICIDES															
ALPHA-CHLORDANE	1.00 UG/L		U												
ENDRIN	0.10 UG/L		UR												
GAMMA-BHC (LINDANE)	0.05 UG/L		UR												
GAMMA-CHLORDANE	0.50 UG/L		UR												
HEPTACHLOR	0.05 UG/L		UR												
HEPTACHLOR EPOXIDE	0.10 UG/L		U												

SAMPLE NUMBER:	064068			064079			064085			099461			099462		
LAB:	IT														
SUFFIX/FILTERFLAG:	DL-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															
METHOXYCHLOR	1.00 UG/L		U												
TOXAPHENE	1.00 UG/L		UR												
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UR												
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UR												
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UR												
2,4-DINITROTOLUENE	20.00 UG/L		UR												
2-METHYLPHENOL	20.00 UG/L		UR												
4-METHYLPHENOL	20.00 UG/L		UR												
HEXACHLOROBENZENE	20.00 UG/L		UR												
HEXACHLOROBUTADIENE	20.00 UG/L		UR												
HEXACHLOROETHANE	20.00 UG/L		UR												
NITROBENZENE	20.00 UG/L		UR												
PENTACHLOROPHENOL	100.00 UG/L		UR												
PYRIDINE	20.00 UG/L		U												
VOLATILES															
1,1-DICHLOROETHENE	20.00 UG/L		UR												
1,2-DICHLOROETHANE	20.00 UG/L		UR												
2-BUTANONE	40.00 UG/L		UR												
BENZENE	20.00 UG/L		UR												
CARBON TETRACHLORIDE	20.00 UG/L		UR												
CHLOROBENZENE	20.00 UG/L		UR												
CHLOROFORM	20.00 UG/L		UR												
TETRACHLOROETHENE	20.00 UG/L		UR												
TRICHLOROETHENE	20.00 UG/L		UR												
VINYL CHLORIDE	40.00 UG/L		UR												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099468	099483	099484	099489	099493
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1620
DEPTH:	-5	15-16	16-17	-16	-16
DATE COLLECTED:	15-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480402.83
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	18.00 %		NV	22.30 %		NV	18.00 %		NV			
VOLATILES															
1,1-DICHLOROETHENE													5.00 UG/L		U
1,2-DICHLOROETHANE													5.00 UG/L		U
2-BUTANONE													10.00 UG/L		UJ
BENZENE													5.00 UG/L		U
CARBON TETRACHLORIDE													5.00 UG/L		U
CHLOROBENZENE													5.00 UG/L		U
CHLOROFORM													5.00 UG/L		U
TETRACHLOROETHENE													2.00 UG/L		J
TRICHLOROETHENE													5.00 UG/L		U
VINYL CHLORIDE													10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099495	099496	099501	099517	099530
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1621
DEPTH:	-16	-16	22-23	-21	2-3
DATE COLLECTED:	16-MAY-91	16-MAY-91	17-MAY-91	17-MAY-91	21-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480517.8
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							22.50 %		NV	18.00 %		NV	24.10 %		NV
INORGANICS															
ARSENIC				0.25 MG/L		U									
BARIUM				1.57 MG/L		-									
CADMIUM				11.40 MG/L		-									
CHROMIUM				81.80 MG/L		-									
LEAD				0.20 MG/L		U									
MERCURY				0.00 MG/L		U									
SELENIUM				0.40 MG/L		U									
SILVER				112.00 MG/L		-									
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UJ												
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ												
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ												
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UJ												
2,4-DINITROTOLUENE	20.00 UG/L		UJ												
2-METHYLPHENOL	20.00 UG/L		UJ												
4-METHYLPHENOL	20.00 UG/L		UJ												
HEXACHLOROBENZENE	20.00 UG/L		UJ												
HEXACHLOROBUTADIENE	20.00 UG/L		UJ												
HEXACHLOROETHANE	20.00 UG/L		UJ												
NITROBENZENE	20.00 UG/L		UJ												
PENTACHLOROPHENOL	100.00 UG/L		UJ												

SAMPLE NUMBER:	099495			099496			099501			099517			099530		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES	.														
PYRIDINE	20.00 UG/L		UJ												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099533	099541	099558	099562	099563
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	5-6	-6	-6	-6	-6
DATE COLLECTED:	21-MAY-91	21-MAY-91	22-MAY-91	22-MAY-91	22-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	17.00 %		NV	19.00 %		NV						
INORGANICS															
ARSENIC													0.25 MG/L		UJ
BARIUM													0.71 MG/L		J
CADMIUM													0.01 MG/L		UJ
CHROMIUM													0.08 MG/L		J
LEAD													0.20 MG/L		UJ
MERCURY													0.00 MG/L		UJ
SELENIUM													0.40 MG/L		UJ
SILVER													0.11 MG/L		UJ
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		UJ			
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		UJ			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UJ			
2,4-DINITROTOLUENE										20.00 UG/L		UJ			
2-METHYLPHENOL										20.00 UG/L		UJ			
4-METHYLPHENOL										20.00 UG/L		UJ			
HEXACHLOROBENZENE										20.00 UG/L		UJ			
HEXACHLOROBUTADIENE										20.00 UG/L		UJ			
HEXACHLOROETHANE										20.00 UG/L		UJ			
NITROBENZENE										20.00 UG/L		UJ			
PENTACHLOROPHENOL										5.00 UG/L		J			

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SAMPLE NUMBER:	099533			099541			099558			099562			099563		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
SEMIVOLATILES															
PYRIDINE										20.00 UG/L		UJ			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099579	099548	099550	099572	099573
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	-6	13-14	15-16	25-26	26-27
DATE COLLECTED:	23-MAY-91	22-MAY-91	22-MAY-91	23-MAY-91	22-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	18.00 %		NV	16.00 %		NV	20.00 %		NV	22.00 %		NV
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U						
1,2-DICHLOROETHANE							5.00 UG/L		U						
2-BUTANONE							10.00 UG/L		U						
BENZENE							5.00 UG/L		U						
CARBON TETRACHLORIDE							5.00 UG/L		U						
CHLOROBENZENE							5.00 UG/L		U						
CHLOROFORM							5.00 UG/L		U						
TETRACHLOROETHENE							5.00 UG/L		U						
TRICHLOROETHENE							5.00 UG/L		U						
VINYL CHLORIDE							10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099588			099590			099593			099600			099602		
TASK:	40.03.02			40.03.02			40.03.02			40.03.02			40.03.02		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1622			1622			1622			1622			1622		
DEPTH:	0-1			2-3			0-10			13-14			15-16		
DATE COLLECTED:	29-MAY-91			29-MAY-91			29-MAY-91			30-MAY-91			30-MAY-91		
NORTH COORDINATE:	480401.61			480401.61			480401.61			480401.61			480401.61		
EAST COORDINATE:	1378528.95			1378528.95			1378528.95			1378528.95			1378528.95		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	17.00 %		NV	24.80 %		NV	17.00 %		NV				14.00 %		NV
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U			
1,2-DICHLOROETHANE										5.00 UG/L		U			
2-BUTANONE										6.00 UG/L		J			
BENZENE										5.00 UG/L		U			
CARBON TETRACHLORIDE										5.00 UG/L		U			
CHLOROBENZENE										5.00 UG/L		U			
CHLOROFORM										5.00 UG/L		U			
TETRACHLOROETHENE										5.00 UG/L		U			
TRICHLOROETHENE										5.00 UG/L		U			
VINYL CHLORIDE										10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099603	099608	099612	099617	099619
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1622	1622	1622	1622	1622
DEPTH:	16-17	10-20	10-20	23-24	25-26
DATE COLLECTED:	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91	31-MAY-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.10 %		NV	14.00 %		NV				23.40 %		NV	18.00 %		NV
INORGANICS															
ARSENIC							0.25 MG/L		U						
BARIUM							1.18 MG/L		-						
CADMIUM							0.01 MG/L		U						
CHROMIUM							0.09 MG/L		-						
LEAD							0.20 MG/L		U						
MERCURY							0.00 MG/L		U						
SELENIUM							0.40 MG/L		U						
SILVER							0.12 MG/L		-						
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		U						
SEMIVOLATILES															
1,4-DICHLOROBENZENE							20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL							100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL							20.00 UG/L		U						
2,4-DINITROTOLUENE							20.00 UG/L		U						
2-METHYLPHENOL							20.00 UG/L		U						
4-METHYLPHENOL							20.00 UG/L		U						
HEXACHLOROBENZENE							20.00 UG/L		U						
HEXACHLOROBUTADIENE							20.00 UG/L		U						
HEXACHLOROETHANE							20.00 UG/L		U						
NITROBENZENE							20.00 UG/L		U						
PENTACHLOROPHENOL							6.00 UG/L		J						

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SAMPLE NUMBER:	099603			099608			099612			099617			099619		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
PYRIDINE							20.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099625	099634	099653	099654	099660
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1622	1623	1623	1623	1623
DEPTH:	20-30	-6	-15	-16	-16
DATE COLLECTED:	31-MAY-91	03-JUN-91	04-JUN-91	04-JUN-91	04-JUN-91
NORTH COORDINATE:	480401.61	480515.1	480515.1	480515.1	480515.1
EAST COORDINATE:	1378528.95	1378532.07	1378532.07	1378532.07	1378532.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.00 %		NV	16.80 %		NV	26.80 %		NV	17.00 %		NV	17.00 %		NV
VOLATILES															
1,1,1-TRICHLOROETHANE										6000.00 UG/L		U			
1,1,2,2-TETRACHLOROETHANE										6000.00 UG/L		U			
1,1,2-TRICHLOROETHANE										6000.00 UG/L		U			
1,1-DICHLOROETHANE										6000.00 UG/L		U			
1,1-DICHLOROETHENE										6000.00 UG/L		U			
1,2-DICHLOROETHANE										6000.00 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										6000.00 UG/L		U			
1,2-DICHLOROPROPANE										6000.00 UG/L		U			
2-BUTANONE										12000.00 UG/L		U			
2-HEXANONE										12000.00 UG/L		U			
4-METHYL-2-PENTANONE										12000.00 UG/L		U			
ACETONE										13000.00 UG/L		R			
BENZENE										6000.00 UG/L		U			
BROMODICHLOROMETHANE										6000.00 UG/L		U			
BROMOFORM										6000.00 UG/L		U			
BROMOMETHANE										12000.00 UG/L		UJ			
CARBON DISULFIDE										6000.00 UG/L		UJ			
CARBON TETRACHLORIDE										6000.00 UG/L		U			
CHLOROBENZENE										6000.00 UG/L		U			
CHLOROETHANE										12000.00 UG/L		U			
CHLOROFORM										6000.00 UG/L		U			
CHLOROMETHANE										12000.00 UG/L		UJ			
CIS-1,3-DICHLOROPROPENE										6000.00 UG/L		U			
DIBROMOCHLOROMETHANE										6000.00 UG/L		U			
ETHYLBENZENE										6000.00 UG/L		U			
METHYLENE CHLORIDE										6000.00 UG/L		U			

SAMPLE NUMBER:	099625			099634			099653			099654			099660		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
VOLATILES															
STYRENE										6000.00 UG/L		U			
TETRACHLOROETHENE										6000.00 UG/L		U			
TOLUENE										6000.00 UG/L		J			
TRANS-1,3-DICHLOROPROPENE										6000.00 UG/L		U			
TRICHLOROETHENE										6000.00 UG/L		U			
VINYL ACETATE										12000.00 UG/L		U			
VINYL CHLORIDE										12000.00 UG/L		U			
XYLENES, TOTAL										6000.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099663	099669	099676	000837	033354
TASK:	40.03.02	40.03.02	40.03.02	50.03.04	3.2
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1623	1623	1623	1643	1643
DEPTH:	-16	-24	-24	-	-
DATE COLLECTED:	04-JUN-91	05-JUN-91	05-JUN-91	11-AUG-91	08-NOV-90
NORTH COORDINATE:	480515.1	480515.1	480515.1	481890.76	481890.76
EAST COORDINATE:	1378532.07	1378532.07	1378532.07	1378724.03	1378724.03
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				17.00 %		NV	17.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										17.00 UG/L		U	2.00 UG/L		U
2,4-D										120.00 UG/L		U	13.00 UG/L		U
INORGANICS															
ARSENIC	2.50 MG/L		U							0.05 MG/L		U	0.18 MG/L		U
BARIUM	1.22 MG/L		-							1.03 MG/L		U	0.67 MG/L		-
CADMIUM	0.01 MG/L		U							0.00 MG/L		U	0.00 MG/L		U
CHROMIUM	0.05 MG/L		-							0.00 MG/L		U	0.01 MG/L		U
LEAD	0.20 MG/L		U							0.04 MG/L		U	0.04 MG/L		U
MERCURY	0.00 MG/L		U							0.00 MG/L		U	0.00 MG/L		U
SELENIUM	0.40 MG/L		U							0.07 MG/L		U	0.15 MG/L		U
SILVER	0.10 MG/L		-							0.00 MG/L		U	0.01 MG/L		-
No sort code listed.															
3-METHYLPHENOL	10.00 UG/L		U												
PESTICIDES															
ALPHA-CHLORDANE													0.50 UG/L		U
CHLORDANE										0.70 UG/L		U	1.00 UG/L		U
ENDRIN										0.30 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)										0.20 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE													0.50 UG/L		U
HEPTACHLOR										0.15 UG/L		U	0.05 UG/L		

SAMPLE NUMBER:	099663			099669			099676			000837			033354		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE										4.20 UG/L		U	0.05 UG/L		U
METHOXYCHLOR										8.80 UG/L		U	0.50 UG/L		U
TOXAPHENE										12.00 UG/L		U	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE	10.00 UG/L		U												
2,4,5-TRICHLOROPHENOL	50.00 UG/L		U												
2,4,6-TRICHLOROPHENOL	10.00 UG/L		U												
2,4-DINITROTOLUENE	10.00 UG/L		U												
2-METHYLPHENOL	10.00 UG/L		U												
4-METHYLPHENOL	10.00 UG/L		U												
HEXACHLOROBENZENE	10.00 UG/L		U												
HEXACHLOROBUTADIENE	10.00 UG/L		U												
HEXACHLOROETHANE	10.00 UG/L		U												
NITROBENZENE	10.00 UG/L		U												
PENTACHLOROPHENOL	50.00 UG/L		U												
PYRIDINE	10.00 UG/L		U												
VOLATILES															
1,1-DICHLOROETHENE										50.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE										50.00 UG/L		U	5.00 UG/L		U
2-BUTANONE										100.00 UG/L		U	10.00 UG/L		U
BENZENE										50.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE										50.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE										50.00 UG/L		U	5.00 UG/L		U
CHLOROFORM										50.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE										50.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE										50.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE										100.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	033216	033060	033041	057002	057006
TASK:	3.2	3.2	3.2	3.7	3.7
LAB:	IT	IT	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	1644	1645	1646	1669	1671
DEPTH:	-	-	-	0-.5	0-.5
DATE COLLECTED:	08-OCT-90	13-SEP-90	09-SEP-90	04-DEC-90	04-DEC-90
NORTH COORDINATE:	481616.21	481583.25	481743.08	482657.08	482611.28
EAST COORDINATE:	1378641.29	1379060.26	1379094.86	1380738.52	1380736.91
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	R-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															
% MOISTURE										12.00 %		NV	19.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		UJ	2.00 UG/L		U	2.00 UG/L		U						
2,4-D	12.50 UG/L		UJ	13.00 UG/L		U	12.00 UG/L		U						
INORGANICS															
ARSENIC	0.25 MG/L		U	0.09 MG/L		U	0.11 MG/L		U						
BARIUM	1.59 MG/L		J	1.08 MG/L		-	1.20 MG/L		-						
CADMIUM	0.02 MG/L		J	0.01 MG/L		U	0.00 MG/L		-						
CHROMIUM	0.05 MG/L		J	0.01 MG/L		U	0.01 MG/L		U						
LEAD	0.79 MG/L		J	0.04 MG/L		U	0.04 MG/L		U						
MERCURY	0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		U						
SELENIUM	0.16 MG/L		U	0.08 MG/L		U	0.11 MG/L		U						
SILVER	0.02 MG/L		J	0.01 MG/L		U	0.01 MG/L		U						
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		U						
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		UJ												
CHLORDANE	1.00 UG/L		UJ	0.60 UG/L		U	0.50 UG/L		U						
ENDRIN	0.10 UG/L		UJ	0.10 UG/L		U	0.10 UG/L		U						
GAMMA-BHC (LINDANE)	0.05 UG/L		UJ	0.06 UG/L		U	0.05 UG/L		U						
GAMMA-CHLORDANE	0.50 UG/L		UJ												
HEPTACHLOR	0.05 UG/L		UJ	0.06 UG/L		U	0.05 UG/L		U						

SAMPLE NUMBER:	033216			033060			033041			057002			057006		
LAB:	IT			IT			IT-KNOX								
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE	0.05 UG/L		UJ	0.06 UG/L		U	0.05 UG/L		U						
METHOXYCHLOR	0.50 UG/L		UJ	0.60 UG/L		U	0.50 UG/L		U						
TOXAPHENE	1.00 UG/L		UJ	1.00 UG/L		U	1.00 UG/L		U						
SEMIVOLATILES															
1,4-DICHLOROBENZENE				11.00 UG/L		U	20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL				56.00 UG/L		U	100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL				11.00 UG/L		U	20.00 UG/L		U						
2,4-DINITROTOLUENE				11.00 UG/L		U	20.00 UG/L		U						
2-METHYLPHENOL							20.00 UG/L		U						
4-METHYLPHENOL							20.00 UG/L		U						
HEXACHLOROBENZENE				11.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBUTADIENE				11.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROETHANE				11.00 UG/L		U	20.00 UG/L		U						
NITROBENZENE				11.00 UG/L		U	20.00 UG/L		U						
PENTACHLOROPHENOL				56.00 UG/L		U	100.00 UG/L		U						
PYRIDINE				11.00 UG/L		U	20.00 UG/L		U						
TOTAL METHYLPHENOL				11.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U						
2-BUTANONE				3.00 UG/L		U	10.00 UG/L		U						
BENZENE				5.00 UG/L		U	5.00 UG/L		U						
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U						
TETRACHLOROETHENE				2.00 UG/L		U	5.00 UG/L		U						
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057008	057010	057527	057493	057497
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	1672	1673	1674	1674	1674
DEPTH:	0-.5	0-.5	-	4-4.5	6-6.5
DATE COLLECTED:	04-DEC-90	04-DEC-90	20-DEC-90	16-DEC-90	16-DEC-90
NORTH COORDINATE:	482590.12	482584.41	479899.84	479899.84	479899.84
EAST COORDINATE:	1380737.23	1380757.21	1379930.97	1379930.97	1379930.97
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-NA	DL-NA	R-NA	NONE-NA	DL-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															
% MOISTURE	39.00 %		NV	17.00 UG/KG		NV				11.00 %		NV	18.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)							3.60 UG/L		U						
2,4-D							24.00 UG/L		U						
INORGANICS															
ARSENIC							0.25 MG/L		U						
BARIUM							1.07 MG/L		-						
CADMIUM							0.01 MG/L		-						
CHROMIUM							0.15 MG/L		-						
LEAD							0.20 MG/L		U						
MERCURY							0.00 MG/L		U						
SELENIUM							0.40 MG/L		U						
SILVER							0.15 MG/L		-						
PESTICIDES															
ALPHA-CHLORDANE							1.00 UG/L		U						
ENDRIN							0.20 UG/L		U						
GAMMA-BHC (LINDANE)							0.10 UG/L		U						
GAMMA-CHLORDANE							1.00 UG/L		U						
HEPTACHLOR							0.10 UG/L		U						
HEPTACHLOR EPOXIDE							0.10 UG/L		U						
METHOXYCHLOR							1.00 UG/L		U						
TOXAPHENE							2.00 UG/L		U						

VOLATILES

1,1-DICHLOROETHENE 5.00 UG/L UJ
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057008			057010			057527			057493			057497		
LAB:							IT-KNOX								
SUFFIX/FILTERFLAG:	-			-			R-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)
VOLATILES															
1,2-DICHLOROETHANE							5.00 UG/L		UJ						
2-BUTANONE							10.00 UG/L		UJ						
BENZENE							5.00 UG/L		UJ						
CARBON TETRACHLORIDE							5.00 UG/L		UJ						
CHLOROBENZENE							5.00 UG/L		UJ						
CHLOROFORM							5.00 UG/L		UJ						
TETRACHLOROETHENE							460.00 UG/L		R						
TRICHLOROETHENE							5.00 UG/L		UJ						
VINYL CHLORIDE							10.00 UG/L		UJ						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057508	057518	057520	057529	057571
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1674	1674	1674	1675	1676
DEPTH:	11.5-12	16.5-17	17.5-18	-	-
DATE COLLECTED:	17-DEC-90	18-DEC-90	18-DEC-90	09-MAR-91	09-MAR-91
NORTH COORDINATE:	479899.84	479899.84	479899.84	481182.8	481187.51
EAST COORDINATE:	1379930.97	1379930.97	1379930.97	1381060.63	1380979.41
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.00 %		NV	11.00 %		NV									
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		UNV	1.80 UG/L		U
2,4-D										12.00 UG/L		UNV	12.00 UG/L		U
INORGANICS															
ARSENIC										0.33 MG/L		NV	0.45 MG/L		-
BARIUM										0.78 MG/L		NV	0.83 MG/L		-
CADMIUM										0.02 MG/L		NV	0.02 MG/L		-
CHROMIUM										0.08 MG/L		NV	0.08 MG/L		-
LEAD										0.20 MG/L		UNV	0.20 MG/L		U
MERCURY										0.00 MG/L		UNV	0.00 MG/L		U
SELENIUM										0.40 MG/L		UNV	0.40 MG/L		U
SILVER										0.16 MG/L		NV	0.16 MG/L		-
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		UNV	20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		UNV	0.50 UG/L		U
ENDRIN										0.10 UG/L		UNV	0.10 UG/L		U
GAMMA-BHC (LINDANE)										0.05 UG/L		UNV	0.05 UG/L		U
GAMMA-CHLORDANE										0.50 UG/L		UNV	0.50 UG/L		U
HEPTACHLOR										0.05 UG/L		UNV	0.05 UG/L		U
HEPTACHLOR EPOXIDE										0.05 UG/L		UNV	0.05 UG/L		U

SAMPLE NUMBER:	057508			057518			057520			057529			057571		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	- .			-			-			NONE-NA			NONE-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															
METHOXYCHLOR										0.50 UG/L		UNV	0.50 UG/L		U
TOXAPHENE										1.00 UG/L		UNV	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		UNV	20.00 UG/L		U
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UNV	100.00 UG/L		U
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UNV	20.00 UG/L		U
2,4-DINITROTOLUENE										20.00 UG/L		UNV	20.00 UG/L		UJ
2-METHYLPHENOL										20.00 UG/L		UNV	20.00 UG/L		U
4-METHYLPHENOL										20.00 UG/L		UNV	20.00 UG/L		U
HEXACHLOROBENZENE										20.00 UG/L		UNV	20.00 UG/L		U
HEXACHLOROBUTADIENE										20.00 UG/L		UNV	20.00 UG/L		U
HEXACHLOROETHANE										20.00 UG/L		UNV	20.00 UG/L		UJ
NITROBENZENE										20.00 UG/L		UNV	20.00 UG/L		U
PENTACHLOROPHENOL										100.00 UG/L		UNV	100.00 UG/L		UJ
PYRIDINE										20.00 UG/L		UNV	20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U	5.00 UG/L		UNV	5.00 UG/L		U
1,2-DICHLOROETHANE							5.00 UG/L		U	5.00 UG/L		UNV	5.00 UG/L		U
2-BUTANONE							10.00 UG/L		U	10.00 UG/L		UNV	5.00 UG/L		R
BENZENE							5.00 UG/L		U	5.00 UG/L		UNV	5.00 UG/L		U
CARBON TETRACHLORIDE							5.00 UG/L		U	5.00 UG/L		UNV	5.00 UG/L		UJ
CHLOROBENZENE							5.00 UG/L		U	5.00 UG/L		UNV	5.00 UG/L		U
CHLOROFORM							5.00 UG/L		U	5.00 UG/L		UNV	5.00 UG/L		U
TETRACHLOROETHENE							71.00 UG/L		-	5.00 UG/L		UNV	1.00 UG/L		J
TRICHLOROETHENE							3.00 UG/L		J	5.00 UG/L		UNV	5.00 UG/L		UJ
VINYL CHLORIDE							10.00 UG/L		U	10.00 UG/L		UNV	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057532	057535	057539	057550	057560
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1676	1676	1676	1676	1676
DEPTH:	.5-1	2-2.5	4-4.5	9.5-10	14.5-15
DATE COLLECTED:	08-MAR-91	08-MAR-91	09-MAR-91	09-MAR-91	10-MAR-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-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	9.00 % MOISTURE		NV	19.00 %		NV	9.00 % MOISTURE		NV	10.00 %		NV	9.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100422	067114	067115	067116	067118
TASK:	03.01.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1679	1708	1708	1708	1708
DEPTH:	0-.5	-	-	-	-
DATE COLLECTED:	27-JAN-92	17-JUN-91	17-JUN-91	17-JUN-91	17-JUN-91
NORTH COORDINATE:	483924.53	477710.64	477710.64	477710.64	477710.64
EAST COORDINATE:	1378264.61	1379166.88	1379166.88	1379166.88	1379166.88
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	22.00 %		NV												
ALKALINITY AS CACO3										60.00 MG/L		-			
AMMONIA										0.10 MG/L		U			
CHLORIDE										1.52 MG/L		J			
FLUORIDE										1.00 MG/L		J			
NITRATE										0.63 MG/L		J			
PH										8.79 SU		-			
PHOSPHATE										0.02 MG/L		U			
SULFATE										7.40 MG/L		J			
TOTAL ORGANIC CARBON										1.74 MG/L		-			
TOTAL ORGANIC NITROGEN										0.10 MG/L		U			
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U	1.80 UG/L		U						
2,4-D				10.00 UG/L		U	10.00 UG/L		U						
INORGANICS															
ALUMINUM										0.24 MG/L		-			
ANTIMONY										0.03 MG/L		U			
ARSENIC				0.07 MG/L		-	0.10 MG/L		-	0.01 MG/L		-	0.05 MG/L		UJ
BARIUM				1.06 MG/L		J	1.28 MG/L		J	0.25 MG/L		-	0.16 MG/L		JB
BERYLLIUM										0.00 MG/L		U			
CADMIUM				0.01 MG/L		J	0.01 MG/L		J	0.00 MG/L		U	0.01 MG/L		JB
CALCIUM										20.50 MG/L		-			
CHROMIUM				0.04 MG/L		-	0.09 MG/L		-	0.01 MG/L		-	0.08 MG/L		JB
COBALT										0.01 MG/L		U			
COPPER										0.01 MG/L		U			
IRON										0.07 MG/L		-			

SAMPLE NUMBER:	100422			067114			067115			067116			067118		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
INORGANICS															
LEAD				0.05 MG/L		-	0.08 MG/L		-	0.00 MG/L		-	0.10 MG/L		JB
MAGNESIUM										2.61 MG/L		-			
MANGANESE										0.00 MG/L		U			
MERCURY				0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
MOLYBDENUM										0.02 MG/L		-			
NICKEL										0.02 MG/L		U			
POTASSIUM										0.88 MG/L		-			
SELENIUM				0.10 MG/L		-	0.19 MG/L		-	0.08 MG/L		U	0.11 MG/L		JB
SILICON										2.34 MG/L		-			
SILVER				0.03 MG/L		-	0.08 MG/L		-	0.01 MG/L		U	0.07 MG/L		JB
SODIUM										1.79 MG/L		-			
THALLIUM										0.15 MG/L		U			
VANADIUM										0.02 MG/L		-			
ZINC										0.10 MG/L		-			
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		UR						
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U						
ENDRIN				0.10 UG/L		U	0.10 UG/L		U						
GAMMA-BHC (LINDANE)				0.05 UG/L		U	0.05 UG/L		U						
GAMMA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U						
HEPTACHLOR				0.05 UG/L		U	0.05 UG/L		U						
HEPTACHLOR EPOXIDE				0.05 UG/L		U	0.05 UG/L		U						
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		U						
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U						
RADIONUCLIDES															
RADIUM-226										1.00 PCI/L		UJ			
RADIUM-228										3.62 PCI/L	2.64	UJ			
NEPTUNIUM-237										1.00 PCI/L		U			
PLUTONIUM-239/240										1.00 PCI/L		U			
PLUTONIUM-238										1.00 PCI/L		U			
STRONTIUM-90										5.00 PCI/L		R			
TECHNETIUM-99										30.00 PCI/L		U			
RUTHENIUM-106										150.00 PCI/L		R			
CESIUM-137										20.00 PCI/L		R			
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		UR						

SAMPLE NUMBER:	100422			067114			067115			067116			067118		
LAB:				IT			IT								
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U	120.00 UG/L		UR						
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U	25.00 UG/L		UR						
2,4-DINITROTOLUENE				20.00 UG/L		U	20.00 UG/L		UR						
2-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		UR						
4-METHYLPHENOL				20.00 UG/L		U	25.00 UG/L		UR						
HEXACHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		UR						
HEXACHLOROBUTADIENE				20.00 UG/L		U	25.00 UG/L		UR						
HEXACHLOROETHANE				20.00 UG/L		U	25.00 UG/L		UR						
NITROBENZENE				20.00 UG/L		U	25.00 UG/L		UR						
PENTACHLOROPHENOL				100.00 UG/L		U	120.00 UG/L		UR						
PYRIDINE				20.00 UG/L		U	25.00 UG/L		UR						
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U						
2-BUTANONE				1.00 UG/L		J	2.00 UG/L		J						
BENZENE				5.00 UG/L		U	5.00 UG/L		U						
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U						
TETRACHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067096	067097	067098	067099	067119
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1708	1708	1708	1708	1708
DEPTH:	7.5-9	9-10.5	10.5-12	12-13.5	9-12
DATE COLLECTED:	14-JUN-91	15-JUN-91	15-JUN-91	16-JUN-91	17-JUN-91
NORTH COORDINATE:	477710.64	477710.64	477710.64	477710.64	477710.64
EAST COORDINATE:	1379166.88	1379166.88	1379166.88	1379166.88	1379166.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.00 %		NV	22.10 %		-	22.10 %		NV				30.30 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)										2.10 UG/L		U			
2,4-D										11.00 UG/L		U			
INORGANICS															
ARSENIC										0.08 MG/L		J			
BARIUM										1.91 MG/L		-			
CADMIUM										0.01 MG/L		J			
CHROMIUM										0.07 MG/L		-			
LEAD										0.10 MG/L		-			
MERCURY										0.00 MG/L		U			
SELENIUM										0.18 MG/L		-			
SILVER										0.05 MG/L		-			
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U			
ENDRIN										0.10 UG/L		U			
GAMMA-BHC (LINDANE)										0.05 UG/L		U			
GAMMA-CHLORDANE										0.50 UG/L		U			
HEPTACHLOR										0.05 UG/L		U			
HEPTACHLOR EPOXIDE										0.05 UG/L		U			

SAMPLE NUMBER:	067096			067097			067098			067099			067119		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
METHOXYCHLOR										0.50 UG/L		U			
TOXAPHENE										1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		U			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		U			
2,4-DINITROTOLUENE										20.00 UG/L		U			
2-METHYLPHENOL										20.00 UG/L		U			
4-METHYLPHENOL										20.00 UG/L		U			
HEXACHLOROBENZENE										20.00 UG/L		U			
HEXACHLOROBUTADIENE										20.00 UG/L		U			
HEXACHLOROETHANE										20.00 UG/L		U			
NITROBENZENE										20.00 UG/L		U			
PENTACHLOROPHENOL										100.00 UG/L		U			
PYRIDINE										20.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067102	067112	067064	067065	067071
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1708	1708	1709	1709	1709
DEPTH:	16.5-18	31.5-33	7.5-9	9-10.5	13.5-15
DATE COLLECTED:	16-JUN-91	16-JUN-91	06-JUN-91	06-JUN-91	06-JUN-91
NORTH COORDINATE:	477710.64	477710.64	477814.23	477814.23	477814.23
EAST COORDINATE:	1379166.88	1379166.88	1378969.43	1378969.43	1378969.43
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	R-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															
% MOISTURE	23.00 %		NV	19.00 %		NV	23.00 %		NV				22.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U			
2,4-D										12.00 UG/L		U			
INORGANICS															
ARSENIC										0.08 MG/L		-			
BARIUM										1.61 MG/L		-			
CADMIUM										0.00 MG/L		U			
CHROMIUM										0.01 MG/L		U			
LEAD										0.04 MG/L		U			
MERCURY										0.00 MG/L		U			
SELENIUM										0.09 MG/L		-			
SILVER										0.01 MG/L		U			
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U			
ENDRIN										0.10 UG/L		U			
GAMMA-BHC (LINDANE)										0.05 UG/L		U			
GAMMA-CHLORDANE										0.50 UG/L		U			
HEPTACHLOR										0.05 UG/L		U			
HEPTACHLOR EPOXIDE										0.05 UG/L		U			

SAMPLE NUMBER:	067102			067112			067064			067065			067071		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
METHOXYCHLOR										0.50 UG/L		U			
TOXAPHENE										1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		U			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		U			
2,4-DINITROTOLUENE										20.00 UG/L		U			
2-METHYLPHENOL										20.00 UG/L		U			
4-METHYLPHENOL										20.00 UG/L		U			
HEXACHLOROBENZENE										20.00 UG/L		U			
HEXACHLOROBUTADIENE										20.00 UG/L		U			
HEXACHLOROETHANE										20.00 UG/L		U			
NITROBENZENE										20.00 UG/L		U			
PENTACHLOROPHENOL										8.00 UG/L		J			
PYRIDINE										20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U			
1,2-DICHLOROETHANE										5.00 UG/L		U			
2-BUTANONE										10.00 UG/L		U			
BENZENE										5.00 UG/L		U			
CARBON TETRACHLORIDE										5.00 UG/L		U			
CHLOROBENZENE										5.00 UG/L		U			
CHLOROFORM										5.00 UG/L		U			
TETRACHLOROETHENE										5.00 UG/L		U			
TRICHLOROETHENE										5.00 UG/L		U			
VINYL CHLORIDE										10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067050	067051	067058	067029	067032
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1710	1710	1710	1710	1710
DEPTH:	-	-	-	4.5-5	9-10.5
DATE COLLECTED:	01-JUN-91	01-JUN-91	02-JUN-91	31-MAY-91	31-MAY-91
NORTH COORDINATE:	477931.49	477931.49	477931.49	477931.49	477931.49
EAST COORDINATE:	1378993.33	1378993.33	1378993.33	1378993.33	1378993.33
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	R-NA	R-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															
% MOISTURE										28.00 %		NV	25.00 %		NV
ALKALINITY AS CACO3	75.00 MG/L		-												
AMMONIA	0.10 MG/L		U												
CHLORIDE	1.78 MG/L		-												
FLUORIDE	0.68 MG/L		-												
NITRATE	0.10 MG/L		U												
PH	8.58 SU		-												
PHOSPHATE	0.02 MG/L		U												
SULFATE	24.90 MG/L		-												
TOTAL ORGANIC CARBON	2.11 MG/L		-												
TOTAL ORGANIC NITROGEN	0.10 MG/L		U												
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U	1.80 UG/L		U						
2,4-D				12.00 UG/L		U	12.00 UG/L		U						
INORGANICS															
ALUMINUM	0.38 MG/L		-												
ANTIMONY	0.08 MG/L		-												
ARSENIC	0.00 MG/L		-	0.14 MG/L		JB	0.13 MG/L		JB						
BARIUM	0.62 MG/L		-	1.44 MG/L		JB	0.81 MG/L		JB						
BERYLLIUM	0.00 MG/L		U												
CADMIUM	0.00 MG/L		U	0.00 MG/L		JB	0.00 MG/L		JB						
CALCIUM	23.10 MG/L		-												
CHROMIUM	0.01 MG/L		-	0.02 MG/L		U	0.04 MG/L		JB						
COBALT	0.01 MG/L		U												
COPPER	0.01 MG/L		U												
IRON	0.23 MG/L		-												

SAMPLE NUMBER:	067050			067051			067058			067029			067032		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
INORGANICS															
LEAD	0.01 MG/L		-	0.08 MG/L		U	0.05 MG/L		JB						
MAGNESIUM	5.06 MG/L		-												
MANGANESE	0.00 MG/L		U												
MERCURY	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		UJ						
MOLYBDENUM	0.02 MG/L		-												
NICKEL	0.02 MG/L		U												
POTASSIUM	3.77 MG/L		-												
SELENIUM	0.00 MG/L		-	0.16 MG/L		U	0.13 MG/L		-						
SILICON	4.52 MG/L		-												
SILVER	0.01 MG/L		U	0.04 MG/L		JB	0.03 MG/L		-						
SODIUM	4.88 MG/L		-												
THALLIUM	0.00 MG/L		U												
VANADIUM	0.01 MG/L		U												
ZINC	0.03 MG/L		-												
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U						
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U						
ENDRIN				0.10 UG/L		U	0.10 UG/L		U						
GAMMA-BHC (LINDANE)				0.05 UG/L		U	0.05 UG/L		U						
GAMMA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U						
HEPTACHLOR				0.05 UG/L		U	0.05 UG/L		U						
HEPTACHLOR EPOXIDE				0.05 UG/L		U	0.05 UG/L		U						
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		U						
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U						
RADIONUCLIDES															
URANIUM-238	139.00 PCI/L	19	J												
URANIUM, TOTAL	0.00 MG/KG		J												
URANIUM-234	126.00 PCI/L	17	J												
THORIUM-230	1.00 PCI/L		UJ												
RADIUM-226	1.00 PCI/L		U												
URANIUM-235/236	6.21 PCI/L	1.99	J												
THORIUM-232	1.00 PCI/L		UJ												
RADIUM-228	3.00 PCI/L		UJ												
THORIUM-228	1.00 PCI/L		UJ												
NEPTUNIUM-237	1.00 PCI/L		U												
PLUTONIUM-239/240	1.00 PCI/L		R												
PLUTONIUM-238	1.00 PCI/L		UJ												
STRONTIUM-90	5.00 PCI/L		R												

SAMPLE NUMBER:	067050			067051			067058			067029			067032		
LAB:	IT														
SUFFIX/FILTERFLAG:	-9-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)
RADIONUCLIDES															
TECHNETIUM-99	30.00 PCI/L		UJ												
RUTHENIUM-106	150.00 PCI/L		UJ												
CESIUM-137	20.00 PCI/L		UJ												
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U	20.00 UG/L		U						
2,4-DINITROTOLUENE				20.00 UG/L		U	20.00 UG/L		U						
2-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U						
4-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBUTADIENE				20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROETHANE				20.00 UG/L		U	20.00 UG/L		U						
NITROBENZENE				20.00 UG/L		U	20.00 UG/L		U						
PENTACHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U						
PYRIDINE				20.00 UG/L		U	20.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U						
2-BUTANONE				4.00 UG/L		J	6.00 UG/L		J						
BENZENE				5.00 UG/L		U	5.00 UG/L		U						
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U						
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U						
TETRACHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U						
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067038	067039	067047	067021	067025
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1710	1710	1710	1711	1711
DEPTH:	16.5-18	16.5-18	28.5-30	-	-
DATE COLLECTED:	01-JUN-91	01-JUN-91	01-JUN-91	29-MAY-91	30-MAY-91
NORTH COORDINATE:	477931.49	477931.49	477931.49	478126.52	478126.52
EAST COORDINATE:	1378993.33	1378993.33	1378993.33	1378968.88	1378968.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							11.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U	1.80 UG/L		U				1.80 UG/L		U	1.80 UG/L		U
2,4-D	12.00 UG/L		U	12.00 UG/L		U				12.00 UG/L		U	12.00 UG/L		U
INORGANICS															
ARSENIC	0.10 MG/L		JB	0.05 MG/L		U				0.45 MG/L		JB	0.09 MG/L		JB
BARIUM	1.86 MG/L		JB	0.33 MG/L		-				0.29 MG/L		JB	0.65 MG/L		JB
CADMIUM	0.00 MG/L		JB	0.00 MG/L		U				0.00 MG/L		U	0.00 MG/L		U
CHROMIUM	0.01 MG/L		U	0.01 MG/L		U				0.01 MG/L		U	0.02 MG/L		JB
LEAD	0.04 MG/L		U	0.04 MG/L		U				0.05 MG/L		JB	0.04 MG/L		U
MERCURY	0.00 MG/L		U	0.00 MG/L		U				0.00 MG/L		-	0.00 MG/L		U
SELENIUM	0.13 MG/L		JB	0.08 MG/L		U				0.11 MG/L		JB	0.11 MG/L		JB
SILVER	0.01 MG/L		U	0.01 MG/L		U				0.01 MG/L		U	0.02 MG/L		JB
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U
ENDRIN	0.10 UG/L		U	0.10 UG/L		U				0.10 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)	0.05 UG/L		U	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U
HEPTACHLOR	0.05 UG/L		U	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE	0.05 UG/L		U	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		U

SAMPLE NUMBER:	067038			067039			067047			067021			067025		
LAB:	IT			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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															
METHOXYCHLOR	0.50 UG/L		U	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U
TOXAPHENE	1.00 UG/L		U	1.00 UG/L		U				1.00 UG/L		U	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U							100.00 UG/L		U	100.00 UG/L		U
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
2,4-DINITROTOLUENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
2-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
4-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
HEXACHLOROBENZENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
HEXACHLOROBUTADIENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
HEXACHLOROETHANE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
NITROBENZENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
PENTACHLOROPHENOL	100.00 UG/L		U							100.00 UG/L		U	100.00 UG/L		U
PYRIDINE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE	10.00 UG/L		U							10.00 UG/L		U	10.00 UG/L		U
BENZENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE	10.00 UG/L		U							10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067009	067012	067015	067016	067017
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1711	1711	1711	1711	1711
DEPTH:	0-1.5	4.5-6	9-10.5	10.5-12	10.5-12
DATE COLLECTED:	23-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91
NORTH COORDINATE:	478126.52	478126.52	478126.52	478126.52	478126.52
EAST COORDINATE:	1378968.88	1378968.88	1378968.88	1378968.88	1378968.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				23.00 %		NV	30.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U	3.60 UG/L		U
2,4-D										12.00 UG/L		U	24.00 UG/L		U
INORGANICS															
ARSENIC										0.05 MG/L		U	0.05 MG/L		U
BARIUM										0.59 MG/L		JB	0.33 MG/L		-
CADMIUM										0.00 MG/L		U	0.00 MG/L		U
CHROMIUM										0.01 MG/L		U	0.01 MG/L		U
LEAD										0.04 MG/L		JB	0.04 MG/L		U
MERCURY										0.00 MG/L		U	0.00 MG/L		U
SELENIUM										0.08 MG/L		-	0.08 MG/L		U
SILVER										0.01 MG/L		U	0.01 MG/L		U
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U	0.50 UG/L		U
ENDRIN										0.10 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)										0.05 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE										0.50 UG/L		U	0.50 UG/L		U
HEPTACHLOR										0.05 UG/L		U	0.10 UG/L		UR
HEPTACHLOR EPOXIDE										0.05 UG/L		U	0.05 UG/L		U

SAMPLE NUMBER:	067009			067012			067015			067016			067017		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
METHOXYCHLOR										0.50 UG/L		U	0.50 UG/L		U
TOXAPHENE										1.00 UG/L		U	2.00 UG/L		UR
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		U			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		U			
2,4-DINITROTOLUENE										20.00 UG/L		U			
2-METHYLPHENOL										20.00 UG/L		U			
4-METHYLPHENOL										20.00 UG/L		U			
HEXACHLOROBENZENE										20.00 UG/L		U			
HEXACHLOROBUTADIENE										20.00 UG/L		U			
HEXACHLOROETHANE										20.00 UG/L		U			
NITROBENZENE										20.00 UG/L		U			
PENTACHLOROPHENOL										100.00 UG/L		U			
PYRIDINE										20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		UNV							5.00 UG/L		U			
1,2-DICHLOROETHANE	5.00 UG/L		UNV							5.00 UG/L		U			
2-BUTANONE	2.00 UG/L		NV							10.00 UG/L		U			
BENZENE	5.00 UG/L		UNV							5.00 UG/L		U			
CARBON TETRACHLORIDE	5.00 UG/L		UNV							5.00 UG/L		U			
CHLOROBENZENE	5.00 UG/L		UNV							5.00 UG/L		U			
CHLOROFORM	5.00 UG/L		UNV							5.00 UG/L		U			
TETRACHLOROETHENE	5.00 UG/L		UNV							5.00 UG/L		U			
TRICHLOROETHENE	5.00 UG/L		UNV							5.00 UG/L		U			
VINYL CHLORIDE	10.00 UG/L		UNV							10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067020	061319	061324	061329	061334
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1711	1712	1713	1714	1715
DEPTH:	18-19.5	1.5-2	1.5-2	1.5-2	1.5-2
DATE COLLECTED:	29-MAY-91	04-MAY-91	04-MAY-91	04-MAY-91	04-MAY-91
NORTH COORDINATE:	478126.52	477418.76	477342.63	477954.45	477901.68
EAST COORDINATE:	1378968.88	1379588.15	1379411.61	1379280.94	1379517.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	28.00 %		NV												
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U	1.80 UG/L		U	1.80 UG/L		U	1.80 UG/L		U
2,4-D				12.00 UG/L		U	12.00 UG/L		U	12.00 UG/L		U	12.00 UG/L		U
INORGANICS															
ARSENIC				0.33 MG/L		-	0.28 MG/L		-	0.25 MG/L		U	0.12 MG/L		-
BARIUM				1.19 MG/L		-	0.56 MG/L		-	1.04 MG/L		-	0.51 MG/L		-
CADMIUM				0.01 MG/L		-	0.02 MG/L		-	0.01 MG/L		-	0.00 MG/L		-
CHROMIUM				0.08 MG/L		-	0.10 MG/L		-	0.09 MG/L		-	0.02 MG/L		-
LEAD				0.20 MG/L		U	0.20 MG/L		U	0.20 MG/L		U	0.04 MG/L		U
MERCURY				0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
SELENIUM				0.40 MG/L		U	0.40 MG/L		U	0.40 MG/L		U	0.11 MG/L		-
SILVER				0.14 MG/L		-	0.14 MG/L		-	0.13 MG/L		-	0.02 MG/L		-
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U
ENDRIN				0.10 UG/L		U	0.10 UG/L		U	0.10 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)				0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U
HEPTACHLOR				0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE				0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U

SAMPLE NUMBER:	067020			061319			061324			061329			061334		
LAB:				IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			NONE-NA			NONE-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															
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		UR	100.00 UG/L		U
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR
2,4-DINITROTOLUENE				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR
2-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U
4-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UR
HEXACHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR
HEXACHLOROBUTADIENE				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		U
HEXACHLOROETHANE				20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR
NITROBENZENE				20.00 UG/L		U	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR
PENTACHLOROPHENOL				20.00 UG/L		J	100.00 UG/L		UR	100.00 UG/L		UR	100.00 UG/L		UR
PYRIDINE				20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UR
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE				3.00 UG/L		JB	1.00 UG/L		JB	3.00 UG/L		JB	2.00 UG/L		J
BENZENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	1.00 UG/L		JB
TETRACHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067007	067003	067281	067301	067303
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1716	1717	1718	1719	1719
DEPTH:	1.5-2	1.5-2	-	-	-
DATE COLLECTED:	14-MAY-91	14-MAY-91	01-AUG-91	08-AUG-91	08-AUG-91
NORTH COORDINATE:	480646.21	480514.23	482144.49	482215.57	482215.57
EAST COORDINATE:	1379755.7	1379737.45	1379619.44	1379699.18	1379699.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	R-NA	NONE-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															
ALKALINITY AS CACO3							68.00 MG/L		NV						
AMMONIA							0.10 MG/L		UNV						
CHLORIDE							1.75 MG/L		NV						
FLUORIDE							1.60 MG/L		NV						
NITRATE							0.71 MG/L		NV						
PH							7.80 SU		NV						
PHOSPHATE							0.02 MG/L		NV						
SULFATE							5.30 MG/L		NV						
TOTAL ORGANIC CARBON							8.77 MG/L		NV						
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U	1.80 UG/L		U				1.80 UG/L		U	1.80 UG/L		U
2,4-D	12.00 UG/L		U	12.00 UG/L		U				10.00 UG/L		U	10.00 UG/L		U
INORGANICS															
ARSENIC	0.50 MG/L		-	0.38 MG/L		-				0.10 MG/L		UJ	0.10 MG/L		UJ
BARIUM	0.51 MG/L		-	0.64 MG/L		-				0.97 MG/L		-	1.08 MG/L		-
CADMIUM	0.04 MG/L		-	0.03 MG/L		-				0.01 MG/L		-	0.01 MG/L		-
CHROMIUM	0.11 MG/L		-	0.09 MG/L		-				0.08 MG/L		-	0.09 MG/L		-
LEAD	0.28 MG/L		-	0.20 MG/L		-				0.07 MG/L		R	0.07 MG/L		R
MERCURY	0.00 MG/L		U	0.00 MG/L		U				0.00 MG/L		U	0.00 MG/L		U
SELENIUM	0.48 MG/L		-	0.40 MG/L		U				0.15 MG/L		J	0.13 MG/L		J
SILVER	0.15 MG/L		-	0.15 MG/L		-				0.07 MG/L		-	0.07 MG/L		-
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		U	20.00 UG/L		U

PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U
SAMPLE NUMBER:	067007			067003			067281			067301			067303		
LAB:	IT			IT						IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			-			NONE-NA			NONE-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															
ENDRIN	0.10 UG/L		U	0.10 UG/L		U				0.40 UG/L		UR	0.10 UG/L		U
GAMMA-BHC (LINDANE)	0.05 UG/L		U	0.05 UG/L		U				0.20 UG/L		UR	0.05 UG/L		U
GAMMA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U
HEPTACHLOR	0.05 UG/L		U	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE	0.05 UG/L		U	0.05 UG/L		U				0.20 UG/L		UR	0.05 UG/L		U
METHOXYCHLOR	0.50 UG/L		U	0.50 UG/L		U				2.00 UG/L		UR	0.50 UG/L		U
TOXAPHENE	1.00 UG/L		U	1.00 UG/L		U				1.00 UG/L		U	1.00 UG/L		U
RADIONUCLIDES															
URANIUM-238							29.10 PCI/L	4.4	NV						
URANIUM-234							19.70 PCI/L	3.2	NV						
THORIUM-230							1.00 PCI/L		NV						
RADIUM-226							1.00 PCI/L		UNV						
URANIUM-235/236							3.25 PCI/L	1.06	NV						
THORIUM-232							1.00 PCI/L		NV						
THORIUM, TOTAL							3.60 UG/L		NV						
RADIUM-228							3.00 PCI/L		UNV						
THORIUM-228							1.00 PCI/L		NV						
NEPTUNIUM-237							1.00 PCI/L		NV						
PLUTONIUM-239/240							1.00 PCI/L		NV						
PLUTONIUM-238							1.00 PCI/L		NV						
STRONTIUM-90							5.00 PCI/L		NV						
TECHNETIUM-99							34.00 PCI/L		R						
RUTHENIUM-106							150.00 PCI/L		UJ						
CESIUM-137							20.00 PCI/L		R						
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		UR	20.00 UG/L		U
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UJ	100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UR	20.00 UG/L		U
2,4-DINITROTOLUENE										20.00 UG/L		U	20.00 UG/L		U
2-METHYLPHENOL										20.00 UG/L		U	20.00 UG/L		U
4-METHYLPHENOL										20.00 UG/L		UR	20.00 UG/L		U
HEXACHLOROBENZENE										20.00 UG/L		U	20.00 UG/L		U
HEXACHLOROBUTADIENE										20.00 UG/L		UR	20.00 UG/L		U
HEXACHLOROETHANE										20.00 UG/L		U	20.00 UG/L		U
NITROBENZENE										20.00 UG/L		UR	20.00 UG/L		U
PENTACHLOROPHENOL										100.00 UG/L		U	100.00 UG/L		U
PYRIDINE										20.00 UG/L		U	20.00 UG/L		U

SAMPLE NUMBER:	067007			067003			067281			067301			067303		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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)
VOLATILES															
1,1,1-TRICHLOROETHANE	5.00 UG/L		U												
1,1,2,2-TETRACHLOROETHANE	5.00 UG/L		U												
1,1,2-TRICHLOROETHANE	5.00 UG/L		U												
1,1-DICHLOROETHANE	5.00 UG/L		U												
1,1-DICHLOROETHENE	5.00 UG/L		U	11.00 UG/L		-							5.00 UG/L		U
1,2-DICHLOROETHANE	5.00 UG/L		U	5.00 UG/L		U							5.00 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	5.00 UG/L		U												
1,2-DICHLOROPROPANE	5.00 UG/L		U												
2-BUTANONE	10.00 UG/L		U	6.00 UG/L		J							2.00 UG/L		J
2-HEXANONE	10.00 UG/L		U												
4-METHYL-2-PENTANONE	10.00 UG/L		U												
ACETONE	1.00 UG/L		U												
BENZENE	5.00 UG/L		U	5.00 UG/L		U							5.00 UG/L		U
BROMODICHLOROMETHANE	2.00 UG/L		J												
BROMOFORM	5.00 UG/L		U												
BROMOMETHANE	10.00 UG/L		U												
CARBON DISULFIDE	5.00 UG/L		U												
CARBON TETRACHLORIDE	5.00 UG/L		U	5.00 UG/L		U							5.00 UG/L		U
CHLOROBENZENE	5.00 UG/L		U	5.00 UG/L		U							5.00 UG/L		U
CHLOROETHANE	10.00 UG/L		U												
CHLOROFORM	5.00 UG/L		U	5.00 UG/L		U							5.00 UG/L		U
CHLOROMETHANE	10.00 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5.00 UG/L		U												
DIBROMOCHLOROMETHANE	5.00 UG/L		U												
ETHYLBENZENE	5.00 UG/L		U												
METHYLENE CHLORIDE	5.00 UG/L		U												
TETRACHLOROETHENE	5.00 UG/L		U	2.00 UG/L		J							1.00 UG/L		J
TOLUENE	1.00 UG/L		J												
TRANS-1,3-DICHLOROPROPENE	5.00 UG/L		U												
TRICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U							5.00 UG/L		U
VINYL ACETATE	10.00 UG/L		U												
VINYL CHLORIDE	10.00 UG/L		U	10.00 UG/L		U							10.00 UG/L		U
XYLENES, TOTAL	5.00 UG/L		U												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067287	067289	067295	067300	067317
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1719	1719	1719	1719	1720
DEPTH:	3-4.5	6-7.5	15-16.5	18-19.5	-
DATE COLLECTED:	07-AUG-91	07-AUG-91	08-AUG-91	08-AUG-91	10-AUG-91
NORTH COORDINATE:	482215.57	482215.57	482215.57	482215.57	482215.72
EAST COORDINATE:	1379699.18	1379699.18	1379699.18	1379699.18	1379783.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV				21.00 %		NV	9.00 % MOISTURE		NV			
ALKALINITY AS CACO3													58.00 MG/L		J
AMMONIA													0.12 MG/L		-
CHLORIDE													1.27 MG/L		-
FLUORIDE													1.20 MG/L		-
NITRATE													66.80 MG/L		-
PH													7.85 SU		-
PHOSPHATE													0.06 MG/L		-
SULFATE													16.80 MG/L		-
TOTAL ORGANIC CARBON													9.38 MG/L		J
RADIONUCLIDES															
URANIUM-238													2.39 PCI/L	.96	R
URANIUM-234													3.63 PCI/L	1.19	J
THORIUM-230													1.00 PCI/L		U
RADIUM-226													1.00 PCI/L		U
URANIUM-235/236													1.16 PCI/L	.67	J
THORIUM-232													1.00 PCI/L		U
THORIUM, TOTAL													2.10 UG/L		U
RADIUM-228													3.00 PCI/L		UJ
THORIUM-228													1.00 PCI/L		U
NEPTUNIUM-237													1.00 PCI/L		UJ
PLUTONIUM-239/240													1.00 PCI/L		U
PLUTONIUM-238													1.00 PCI/L		U
STRONTIUM-90													5.00 PCI/L		R
TECHNETIUM-99													36.00 PCI/L		R
RUTHENIUM-106													150.00 PCI/L		UJ
CESIUM-137													20.00 PCI/L		R

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

VOLATILES

1,1-DICHLOROETHENE 5.00 UG/L UNV
06/14/94

SAMPLE NUMBER:	067287			067289			067295			067300			067317		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
1,2-DICHLOROETHANE				5.00 UG/L		UNV									
2-BUTANONE				2.00 UG/L		NV									
BENZENE				5.00 UG/L		UNV									
CARBON TETRACHLORIDE				5.00 UG/L		UNV									
CHLOROBENZENE				5.00 UG/L		UNV									
CHLOROFORM				5.00 UG/L		UNV									
TETRACHLOROETHENE				5.00 UG/L		UNV									
TRICHLOROETHENE				5.00 UG/L		UNV									
VINYL CHLORIDE				10.00 UG/L		UNV									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067318	067319	067307	067309	067311
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1720	1720	1720	1720	1720
DEPTH:	-	-	3-4.5	6-7.5	7.5-9
DATE COLLECTED:	10-AUG-91	10-AUG-91	10-AUG-91	10-AUG-91	10-AUG-91
NORTH COORDINATE:	482215.72	482215.72	482215.72	482215.72	482215.72
EAST COORDINATE:	1379783.27	1379783.27	1379783.27	1379783.27	1379783.27
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							16.00 %		NV				17.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U	1.80 UG/L		U				1.80 UG/L		U			
2,4-D	10.00 UG/L		U	10.00 UG/L		U				10.00 UG/L		U			
INORGANICS															
ARSENIC	0.25 MG/L		U	0.25 MG/L		U									
BARIUM	1.07 MG/L		-	1.14 MG/L		-									
CADMIUM	0.01 MG/L		-	0.01 MG/L		U									
CHROMIUM	0.09 MG/L		-	0.08 MG/L		-									
LEAD	0.09 MG/L		-	0.08 MG/L		-									
MERCURY	0.00 MG/L		U	0.00 MG/L		U									
SELENIUM	0.14 MG/L		-	0.14 MG/L		-									
SILVER	0.08 MG/L		-	0.07 MG/L		-									
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U									
CHLORDANE	0.50 UG/L		U	0.50 UG/L		U									
ENDRIN	0.10 UG/L		U	0.10 UG/L		U									
GAMMA-BHC (LINDANE)	0.05 UG/L		U	0.05 UG/L		U									
GAMMA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U									
HEPTACHLOR	0.05 UG/L		U	0.05 UG/L		U									

SAMPLE NUMBER:	067318			067319			067307			067309			067311		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE	0.05 UG/L		U	0.05 UG/L		U									
METHOXYCHLOR	0.50 UG/L		U	0.50 UG/L		U									
TOXAPHENE	1.00 UG/L		U	1.00 UG/L		U									
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U	100.00 UG/L		U				100.00 UG/L		U			
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U	20.00 UG/L		U				204.00 UG/L		U			
2,4-DINITROTOLUENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
2-METHYLPHENOL	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
4-METHYLPHENOL	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROBENZENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROBUTADIENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROETHANE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
NITROBENZENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
PENTACHLOROPHENOL	100.00 UG/L		U	100.00 UG/L		U				100.00 UG/L		U			
PYRIDINE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U			
1,2-DICHLOROETHANE				5.00 UG/L		U				5.00 UG/L		U			
2-BUTANONE				4.00 UG/L		J				4.00 UG/L		J			
BENZENE				5.00 UG/L		U				5.00 UG/L		U			
CARBON TETRACHLORIDE				5.00 UG/L		U				5.00 UG/L		U			
CHLOROBENZENE				5.00 UG/L		U				5.00 UG/L		U			
CHLOROFORM				5.00 UG/L		U				5.00 UG/L		U			
TETRACHLOROETHENE				1.00 UG/L		J				5.00 UG/L		U			
TRICHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U			
VINYL CHLORIDE				10.00 UG/L		U				10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067312	067245	067246	067247	067233
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1720	1721	1721	1721	1721
DEPTH:	9-10.5	-	-	-	7.5-9
DATE COLLECTED:	10-AUG-91	28-JUL-91	28-JUL-91	28-JUL-91	26-JUL-91
NORTH COORDINATE:	482215.72	482136.4	482136.4	482136.4	482136.4
EAST COORDINATE:	1379783.27	1379785.34	1379785.34	1379785.34	1379785.34
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV												
ALKALINITY AS CACO3							55.00 MG/L		J						
AMMONIA							0.15 MG/L		-						
CHLORIDE							1.39 MG/L		R						
FLUORIDE							0.77 MG/L		-						
NITRATE							1.09 MG/L		-						
PH							8.19 SU		-						
PHOSPHATE							0.05 MG/L		-						
SULFATE							7.20 MG/L		-						
TOTAL ORGANIC CARBON							11.90 MG/L		-						
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U				1.80 UG/L		U			
2,4-D				10.00 UG/L		U				10.00 UG/L		U			
INORGANICS															
ALUMINUM							0.76 MG/L		JB						
ANTIMONY							0.03 MG/L		U						
ARSENIC				0.15 MG/L		U	0.05 MG/L		U	0.15 MG/L		U			
BARIUM				0.91 MG/L		-	0.18 MG/L		J	0.87 MG/L		-			
BERYLLIUM							0.00 MG/L		U						
CADMIUM				0.01 MG/L		U	0.00 MG/L		U	0.01 MG/L		-			
CALCIUM							20.40 MG/L		-						
CHROMIUM				0.08 MG/L		-	0.01 MG/L		U	0.08 MG/L		-			
COBALT							0.01 MG/L		U						
COPPER							0.01 MG/L		-						
IRON							0.50 MG/L		JB						
LEAD				0.04 MG/L		U	0.01 MG/L		-	0.04 MG/L		U			

SAMPLE NUMBER:	067312			067245			067246			067247			067233		
LAB:				IT			IT			IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			-9-NA			NONE-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)
INORGANICS															
MAGNESIUM							4.01 MG/L		-						
MANGANESE							0.03 MG/L		JB						
MERCURY				0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U			
MOLYBDENUM							0.01 MG/L		U						
NICKEL							0.02 MG/L		U						
POTASSIUM							0.38 MG/L		J						
SELENIUM				0.08 MG/L		U	0.08 MG/L		UJ	0.08 MG/L		U			
SILICON							3.32 MG/L		JB						
SILVER				0.08 MG/L		-	0.01 MG/L		U	0.08 MG/L		-			
SODIUM							1.51 MG/L		-						
THALLIUM							0.15 MG/L		UJ						
VANADIUM							0.01 MG/L		U						
ZINC							0.13 MG/L		-						
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		U			
ENDRIN				0.10 UG/L		U				0.10 UG/L		U			
GAMMA-BHC (LINDANE)				0.05 UG/L		U				0.05 UG/L		U			
GAMMA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		U			
HEPTACHLOR				0.05 UG/L		U				0.05 UG/L		U			
HEPTACHLOR EPOXIDE				0.05 UG/L		U				0.05 UG/L		U			
METHOXYCHLOR				0.50 UG/L		U				0.50 UG/L		U			
TOXAPHENE				1.00 UG/L		U				1.00 UG/L		U			
RADIONUCLIDES															
URANIUM-238							39.60 PCI/L	6.8	-						
URANIUM-234							13.20 PCI/L	3.2	J						
THORIUM-230							1.00 PCI/L		UJ						
RADIUM-226							1.00 PCI/L		R						
URANIUM-235/236							2.90 PCI/L	1.4	J						
THORIUM-232							1.00 PCI/L		U						
THORIUM, TOTAL							2.50 UG/L		U						
RADIUM-228							3.00 PCI/L		UJ						
THORIUM-228							1.00 PCI/L		UJ						
NEPTUNIUM-237							1.00 PCI/L		UJ						
PLUTONIUM-239/240							1.00 PCI/L		U						
PLUTONIUM-238							1.00 PCI/L		U						
STRONTIUM-90							5.00 PCI/L		U						
TECHNETIUM-99							30.00 PCI/L		U						

SAMPLE NUMBER:	067312			067245			067246			067247			067233		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			-9-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)
RADIONUCLIDES															
RUTHENIUM-106							152.00 PCI/L		UJ						
CESIUM-137							20.00 PCI/L		UJ						
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		U			
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U				20.00 UG/L		U			
2,4-DINITROTOLUENE				20.00 UG/L		U				20.00 UG/L		U			
2-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U			
4-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROBUTADIENE				20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROETHANE				20.00 UG/L		U				20.00 UG/L		U			
NITROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
PENTACHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		U			
PYRIDINE				20.00 UG/L		U				20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U			
1,2-DICHLOROETHANE				5.00 UG/L		U				5.00 UG/L		U			
2-BUTANONE				7.00 UG/L		J				4.00 UG/L		J			
BENZENE				5.00 UG/L		U				5.00 UG/L		U			
CARBON TETRACHLORIDE				5.00 UG/L		U				5.00 UG/L		U			
CHLOROBENZENE				5.00 UG/L		U				5.00 UG/L		U			
CHLOROFORM				5.00 UG/L		U				5.00 UG/L		U			
TETRACHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U			
TRICHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U			
VINYL CHLORIDE				10.00 UG/L		U				10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067236	067237	067261	067262	067264
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1721	1721	1722	1722	1722
DEPTH:	12-13.5	13.5-15	-	-	-
DATE COLLECTED:	27-JUL-91	27-JUL-91	30-JUL-91	30-JUL-91	30-JUL-91
NORTH COORDINATE:	482136.4	482136.4	482114.81	482114.81	482114.81
EAST COORDINATE:	1379785.34	1379785.34	1379739.45	1379739.45	1379739.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				22.00 %		NV									
ALKALINITY AS CACO3										195.00 MG/L		-			
AMMONIA										0.24 MG/L		-			
CHLORIDE										3.59 MG/L		J			
FLUORIDE										2.80 MG/L		-			
NITRATE										0.10 MG/L		U			
PH										7.29 SU		-			
PHOSPHATE										0.09 MG/L		J			
SULFATE										18.50 MG/L		J			
TOTAL ORGANIC CARBON										13.10 MG/L		J			
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U				1.80 UG/L		U				1.80 UG/L		U
2,4-D	10.00 UG/L		U				10.00 UG/L		U				10.00 UG/L		U
INORGANICS															
ALUMINUM										4.15 MG/L		NV	0.80 MG/L		J
ANTIMONY										0.13 MG/L		NV			
ARSENIC	0.05 MG/L		U				0.15 MG/L		UJ	0.00 MG/L		NV	0.15 MG/L		UJ
BARIUM	0.84 MG/L		-				1.14 MG/L		JB	0.16 MG/L		NV	1.26 MG/L		JB
BERYLLIUM										0.02 MG/L		NV			
CADMIUM	0.02 MG/L		-				0.01 MG/L		R	0.01 MG/L		NV	0.01 MG/L		UR
CALCIUM										38.10 MG/L		NV			
CHROMIUM	0.06 MG/L		-				0.73 MG/L		R	0.58 MG/L		NV	0.15 MG/L		R
COBALT										0.07 MG/L		NV			
COPPER										0.17 MG/L		NV			
IRON										0.79 MG/L		NV			
LEAD	0.04 MG/L		U				0.43 MG/L		R	0.00 MG/L		NV	0.04 MG/L		R

SAMPLE NUMBER:	067236			067237			067261			067262			067264		
LAB:	IT						IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-NA			-9-UNK			NONE-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)
INORGANICS															
MAGNESIUM										14.90 MG/L		NV			
MANGANESE										0.06 MG/L		NV			
MERCURY	0.00 MG/L		U				0.00 MG/L		UJ	0.00 MG/L		UNV	0.00 MG/L		U
MOLYBDENUM										0.22 MG/L		NV			
NICKEL										0.08 MG/L		NV			
POTASSIUM										0.69 MG/L		NV			
SELENIUM	0.11 MG/L		-				0.38 MG/L		JB	0.00 MG/L		UNV	0.11 MG/L		JB
SILICON										3.39 MG/L		NV			
SILVER	0.05 MG/L		-				0.36 MG/L		R	0.31 MG/L		NV	0.10 MG/L		R
SODIUM										18.70 MG/L		NV			
THALLIUM										5.09 MG/L		NV			
VANADIUM										0.24 MG/L		NV			
ZINC										0.13 MG/L		NV			
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		U				20.00 UG/L		UR
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U				0.50 UG/L		U
ENDRIN	0.20 UG/L		UR				0.10 UG/L		U				0.10 UG/L		U
GAMMA-BHC (LINDANE)	0.05 UG/L		U				0.05 UG/L		U				0.05 UG/L		U
GAMMA-CHLORDANE	1.00 UG/L		UR				0.50 UG/L		U				0.50 UG/L		U
HEPTACHLOR	0.10 UG/L		UR				0.05 UG/L		U				0.05 UG/L		U
HEPTACHLOR EPOXIDE	0.10 UG/L		UR				0.05 UG/L		U				0.05 UG/L		U
METHOXYCHLOR	1.00 UG/L		UR				0.50 UG/L		U				0.50 UG/L		U
TOXAPHENE	1.00 UG/L		U				1.00 UG/L		U				1.00 UG/L		U
RADIONUCLIDES															
THORIUM-230										2.98 PCI/L	.8	J			
RADIUM-226										1.00 PCI/L		U			
THORIUM-232										1.00 PCI/L		UJ			
THORIUM, TOTAL										2.27 UG/L	1.88	J			
RADIUM-228										3.00 PCI/L		U			
THORIUM-228										1.00 PCI/L		UJ			
NEPTUNIUM-237										5.44 PCI/L	1.62	J			
PLUTONIUM-239/240										1.00 PCI/L		U			
PLUTONIUM-238										1.00 PCI/L		UJ			
STRONTIUM-90										5.00 PCI/L		U			
TECHNETIUM-99										256.00 PCI/L	33	-			
RUTHENIUM-106										154.00 PCI/L		R			
CESIUM-137										20.00 PCI/L		R			

SEMIVOLATILES

1,4-DICHLOROBENZENE 20.00 UG/L UR 20.00 UG/L UR
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067236			067237			067261			067262			067264		
LAB:							IT						IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			-			R-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL							100.00 UG/L		UR				100.00 UG/L		UR
2,4,6-TRICHLOROPHENOL							20.00 UG/L		UR				20.00 UG/L		UR
2,4-DINITROTOLUENE							20.00 UG/L		UR				20.00 UG/L		UR
2-METHYLPHENOL							20.00 UG/L		UR				20.00 UG/L		UR
4-METHYLPHENOL							20.00 UG/L		UR				20.00 UG/L		UR
HEXACHLOROBENZENE							20.00 UG/L		UR				20.00 UG/L		UR
HEXACHLOROBUTADIENE							20.00 UG/L		UR				20.00 UG/L		UR
HEXACHLOROETHANE							20.00 UG/L		UR				20.00 UG/L		UR
NITROBENZENE							20.00 UG/L		UR				20.00 UG/L		UR
PENTACHLOROPHENOL							100.00 UG/L		UR				9.00 UG/L		R
PYRIDINE							20.00 UG/L		UR				5.00 UG/L		R
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U				5.00 UG/L		U
1,2-DICHLOROETHANE							5.00 UG/L		U				5.00 UG/L		U
2-BUTANONE							2.00 UG/L		J				1.00 UG/L		J
BENZENE							5.00 UG/L		U				5.00 UG/L		U
CARBON TETRACHLORIDE							5.00 UG/L		U				5.00 UG/L		U
CHLOROBENZENE							5.00 UG/L		U				5.00 UG/L		U
CHLOROFORM							5.00 UG/L		U				5.00 UG/L		U
TETRACHLOROETHENE							30.00 UG/L		-				1.00 UG/L		J
TRICHLOROETHENE							5.00 UG/L		U				5.00 UG/L		U
VINYL CHLORIDE							10.00 UG/L		U				10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067250	067253	067256	067259	067185
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1722	1722	1722	1722	1723
DEPTH:	1.5-3	6-7.5	11-12.5	14-16.5	-
DATE COLLECTED:	29-JUL-91	30-JUL-91	30-JUL-91	30-JUL-91	12-JUL-91
NORTH COORDINATE:	482114.81	482114.81	482114.81	482114.81	477243.17
EAST COORDINATE:	1379739.45	1379739.45	1379739.45	1379739.45	1379955.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	9.00 % MOISTURE		NV							21.00 %		NV			
ALKALINITY AS CACO3													50.00 MG/L		-
AMMONIA													0.10 MG/L		U
CHLORIDE													2.93 MG/L		J
FLUORIDE													0.50 MG/L		-
NITRATE													0.12 MG/L		J
PH													7.85 SU		-
PHOSPHATE													0.15 MG/L		J
SULFATE													103.00 MG/L		J
TOTAL ORGANIC CARBON													6.67 MG/L		J
INORGANICS															
ARSENIC				0.25 MG/L		U	0.05 MG/L		U						
BARIUM				2.01 MG/L		-	0.08 MG/L		-						
CADMIUM				0.04 MG/L		-	0.00 MG/L		U						
CHROMIUM				1.29 MG/L		-	0.01 MG/L		-						
LEAD				0.94 MG/L		-	0.04 MG/L		U						
MERCURY				0.00 MG/L		U	0.00 MG/L		U						
SELENIUM				0.74 MG/L		-	0.08 MG/L		U						
SILVER				0.69 MG/L		-	0.01 MG/L		U						
PESTICIDES															
ENDRIN				0.10 UG/L		U	0.10 UG/L		U						
GAMMA-BHC (LINDANE)				0.05 UG/L		U	0.05 UG/L		U						
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		U						
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U						

SAMPLE NUMBER:	067250			067253			067256			067259			067185				
LAB:													IT				
SUFFIX/FILTERFLAG:	-			-			-			-			-9-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)		
RADIONUCLIDES																	
RADIUM-226													1.00 PCI/L		U		
THORIUM-232													1.00 PCI/L		U		
THORIUM, TOTAL													3.90 UG/L		U		
RADIUM-228													3.00 PCI/L		UJ		
THORIUM-228													1.00 PCI/L		UJ		
PLUTONIUM-239/240													1.00 PCI/L		U		
PLUTONIUM-238													1.00 PCI/L		U		
RUTHENIUM-106													150.00 PCI/L		R		
CESIUM-137													20.00 PCI/L		R		

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067186	067189	067167	067170	067171
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1723	1723	1723	1723	1723
DEPTH:	-	-	4.5-6	9-10.5	10.5-12
DATE COLLECTED:	12-JUL-91	14-JUL-91	11-JUL-91	11-JUL-91	11-JUL-91
NORTH COORDINATE:	477243.17	477243.17	477243.17	477243.17	477243.17
EAST COORDINATE:	1379955.88	1379955.88	1379955.88	1379955.88	1379955.88
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							26.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U	1.80 UG/L		U				1.80 UG/L		U	1.80 UG/L		UJ
2,4-D	10.00 UG/L		U	10.00 UG/L		U				10.00 UG/L		U	10.00 UG/L		UJ
INORGANICS															
ARSENIC	0.25 MG/L		UJ	0.09 MG/L		-				0.25 MG/L		U	0.05 MG/L		U
BARIUM	0.54 MG/L		-	0.43 MG/L		-				0.67 MG/L		-	0.17 MG/L		JB
CADMIUM	0.01 MG/L		U	0.01 MG/L		J				0.03 MG/L		-	0.00 MG/L		JB
CHROMIUM	0.19 MG/L		-	0.03 MG/L		-				0.22 MG/L		-	0.01 MG/L		JB
LEAD	0.20 MG/L		U	0.04 MG/L		U				0.20 MG/L		U	0.04 MG/L		U
MERCURY				0.20 MG/L		U							0.00 MG/L		U
SELENIUM	0.40 MG/L		UJ	0.08 MG/L		-				0.40 MG/L		U	0.08 MG/L		U
SILVER	0.18 MG/L		-	0.03 MG/L		-				0.21 MG/L		J	0.01 MG/L		U
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
PESTICIDES															
ALPHA-CHLORDANE	1.00 UG/L		UR	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		UJ
ENDRIN	0.20 UG/L		UR	0.10 UG/L		U				0.10 UG/L		U	0.10 UG/L		UJ
GAMMA-BHC (LINDANE)	0.10 UG/L		UR	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		UJ
GAMMA-CHLORDANE	1.00 UG/L		UR	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		UJ
HEPTACHLOR	0.10 UG/L		UR	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		UJ
HEPTACHLOR EPOXIDE	0.10 UG/L		UR	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		UJ

SAMPLE NUMBER:	067186			067189			067167			067170			067171		
LAB:	IT			IT						IT			IT		
SUFFIX/FILTERFLAG:	DL-NA			NONE-NA			-			NONE-NA			NONE-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															
METHOXYCHLOR	1.00 UG/L		UR	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		UJ
TOXAPHENE	2.00 UG/L		UR	1.00 UG/L		U				1.00 UG/L		U	1.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ	100.00 UG/L		U				100.00 UG/L		UR			
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		UR			
2,4-DINITROTOLUENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		UR			
2-METHYLPHENOL	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
4-METHYLPHENOL	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
HEXACHLOROBENZENE	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
HEXACHLOROBUTADIENE	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
HEXACHLOROETHANE	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
NITROBENZENE	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
PENTACHLOROPHENOL	100.00 UG/L		UJ	100.00 UG/L		U				100.00 UG/L		UR			
PYRIDINE	20.00 UG/L		UJ	20.00 UG/L		U				20.00 UG/L		UR			
VOLATILES															
1,1-DICHLOROETHENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
1,2-DICHLOROETHANE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
2-BUTANONE	40.00 UG/L		U	40.00 UG/L		U				10.00 UG/L		J			
BENZENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
CARBON TETRACHLORIDE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
CHLOROBENZENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
CHLOROFORM	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
TETRACHLOROETHENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
TRICHLOROETHENE	20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U			
VINYL CHLORIDE	40.00 UG/L		U	40.00 UG/L		U				40.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067173	067184	067222	067223	067224
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1723	1723	1724	1724	1724
DEPTH:	13.5-15	29-30.5	-	-	-
DATE COLLECTED:	11-JUL-91	12-JUL-91	16-JUL-91	16-JUL-91	16-JUL-91
NORTH COORDINATE:	477243.17	477243.17	477239.7	477239.7	477239.7
EAST COORDINATE:	1379955.88	1379955.88	1379830.96	1379830.96	1379830.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	23.00 %		NV	14.00 %		NV									
ALKALINITY AS CACO3							40.00 MG/L		-						
AMMONIA							0.10 MG/L		U						
CHLORIDE							0.52 MG/L		-						
FLUORIDE							0.50 MG/L		-						
NITRATE							0.19 MG/L		-						
PH							7.52 SU		-						
PHOSPHATE							0.08 MG/L		-						
SULFATE							194.00 MG/L		-						
TOTAL ORGANIC CARBON							4.44 MG/L		-						
HERBICIDES															
2,4,5-TP (SILVEX)													1.80 UG/L		U
2,4-D													10.00 UG/L		U
INORGANICS															
ALUMINUM							0.10 MG/L		-						
ANTIMONY							0.03 MG/L		U						
ARSENIC							0.03 MG/L		-	0.05 MG/L		UJ	0.08 MG/L		R
BARIUM							0.16 MG/L		-	0.28 MG/L		J	0.39 MG/L		R
BERYLLIUM							0.00 MG/L		U						
CADMIUM							0.00 MG/L		U	0.01 MG/L		J	0.01 MG/L		R
CALCIUM							45.50 MG/L		-						
CHROMIUM							0.01 MG/L		-	0.04 MG/L		J	0.05 MG/L		-
COBALT							0.01 MG/L		U						
COPPER							0.02 MG/L		-						
IRON							0.03 MG/L		-						
LEAD							0.00 MG/L		U	0.06 MG/L		J	0.10 MG/L		R

SAMPLE NUMBER:	067173			067184			067222			067223			067224		
LAB:							IT			IT			IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-NA			NONE-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)
INORGANICS															
MAGNESIUM							7.27 MG/L		-						
MANGANESE							0.00 MG/L		U						
MERCURY							0.00 MG/L		U	0.00 MG/L		UJ	0.00 MG/L		UR
MOLYBDENUM							0.05 MG/L		-						
NICKEL							0.02 MG/L		U						
POTASSIUM							10.30 MG/L		-						
SELENIUM							0.01 MG/L		-	0.08 MG/L		UJ	0.15 MG/L		R
SILICON							3.27 MG/L		-						
SILVER							0.01 MG/L		U	0.04 MG/L		J	0.05 MG/L		R
SODIUM							2.84 MG/L		-						
THALLIUM							0.15 MG/L		U						
VANADIUM							0.01 MG/L		-						
ZINC							0.11 MG/L		-						
No sort code listed.															
3-METHYLPHENOL													20.00 UG/L		UJ
PESTICIDES															
ALPHA-CHLORDANE													0.50 UG/L		UR
ENDRIN													0.44 UG/L		R
GAMMA-BHC (LINDANE)													0.20 UG/L		R
GAMMA-CHLORDANE													0.50 UG/L		UR
HEPTACHLOR													0.05 UG/L		UJ
HEPTACHLOR EPOXIDE													0.05 UG/L		U
METHOXYCHLOR													0.50 UG/L		U
TOXAPHENE													1.00 UG/L		U
RADIONUCLIDES															
URANIUM-238							3.74 PCI/L	1.16	R						
URANIUM-234							3.15 PCI/L	1.08	R						
THORIUM-230							1.00 PCI/L		UJ						
RADIUM-226							1.00 PCI/L		U						
URANIUM-235/236							1.00 PCI/L		R						
THORIUM-232							1.00 PCI/L		U						
THORIUM, TOTAL							4.20 UG/L		U						
RADIUM-228							3.00 PCI/L		U						
THORIUM-228							1.00 PCI/L		UJ						
NEPTUNIUM-237							1.00 PCI/L		UJ						
PLUTONIUM-239/240							1.00 PCI/L		U						
PLUTONIUM-238							1.00 PCI/L		U						
STRONTIUM-90							5.00 PCI/L		R						
TECHNETIUM-99							33.00 PCI/L		R						

SAMPLE NUMBER:	067173			067184			067222			067223			067224		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			-9-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)
RADIONUCLIDES															
RUTHENIUM-106							150.00 PCI/L		UJ						
CESIUM-137							20.00 PCI/L		UJ						
SEMIVOLATILES															
1,4-DICHLOROBENZENE													20.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL													100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL													20.00 UG/L		U
2,4-DINITROTOLUENE													20.00 UG/L		U
2-METHYLPHENOL													20.00 UG/L		UJ
4-METHYLPHENOL													20.00 UG/L		UJ
HEXACHLOROBENZENE													20.00 UG/L		UJ
HEXACHLOROBUTADIENE													20.00 UG/L		UJ
HEXACHLOROETHANE													20.00 UG/L		UJ
NITROBENZENE													20.00 UG/L		UJ
PENTACHLOROPHENOL													100.00 UG/L		UJ
PYRIDINE													20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE													20.00 UG/L		U
1,2-DICHLOROETHANE													20.00 UG/L		U
2-BUTANONE													40.00 UG/L		U
BENZENE													20.00 UG/L		U
CARBON TETRACHLORIDE													20.00 UG/L		U
CHLOROBENZENE													20.00 UG/L		U
CHLOROFORM													20.00 UG/L		U
TETRACHLOROETHENE													20.00 UG/L		U
TRICHLOROETHENE													20.00 UG/L		U
VINYL CHLORIDE													40.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067225	067193	067196	067197	067199
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1724	1724	1724	1724	1724
DEPTH:	-	4.5-6	9-10.5	10.5-12	12-14.5
DATE COLLECTED:	16-JUL-91	13-JUL-91	13-JUL-91	13-JUL-91	14-JUL-91
NORTH COORDINATE:	477239.7	477239.7	477239.7	477239.7	477239.7
EAST COORDINATE:	1379830.96	1379830.96	1379830.96	1379830.96	1379830.96
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				17.00 %		NV							24.90 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U				1.80 UG/L		U	1.80 UG/L		U			
2,4-D	10.00 UG/L		U				10.00 UG/L		U	10.00 UG/L		U			
INORGANICS															
ARSENIC	0.07 MG/L		R				0.05 MG/L		U	0.09 MG/L		JB			
BARIUM	0.33 MG/L		R				0.07 MG/L		U	0.33 MG/L		-			
CADMIUM	0.00 MG/L		R				0.00 MG/L		U	0.01 MG/L		-			
CHROMIUM	0.03 MG/L		-				0.02 MG/L		JB	0.04 MG/L		-			
LEAD	0.04 MG/L		UR				0.05 MG/L		JB	0.06 MG/L		-			
MERCURY	0.00 MG/L		UR				0.00 MG/L		U						
SELENIUM	0.08 MG/L		UR				0.08 MG/L		U	0.11 MG/L		JB			
SILVER	0.03 MG/L		R				0.01 MG/L		JB	0.03 MG/L		-			
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UJ							20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U			
ENDRIN	0.45 UG/L		R				0.10 UG/L		U	0.10 UG/L		U			
GAMMA-BHC (LINDANE)	0.18 UG/L		R				0.05 UG/L		U	0.05 UG/L		U			
GAMMA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U			
HEPTACHLOR	0.16 UG/L		R				0.05 UG/L		U	0.05 UG/L		U			
HEPTACHLOR EPOXIDE	0.05 UG/L		U				0.05 UG/L		U	0.05 UG/L		U			

SAMPLE NUMBER:	067225			067193			067196			067197			067199		
LAB:	IT						IT			IT					
SUFFIX/FILTERFLAG:	R-NA			-			NONE-NA			NONE-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															
METHOXYCHLOR	0.50 UG/L		U				0.50 UG/L		U	0.50 UG/L		U			
TOXAPHENE	1.00 UG/L		U				1.00 UG/L		U	1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ							20.00 UG/L		UR			
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ							100.00 UG/L		UR			
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UJ							20.00 UG/L		U			
2,4-DINITROTOLUENE	20.00 UG/L		U							20.00 UG/L		U			
2-METHYLPHENOL	20.00 UG/L		UJ							20.00 UG/L		UR			
4-METHYLPHENOL	20.00 UG/L		UJ							20.00 UG/L		UR			
HEXACHLOROBENZENE	20.00 UG/L		UJ							20.00 UG/L		U			
HEXACHLOROBUTADIENE	20.00 UG/L		UJ							20.00 UG/L		UR			
HEXACHLOROETHANE	20.00 UG/L		UJ							20.00 UG/L		UR			
NITROBENZENE	20.00 UG/L		UJ							20.00 UG/L		UR			
PENTACHLOROPHENOL	100.00 UG/L		UJ							100.00 UG/L		U			
PYRIDINE	20.00 UG/L		UJ							20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE	20.00 UG/L		U							20.00 UG/L		U			
1,2-DICHLOROETHANE	20.00 UG/L		U							20.00 UG/L		U			
2-BUTANONE	40.00 UG/L		U							7.00 UG/L		U			
BENZENE	20.00 UG/L		U							20.00 UG/L		U			
CARBON TETRACHLORIDE	20.00 UG/L		U							20.00 UG/L		U			
CHLOROBENZENE	20.00 UG/L		U							20.00 UG/L		U			
CHLOROFORM	20.00 UG/L		U							20.00 UG/L		U			
TETRACHLOROETHENE	20.00 UG/L		U							20.00 UG/L		U			
TRICHLOROETHENE	20.00 UG/L		U							20.00 UG/L		U			
VINYL CHLORIDE	40.00 UG/L		U							40.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067220	067201	067218	067157	067158
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1724	1724	1724	1726	1726
DEPTH:	12-14.5	16-17.5	41.5-43	-	-
DATE COLLECTED:	14-JUL-91	14-JUL-91	16-JUL-91	01-JUL-91	01-JUL-91
NORTH COORDINATE:	477239.7	477239.7	477239.7	477317.49	477317.49
EAST COORDINATE:	1379830.96	1379830.96	1379830.96	1380039.59	1380039.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	29.80 %		NV	26.00 %		NV	16.00 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U			
2,4-D										10.00 UG/L		U			
INORGANICS															
ARSENIC										0.07 MG/L		-	0.08 MG/L		J
BARIUM										0.55 MG/L		-	0.44 MG/L		JB
CADMIUM										0.01 MG/L		-	0.02 MG/L		J
CHROMIUM										0.05 MG/L		-	0.07 MG/L		J
LEAD										0.07 MG/L		-	0.10 MG/L		J
MERCURY										0.00 MG/L		U	0.00 MG/L		U
SELENIUM										0.11 MG/L		-	0.14 MG/L		-
SILVER										0.05 MG/L		-	0.06 MG/L		J
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		UJ			
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U			
ENDRIN										0.10 UG/L		U			
GAMMA-BHC (LINDANE)										0.05 UG/L		U			
GAMMA-CHLORDANE										0.50 UG/L		U			
HEPTACHLOR										0.05 UG/L		U			
HEPTACHLOR EPOXIDE										0.05 UG/L		U			

SAMPLE NUMBER:	067220			067201			067218			067157			067158		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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															
METHOXYCHLOR										0.50 UG/L		U			
TOXAPHENE										1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE										20.00 UG/L		UJ			
2,4,5-TRICHLOROPHENOL										100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL										20.00 UG/L		UJ			
2,4-DINITROTOLUENE										20.00 UG/L		UJ			
2-METHYLPHENOL										20.00 UG/L		UJ			
4-METHYLPHENOL										20.00 UG/L		UJ			
HEXACHLOROBENZENE										20.00 UG/L		UJ			
HEXACHLOROBUTADIENE										20.00 UG/L		UJ			
HEXACHLOROETHANE										20.00 UG/L		UJ			
NITROBENZENE										20.00 UG/L		UJ			
PENTACHLOROPHENOL										100.00 UG/L		U			
PYRIDINE										20.00 UG/L		UJ			
VOLATILES															
1,1-DICHLOROETHENE										20.00 UG/L		U			
1,2-DICHLOROETHANE										20.00 UG/L		U			
2-BUTANONE										9.00 UG/L		U			
BENZENE										20.00 UG/L		U			
CARBON TETRACHLORIDE										20.00 UG/L		U			
CHLOROBENZENE										20.00 UG/L		U			
CHLOROFORM										20.00 UG/L		U			
TETRACHLOROETHENE										20.00 UG/L		U			
TRICHLOROETHENE										20.00 UG/L		U			
VINYL CHLORIDE										40.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067159	067162	067149	067150	067151
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1726	1726	1726	1726	1726
DEPTH:	-	-	9-10.5	10.5-12	12-13.5
DATE COLLECTED:	01-JUL-91	01-JUL-91	01-JUL-91	01-JUL-91	01-JUL-91
NORTH COORDINATE:	477317.49	477317.49	477317.49	477317.49	477317.49
EAST COORDINATE:	1380039.59	1380039.59	1380039.59	1380039.59	1380039.59
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							32.00 %		NV						
ALKALINITY AS CACO3	5.00 MG/L		UR												
AMMONIA	0.10 MG/L		UR												
CHLORIDE	0.55 MG/L		J												
FLUORIDE	0.50 MG/L		J												
NITRATE	0.39 MG/L		J												
PH	7.76 SU		J												
PHOSPHATE	0.10 MG/L		J												
SULFATE	182.00 MG/L		J												
TOTAL ORGANIC CARBON	8.26 MG/L		J												
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U				1.80 UG/L		U			
2,4-D				10.00 UG/L		U				10.00 UG/L		U			
INORGANICS															
ALUMINUM	0.17 MG/L		-												
ANTIMONY	0.03 MG/L		U												
ARSENIC	0.06 MG/L		-	0.12 MG/L		-				0.05 MG/L		U	0.05 MG/L		UJ
BARIUM	0.14 MG/L		-	0.39 MG/L		-				0.32 MG/L		-	0.33 MG/L		JB
BERYLLIUM	0.00 MG/L		U												
CADMIUM	0.00 MG/L		U	0.00 MG/L		-				0.01 MG/L		-	0.00 MG/L		UJ
CALCIUM	51.20 MG/L		-												
CHROMIUM	0.01 MG/L		-	0.03 MG/L		-				0.04 MG/L		-	0.01 MG/L		J
COBALT	0.01 MG/L		U												
COPPER	0.01 MG/L		U												
IRON	0.08 MG/L		-												
LEAD	0.00 MG/L		U	0.04 MG/L		U				0.04 MG/L		U	0.04 MG/L		UJ

SAMPLE NUMBER:	067159			067162			067149			067150			067151		
LAB:	IT			IT						IT			IT		
SUFFIX/FILTERFLAG:	-9-NA			NONE-NA			-			NONE-NA			NONE-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)
INORGANICS															
MAGNESIUM	6.68 MG/L		-												
MANGANESE	0.00 MG/L		U												
MERCURY	0.00 MG/L		UR	0.00 MG/L		U				0.00 MG/L		U	0.00 MG/L		U
MOLYBDENUM	0.04 MG/L		-												
NICKEL	0.02 MG/L		U												
POTASSIUM	5.24 MG/L		-												
SELENIUM	0.08 MG/L		U	0.12 MG/L		-				0.08 MG/L		-	0.08 MG/L		UJ
SILICON	2.68 MG/L		-												
SILVER	0.01 MG/L		-	0.03 MG/L		-				0.04 MG/L		-	0.01 MG/L		UJ
SODIUM	3.88 MG/L		-												
THALLIUM	0.15 MG/L		U												
VANADIUM	0.02 MG/L		-												
ZINC	0.08 MG/L		-												
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		UJ				20.00 UG/L		UJ			
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		U			
ENDRIN				0.10 UG/L		U				0.10 UG/L		U			
GAMMA-BHC (LINDANE)				0.05 UG/L		U				0.05 UG/L		U			
GAMMA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		U			
HEPTACHLOR				0.05 UG/L		U				0.05 UG/L		U			
HEPTACHLOR EPOXIDE				0.05 UG/L		U				0.05 UG/L		U			
METHOXYCHLOR				0.50 UG/L		U				0.50 UG/L		U			
TOXAPHENE				1.00 UG/L		U				1.00 UG/L		U			
RADIONUCLIDES															
THORIUM-230	1.00 PCI/L		UJ												
RADIUM-226	1.00 PCI/L		U												
THORIUM-232	1.00 PCI/L		U												
THORIUM, TOTAL	1.80 UG/L		U												
RADIUM-228	3.00 PCI/L		UJ												
THORIUM-228	1.00 PCI/L		UJ												
PLUTONIUM-239/240	1.00 PCI/L		U												
PLUTONIUM-238	1.00 PCI/L		U												
STRONTIUM-90	5.00 PCI/L		R												
TECHNETIUM-99	38.00 PCI/L		R												
RUTHENIUM-106	150.00 PCI/L		R												
CESIUM-137	20.00 PCI/L		UJ												

SEMIVOLATILES

1,4-DICHLOROBENZENE				20.00 UG/L		UJ				20.00 UG/L		UR			
06/14/94															

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067159			067162			067149			067150			067151		
LAB:				IT						IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			-			R-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL				100.00 UG/L		UJ				100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL				20.00 UG/L		UJ				20.00 UG/L		UJ			
2,4-DINITROTOLUENE				20.00 UG/L		UJ				20.00 UG/L		UJ			
2-METHYLPHENOL				20.00 UG/L		UJ				20.00 UG/L		UJ			
4-METHYLPHENOL				20.00 UG/L		UJ				20.00 UG/L		UJ			
HEXACHLOROBENZENE				20.00 UG/L		UJ				20.00 UG/L		UJ			
HEXACHLOROBUTADIENE				20.00 UG/L		UJ				20.00 UG/L		UJ			
HEXACHLOROETHANE				20.00 UG/L		UJ				20.00 UG/L		UR			
NITROBENZENE				20.00 UG/L		UJ				20.00 UG/L		UJ			
PENTACHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		UJ			
PYRIDINE				20.00 UG/L		UJ				20.00 UG/L		UJ			
VOLATILES															
1,1-DICHLOROETHENE				20.00 UG/L		U				20.00 UG/L		U			
1,2-DICHLOROETHANE				20.00 UG/L		U				20.00 UG/L		U			
2-BUTANONE				40.00 UG/L		U				40.00 UG/L		U			
BENZENE				20.00 UG/L		U				20.00 UG/L		U			
CARBON TETRACHLORIDE				20.00 UG/L		U				20.00 UG/L		U			
CHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
CHLOROFORM				20.00 UG/L		U				20.00 UG/L		U			
TETRACHLOROETHENE				20.00 UG/L		U				20.00 UG/L		U			
TRICHLOROETHENE				20.00 UG/L		U				20.00 UG/L		U			
VINYL CHLORIDE				40.00 UG/L		U				40.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067155	101409	100865	100881	101385
TASK:	20.03.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1726	1729	1730	1730	1732
DEPTH:	18-19.5	0-.5	0-.5	16.5-17	0-.5
DATE COLLECTED:	01-JUL-91	13-JAN-92	09-JAN-92	09-JAN-92	08-JAN-92
NORTH COORDINATE:	477317.49	483300	483300	483300	483300
EAST COORDINATE:	1380039.59	1378500	1379000	1379000	1379500
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	19.00 %		NV	24.00 %		NV	22.00 %		NV				19.00 %		NV
CATION EXCHANGE CAPACITY										4.05 MEQ/L		J			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	101405	100841	100845	101372	100820
TASK:	03.01.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1732	1734	1734	1735	1736
DEPTH:	19.5-20	0-.5	4.5-5	0-.5	0-.5
DATE COLLECTED:	09-JAN-92	08-JAN-92	08-JAN-92	07-JAN-92	05-JAN-92
NORTH COORDINATE:	483300	483300	483300	483300	483334
EAST COORDINATE:	1379500	1380000	1380000	1380500	1381000
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				21.00 %		NV				26.00 %		NV	19.00 %		NV
CATION EXCHANGE CAPACITY	13.05 MEQ/L		J				2.93 MEQ/L		J						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	101358			100782			100788			100814			101334		
TASK:	03.01.01			03.01.01			03.01.01			03.01.01			03.01.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1737			1738			1738			1738			1739		
DEPTH:	0-.5			0-.5			5-5.5			29.5-30			0-.5		
DATE COLLECTED:	06-JAN-92			02-JAN-92			02-JAN-92			04-JAN-92			02-JAN-92		
NORTH COORDINATE:	483306			483539			483539			483539			482400		
EAST COORDINATE:	1381957			1382635			1382635			1382635			1383000		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	24.00 %		NV	19.00 %		NV							19.00 %		NV
CATION EXCHANGE CAPACITY							3.12 MEQ/L		J	1.40 MEQ/L		J			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100753	100759	100772	101310	101331
TASK:	03.01.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1740	1740	1740	1741	1741
DEPTH:	0-.5	7-7.5	17.5-18	0-.5	28.5-29
DATE COLLECTED:	21-DEC-91	21-DEC-91	21-DEC-91	20-DEC-91	21-DEC-91
NORTH COORDINATE:	481800	481800	481800	480700	480700
EAST COORDINATE:	1383000	1383000	1383000	1383000	1383000
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV							18.00 %		NV			
CATION EXCHANGE CAPACITY				2.14 MEQ/L		J	1.73 MEQ/L		J				1.31 MEQ/L		J

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100715			100718			100733			101287			101297		
TASK:	03.01.01			03.01.01			03.01.01			03.01.01			03.01.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1742			1742			1742			1743			1743		
DEPTH:	0-.5			4.5-5			17-17.5			4.5-5			14.5-15		
DATE COLLECTED:	18-DEC-91			18-DEC-91			18-DEC-91			18-DEC-91			18-DEC-91		
NORTH COORDINATE:	480213			480213			480213			479100			479100		
EAST COORDINATE:	1383000			1383000			1383000			1383000			1383000		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	20.00 %		NV												
CATION EXCHANGE CAPACITY				4.32 MEQ/L		J	6.08 MEQ/L		J	1.31 MEQ/L		J	1.28 MEQ/L		J

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100701	100705	101251	101279	100687
TASK:	03.01.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1744	1744	1745	1745	1746
DEPTH:	0-.5	5-5.5	0-.5	26.5-27	0-.5
DATE COLLECTED:	17-DEC-91	17-DEC-91	16-DEC-91	17-DEC-91	16-DEC-91
NORTH COORDINATE:	478500	478500	478500	478500	478000
EAST COORDINATE:	1383000	1383000	1382000	1382000	1382500
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.00 %		NV				18.00 %		NV				18.00 %		NV
CATION EXCHANGE CAPACITY				0.80 MEQ/L		J				0.42 MEQ/L		J			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100691			101244			101236			100651			100678		
TASK:	03.01.01			03.01.01			03.01.01			03.01.01			03.01.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1746			1747			1747			1748			1748		
DEPTH:	5-5.5			0-.5			17.5-18			0-.5			31.5-32		
DATE COLLECTED:	16-DEC-91			12-DEC-91			10-DEC-91			09-DEC-91			11-DEC-91		
NORTH COORDINATE:	478000			477600			477600			477300			477300		
EAST COORDINATE:	1382500			1382500			1382500			1382500			1382500		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			DL-NA			NONE-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															
% MOISTURE				18.00 %		NV				20.00 %		NV			
CATION EXCHANGE CAPACITY	1.62 MEQ/L		J				6.37 MEQ/L		J				0.92 MEQ/L		J

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	057483	057451	057452	065508	065503
TASK:	3.7	3.7	3.7	04.06	04.06
LAB:	IT/RSL	IT	IT	IT	IT
WELL OR BORING NUMBER:	1778	1778	1778	1779	1783
DEPTH:	-	4-4.5	4.5-5	-	-
DATE COLLECTED:	12-FEB-91	05-FEB-91	05-FEB-91	15-AUG-91	12-AUG-91
NORTH COORDINATE:	480305.19	480305.19	480305.19	480592.55	480690.77
EAST COORDINATE:	1381672.31	1381672.31	1381672.31	1380159.3	1380507.82
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				9.00 % MOISTURE		NV	9.00 % MOISTURE		NV						
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U							1.80 UG/L		U	1.80 UG/L		UJ
2,4-D	12.00 UG/L		U							10.00 UG/L		U	10.00 UG/L		UJ
INORGANICS															
ARSENIC	0.23 MG/L		-							0.10 MG/L		U	0.07 MG/L		U
BARIUM	1.94 MG/L		J							0.56 MG/L		-	0.74 MG/L		-
CADMIUM	0.02 MG/L		-							0.01 MG/L		-	0.01 MG/L		-
CHROMIUM	0.03 MG/L		-							0.08 MG/L		-	0.08 MG/L		-
LEAD	0.12 MG/L		U							0.11 MG/L		-	0.07 MG/L		-
MERCURY	0.00 MG/L		U							0.00 MG/L		U	0.00 MG/L		U
SELENIUM	0.24 MG/L		U							0.16 MG/L		U	0.13 MG/L		U
SILVER	0.07 MG/L		-							0.07 MG/L		-	0.07 MG/L		-
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U							0.50 UG/L		U	0.50 UG/L		UJ
CHLORDANE	1.00 UG/L		U												
ENDRIN	0.10 UG/L		U							0.10 UG/L		U	0.10 UG/L		UJ
GAMMA-BHC (LINDANE)	0.05 UG/L		U							0.05 UG/L		U	0.05 UG/L		UJ
GAMMA-CHLORDANE	0.50 UG/L		U							0.50 UG/L		U	0.50 UG/L		UJ
HEPTACHLOR	0.05 UG/L		U							0.05 UG/L		U	0.05 UG/L		UJ

SAMPLE NUMBER:	057483			057451			057452			065508			065503		
LAB:	IT/RSL									IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE	0.05 UG/L		U							0.05 UG/L		U	0.05 UG/L		UJ
METHOXYCHLOR	0.50 UG/L		U							0.50 UG/L		U	0.50 UG/L		UJ
TOXAPHENE	1.00 UG/L		U							1.00 UG/L		U	1.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U							100.00 UG/L		U	100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
2,4-DINITROTOLUENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
2-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
4-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
HEXACHLOROBENZENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
HEXACHLOROBUTADIENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
HEXACHLOROETHANE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
NITROBENZENE	20.00 UG/L		U							20.00 UG/L		U	20.00 UG/L		UJ
PENTACHLOROPHENOL	100.00 UG/L		U							100.00 UG/L		U	100.00 UG/L		UJ
PYRIDINE	20.00 UG/L		U							20.00 UG/L		R	20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
1,2-DICHLOROETHANE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
2-BUTANONE	10.00 UG/L		U							4.00 UG/L		U	10.00 UG/L		UJ
BENZENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
CARBON TETRACHLORIDE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
CHLOROBENZENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
CHLOROFORM	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
TETRACHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
TRICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U	5.00 UG/L		R
VINYL CHLORIDE	10.00 UG/L		U							10.00 UG/L		U	10.00 UG/L		R

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	065505	065511	099684	099685	067123
TASK:	04.06	04.06	40.03.02	40.03.02	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1784	1785	1790	1790	1791
DEPTH:	-	-	-5	-5	-
DATE COLLECTED:	12-AUG-91	21-AUG-91	17-JUN-91	17-JUN-91	25-JUN-91
NORTH COORDINATE:	480678.39	480270.45	480513.75	480513.75	477812.99
EAST COORDINATE:	1380546.32	1380260.86	1378532.49	1378532.49	1378970.18
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							11.00 %		NV	11.00 %		NV			
ALKALINITY AS CACO3													43.00 MG/L		J
AMMONIA													0.10 MG/L		U
CHLORIDE													1.40 MG/L		J
FLUORIDE													0.60 MG/L		-
NITRATE													2.49 MG/L		J
PH													7.38 SU		-
PHOSPHATE													1.09 MG/L		-
SULFATE													82.30 MG/L		-
TOTAL ORGANIC CARBON													3.95 MG/L		J
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		UJ	1.80 UG/L		U									
2,4-D	10.00 UG/L		UJ	10.00 UG/L		U									
INORGANICS															
ARSENIC	0.10 MG/L		U	0.15 MG/L		U									
BARIUM	1.11 MG/L		-	0.90 MG/L		-									
CADMIUM	0.01 MG/L		-	0.01 MG/L		-									
CHROMIUM	0.08 MG/L		-	0.09 MG/L		-									
LEAD	0.06 MG/L		-	0.09 MG/L		-									
MERCURY	0.00 MG/L		U	0.00 MG/L		U									
SELENIUM	0.11 MG/L		U	0.14 MG/L		U									
SILVER	0.07 MG/L		-	0.08 MG/L		-									
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UJ	20.00 UG/L		U									

SAMPLE NUMBER:	065505			065511			099684			099685			067123		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	R-NA			NONE-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															
ALPHA-CHLORDANE	0.50 UG/L		UJ	0.50 UG/L		U									
ENDRIN	0.10 UG/L		UJ	0.10 UG/L		U									
GAMMA-BHC (LINDANE)	0.05 UG/L		UJ	0.05 UG/L		U									
GAMMA-CHLORDANE	0.50 UG/L		UJ	0.50 UG/L		U									
HEPTACHLOR	0.05 UG/L		UJ	0.05 UG/L		U									
HEPTACHLOR EPOXIDE	0.05 UG/L		UJ	0.05 UG/L		U									
METHOXYCHLOR	0.50 UG/L		UJ	0.50 UG/L		U									
TOXAPHENE	1.00 UG/L		UJ	1.00 UG/L		U									
RADIONUCLIDES															
THORIUM-230													1.90 PCI/L		UJ
THORIUM-232													1.30 PCI/L		U
THORIUM, TOTAL													12.10 UG/L		U
THORIUM-228													1.10 PCI/L		UJ
PLUTONIUM-239/240													1.00 PCI/L		U
PLUTONIUM-238													1.00 PCI/L		U
RUTHENIUM-106													1183.00 PCI/L		UJ
CESIUM-137													20.00 PCI/L		R
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ	20.00 UG/L		U									
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ	100.00 UG/L		U									
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UJ	20.00 UG/L		U									
2,4-DINITROTOLUENE	20.00 UG/L		UJ	20.00 UG/L		U									
2-METHYLPHENOL	20.00 UG/L		UJ	20.00 UG/L		U									
4-METHYLPHENOL	20.00 UG/L		UJ	20.00 UG/L		U									
HEXACHLOROBENZENE	20.00 UG/L		UJ	20.00 UG/L		U									
HEXACHLOROBUTADIENE	20.00 UG/L		UJ	20.00 UG/L		U									
HEXACHLOROETHANE	20.00 UG/L		UJ	20.00 UG/L		U									
NITROBENZENE	20.00 UG/L		UJ	20.00 UG/L		U									
PENTACHLOROPHENOL	100.00 UG/L		UJ	100.00 UG/L		U									
PYRIDINE	20.00 UG/L		UJ	20.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		R	5.00 UG/L		U									
1,2-DICHLOROETHANE	5.00 UG/L		R	5.00 UG/L		U									
2-BUTANONE	10.00 UG/L		UJ	10.00 UG/L		U									
BENZENE	5.00 UG/L		R	5.00 UG/L		U									
CARBON TETRACHLORIDE	5.00 UG/L		R	5.00 UG/L		U									
CHLOROBENZENE	5.00 UG/L		R	5.00 UG/L		U									
CHLOROFORM	5.00 UG/L		R	5.00 UG/L		U									
TETRACHLOROETHENE	5.00 UG/L		R	5.00 UG/L		U									

SAMPLE NUMBER:	065505			065511			099684			099685			067123		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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)
VOLATILES															
TRICHLOROETHENE	5.00 UG/L		R	5.00 UG/L		U									
VINYL CHLORIDE	10.00 UG/L		R	10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067124	067125	067128	067122	067360
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1791	1791	1791	1791	1792
DEPTH:	-	-	-	28.5-30	-
DATE COLLECTED:	25-JUN-91	25-JUN-91	25-JUN-91	25-JUN-91	22-AUG-91
NORTH COORDINATE:	477812.99	477812.99	477812.99	477812.99	477280.15
EAST COORDINATE:	1378970.18	1378970.18	1378970.18	1378970.18	1379372.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE										18.00 %		NV			
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U				1.80 UG/L		U				1.80 UG/L		U
2,4-D	10.00 UG/L		U				10.00 UG/L		U				10.00 UG/L		U
INORGANICS															
ARSENIC	0.25 MG/L		U				0.08 MG/L		-				0.25 MG/L		U
BARIUM	2.15 MG/L		-				0.35 MG/L		-				0.97 MG/L		-
CADMIUM	0.02 MG/L		J				0.00 MG/L		-				0.01 MG/L		U
CHROMIUM	0.08 MG/L		-				0.03 MG/L		-				0.09 MG/L		-
LEAD	0.10 MG/L		-				0.04 MG/L		U				0.08 MG/L		-
MERCURY	0.00 MG/L		U				0.00 MG/L		U				0.00 MG/L		U
SELENIUM	0.24 MG/L		-				0.08 MG/L		U				0.12 MG/L		-
SILVER	0.07 MG/L		J				0.02 MG/L		J				0.08 MG/L		-
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U				0.50 UG/L		UJ
ENDRIN	0.10 UG/L		U				0.10 UG/L		U				0.10 UG/L		UR
GAMMA-BHC (LINDANE)	0.05 UG/L		U				0.05 UG/L		U				0.05 UG/L		UJ
GAMMA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U				0.50 UG/L		UJ
HEPTACHLOR	0.05 UG/L		U				0.05 UG/L		U				0.05 UG/L		UR
HEPTACHLOR EPOXIDE	0.05 UG/L		U				0.05 UG/L		U				0.05 UG/L		UR

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SAMPLE NUMBER:	067124			067125			067128			067122			067360		
LAB:	IT						IT						IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-NA			-			R-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															
METHOXYCHLOR	0.50 UG/L		U				0.50 UG/L		U				0.50 UG/L		UR
TOXAPHENE	1.00 UG/L		U				1.00 UG/L		U				1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UR				100.00 UG/L		UR				100.00 UG/L		U
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
2,4-DINITROTOLUENE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
2-METHYLPHENOL	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
4-METHYLPHENOL	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
HEXACHLOROBENZENE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
HEXACHLOROBUTADIENE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
HEXACHLOROETHANE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
NITROBENZENE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
PENTACHLOROPHENOL	100.00 UG/L		UR				100.00 UG/L		UR				100.00 UG/L		U
PYRIDINE	20.00 UG/L		UR				20.00 UG/L		UR				20.00 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE				5.00 UG/L		U									
1,1,2,2-TETRACHLOROETHANE				5.00 UG/L		U									
1,1,2-TRICHLOROETHANE				5.00 UG/L		U									
1,1-DICHLOROETHANE				5.00 UG/L		U									
1,1-DICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
1,2-DICHLOROETHANE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
1,2-DICHLOROETHENE (TOTAL)				5.00 UG/L		U									
1,2-DICHLOROPROPANE				5.00 UG/L		U									
2-BUTANONE	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U				2.00 UG/L		J
2-HEXANONE				10.00 UG/L		U									
4-METHYL-2-PENTANONE				10.00 UG/L		U									
ACETONE				9.00 UG/L		U									
BENZENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
BROMODICHLOROMETHANE				5.00 UG/L		U									
BROMOFORM				5.00 UG/L		U									
BROMOMETHANE				10.00 UG/L		U									
CARBON DISULFIDE				5.00 UG/L		U									
CARBON TETRACHLORIDE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		UJ
CHLOROBENZENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CHLOROETHANE				10.00 UG/L		U									
CHLOROFORM	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CHLOROMETHANE				10.00 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5.00 UG/L		U									
DIBROMOCHLOROMETHANE				5.00 UG/L		U									
ETHYLBENZENE				5.00 UG/L		U									

SAMPLE NUMBER:	067124			067125			067128			067122			067360		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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)
VOLATILES															
METHYLENE CHLORIDE				10.00 UG/L		-									
STYRENE				5.00 UG/L		U									
TETRACHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
TOLUENE				5.00 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5.00 UG/L		U									
TRICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
VINYL ACETATE				10.00 UG/L		U									
VINYL CHLORIDE	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U				10.00 UG/L		U
XYLENES, TOTAL				5.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067342			067343			067346			067350			067353		
TASK:	20.03.01			20.03.01			20.03.01			20.03.01			20.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1792			1792			1792			1792			1792		
DEPTH:	0-1.5			1.5-3			6-7.5			12-13.5			16.5-18		
DATE COLLECTED:	21-AUG-91			21-AUG-91			21-AUG-91			21-AUG-91			22-AUG-91		
NORTH COORDINATE:	477280.15			477280.15			477280.15			477280.15			477280.15		
EAST COORDINATE:	1379372.54			1379372.54			1379372.54			1379372.54			1379372.54		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	0.00 % MOISTURE		NV	10.00 %		NV	7.00 % MOISTURE		NV	15.00 %		NV	15.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067356	067362	067361	067333	067335
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1792	1792	1793	1793	1793
DEPTH:	21.5-23	28-29.5	-	3-4.5	6-7.5
DATE COLLECTED:	22-AUG-91	22-AUG-91	22-AUG-91	15-AUG-91	20-AUG-91
NORTH COORDINATE:	477280.15	477280.15	477464.98	477464.98	477464.98
EAST COORDINATE:	1379372.54	1379372.54	1379446.76	1379446.76	1379446.76
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.00 %		NV							7.00 % MOISTURE		NV			
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U	1.80 UG/L		U				1.80 UG/L		U
2,4-D				10.00 UG/L		U	10.00 UG/L		U				10.00 UG/L		U
INORGANICS															
ARSENIC				0.25 MG/L		U	0.25 MG/L		U				0.25 MG/L		U
BARIUM				0.87 MG/L		-	0.56 % RECOVERY		NV				0.69 MG/L		-
CADMIUM				0.01 MG/L		U	0.01 % RECOVERY		UNV				0.02 MG/L		-
CHROMIUM				0.12 MG/L		-	0.08 % RECOVERY		NV				0.12 MG/L		-
LEAD				0.15 MG/L		-	0.05 % RECOVERY		NV				0.16 MG/L		-
MERCURY				0.00 MG/L		U	0.00 MG/L		U				0.00 MG/L		U
SELENIUM				0.16 MG/L		-	0.10 MG/L		-				0.17 MG/L		-
SILVER				0.10 MG/L		-	0.07 % RECOVERY		NV				0.09 MG/L		-
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		UJ	0.50 UG/L		UJ				0.50 UG/L		UJ
CHLORDANE													0.50 UG/L		U
ENDRIN				0.10 UG/L		UR	0.10 UG/L		U				0.12 UG/L		UR
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ	0.05 UG/L		UJ				0.05 UG/L		UJ
GAMMA-CHLORDANE				0.50 UG/L		UR	0.50 UG/L		UR				0.50 UG/L		UJ
HEPTACHLOR				0.05 UG/L		UR	0.05 UG/L		U				0.06 UG/L		UR

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SAMPLE NUMBER:	067356			067362			067361			067333			067335		
LAB:				IT			IT						IT		
SUFFIX/FILTERFLAG:	-			R-NA			NONE-NA			-			R-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															
HEPTACHLOR EPOXIDE				0.05 UG/L		UR	0.05 UG/L		UR				0.05 UG/L		UJ
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		UR				0.62 UG/L		UR
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U				1.20 UG/L		UR
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U				100.00 UG/L		U
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
2,4-DINITROTOLUENE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
2-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
4-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
HEXACHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
HEXACHLOROBUTADIENE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
HEXACHLOROETHANE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
NITROBENZENE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
PENTACHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U				100.00 UG/L		U
PYRIDINE				20.00 UG/L		U	20.00 UG/L		U				20.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
2-BUTANONE				3.00 UG/L		J	2.00 UG/L		J				2.00 UG/L		J
BENZENE				5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		UJ	5.00 UG/L		UJ				5.00 UG/L		UJ
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
TETRACHLOROETHENE				1.00 UG/L		J	5.00 UG/L		U				5.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U				5.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U				10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067324	067326	067328	067367	067369
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1794	1794	1794	1795	1795
DEPTH:	0-1	1.5-2	2-2.5	0-1	2-3
DATE COLLECTED:	13-AUG-91	13-AUG-91	13-AUG-91	23-AUG-91	23-AUG-91
NORTH COORDINATE:	477954.24	477954.24	477954.24	477941.43	477941.43
EAST COORDINATE:	1379281.59	1379281.59	1379281.59	1379648.49	1379648.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV				7.00 % MOISTURE		NV	13.00 %		NV			
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U				1.80 UG/L		U			
2,4-D				10.00 UG/L		U				10.00 UG/L		U			
INORGANICS															
ARSENIC				0.10 MG/L		U				0.15 MG/L		U			
BARIUM				0.62 MG/L		-				0.90 MG/L		-			
CADMIUM				0.01 MG/L		-				0.01 MG/L		-			
CHROMIUM				0.08 MG/L		-				0.09 MG/L		-			
LEAD				0.08 MG/L		-				0.08 MG/L		-			
MERCURY				0.00 MG/L		U				0.00 MG/L		U			
SELENIUM				0.14 MG/L		-				0.13 MG/L		-			
SILVER				0.07 MG/L		-				0.08 MG/L		-			
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		U			
CHLORDANE										0.50 UG/L		U			
ENDRIN				0.10 UG/L		U				0.10 UG/L		U			
GAMMA-BHC (LINDANE)				0.05 UG/L		U				0.05 UG/L		U			
GAMMA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		U			
HEPTACHLOR				0.05 UG/L		U				0.05 UG/L		U			

SAMPLE NUMBER:	067324			067326			067328			067367			067369		
LAB:				IT						IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			-			NONE-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															
HEPTACHLOR EPOXIDE				0.05 UG/L		U				0.05 UG/L		U			
METHOXYCHLOR				0.50 UG/L		U				0.50 UG/L		U			
TOXAPHENE				1.00 UG/L		U				1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		UR			
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U				20.00 UG/L		UR			
2,4-DINITROTOLUENE				20.00 UG/L		U				20.00 UG/L		U			
2-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		UR			
4-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROBUTADIENE				20.00 UG/L		U				20.00 UG/L		U			
HEXACHLOROETHANE				20.00 UG/L		U				20.00 UG/L		U			
NITROBENZENE				20.00 UG/L		U				20.00 UG/L		U			
PENTACHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		U			
PYRIDINE				20.00 UG/L		U				20.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U							5.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U							5.00 UG/L		U
2-BUTANONE				2.00 UG/L		U							10.00 UG/L		R
BENZENE				5.00 UG/L		U							5.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		U							5.00 UG/L		U
CHLOROBENZENE				5.00 UG/L		U							5.00 UG/L		U
CHLOROFORM				5.00 UG/L		U							5.00 UG/L		U
TETRACHLOROETHENE				5.00 UG/L		U							5.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U							5.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U							10.00 UG/L		UJ

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067370			039000			039001			039009			039010		
TASK:	20.03.01			04.08			04.08			04.08			04.08		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1795			1796			1796			1796			1796		
DEPTH:	3-4			0-.5			0-.5			5-7			9-11		
DATE COLLECTED:	23-AUG-91			21-SEP-91			21-SEP-91			22-SEP-91			22-SEP-91		
NORTH COORDINATE:	477941.43			480294.65			480294.65			480294.65			480294.65		
EAST COORDINATE:	1379648.49			1380415.59			1380415.59			1380415.59			1380415.59		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	12.00 %		NV				10.00 %		NV	17.30 %		-	18.10 %		-
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		UJ									
2,4-D				10.00 UG/L		UJ									
INORGANICS															
ARSENIC				0.25 MG/L		UJ									
BARIUM				0.55 MG/L		J									
CADMIUM				0.01 MG/L		U									
CHROMIUM				0.08 MG/L		J									
LEAD				0.05 MG/L		J									
MERCURY				0.00 MG/L		U									
SELENIUM				0.08 MG/L		UJ									
SILVER				0.07 MG/L		J									
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		UJ									
ENDRIN				0.10 UG/L		UJ									
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ									
GAMMA-CHLORDANE				0.50 UG/L		UJ									
HEPTACHLOR				0.05 UG/L		UJ									
HEPTACHLOR EPOXIDE				0.05 UG/L		UJ									

6416

SAMPLE NUMBER:	067370			039000			039001			039009			039010		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
METHOXYCHLOR				0.50 UG/L		UJ									
TOXAPHENE				1.00 UG/L		UJ									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U									
2,4-DINITROTOLUENE				20.00 UG/L		UJ									
2-METHYLPHENOL				20.00 UG/L		U									
4-METHYLPHENOL				20.00 UG/L		U									
HEXACHLOROBENZENE				20.00 UG/L		U									
HEXACHLOROBUTADIENE				20.00 UG/L		U									
HEXACHLOROETHANE				20.00 UG/L		U									
NITROBENZENE				20.00 UG/L		U									
PENTACHLOROPHENOL				100.00 UG/L		U									
PYRIDINE				20.00 UG/L		UJ									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U									
1,2-DICHLOROETHANE				5.00 UG/L		U									
2-BUTANONE				10.00 UG/L		UJ									
BENZENE				5.00 UG/L		U									
CARBON TETRACHLORIDE				5.00 UG/L		U									
CHLOROBENZENE				5.00 UG/L		U									
CHLOROFORM				5.00 UG/L		U									
TETRACHLOROETHENE				1.00 UG/L		J									
TRICHLOROETHENE				5.00 UG/L		U									
VINYL CHLORIDE				10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
- SOILS - TCLP/EPTOX

SAMPLE NUMBER:	039011	039082	039083	039088	039089
TASK:	04.08	04.08	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1796	1797	1797	1797	1797
DEPTH:	13-15	0-.5	0-.5	5-8	9-12
DATE COLLECTED:	22-SEP-91	22-OCT-91	22-OCT-91	23-OCT-91	23-OCT-91
NORTH COORDINATE:	480294.65	480209.16	480209.16	480209.16	480209.16
EAST COORDINATE:	1380415.59	1380460.71	1380460.71	1380460.71	1380460.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.80 %		-				8.00 % MOISTURE		NV	18.50 %		-	22.60 %		-
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U									
2,4-D				10.00 UG/L		U									
INORGANICS															
ARSENIC				0.05 MG/L		UJ									
BARIUM				0.73 MG/L		J									
CADMIUM				0.01 MG/L		J									
CHROMIUM				0.10 MG/L		J									
LEAD				0.07 MG/L		J									
MERCURY				0.00 MG/L		U									
SELENIUM				0.08 MG/L		UJ									
SILVER				0.08 MG/L		J									
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U									
ENDRIN				0.10 UG/L		U									
GAMMA-BHC (LINDANE)				0.05 UG/L		U									
GAMMA-CHLORDANE				0.50 UG/L		U									
HEPTACHLOR				0.05 UG/L		U									
HEPTACHLOR EPOXIDE				0.05 UG/L		U									

000443

6416

SAMPLE NUMBER:	039011			039082			039083			039088			039089		
LAB:				IT											
SUFFIX/FILTERFLAG:	-			NONE-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															
METHOXYCHLOR				0.50 UG/L		U									
TOXAPHENE				1.00 UG/L		U									
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U									
2,4-DINITROTOLUENE				20.00 UG/L		UJ									
2-METHYLPHENOL				20.00 UG/L		U									
4-METHYLPHENOL				20.00 UG/L		U									
HEXACHLOROBENZENE				20.00 UG/L		UJ									
HEXACHLOROBUTADIENE				20.00 UG/L		U									
HEXACHLOROETHANE				20.00 UG/L		U									
NITROBENZENE				20.00 UG/L		U									
PENTACHLOROPHENOL				100.00 UG/L		U									
PYRIDINE				20.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U									
1,2-DICHLOROETHANE				5.00 UG/L		U									
2-BUTANONE				3.00 UG/L		J									
BENZENE				5.00 UG/L		U									
CARBON TETRACHLORIDE				5.00 UG/L		U									
CHLOROBENZENE				5.00 UG/L		U									
CHLOROFORM				5.00 UG/L		U									
TETRACHLOROETHENE				5.00 UG/L		U									
TRICHLOROETHENE				5.00 UG/L		U									
VINYL CHLORIDE				10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	039090	039091	039075	039098	039016
TASK:	04.08	04.08	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1797	1797	1798	1799	1800
DEPTH:	13-16	17-20	0-.5	0-.5	0-.5
DATE COLLECTED:	23-OCT-91	23-OCT-91	17-OCT-91	24-OCT-91	02-OCT-91
NORTH COORDINATE:	480209.16	480209.16	480202.72	480200.16	480225.03
EAST COORDINATE:	1380460.71	1380460.71	1380458.88	1380472.37	1380391.58
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.80 %		-	29.70 %		-									
HERBICIDES															
2,4,5-TP (SILVEX)							1.80 UG/L		U	1.80 UG/L		U	2.40 UG/L		U
2,4-D							10.00 UG/L		U	10.00 UG/L		U	14.00 UG/L		U
INORGANICS															
ARSENIC							0.25 MG/L		UJ	0.25 MG/L		UJ	0.25 MG/L		UJ
BARIUM							0.95 MG/L		J	1.28 MG/L		J	1.04 MG/L		J
CADMIUM							0.01 MG/L		U	0.01 MG/L		U	0.01 MG/L		-
CHROMIUM							0.09 MG/L		J	0.09 MG/L		J	0.12 MG/L		J
LEAD							0.06 MG/L		J	0.06 MG/L		J	0.16 MG/L		J
MERCURY							0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
SELENIUM							0.08 MG/L		UJ	0.09 MG/L		J	0.13 MG/L		J
SILVER							0.08 MG/L		J	0.07 MG/L		J	0.10 MG/L		J
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		UJ
ENDRIN							0.10 UG/L		U	0.10 UG/L		U	0.10 UG/L		UJ
GAMMA-BHC (LINDANE)							0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ
GAMMA-CHLORDANE							0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		UJ
HEPTACHLOR							0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ
HEPTACHLOR EPOXIDE							0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ

000445

6416

SAMPLE NUMBER:	039090			039091			039075			039098			039016		
LAB:							IT			IT			IT		
SUFFIX/FILTERFLAG:	-			-			NONE-NA			NONE-NA			R-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															
METHOXYCHLOR							0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		UJ
TOXAPHENE							1.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		U
2,4,5-TRICHLOROPHENOL							100.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		U
2,4,6-TRICHLOROPHENOL							20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U
2,4-DINITROTOLUENE							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		U
2-METHYLPHENOL							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		U
4-METHYLPHENOL							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		U
HEXACHLOROBENZENE							20.00 UG/L		UJ	20.00 UG/L		U	20.00 UG/L		R
HEXACHLOROBUTADIENE							20.00 UG/L		UJ	20.00 UG/L		UJ	20.00 UG/L		U
HEXACHLOROETHANE							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		U
NITROBENZENE							20.00 UG/L		UJ	20.00 UG/L		UJ	20.00 UG/L		U
PENTACHLOROPHENOL							100.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		R
PYRIDINE							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE							10.00 UG/L		U	4.00 UG/L		U	10.00 UG/L		U
BENZENE							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE							1.00 UG/L		J	5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE							5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE							10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	039052	039059	039060	039069	039070
TASK:	04.08	04.08	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1801	1802	1802	1802	1802
DEPTH:	0-.5	0-.5	0-.5	5-8	9-12
DATE COLLECTED:	10-OCT-91	15-OCT-91	15-OCT-91	16-OCT-91	16-OCT-91
NORTH COORDINATE:	480186.51	480194.47	480194.47	480194.47	480194.47
EAST COORDINATE:	1380344.99	1380368.08	1380368.08	1380368.08	1380368.08
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							12.00 %		NV	14.10 %		NV	20.40 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U	1.80 UG/L		U									
2,4-D	10.00 UG/L		U	10.00 UG/L		U									
INORGANICS															
ARSENIC	0.25 MG/L		U	0.25 MG/L		UJ									
BARIUM	0.79 MG/L		-	0.97 MG/L		J									
CADMIUM	0.01 MG/L		U	0.01 MG/L		U									
CHROMIUM	0.09 MG/L		-	0.09 MG/L		J									
LEAD	0.08 MG/L		-	0.06 MG/L		J									
MERCURY	0.00 MG/L		U	0.00 MG/L		U									
SELENIUM	0.10 MG/L		-	0.08 MG/L		UJ									
SILVER	0.08 MG/L		-	0.08 MG/L		J									
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		R	20.00 UG/L		U									
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U									
ENDRIN	0.10 UG/L		U	0.10 UG/L		U									
GAMMA-BHC (LINDANE)	0.05 UG/L		U	0.05 UG/L		U									
GAMMA-CHLORDANE	0.50 UG/L		U	0.50 UG/L		U									
HEPTACHLOR	0.05 UG/L		U	0.05 UG/L		U									
HEPTACHLOR EPOXIDE	0.05 UG/L		U	0.05 UG/L		U									

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6418

SAMPLE NUMBER:	039052			039059			039060			039069			039070		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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															
METHOXYCHLOR	0.50 UG/L		U	0.50 UG/L		U									
TOXAPHENE	1.00 UG/L		U	1.00 UG/L		U									
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		R	20.00 UG/L		UJ									
2,4,5-TRICHLOROPHENOL	100.00 UG/L		R	100.00 UG/L		U									
2,4,6-TRICHLOROPHENOL	20.00 UG/L		R	20.00 UG/L		U									
2,4-DINITROTOLUENE	20.00 UG/L		R	20.00 UG/L		UJ									
2-METHYLPHENOL	20.00 UG/L		U	20.00 UG/L		U									
4-METHYLPHENOL	20.00 UG/L		R	20.00 UG/L		U									
HEXACHLOROBENZENE	20.00 UG/L		U	20.00 UG/L		U									
HEXACHLOROBUTADIENE	20.00 UG/L		U	20.00 UG/L		U									
HEXACHLOROETHANE	20.00 UG/L		U	20.00 UG/L		U									
NITROBENZENE	20.00 UG/L		U	20.00 UG/L		U									
PENTACHLOROPHENOL	100.00 UG/L		R	100.00 UG/L		U									
PYRIDINE	20.00 UG/L		R	20.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U									
1,2-DICHLOROETHANE	5.00 UG/L		U	5.00 UG/L		U									
2-BUTANONE	10.00 UG/L		J	10.00 UG/L		U									
BENZENE	5.00 UG/L		U	5.00 UG/L		U									
CARBON TETRACHLORIDE	5.00 UG/L		U	5.00 UG/L		U									
CHLOROBENZENE	5.00 UG/L		U	5.00 UG/L		U									
CHLOROFORM	5.00 UG/L		U	5.00 UG/L		U									
TETRACHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U									
TRICHLOROETHENE	1.00 UG/L		J	5.00 UG/L		U									
VINYL CHLORIDE	10.00 UG/L		U	10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	039071	039040	039028	039046	039034
TASK:	04.08	04.08	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1802	1803	1804	1806	1807
DEPTH:	13-16	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:	16-OCT-91	07-OCT-91	05-OCT-91	09-OCT-91	06-OCT-91
NORTH COORDINATE:	480194.47	480193.58	480192.9	480182.76	480181.42
EAST COORDINATE:	1380368.08	1380391.44	1380412.05	1380380.49	1380410.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.20 %		NV												
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U	1.80 UG/L		U	1.80 UG/L		UJ	1.80 UG/L		U
2,4-D				10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		U
INORGANICS															
ARSENIC				0.25 MG/L		UJ	0.25 MG/L		UJ	0.25 MG/L		UJ	0.25 MG/L		UJ
BARIUM				1.10 MG/L		J	0.89 MG/L		UJ	0.50 MG/L		J	0.99 MG/L		J
CADMIUM				0.01 MG/L		U	0.02 MG/L		-	0.01 MG/L		U	0.01 MG/L		-
CHROMIUM				0.09 MG/L		J	0.14 MG/L		J	0.08 MG/L		J	0.13 MG/L		J
LEAD				0.07 MG/L		J	0.16 MG/L		J	0.08 MG/L		J	0.20 MG/L		J
MERCURY				0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
SELENIUM				0.08 MG/L		UJ	0.14 MG/L		J	0.09 MG/L		J	0.17 MG/L		J
SILVER				0.08 MG/L		J	0.11 MG/L		J	0.07 MG/L		J	0.10 MG/L		J
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U	110.00 UG/L		J	20.00 UG/L		U
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U
ENDRIN				0.10 UG/L		U	0.10 UG/L		U	0.10 UG/L		U	0.10 UG/L		U
GAMMA-BHC (LINDANE)				0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U
GAMMA-CHLORDANE				0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U
HEPTACHLOR				0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U
HEPTACHLOR EPOXIDE				0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U	0.05 UG/L		U

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06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	039071			039040			039028			039046			039034		
LAB:				IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			NONE-NA			NONE-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															
METHOXYCHLOR				0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U	0.50 UG/L		U
TOXAPHENE				1.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U	100.00 UG/L		U	14.00 UG/L		J	100.00 UG/L		U
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U	20.00 UG/L		U	14.00 UG/L		J	20.00 UG/L		U
2,4-DINITROTOLUENE				20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		R	20.00 UG/L		U
2-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U	110.00 UG/L		R	20.00 UG/L		U
4-METHYLPHENOL				20.00 UG/L		U	20.00 UG/L		U	72.00 UG/L		J	20.00 UG/L		U
HEXACHLOROBENZENE				20.00 UG/L		U	20.00 UG/L		R	190.00 UG/L		J	20.00 UG/L		R
HEXACHLOROBUTADIENE				20.00 UG/L		U	20.00 UG/L		U	100.00 UG/L		J	20.00 UG/L		U
HEXACHLOROETHANE				20.00 UG/L		U	20.00 UG/L		U	120.00 UG/L		J	20.00 UG/L		U
NITROBENZENE				20.00 UG/L		U	20.00 UG/L		U	160.00 UG/L		J	20.00 UG/L		U
PENTACHLOROPHENOL				100.00 UG/L		UJ	100.00 UG/L		R	19.00 UG/L		J	7.00 UG/L		U
PYRIDINE				20.00 UG/L		U	20.00 UG/L		U	120.00 UG/L		J	20.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE				10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		U
BENZENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE				2.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067394	067396	067397	067402	067401
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1808	1808	1808	1808	1808
DEPTH:	3-4.5	7.5-9	9-10.5	0-12.7	15-16.5
DATE COLLECTED:	27-AUG-91	27-AUG-91	27-AUG-91	27-AUG-91	27-AUG-91
NORTH COORDINATE:	482142.91	482142.91	482142.91	482142.91	482142.91
EAST COORDINATE:	1379622.56	1379622.56	1379622.56	1379622.56	1379622.56
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	9.00 % MOISTURE		NV	19.00 %		NV							12.00 %		NV
ALKALINITY AS CACO3							48.00 MG/L		-	45.00 MG/L		-			
AMMONIA							0.10 MG/L		U	0.10 MG/L		-			
CHLORIDE							0.96 MG/L		-	0.93 MG/L		-			
FLUORIDE							1.50 MG/L		-	1.40 MG/L		-			
NITRATE							5.58 MG/L		-	5.58 MG/L		-			
PH							7.28 SU		-	7.22 SU		-			
PHOSPHATE							0.04 MG/L		-	0.03 MG/L		-			
SULFATE							9.19 MG/L		-	16.50 MG/L		-			
TOTAL ORGANIC CARBON							8.13 MG/L		-	4.38 MG/L		-			
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U			
2,4-D										10.00 UG/L		U			
INORGANICS															
ALUMINUM							0.63 MG/L		-	0.97 MG/L		-			
ANTIMONY							0.03 MG/L		U	0.03 MG/L		U			
ARSENIC							0.05 MG/L		U	0.05 MG/L		U			
BARIUM							0.06 MG/L		-	0.16 MG/L		-			
BERYLLIUM							0.00 MG/L		U	0.00 MG/L		U			
CADMIUM							0.00 MG/L		U	0.00 MG/L		U			
CALCIUM							19.00 MG/L		-	17.30 MG/L		-			
CHROMIUM							0.01 MG/L		U	0.01 MG/L		U			
COBALT							0.01 MG/L		U	0.01 MG/L		U			
COPPER							0.01 MG/L		U	0.01 MG/L		U			
IRON							0.47 MG/L		-	0.82 MG/L		-			
LEAD							0.04 MG/L		U	0.00 MG/L		-			

SAMPLE NUMBER:	067394			067396			067397			067402			067401		
LAB:							IT			IT					
SUFFIX/FILTERFLAG:	-			-			-6-NA			-9-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)
INORGANICS															
MAGNESIUM							4.46 MG/L		-	4.59 MG/L		-			
MANGANESE							0.00 MG/L		-	0.01 MG/L		-			
MERCURY							0.00 MG/L		U	0.00 MG/L		U			
MOLYBDENUM							0.01 MG/L		U	0.01 MG/L		U			
NICKEL							0.02 MG/L		U	0.02 MG/L		U			
POTASSIUM							0.27 MG/L		-	0.49 MG/L		-			
SELENIUM							0.08 MG/L		U	0.00 MG/L		U			
SILICON							2.98 MG/L		-	3.46 MG/L		-			
SILVER							0.01 MG/L		U	0.01 MG/L		U			
SODIUM							0.97 MG/L		-	2.28 MG/L		-			
THALLIUM							0.00 MG/L		U	0.00 MG/L		U			
VANADIUM							0.01 MG/L		U	0.01 MG/L		U			
ZINC							0.07 MG/L		-	0.18 MG/L		-			
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		U						
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U			
ENDRIN										0.10 UG/L		U			
GAMMA-BHC (LINDANE)										0.05 UG/L		U			
GAMMA-CHLORDANE										0.50 UG/L		U			
HEPTACHLOR										0.05 UG/L		U			
HEPTACHLOR EPOXIDE										0.05 UG/L		U			
METHOXYCHLOR										0.50 UG/L		U			
TOXAPHENE										1.00 UG/L		U			
RADIONUCLIDES															
URANIUM-238							12.60 PCI/L	2.7	J	41.50 PCI/L	6.8	J			
URANIUM-234							8.74 PCI/L	2.18	R	24.20 PCI/L	4.7	R			
THORIUM-230							1.00 PCI/L		UJ	1.00 PCI/L		UJ			
RADIUM-226							1.00 PCI/L		U	1.00 PCI/L		U			
URANIUM-235/236							1.00 PCI/L		R	3.23 PCI/L	1.45	R			
THORIUM-232							1.00 PCI/L		U	1.00 PCI/L		U			
THORIUM, TOTAL							2.10 UG/L		U	4.00 UG/L		U			
RADIUM-228							3.00 PCI/L		UJ	3.00 PCI/L		UJ			
THORIUM-228							1.00 PCI/L		UJ	1.00 PCI/L		UJ			
NEPTUNIUM-237							1.00 PCI/L		UJ	1.00 PCI/L		U			
PLUTONIUM-239/240							1.00 PCI/L		U	1.00 PCI/L		U			
PLUTONIUM-238							1.00 PCI/L		U	1.00 PCI/L		U			
STRONTIUM-90							5.00 PCI/L		R	5.00 PCI/L		R			
TECHNETIUM-99							30.00 PCI/L		UJ	30.00 PCI/L		R			

SAMPLE NUMBER:	067394			067396			067397			067402			067401		
LAB:							IT			IT					
SUFFIX/FILTERFLAG:	-			-			-9-NA			-9-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)
RADIONUCLIDES															
RUTHENIUM-106							184.00 PCI/L		UJ	184.00 PCI/L		R			
CESIUM-137							22.00 PCI/L		UJ	20.00 PCI/L		R			
SEMIVOLATILES															
1,4-DICHLOROBENZENE							20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL							100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL							20.00 UG/L		U						
2,4-DINITROTOLUENE							20.00 UG/L		U						
2-METHYLPHENOL							20.00 UG/L		U						
4-METHYLPHENOL							20.00 UG/L		U						
HEXACHLOROBENZENE							20.00 UG/L		U						
HEXACHLOROBUTADIENE							20.00 UG/L		U						
HEXACHLOROETHANE							20.00 UG/L		U						
NITROBENZENE							20.00 UG/L		U						
PENTACHLOROPHENOL							100.00 UG/L		U						
PYRIDINE							20.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U						
1,2-DICHLOROETHANE							5.00 UG/L		UJ						
2-BUTANONE							5.00 UG/L		J						
BENZENE							5.00 UG/L		U						
CARBON TETRACHLORIDE							5.00 UG/L		UJ						
CHLOROBENZENE							5.00 UG/L		UJ						
CHLOROFORM							5.00 UG/L		U						
TETRACHLOROETHENE							1.00 UG/L		J						
TRICHLOROETHENE							5.00 UG/L		U						
VINYL CHLORIDE							10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067503			067504			067505			067507			067506		
TASK:	20.03.01			20.03.01			20.03.01			20.03.01			20.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1820			1820			1820			1820			1820		
DEPTH:	1.5-3			3-4.5			6-7.5			0-9.5			9.5-12		
DATE COLLECTED:	16-OCT-91			16-OCT-91			16-OCT-91			16-OCT-91			16-OCT-91		
NORTH COORDINATE:	477414.33			477414.33			477414.33			477414.33			477414.33		
EAST COORDINATE:	1379888.2			1379888.2			1379888.2			1379888.2			1379888.2		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	22.00 %		NV				21.00 %		NV				19.00 %		NV
ALKALINITY AS CACO3										28.00 MG/L		-			
AMMONIA										0.10 MG/L		U			
CHLORIDE										0.50 MG/L		UJ			
FLUORIDE										0.30 MG/L		J			
NITRATE										148.00 MG/L		J			
PHOSPHATE										0.13 MG/L		J			
SULFATE										30.30 MG/L		J			
HERBICIDES															
2,4,5-TP (SILVEX)										1.80 UG/L		U			
2,4-D										10.00 UG/L		U			
INORGANICS															
ALUMINUM										0.06 MG/L		U			
ANTIMONY										0.03 MG/L		U			
ARSENIC										0.05 MG/L		U			
BARIUM										0.21 MG/L		-			
BERYLLIUM										0.00 MG/L		U			
BORON										0.39 MG/L		U			
CADMIUM										0.00 MG/L		-			
CALCIUM										12.90 MG/L		-			
CHROMIUM										0.02 MG/L		-			
COBALT										0.01 MG/L		U			
COPPER										0.02 MG/L		-			
IRON										0.02 MG/L		U			
LEAD										0.04 MG/L		U			
MAGNESIUM										2.46 MG/L		-			

SAMPLE NUMBER:	067503			067504			067505			067507			067506		
LAB:										IT-KNOX					
SUFFIX/FILTERFLAG:	-			-			-			-6-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)
INORGANICS															
MANGANESE										0.00 MG/L		U			
MERCURY										0.00 MG/L		U			
MOLYBDENUM										0.03 MG/L		-			
NICKEL										0.02 MG/L		U			
POTASSIUM										4.35 MG/L		-			
SELENIUM										0.08 MG/L		U			
SILICON										2.50 MG/L		-			
SILVER										0.02 MG/L		-			
SODIUM										1.48 MG/L		-			
THALLIUM										0.15 MG/L		U			
VANADIUM										0.02 MG/L		-			
ZINC										0.11 MG/L		U			
No sort code listed.															
3-METHYLPHENOL				20.00 UG/L		U									
PESTICIDES															
ALPHA-CHLORDANE										0.50 UG/L		U			
CHLORDANE										0.50 UG/L		U			
ENDRIN										0.10 UG/L		U			
GAMMA-BHC (LINDANE)										0.05 UG/L		U			
GAMMA-CHLORDANE										0.50 UG/L		U			
HEPTACHLOR										0.05 UG/L		U			
HEPTACHLOR EPOXIDE										0.05 UG/L		U			
METHOXYCHLOR										0.50 UG/L		U			
TOXAPHENE										1.00 UG/L		U			
RADIONUCLIDES															
URANIUM-238										27.20 PCI/L	4.1	-			
URANIUM-234										25.40 PCI/L	3.9	J			
THORIUM-230										1.02 PCI/L		J			
RADIUM-226										3.00 PCI/L		UJ			
URANIUM-235/236										2.72 PCI/L	.94	J			
THORIUM-232										1.00 PCI/L		U			
THORIUM, TOTAL										4.64 UG/L		-			
RADIUM-228										4.00 PCI/L		U			
THORIUM-228										1.00 PCI/L		UJ			
NEPTUNIUM-237										1.00 PCI/L		R			
PLUTONIUM-239/240										1.00 PCI/L		R			
PLUTONIUM-238										1.00 PCI/L		R			
STRONTIUM-90										5.00 PCI/L		U			
TECHNETIUM-99										30.00 PCI/L		U			

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SAMPLE NUMBER:	067503			067504			067505			067507			067506		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			-9-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)
RADIONUCLIDES															
RUTHENIUM-106										150.00 PCI/L		R			
CESIUM-137										20.00 PCI/L		R			
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U									
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U									
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U									
2,4-DINITROTOLUENE				20.00 UG/L		U									
2-METHYLPHENOL				20.00 UG/L		U									
4-METHYLPHENOL				20.00 UG/L		U									
HEXACHLOROBENZENE				20.00 UG/L		U									
HEXACHLOROBUTADIENE				20.00 UG/L		U									
HEXACHLOROETHANE				20.00 UG/L		U									
NITROBENZENE				20.00 UG/L		U									
PENTACHLOROPHENOL				100.00 UG/L		U									
PYRIDINE				20.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U									
1,2-DICHLOROETHANE				5.00 UG/L		U									
2-BUTANONE				3.00 UG/L		J									
BENZENE				5.00 UG/L		U									
CARBON TETRACHLORIDE				5.00 UG/L		U									
CHLOROBENZENE				5.00 UG/L		U									
CHLOROFORM				5.00 UG/L		U									
TETRACHLOROETHENE				5.00 UG/L		U									
TRICHLOROETHENE				5.00 UG/L		U									
VINYL CHLORIDE				10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	098397	098372	098363	098356	098358
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1836	1836	1837	1837	1837
DEPTH:	-	3-4	-	3-4	6-7
DATE COLLECTED:	09-JUL-92	06-JUL-92	01-JUL-92	01-JUL-92	01-JUL-92
NORTH COORDINATE:	481090.87	481090.87	480839.19	480839.19	480839.19
EAST COORDINATE:	1378734.69	1378734.69	1378727.1	1378727.1	1378727.1
QA TYPE:	DRILL CUTTINGS	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				13.00 %		NV				11.00 %		NV	11.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		UJ				1.80 UG/L		U						
2,4-D	10.00 UG/L		UJ				10.00 UG/L		U						
INORGANICS															
ARSENIC	0.05 MG/L		UJ				0.25 MG/L		U						
BARIUM	0.50 MG/L		J				0.53 MG/L		-						
CADMIUM	0.01 MG/L		UJ				0.03 MG/L		U						
CHROMIUM	0.01 MG/L		UJ				0.01 MG/L		U						
LEAD	0.04 MG/L		UJ				0.20 MG/L		U						
MERCURY	0.00 MG/L		U				0.00 MG/L		U						
SELENIUM	0.08 MG/L		UJ				0.08 MG/L		U						
SILVER	0.01 MG/L		UJ				0.05 MG/L		U						
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U						
ENDRIN	0.10 UG/L		U				0.10 UG/L		U						
GAMMA-BHC (LINDANE)	0.05 UG/L		U				0.05 UG/L		U						
GAMMA-CHLORDANE	0.50 UG/L		U				0.50 UG/L		U						
HEPTACHLOR	0.05 UG/L		U				0.05 UG/L		U						
HEPTACHLOR EPOXIDE	0.05 UG/L		U				0.05 UG/L		U						
METHOXYCHLOR	0.50 UG/L		U				0.50 UG/L		U						
TOXAPHENE	1.00 UG/L		U				1.00 UG/L		U						

SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		U				20.00 UG/L		U						

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	098397			098372			098363			098356			098358		
LAB:	IT						IT								
SUFFIX/FILTERFLAG:	NONE-NA			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U				100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U				20.00 UG/L		U						
2,4-DINITROTOLUENE	20.00 UG/L		U				20.00 UG/L		U						
2-METHYLPHENOL	20.00 UG/L		U				20.00 UG/L		U						
4-METHYLPHENOL	20.00 UG/L		U				20.00 UG/L		U						
HEXACHLOROBENZENE	20.00 UG/L		U				20.00 UG/L		U						
HEXACHLOROBUTADIENE	20.00 UG/L		U				20.00 UG/L		U						
HEXACHLOROETHANE	20.00 UG/L		U				20.00 UG/L		U						
NITROBENZENE	20.00 UG/L		U				20.00 UG/L		U						
PENTACHLOROPHENOL	100.00 UG/L		U				100.00 UG/L		U						
PYRIDINE	20.00 UG/L		U				20.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U				5.00 UG/L		U						
1,2-DICHLOROETHANE	5.00 UG/L		U				5.00 UG/L		U						
2-BUTANONE	7.00 UG/L		J				10.00 UG/L		U						
BENZENE	5.00 UG/L		U				5.00 UG/L		U						
CARBON TETRACHLORIDE	5.00 UG/L		U				5.00 UG/L		U						
CHLOROBENZENE	5.00 UG/L		U				5.00 UG/L		U						
CHLOROFORM	5.00 UG/L		U				5.00 UG/L		U						
TETRACHLOROETHENE	5.00 UG/L		U				5.00 UG/L		U						
TRICHLOROETHENE	5.00 UG/L		U				5.00 UG/L		U						
VINYL CHLORIDE	10.00 UG/L		U				10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	098440	098406	098411	098350	098318
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1838	1838	1838	1839	1839
DEPTH:	-	2.5-3.5	5-6	-	2-3
DATE COLLECTED:	13-JUL-92	08-JUL-92	09-JUL-92	29-JUN-92	24-JUN-92
NORTH COORDINATE:	481173	481173	481173	480433.9	480433.9
EAST COORDINATE:	1378540.7	1378540.7	1378540.7	1379149.98	1379149.98
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				12.00 %		NV	14.00 %		NV				14.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		U							1.80 UG/L		UJ			
2,4-D	10.00 UG/L		U							10.00 UG/L		UJ			
INORGANICS															
ARSENIC	0.24 MG/L		U							0.05 MG/L		U			
BARIUM	0.95 MG/L		-							0.58 MG/L		-			
CADMIUM	0.03 MG/L		U							0.01 MG/L		U			
CHROMIUM	0.01 MG/L		U							0.01 MG/L		U			
LEAD	0.21 MG/L		U							0.04 MG/L		U			
MERCURY	0.00 MG/L		U							0.00 MG/L		U			
SELENIUM	0.08 MG/L		U							0.08 MG/L		U			
SILVER	0.05 MG/L		U							0.01 MG/L		UJ			
PESTICIDES															
ALPHA-CHLORDANE	0.50 UG/L		U							0.50 UG/L		UJ			
ENDRIN	0.10 UG/L		U							0.10 UG/L		UJ			
GAMMA-BHC (LINDANE)	0.05 UG/L		U							0.05 UG/L		UJ			
GAMMA-CHLORDANE	0.50 UG/L		U							0.50 UG/L		UJ			
HEPTACHLOR	0.05 UG/L		U							0.05 UG/L		UJ			
HEPTACHLOR EPOXIDE	0.05 UG/L		U							0.05 UG/L		UJ			
METHOXYCHLOR	0.50 UG/L		U							0.50 UG/L		UJ			
TOXAPHENE	1.00 UG/L		U							1.00 UG/L		UJ			

SEMIVOLATILES

1,4-DICHLOROBENZENE	20.00 UG/L	U			20.00 UG/L	UJ

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	098440			098406			098411			098350			098318		
LAB:	IT									IT					
SUFFIX/FILTERFLAG:	R-NA			-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U							100.00 UG/L		UJ			
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U							20.00 UG/L		UJ			
2,4-DINITROTOLUENE	20.00 UG/L		U							20.00 UG/L		UJ			
2-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		UJ			
4-METHYLPHENOL	20.00 UG/L		U							20.00 UG/L		UJ			
HEXACHLOROBENZENE	20.00 UG/L		U							20.00 UG/L		UJ			
HEXACHLOROBUTADIENE	20.00 UG/L		U							20.00 UG/L		UJ			
HEXACHLOROETHANE	20.00 UG/L		U							20.00 UG/L		UJ			
NITROBENZENE	20.00 UG/L		U							20.00 UG/L		UJ			
PENTACHLOROPHENOL	100.00 UG/L		U							100.00 UG/L		UJ			
PYRIDINE	20.00 UG/L		U							20.00 UG/L		UJ			
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U			
1,2-DICHLOROETHANE	5.00 UG/L		U							5.00 UG/L		U			
2-BUTANONE	7.00 UG/L		J							10.00 UG/L		U			
BENZENE	5.00 UG/L		U							5.00 UG/L		U			
CARBON TETRACHLORIDE	5.00 UG/L		U							5.00 UG/L		U			
CHLOROBENZENE	5.00 UG/L		U							5.00 UG/L		U			
CHLOROFORM	5.00 UG/L		U							5.00 UG/L		U			
TETRACHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U			
TRICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U			
VINYL CHLORIDE	10.00 UG/L		U							10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	098323	098462	098458	098461	098312
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT-KNOX	IT	IT	IT/RSL
WELL OR BORING NUMBER:	1839	1840	1840	1840	1841
DEPTH:	5-6	-	10.5-11.5	13.5-14.5	-
DATE COLLECTED:	24-JUN-92	09-AUG-92	08-AUG-92	08-AUG-92	23-JUN-92
NORTH COORDINATE:	480433.9	479964.9	479964.9	479964.9	479953.19
EAST COORDINATE:	1379149.98	1380658.84	1380658.84	1380658.84	1381086.76
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:		098463			
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV				19.00 %		NV	13.00 %		NV			
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U							1.80 UG/L		U
2,4-D				10.00 UG/L		U							10.00 UG/L		U
INORGANICS															
ARSENIC				0.05 MG/L		U							0.05 MG/L		U
BARIUM				0.85 MG/L		-							0.86 MG/L		-
CADMIUM				0.01 MG/L		U							0.01 MG/L		U
CHROMIUM				0.01 MG/L		U							0.01 MG/L		U
LEAD				0.04 MG/L		U							0.05 MG/L		U
MERCURY				0.00 MG/L		U							0.00 MG/L		U
SELENIUM				0.08 MG/L		U							0.09 MG/L		U
SILVER				0.01 MG/L		U							0.02 MG/L		U
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U							0.50 UG/L		U
ENDRIN				0.10 UG/L		U							0.10 UG/L		U
GAMMA-BHC (LINDANE)				0.05 UG/L		U							0.05 UG/L		U
GAMMA-CHLORDANE				0.50 UG/L		U							0.50 UG/L		U
HEPTACHLOR				0.05 UG/L		U							0.05 UG/L		U
HEPTACHLOR EPOXIDE				0.05 UG/L		U							0.05 UG/L		U
METHOXYCHLOR				0.50 UG/L		U							0.50 UG/L		U
TOXAPHENE				1.00 UG/L		U							1.00 UG/L		U

SEMIVOLATILES

1,4-DICHLOROBENZENE				20.00 UG/L		U							20.00 UG/L		UJ
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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	098323			098462			098458			098461			098312		
LAB:				IT-KNOX									IT/RSL		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U							100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U							20.00 UG/L		UJ
2,4-DINITROTOLUENE				20.00 UG/L		U							20.00 UG/L		UJ
2-METHYLPHENOL				20.00 UG/L		U							20.00 UG/L		UJ
4-METHYLPHENOL				20.00 UG/L		U							20.00 UG/L		UJ
HEXACHLOROBENZENE				20.00 UG/L		U							20.00 UG/L		UJ
HEXACHLOROBUTADIENE				20.00 UG/L		U							20.00 UG/L		UJ
HEXACHLOROETHANE				20.00 UG/L		U							20.00 UG/L		UJ
NITROBENZENE				20.00 UG/L		U							20.00 UG/L		UJ
PENTACHLOROPHENOL				100.00 UG/L		U							100.00 UG/L		UJ
PYRIDINE				20.00 UG/L		U							20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U							5.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U							5.00 UG/L		U
2-BUTANONE				10.00 UG/L		U							8.00 UG/L		J
BENZENE				5.00 UG/L		U							5.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		U							5.00 UG/L		U
CHLOROBENZENE				5.00 UG/L		U							5.00 UG/L		U
CHLOROFORM				5.00 UG/L		U							5.00 UG/L		U
TETRACHLOROETHENE				5.00 UG/L		U							5.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U							5.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U							10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	098301	098305	098288	098284	098508
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT	IT	IT-KNOX
WELL OR BORING NUMBER:	1841	1841	1842	1842	1842
DEPTH:	9.5-10.5	11.5-12.5	-	8-9	10.5-11.5
DATE COLLECTED:	17-JUN-92	19-JUN-92	16-JUN-92	16-JUN-92	09-DEC-92
NORTH COORDINATE:	479953.19	479953.19	479927.25	479927.25	479927.25
EAST COORDINATE:	1381086.76	1381086.76	1381972.92	1381972.92	1381972.92
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	15.00 %		NV				14.00 %		NV	12.00 UG/KG		NV
HERBICIDES															
2,4,5-TP (SILVEX)							1.80 UG/L		UJ						
2,4-D							10.00 UG/L		UJ						
INORGANICS															
ARSENIC							0.05 MG/L		U						
BARIUM							0.87 MG/L		-						
CADMIUM							0.01 MG/L		U						
CHROMIUM							0.01 MG/L		U						
LEAD							0.04 MG/L		U						
MERCURY							0.00 MG/L		U						
SELENIUM							0.08 MG/L		U						
SILVER							0.01 MG/L		U						
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		UJ						
ENDRIN							0.10 UG/L		UJ						
GAMMA-BHC (LINDANE)							0.05 UG/L		UJ						
GAMMA-CHLORDANE							0.50 UG/L		UJ						
HEPTACHLOR							0.05 UG/L		UJ						
HEPTACHLOR EPOXIDE							0.05 UG/L		UJ						
METHOXYCHLOR							0.50 UG/L		UJ						
TOXAPHENE							1.00 UG/L		UJ						

SEMIVOLATILES

1,4-DICHLOROBENZENE 20.00 UG/L UJ
06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	098301			098305			098288			098284			098508		
LAB:							IT								
SUFFIX/FILTERFLAG:	-			-			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL							100.00 UG/L		UJ						
2,4,6-TRICHLOROPHENOL							20.00 UG/L		UJ						
2,4-DINITROTOLUENE							20.00 UG/L		UJ						
2-METHYLPHENOL							20.00 UG/L		UJ						
4-METHYLPHENOL							20.00 UG/L		UJ						
HEXACHLOROBENZENE							20.00 UG/L		UJ						
HEXACHLOROBUTADIENE							20.00 UG/L		UJ						
HEXACHLOROETHANE							20.00 UG/L		UJ						
NITROBENZENE							20.00 UG/L		UJ						
PENTACHLOROPHENOL							100.00 UG/L		UJ						
PYRIDINE							20.00 UG/L		UJ						
VOLATILES															
1,1-DICHLOROETHENE							5.00 UG/L		U						
1,2-DICHLOROETHANE							5.00 UG/L		U						
2-BUTANONE							10.00 UG/L		U						
BENZENE							5.00 UG/L		U						
CARBON TETRACHLORIDE							5.00 UG/L		U						
CHLOROBENZENE							5.00 UG/L		U						
CHLOROFORM							5.00 UG/L		U						
TETRACHLOROETHENE							5.00 UG/L		U						
TRICHLOROETHENE							5.00 UG/L		U						
VINYL CHLORIDE							10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	098248			098252			067706			067711			067604		
TASK:	50.03.07			50.03.07			20.03.02			20.03.02			20.03.02		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1843			1843			1846			1846			1849		
DEPTH:	8.5-9.5			10.5-11.5			6-7.5			13.5-15			6-7.5		
DATE COLLECTED:	10-JUN-92			10-JUN-92			22-FEB-92			22-FEB-92			22-FEB-92		
NORTH COORDINATE:	479905.6			479905.6			477221.45			477221.45			477806.91		
EAST COORDINATE:	1382522.39			1382522.39			1379953.49			1379953.49			1378975.19		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			DL-NA			R-NA			NONE-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															
% MOISTURE	18.00 %		NV	11.00 %		NV	21.00 %		NV	21.00 %		NV	28.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067609	067627	067632	067636	067802
TASK:	20.03.02	20.03.02	20.03.02	20.03.02	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1849	1850	1850	1850	1882
DEPTH:	13.5-15	6-7.5	13.5-15	0-15	1.5-2
DATE COLLECTED:	22-FEB-92	23-FEB-92	23-FEB-92	23-FEB-92	22-FEB-92
NORTH COORDINATE:	477806.91	478126.2	478126.2	478126.2	477419.98
EAST COORDINATE:	1378975.19	1378962.62	1378962.62	1378962.62	1379589.46
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	19.00 %		NV	17.00 %		NV	17.00 %		NV						
ALKALINITY AS CACO3										55.00 MG/L		-			
AMMONIA										0.10 MG/L		U			
CHLORIDE										0.40 MG/L		U			
FLUORIDE										0.40 MG/L		U			
IGNITABILITY										110.00 DEGREES		-			
NITRATE										14.00 MG/L		-			
PH										6.75 SU		-			
PHOSPHATE										1.00 MG/L		U			
SULFATE										46.00 MG/L		-			
SULFIDE										0.50 MG/KG		U			
TOTAL ORGANIC CARBON										10.41 MG/L		-			
INORGANICS															
ALUMINUM										0.89 MG/L		-			
ANTIMONY										0.03 MG/L		U			
ARSENIC										0.05 MG/L		U			
BARIUM										0.30 MG/L		-			
BERYLLIUM										0.00 MG/L		U			
CADMIUM										0.00 MG/L		U			
CALCIUM										43.70 MG/L		-			
CHROMIUM										0.02 MG/L		-			
COBALT										0.01 MG/L		U			
COPPER										0.01 MG/L		U			
IRON										0.09 MG/L		-			
LEAD										0.00 MG/L		U			
MAGNESIUM										2.56 MG/L		-			
MANGANESE										0.00 MG/L		-			
MERCURY										0.00 MG/L		U			

SAMPLE NUMBER:	067609			067627			067632			067636			067802		
LAB:										IT					
SUFFIX/FILTERFLAG:	-			-			-			NONE-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)
INORGANICS															
MOLYBDENUM										0.01 MG/L		U			
NICKEL										0.02 MG/L		U			
POTASSIUM										1.28 MG/L		-			
SELENIUM										0.00 MG/L		-			
SILICON										3.26 MG/L		-			
SILVER										0.01 MG/L		U			
SODIUM										4.79 MG/L		-			
THALLIUM										0.15 MG/L		U			
VANADIUM										0.01 MG/L		U			
ZINC										1.68 MG/L		-			
No sort code listed.															
3-METHYLPHENOL													20.00 UG/L		UR
RADIONUCLIDES															
URANIUM-238										1.99 PCI/L	.63	-			
URANIUM-234										2.21 PCI/L	.69	-			
THORIUM-230										1.00 PCI/L		U			
RADIUM-226										1.00 PCI/L		U			
URANIUM-235/236										1.00 PCI/L		U			
THORIUM-232										1.00 PCI/L		U			
THORIUM, TOTAL										1.20 UG/L		U			
THORIUM-228										1.00 PCI/L		U			
NEPTUNIUM-237										1.00 PCI/L		UJ			
PLUTONIUM-239/240										1.00 PCI/L		U			
PLUTONIUM-238										1.00 PCI/L		U			
STRONTIUM-90										5.00 PCI/L		U			
TECHNETIUM-99										30.00 PCI/L		U			
RUTHENIUM-106										150.00 PCI/L		R			
CESIUM-137										20.00 PCI/L		R			
SEMIVOLATILES															
1,4-DICHLOROBENZENE													20.00 UG/L		U
2,4,5-TRICHLOROPHENOL													100.00 UG/L		U
2,4,6-TRICHLOROPHENOL													20.00 UG/L		U
2,4-DINITROTOLUENE													20.00 UG/L		U
2-METHYLPHENOL													20.00 UG/L		U
4-METHYLPHENOL													20.00 UG/L		U
HEXACHLOROBENZENE													20.00 UG/L		U
HEXACHLOROBUTADIENE													20.00 UG/L		U
HEXACHLOROETHANE													20.00 UG/L		U
NITROBENZENE													20.00 UG/L		U

06/14/94

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067609			067627			067632			067636			067802		
LAB:													IT		
SUFFIX/FILTERFLAG:	-			-			-			-			NONE-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)
SEMIVOLATILES															
PENTACHLOROPHENOL													100.00 UG/L		U
PYRIDINE													20.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE													5.00 UG/L		U
1,2-DICHLOROETHANE													5.00 UG/L		U
2-BUTANONE													4.00 UG/L		J
BENZENE													5.00 UG/L		U
CARBON TETRACHLORIDE													5.00 UG/L		U
CHLOROBENZENE													5.00 UG/L		U
CHLOROFORM													5.00 UG/L		U
TETRACHLOROETHENE													5.00 UG/L		U
TRICHLOROETHENE													5.00 UG/L		U
VINYL CHLORIDE													10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067801	067804	067803	067714	067717
TASK:	20.03.01	20.03.01	20.03.01	20.03.02	20.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1883	1884	1885	1888	1888
DEPTH:	1.5-2	1.5-2	1.5-2	0-1.5	5-6
DATE COLLECTED:	22-FEB-92	22-FEB-92	22-FEB-92	23-FEB-92	23-FEB-92
NORTH COORDINATE:	477303.62	477954.08	477900.74	482124.84	482124.84
EAST COORDINATE:	1379404.74	1379278.85	1379510.56	1379761.91	1379761.91
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE										12.00 %		NV	17.00 %		NV
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		UR	20.00 UG/L		UR	20.00 UG/L		UR						
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		U						
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
2,4-DINITROTOLUENE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
2-METHYLPHENOL	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
4-METHYLPHENOL	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBENZENE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROBUTADIENE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
HEXACHLOROETHANE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
NITROBENZENE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
PENTACHLOROPHENOL	100.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		U						
PYRIDINE	20.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		U						
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
1,2-DICHLOROETHANE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
2-BUTANONE	10.00 UG/L		U	2.00 UG/L		J	10.00 UG/L		U						
BENZENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
CARBON TETRACHLORIDE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
CHLOROBENZENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
CHLOROFORM	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067801			067804			067803			067714			067717		
LAB:	IT			IT			IT								
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-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)
VOLATILES															
TETRACHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
TRICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U						
VINYL CHLORIDE	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	067719	067740	30907-1895-05	033005	033023
TASK:	20.03.02	20.03.02	40.03.05	3.2	3.2
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1888	1889	1895	1943	1944
DEPTH:	6-7.5	15.5-17.5	0-6	-	-
DATE COLLECTED:	23-FEB-92	25-FEB-92	07-SEP-93	22-AUG-90	28-AUG-90
NORTH COORDINATE:	482124.84	482121.36	480442.8	481894.66	481610.8
EAST COORDINATE:	1379761.91	1379765.86	1378236.88	1378726.28	1378642.25
QA TYPE:	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				10.00 %		NV									
HERBICIDES															
2,4,5-TP (SILVEX)										2.00 UG/L		UJ	2.00 UG/L		UJ
2,4-D										12.00 UG/L		UJ	12.00 UG/L		UJ
INORGANICS															
ARSENIC							0.05 MG/L		UNV	0.25 MG/L		UJ	0.25 MG/L		U
BARIUM							0.77 MG/L		NV	1.52 MG/L		J	1.58 MG/L		-
CADMIUM							0.01 MG/L		UNV	0.01 MG/L		J	0.03 MG/L		-
CHROMIUM							0.02 MG/L		NV	0.16 MG/L		J	0.22 MG/L		-
LEAD							0.04 MG/L		UNV	0.20 MG/L		UJ	0.20 MG/L		J
MERCURY							0.00 MG/L		UNV	0.00 MG/L		U	0.00 MG/L		U
SELENIUM							0.07 MG/L		UNV	0.17 MG/L		UJ	0.40 MG/L		U
SILVER							0.01 MG/L		UNV	0.12 MG/L		J	0.13 MG/L		-
No sort code listed.															
3-METHYLPHENOL	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		UJ
PESTICIDES															
4,4'-DDD										110.00 UG/L		U	0.10 UG/L		UJ
4,4'-DDE										110.00 UG/L		U	0.10 UG/L		UJ
4,4'-DDT										110.00 UG/L		U	0.10 UG/L		UJ
ALDRIN										56.00 UG/L		U	0.05 UG/L		UJ
ALPHA-BHC										56.00 UG/L		U	0.05 UG/L		UJ
ALPHA-CHLORDANE										560.00 UG/L		U	0.50 UG/L		UJ

SAMPLE NUMBER:	067719			067740			30907-1895-05			033005			033023		
LAB:										IT/MWL			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
AROCLOR-1016										560.00 UG/L		U	0.50 UG/L		UJ
AROCLOR-1221										560.00 UG/L		U	0.50 UG/L		UJ
AROCLOR-1232										560.00 UG/L		U	0.50 UG/L		UJ
AROCLOR-1242										560.00 UG/L		U	0.50 UG/L		UJ
AROCLOR-1248										560.00 UG/L		U	0.50 UG/L		UJ
AROCLOR-1254										1100.00 UG/L		U	1.00 UG/L		UJ
AROCLOR-1260										1100.00 UG/L		U	1.00 UG/L		UJ
BETA-BHC										56.00 UG/L		U	0.05 UG/L		UJ
CHLORDANE										0.60 UG/L		UJ	0.00 UG/L		UJ
DELTA-BHC										56.00 UG/L		U	0.05 UG/L		UJ
DIELDRIN										110.00 UG/L		U	0.10 UG/L		UJ
ENDOSULFAN II										110.00 UG/L		U	0.10 UG/L		UJ
ENDOSULFAN SULFATE										110.00 UG/L		U	0.10 UG/L		UJ
ENDOSULFAN-I										56.00 UG/L		U	0.05 UG/L		UJ
ENDRIN										0.10 UG/L		UJ	0.00 UG/L		UJ
ENDRIN KETONE										110.00 UG/L		U	0.10 UG/L		UJ
GAMMA-BHC (LINDANE)										0.06 UG/L		UJ	0.00 UG/L		UJ
GAMMA-CHLORDANE										560.00 UG/L		U	0.50 UG/L		UJ
HEPTACHLOR										0.06 UG/L		UJ	0.00 UG/L		UJ
HEPTACHLOR EPOXIDE										0.06 UG/L		UJ	0.00 UG/L		UJ
METHOXYCHLOR										0.60 UG/L		UJ	0.00 UG/L		UJ
TOXAPHENE										1.00 UG/L		UJ	0.00 UG/L		UJ
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		R
2,4,5-TRICHLOROPHENOL	100.00 UG/L		U							52.00 UG/L		UJ	100.00 UG/L		R
2,4,6-TRICHLOROPHENOL	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		R
2,4-DINITROTOLUENE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		UJ
2-METHYLPHENOL	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		UJ
4-METHYLPHENOL	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		UJ
HEXACHLOROBENZENE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		R
HEXACHLOROBUTADIENE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		R
HEXACHLOROETHANE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		R
NITROBENZENE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		UJ
PENTACHLOROPHENOL	100.00 UG/L		UR							52.00 UG/L		UJ	100.00 UG/L		UJ
PYRIDINE	20.00 UG/L		U							10.00 UG/L		UJ	20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U										5.00 UG/L		U
1,2-DICHLOROETHANE	5.00 UG/L		U										5.00 UG/L		U
2-BUTANONE	10.00 UG/L		U										4.00 UG/L		U
BENZENE	5.00 UG/L		U										5.00 UG/L		U
CARBON TETRACHLORIDE	5.00 UG/L		U										5.00 UG/L		U

SAMPLE NUMBER:	067719			067740			30907-1895-05			033005			033023		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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)
VOLATILES															
CHLOROBENZENE	5.00 UG/L		U										5.00 UG/L		U
CHLOROFORM	5.00 UG/L		U										5.00 UG/L		U
TETRACHLOROETHENE	5.00 UG/L		U										5.00 UG/L		U
TRICHLOROETHENE	5.00 UG/L		U										5.00 UG/L		U
VINYL CHLORIDE	10.00 UG/L		U										10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	112559			112563			112536			112593			056914		
TASK:	20.03.05			20.03.05			20.03.05			20.03.05			3.7		
LAB:	ITAS			ITAS			ITAS			ITAS			IT		
WELL OR BORING NUMBER:	1969			1969			1971			1971			1974		
DEPTH:	4.5-6			9-10.5			4.5-6.5			9.5-11			.5-1		
DATE COLLECTED:	15-APR-93			15-APR-93			15-APR-93			15-APR-93			24-OCT-90		
NORTH COORDINATE:	477633.01			477633.01			477709.01			477709.01			481667.79		
EAST COORDINATE:	1379700.05			1379700.05			1379566.04			1379566.04			1381163.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	19.88 %		NV	20.37 %		NV	20.47 %		NV	18.08 %		NV	13.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056917	112584	112588	112093	112131
TASK:	3.7	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	ITAS	ITAS	IT	IT
WELL OR BORING NUMBER:	1974	1978	1978	1979	1980
DEPTH:	2-2.5	9.5-11	13.5-15	2-4	2-4
DATE COLLECTED:	25-OCT-90	16-APR-93	16-APR-93	10-MAY-93	12-MAY-93
NORTH COORDINATE:	481667.79	477395.02	477395.02	477241.54	477280.38
EAST COORDINATE:	1381163.33	1379639.05	1379639.05	1379893.36	1379997.79
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.00 %		NV	25.00 %		NV	11.18 %		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										17000.00 UG/L		U	17.00 UG/L		U
2,4-D										120000.00 UG/L		U	120.00 UG/L		U
INORGANICS															
ARSENIC										0.10 MG/L		UR	0.10 MG/L		UJ
BARIUM										1.25 MG/L		-	0.56 MG/L		-
CADMIUM										0.00 MG/L		U	0.00 MG/L		U
CHROMIUM										0.00 MG/L		U	0.00 MG/L		U
COPPER										0.01 MG/L		U	0.02 MG/L		U
IRON										0.00 MG/L		U	0.05 MG/L		U
LEAD										0.05 MG/L		UR	0.02 MG/L		UJ
MANGANESE										0.02 MG/L		J	0.07 MG/L		J
MERCURY										0.00 MG/L		UJ	0.00 MG/L		UJ
SELENIUM										0.05 MG/L		UR	0.03 MG/L		UJ
SILVER										0.00 MG/L		UJ	0.00 MG/L		UJ
ZINC										0.36 MG/L		R	1.33 MG/L		-
PESTICIDES															
CHLORDANE										1.40 UG/L		U	1.40 UG/L		U
ENDRIN										0.60 UG/L		U	0.60 UG/L		U
GAMMA-BHC (LINDANE)										0.40 UG/L		U	0.40 UG/L		U
HEPTACHLOR										0.30 UG/L		U	0.30 UG/L		U
HEPTACHLOR EPOXIDE										8.30 UG/L		U	8.30 UG/L		U
METHOXYCHLOR										18.00 UG/L		U	18.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	056917			112584			112588			112093			112131		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
TOXAPHENE										24.00 UG/L		U	24.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE										50.00 UG/L		U	50.00 UG/L		U
2,4,5-TRICHLOROPHENOL										50.00 UG/L		U	50.00 UG/L		U
2,4,6-TRICHLOROPHENOL										50.00 UG/L		U	50.00 UG/L		U
2,4-DINITROTOLUENE										50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROBENZENE										50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROBUTADIENE										50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROETHANE										50.00 UG/L		U	50.00 UG/L		U
NITROBENZENE										50.00 UG/L		UJ	50.00 UG/L		U
PENTACHLOROPHENOL										250.00 UG/L		U	250.00 UG/L		U
PYRIDINE										250.00 UG/L		U	250.00 UG/L		U
TOTAL METHYLPHENOL										50.00 UG/L		U	50.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE										5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE										10.00 UG/L		UJ	10.00 UG/L		UJ
BENZENE										5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE										5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE										5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM										5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE										10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	112146	112168	111484	111486	111487
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	ITAS	ITAS	ITAS
WELL OR BORING NUMBER:	1980	1981	1982	1982	1982
DEPTH:	15-17	8-10	0-2.5	0-2.5	7.5-10
DATE COLLECTED:	12-MAY-93	13-MAY-93	06-MAY-93	06-MAY-93	06-MAY-93
NORTH COORDINATE:	477280.38	477366.17	482223.3	482223.3	482223.3
EAST COORDINATE:	1379997.79	1379964.33	1379595.2	1379595.2	1379595.2
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE							14.20 %		NV	18.15 %		NV	11.81 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	17.00 UG/L		U	1.80 UG/L		U									
2,4-D	120.00 UG/L		U	10.00 UG/L		U									
INORGANICS															
ARSENIC	0.07 MG/L		UJ	0.05 MG/L		UJ									
BARIUM	0.05 MG/L		U	0.30 MG/L		-									
CADMIUM	0.00 MG/L		U	0.01 MG/L		U									
CHROMIUM	0.00 MG/L		U	0.01 MG/L		U									
COPPER	0.00 MG/L		U	0.01 MG/L		U									
IRON	0.03 MG/L		U	0.06 MG/L		U									
LEAD	0.02 MG/L		UJ	0.04 MG/L		UJ									
MANGANESE	0.26 MG/L		J	0.01 MG/L		-									
MERCURY	0.00 MG/L		UJ	0.00 MG/L		U									
SELENIUM	0.03 MG/L		UJ	0.08 MG/L		U									
SILVER	0.00 MG/L		UJ	0.01 MG/L		UR									
ZINC	0.30 MG/L		R	0.18 MG/L		-									
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U									
CHLORDANE	1.40 UG/L		U												
ENDRIN	0.60 UG/L		U	0.10 UG/L		U									
GAMMA-BHC (LINDANE)	0.40 UG/L		U	0.05 UG/L		U									
GAMMA-CHLORDANE				0.50 UG/L		U									
HEPTACHLOR	0.30 UG/L		U	0.05 UG/L		U									

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	112146			112168			111484			111486			111487		
LAB:	IT			IT											
SUFFIX/FILTERFLAG:	NONE-NA			NONE-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															
HEPTACHLOR EPOXIDE	8.30 UG/L		U	0.05 UG/L		U									
METHOXYCHLOR	18.00 UG/L		U	0.50 UG/L		U									
TOXAPHENE	24.00 UG/L		U	1.00 UG/L		U									
SEMIVOLATILES															
1,4-DICHLOROBENZENE	50.00 UG/L		U	20.00 UG/L		U									
2,4,5-TRICHLOROPHENOL	50.00 UG/L		U	100.00 UG/L		U									
2,4,6-TRICHLOROPHENOL	50.00 UG/L		U	20.00 UG/L		U									
2,4-DINITROTOLUENE	50.00 UG/L		U	20.00 UG/L		U									
HEXACHLOROBENZENE	50.00 UG/L		U	20.00 UG/L		U									
HEXACHLOROBUTADIENE	50.00 UG/L		U	20.00 UG/L		U									
HEXACHLOROETHANE	50.00 UG/L		U	20.00 UG/L		U									
NITROBENZENE	50.00 UG/L		U	20.00 UG/L		U									
PENTACHLOROPHENOL	250.00 UG/L		U	100.00 UG/L		U									
PYRIDINE	250.00 UG/L		U	200.00 UG/L		U									
TOTAL METHYLPHENOL	50.00 UG/L		U	20.00 UG/L		U									
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U									
1,2-DICHLOROETHANE	5.00 UG/L		U	5.00 UG/L		U									
2-BUTANONE	10.00 UG/L		UJ	10.00 UG/L		U									
BENZENE	5.00 UG/L		U	5.00 UG/L		U									
CARBON TETRACHLORIDE	5.00 UG/L		U	5.00 UG/L		U									
CHLOROBENZENE	5.00 UG/L		U	5.00 UG/L		U									
CHLOROFORM	5.00 UG/L		U	5.00 UG/L		U									
TETRACHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U									
TRICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U									
VINYL CHLORIDE	10.00 UG/L		U	10.00 UG/L		U									

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	111478	111480	111482	111454	115358
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	ITAS	ITAS	IT	IT
WELL OR BORING NUMBER:	1983	1983	1983	1986	1987
DEPTH:	2.5-5	17.5-20	17.5-20	2.5-5	5-7.5
DATE COLLECTED:	03-MAY-93	05-MAY-93	05-MAY-93	28-APR-93	13-MAY-93
NORTH COORDINATE:	482173.32	482173.32	482173.32	482114.8	482147.62
EAST COORDINATE:	1379593.72	1379593.72	1379593.72	1379724.53	1379617.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				9.11 % MOISTURE		NV	9.45 % MOISTURE		NV						
HERBICIDES															
2,4,5-TP (SILVEX)										17.00 UG/L		U	17.00 UG/L		U
2,4-D										120.00 UG/L		U	120.00 UG/L		U
INORGANICS															
ARSENIC	0.03 MG/L		UJ							0.53 MG/L		UR	0.05 MG/L		UJ
BARIUM	1.33 MG/L		-							1.11 MG/L		-	1.46 MG/L		-
CADMIUM	0.00 MG/L		U							0.00 MG/L		U	0.00 MG/L		U
CHROMIUM	0.00 MG/L		U							0.00 MG/L		U	0.00 MG/L		U
COPPER	0.00 MG/L		U							0.01 MG/L		-	0.00 MG/L		U
IRON	0.02 MG/L		U							0.06 MG/L		-	0.03 MG/L		U
LEAD	0.02 MG/L		UJ							0.13 MG/L		U	0.02 MG/L		UJ
MANGANESE	0.08 MG/L		J							1.93 MG/L		J	0.23 MG/L		J
MERCURY	0.00 MG/L		UJ							0.00 MG/L		UJ	0.00 MG/L		UJ
SELENIUM	0.03 MG/L		UJ							0.14 MG/L		UR	0.03 MG/L		UJ
SILVER	0.00 MG/L		UJ							0.01 MG/L		UJ	0.00 MG/L		UJ
ZINC	0.23 MG/L		R							0.20 MG/L		R	0.33 MG/L		R
PESTICIDES															
CHLORDANE										1.40 UG/L		U	1.40 UG/L		U
ENDRIN										0.60 UG/L		U	0.60 UG/L		U
GAMMA-BHC (LINDANE)										0.40 UG/L		U	0.40 UG/L		U
HEPTACHLOR										0.30 UG/L		U	0.30 UG/L		U
HEPTACHLOR EPOXIDE										8.30 UG/L		U	8.30 UG/L		U
METHOXYCHLOR										18.00 UG/L		U	18.00 UG/L		U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	111478			111480			111482			111454			115358		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
TOXAPHENE										24.00 UG/L		U	24.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE										50.00 UG/L		U	50.00 UG/L		U
2,4,5-TRICHLOROPHENOL										250.00 UG/L		U	50.00 UG/L		U
2,4,6-TRICHLOROPHENOL										50.00 UG/L		U	50.00 UG/L		U
2,4-DINITROTOLUENE										50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROBENZENE										50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROBUTADIENE										50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROETHANE										50.00 UG/L		U	50.00 UG/L		U
NITROBENZENE										50.00 UG/L		U	50.00 UG/L		U
PENTACHLOROPHENOL										250.00 UG/L		U	250.00 UG/L		U
PYRIDINE										250.00 UG/L		U	250.00 UG/L		U
TOTAL METHYLPHENOL										50.00 UG/L		U	50.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE										5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE										10.00 UG/L		UJ	10.00 UG/L		UJ
BENZENE										5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE										5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE										5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM										5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE										5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE										10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	115334	115320	116295	116114	112081
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1990	1991	1994	1995	1996
DEPTH:	10-12.5	7.5-10	22-23.5	24-25.5	12-13
DATE COLLECTED:	10-MAY-93	06-MAY-93	13-MAY-93	01-MAY-93	29-APR-93
NORTH COORDINATE:	482165.44	482196.1	477742.39	477770.18	477819.85
EAST COORDINATE:	1379660.29	1379689.37	1379200.09	1379054.76	1379114.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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)
HERBICIDES															
2,4,5-TP (SILVEX)	17000.00 UG/L		U	17000.00 UG/L		U	1.80 UG/L		U	17.00 UG/L		U	17.00 UG/L		U
2,4-D	120000.00 UG/L		U	120000.00 UG/L		U	10.00 UG/L		U	120.00 UG/L		U	120.00 UG/L		U
INORGANICS															
ARSENIC	0.00 MG/L		U	0.05 MG/L		UJ	0.05 MG/L		UJ	0.47 MG/L		UR	0.45 MG/L		UR
BARIUM	0.00 MG/L		U	1.32 MG/L		-	0.85 MG/L		-	0.91 MG/L		U	1.48 MG/L		-
CADMIUM	0.00 MG/L		-	0.00 MG/L		U	0.01 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
CHROMIUM	0.00 MG/L		U	0.00 MG/L		U	0.01 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
COPPER	0.00 MG/L		U	0.00 MG/L		U	0.01 MG/L		U	0.00 MG/L		-	0.00 MG/L		-
IRON	0.00 MG/L		U	0.05 MG/L		U	0.11 MG/L		U	0.11 MG/L		-	0.01 MG/L		-
LEAD	0.00 MG/L		U	0.07 MG/L		J	0.04 MG/L		UJ	0.02 MG/L		UJ	0.02 MG/L		UJ
MANGANESE	0.01 MG/L		J	5.50 MG/L		J	0.10 MG/L		-	0.09 MG/L		J	0.11 MG/L		J
MERCURY	0.00 MG/L		UJ	0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		UJ	0.00 MG/L		UJ
SELENIUM	0.00 MG/L		U	0.13 MG/L		UJ	0.08 MG/L		UJ	0.11 MG/L		UR	0.11 MG/L		UR
SILVER	0.00 MG/L		UJ	0.00 MG/L		UJ	0.01 MG/L		UR	0.00 MG/L		UJ	0.00 MG/L		UJ
ZINC	0.00 MG/L		-	0.21 MG/L		R	0.08 MG/L		U	0.16 MG/L		R	0.14 MG/L		R
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		U						
CHLORDANE	1.40 UG/L		U	1.40 UG/L		U				1.40 UG/L		U	1.40 UG/L		U
ENDRIN	0.60 UG/L		U	0.60 UG/L		U	0.10 UG/L		U	0.60 UG/L		U	0.60 UG/L		U
GAMMA-BHC (LINDANE)	0.40 UG/L		U	0.40 UG/L		U	0.05 UG/L		U	0.40 UG/L		U	0.40 UG/L		U
GAMMA-CHLORDANE							0.50 UG/L		U						
HEPTACHLOR	0.30 UG/L		U	0.30 UG/L		U	0.05 UG/L		U	0.30 UG/L		U	0.30 UG/L		U
HEPTACHLOR EPOXIDE	8.30 UG/L		U	8.30 UG/L		U	0.05 UG/L		U	8.30 UG/L		U	8.30 UG/L		U
METHOXYCHLOR	18.00 UG/L		U	18.00 UG/L		U	0.50 UG/L		U	18.00 UG/L		U	18.00 UG/L		U
TOXAPHENE	24.00 UG/L		U	24.00 UG/L		U	1.00 UG/L		U	24.00 UG/L		U	24.00 UG/L		U

000482

SEMIVOLATILES															
1,4-DICHLOROBENZENE	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U

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SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	115334			115320			116295			116114			112081		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	50.00 UG/L		U	50.00 UG/L		U	100.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
2,4,6-TRICHLOROPHENOL	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
2,4-DINITROTOLUENE	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROBENZENE	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROBUTADIENE	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
HEXACHLOROETHANE	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
NITROBENZENE	50.00 UG/L		UJ	50.00 UG/L		UJ	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
PENTACHLOROPHENOL	250.00 UG/L		U	250.00 UG/L		U	100.00 UG/L		U	250.00 UG/L		U	250.00 UG/L		U
PYRIDINE	250.00 UG/L		U	250.00 UG/L		UJ	200.00 UG/L		U	250.00 UG/L		U	250.00 UG/L		U
TOTAL METHYLPHENOL	50.00 UG/L		U	50.00 UG/L		U	20.00 UG/L		U	50.00 UG/L		U	50.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
2-BUTANONE	10.00 UG/L		UJ	10.00 UG/L		UR	10.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		UJ
BENZENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	116216	116252	116257	116075	116074
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	ITAS	ITAS	IT	IT
WELL OR BORING NUMBER:	1997	1997	1997	1998	1998
DEPTH:	26-27.5	34-35.5	38-39	0-1.5	2-3.5
DATE COLLECTED:	05-MAY-93	07-MAY-93	07-MAY-93	28-APR-93	28-APR-93
NORTH COORDINATE:	477871.13	477871.13	477871.13	478091.6	478091.6
EAST COORDINATE:	1378960.5	1378960.5	1378960.5	1379032.88	1379032.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				18.04 %		NV	9.62 % MOISTURE		NV						
HERBICIDES															
2,4,5-TP (SILVEX)	17000.00 UG/L		U										1.80 UG/L		U
2,4-D	120000.00 UG/L		U										10.00 UG/L		U
INORGANICS															
ARSENIC	0.06 MG/L		U										0.05 MG/L		UJ
BARIUM	1.58 MG/L		-										1.07 MG/L		-
CADMIUM	0.00 MG/L		U										0.01 MG/L		U
CHROMIUM	0.00 MG/L		U										0.01 MG/L		U
COPPER	0.00 MG/L		U										0.01 MG/L		U
IRON	0.02 MG/L		U										1.21 MG/L		-
LEAD	0.02 MG/L		U										0.04 MG/L		UJ
MANGANESE	0.10 MG/L		J										0.43 MG/L		-
MERCURY	0.00 MG/L		UJ										0.00 MG/L		U
SELENIUM	0.09 MG/L		-										0.08 MG/L		UJ
SILVER	0.00 MG/L		UJ										0.01 MG/L		U
ZINC	0.13 MG/L		R										0.21 MG/L		U
PESTICIDES															
ALPHA-CHLORDANE													0.50 UG/L		U
CHLORDANE	1.40 UG/L		U												
ENDRIN	0.60 UG/L		U										0.10 UG/L		U
GAMMA-BHC (LINDANE)	0.40 UG/L		U										0.05 UG/L		U
GAMMA-CHLORDANE													0.50 UG/L		U
HEPTACHLOR	0.30 UG/L		U										0.05 UG/L		U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	116216			116252			116257			116075			116074		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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															
HEPTACHLOR EPOXIDE	8.30 UG/L		U										0.05 UG/L		U
METHOXYCHLOR	18.00 UG/L		U										0.50 UG/L		U
TOXAPHENE	24.00 UG/L		U										1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE	50.00 UG/L		U										20.00 UG/L		U
2,4,5-TRICHLOROPHENOL	50.00 UG/L		U										100.00 UG/L		U
2,4,6-TRICHLOROPHENOL	50.00 UG/L		U										20.00 UG/L		U
2,4-DINITROTOLUENE	50.00 UG/L		U										20.00 UG/L		U
HEXACHLOROBENZENE	50.00 UG/L		U										20.00 UG/L		U
HEXACHLOROBUTADIENE	50.00 UG/L		U										20.00 UG/L		U
HEXACHLOROETHANE	50.00 UG/L		U										20.00 UG/L		U
NITROBENZENE	50.00 UG/L		U										20.00 UG/L		U
PENTACHLOROPHENOL	250.00 UG/L		U										100.00 UG/L		U
PYRIDINE	250.00 UG/L		U										200.00 UG/L		U
TOTAL METHYLPHENOL	50.00 UG/L		U										20.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U			
1,2-DICHLOROETHANE	5.00 UG/L		U							5.00 UG/L		U			
2-BUTANONE	10.00 UG/L		UR							10.00 UG/L		U			
BENZENE	5.00 UG/L		U							5.00 UG/L		U			
CARBON TETRACHLORIDE	5.00 UG/L		U							5.00 UG/L		U			
CHLOROBENZENE	5.00 UG/L		U							5.00 UG/L		U			
CHLOROFORM	5.00 UG/L		U							5.00 UG/L		U			
TETRACHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U			
TRICHLOROETHENE	5.00 UG/L		U							5.00 UG/L		U			
VINYL CHLORIDE	10.00 UG/L		U							10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	010170	055411	055453	055494	104450
TASK:	3.2	3.7	3.7	3.7	50.03.12
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2094	21191	21192	21193	2166
DEPTH:	16-16	-	-	-	-
DATE COLLECTED:	17-JUN-88	19-MAY-90	20-MAY-90	22-MAY-90	19-OCT-92
NORTH COORDINATE:	470832.49	477071.1	477022.52	476976.12	476523.77
EAST COORDINATE:	1380701.68	1379636.54	1379642.08	1379619.39	1381106.59
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	3.86 % MOISTURE		NV										36.00 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)				2.00 UG/L		UJ	2.00 UG/L		UJ	1.70 UG/L		U			
2,4-D				12.00 UG/L		UJ	12.00 UG/L		U	12.00 UG/L		U			
INORGANICS															
ARSENIC				0.22 MG/L		-	0.27 MG/L		-	0.01 MG/L		U	0.05 MG/L		U
BARIUM				0.21 MG/L		-	0.23 MG/L		-	0.30 MG/L		U	0.92 MG/L		J
CADMIUM				0.02 MG/L		-	0.02 MG/L		-	0.01 MG/L		U	0.01 MG/L		U
CHROMIUM				0.29 MG/L		-	0.31 MG/L		-	0.08 MG/L		U	0.01 MG/L		U
LEAD				0.10 MG/L		-	0.11 MG/L		-	0.12 MG/L		U	0.04 MG/L		U
MERCURY				0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U
SELENIUM				0.17 MG/L		-	0.19 MG/L		-	0.01 MG/L		UJ	0.08 MG/L		U
SILVER				0.16 MG/L		-	0.16 MG/L		-	0.02 MG/L		U	0.01 MG/L		U
No sort code listed.															
3-METHYLPHENOL				10.00 UG/L		UR	10.00 UG/L		UJ						
PESTICIDES															
CHLORDANE				0.50 UG/L		UJ	0.50 UG/L		UJ	0.50 UG/L		U			
ENDRIN				0.10 UG/L		UJ	0.10 UG/L		UJ	0.10 UG/L		U			
GAMMA-BHC (LINDANE)				0.05 UG/L		UJ	0.05 UG/L		UJ	0.05 UG/L		U			
HEPTACHLOR				0.05 UG/L		UJ	0.05 UG/L		UJ	0.05 UG/L		U			
HEPTACHLOR EPOXIDE				0.05 UG/L		UJ	0.05 UG/L		UJ	0.05 UG/L		U			
METHOXYCHLOR				0.50 UG/L		UJ	0.50 UG/L		UJ	0.50 UG/L		U			

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	010170			055411			055453			055494			104450		
LAB:				IT			IT			IT					
SUFFIX/FILTERFLAG:	-			NONE-NA			NONE-NA			NONE-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															
TOXAPHENE				1.00 UG/L		UJ	1.00 UG/L		UJ	1.00 UG/L		U			
SEMIVOLATILES															
1,4-DICHLOROBENZENE				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
2,4,5-TRICHLOROPHENOL				50.00 UG/L		UJ	50.00 UG/L		UJ	50.00 UG/L		U			
2,4,6-TRICHLOROPHENOL				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
2,4-DINITROTOLUENE				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
2-METHYLPHENOL				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
4-METHYLPHENOL				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
HEXACHLOROBENZENE				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
HEXACHLOROBUTADIENE				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
HEXACHLOROETHANE				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
NITROBENZENE				10.00 UG/L		UJ	10.00 UG/L		UJ	10.00 UG/L		U			
PENTACHLOROPHENOL				50.00 UG/L		UJ	50.00 UG/L		UJ	50.00 UG/L		U			
PYRIDINE				10.00 UG/L		UR	10.00 UG/L		UJ	50.00 UG/L		U			
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
1,2-DICHLOROETHANE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
2-BUTANONE				10.00 UG/L		U	11.00 UG/L		U	12.00 UG/L		U			
BENZENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
CARBON TETRACHLORIDE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
CHLOROBENZENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
CHLOROFORM				5.00 UG/L		U	9.00 UG/L		-	5.00 UG/L		U			
TETRACHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
TRICHLOROETHENE				5.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		U			
VINYL CHLORIDE				10.00 UG/L		U	11.00 UG/L		U	10.00 UG/L		U			

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	107633			033483			033493			033470			033472		
TASK:	50.03.22			3.2			3.11			3.2			3.2		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	2454			2552			2553			2557			2557		
DEPTH:	0-6.3			-			-			-			-		
DATE COLLECTED:	09-AUG-93			31-OCT-91			30-OCT-91			23-OCT-91			23-OCT-91		
NORTH COORDINATE:	481201.04			473909.82			473343.11			470857.04			470857.04		
EAST COORDINATE:	1379310.18			1379195.32			1378885.6			1379674.16			1379674.16		
QA TYPE:	DRILL CUTTINGS			DRILL CUTTINGS			DRILL CUTTINGS			DRILL CUTTINGS			DRILL CUTTINGS		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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)
HERBICIDES															
2,4,5-TP (SILVEX)				1.70 UG/L		U	1.80 UG/L		U	1.80 UG/L		UJ	1.80 UG/L		UJ
2,4-D				12.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		UJ
INORGANICS															
ARSENIC	0.05 MG/L		U	0.50 MG/L		U	0.25 MG/L		U	0.25 MG/L		UJ	0.25 MG/L		UJ
BARIUM	0.60 MG/L		-	0.24 MG/L		U	0.53 MG/L		-	0.71 MG/L		J	0.59 MG/L		J
CADMIUM	0.01 MG/L		U	0.01 MG/L		U	0.02 MG/L		-	0.01 MG/L		J	0.02 MG/L		J
CHROMIUM	0.02 MG/L		-	0.03 MG/L		U	0.13 MG/L		-	0.12 MG/L		J	0.12 MG/L		J
LEAD	0.04 MG/L		U	0.10 MG/L		U	0.17 MG/L		-	0.16 MG/L		J	0.15 MG/L		J
MERCURY	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		UJ	0.00 MG/L		UJ
SELENIUM	0.07 MG/L		U	0.50 MG/L		U	0.15 MG/L		-	0.15 MG/L		J	0.19 MG/L		J
SILVER	0.01 MG/L		UJ	0.05 MG/L		UJ	0.11 MG/L		-	0.10 MG/L		J	0.09 MG/L		J
No sort code listed.															
3-METHYLPHENOL							20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
PESTICIDES															
ALPHA-CHLORDANE							0.50 UG/L		U	0.50 UG/L		UJ	0.50 UG/L		UJ
CHLORDANE				0.70 UG/L		U									
ENDRIN				0.30 UG/L		U	0.10 UG/L		U	0.10 UG/L		UJ	0.10 UG/L		UJ
GAMMA-BHC (LINDANE)				0.20 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ	0.05 UG/L		UJ
GAMMA-CHLORDANE							0.50 UG/L		U	0.50 UG/L		UJ	0.50 UG/L		UJ
HEPTACHLOR				0.15 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ	0.05 UG/L		UJ
HEPTACHLOR EPOXIDE				4.20 UG/L		U	0.05 UG/L		U	0.05 UG/L		UJ	0.05 UG/L		UJ
METHOXYCHLOR				8.80 UG/L		U	0.50 UG/L		U	0.50 UG/L		UJ	0.50 UG/L		UJ
TOXAPHENE				12.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		UJ	1.00 UG/L		UJ

000488

SEMIVOLATILES

1,4-DICHLOROBENZENE				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
06/14/94															

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

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SAMPLE NUMBER:	107633			033483			033493			033470			033472		
LAB:				IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	--			NONE-NA			NONE-NA			NONE-NA			NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL				40.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		UJ	100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
2,4-DINITROTOLUENE				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
2-METHYLPHENOL				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
4-METHYLPHENOL				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
HEXACHLOROBENZENE				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
HEXACHLOROBUTADIENE				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
HEXACHLOROETHANE				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
NITROBENZENE				40.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
PENTACHLOROPHENOL				200.00 UG/L		U	100.00 UG/L		U	100.00 UG/L		UJ	100.00 UG/L		UJ
PYRIDINE				400.00 UG/L		U	20.00 UG/L		U	20.00 UG/L		UJ	20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
1,2-DICHLOROETHANE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
2-BUTANONE				100.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		UJ
BENZENE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
CARBON TETRACHLORIDE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
CHLOROBENZENE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
CHLOROFORM				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
TETRACHLOROETHENE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
TRICHLOROETHENE				50.00 UG/L		U	5.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		UJ
VINYL CHLORIDE				100.00 UG/L		U	10.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		UJ

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	033474	000829	033153	033115	000835
TASK:	3.2	50.03.04	3.2	3.2	50.03.04
LAB:	IT	IT	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	2557	2643	2643	2648	2649
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-91	25-AUG-91	02-OCT-90	19-SEP-90	25-AUG-91
NORTH COORDINATE:	470857.04	481904.04	481904.04	481508.29	481167.42
EAST COORDINATE:	1379674.16	1378738.65	1378738.65	1379062.57	1378125.73
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
AMMONIA				0.10 MG/L		U									
CHLORIDE				0.50 MG/L		U									
FLUORIDE				0.10 MG/L		U									
NITRATE				0.18 MG/L		-									
PHENOLS				0.01 MG/L		U									
PHOSPHORUS				0.02 MG/L		U									
SULFATE				2.00 MG/L		U									
SULFIDE				0.50 MG/L		U									
TOTAL ORGANIC CARBON				1.00 MG/L		U									
TOTAL ORGANIC HALIDES				0.01 MG/L		U									
TOTAL ORGANIC NITROGEN				0.10 MG/L		U									
HERBICIDES															
2,4,5-TP (SILVEX)	1.80 UG/L		UJ	17.00 UG/L		U	1.70 UG/L		U	2.00 UG/L		R	17.00 UG/L		U
2,4-D	10.00 UG/L		UJ	120.00 UG/L		U	12.00 UG/L		U	12.00 UG/L		R	120.00 UG/L		U
INORGANICS															
ARSENIC	0.25 MG/L		UJ	0.05 MG/L		U	0.11 MG/L		U	0.29 MG/L		U	0.05 MG/L		U
BARIUM	0.75 MG/L		J	0.74 MG/L		U	0.70 MG/L		J	1.25 MG/L		-	1.27 MG/L		U
CADMIUM	0.02 MG/L		J	0.00 MG/L		U	0.01 MG/L		J	0.01 MG/L		U	0.00 MG/L		U
CHROMIUM	0.12 MG/L		J	0.00 MG/L		U	0.02 MG/L		J	0.08 MG/L		-	0.00 MG/L		U
LEAD	0.13 MG/L		J	0.04 MG/L		U	0.04 MG/L		UJ	0.20 MG/L		U	0.04 MG/L		U
MERCURY	0.00 MG/L		UJ	0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		U	0.00 MG/L		UJ
SELENIUM	0.16 MG/L		J	0.07 MG/L		U	0.10 MG/L		U	0.40 MG/L		U	0.07 MG/L		U
SILVER	0.09 MG/L		J	0.00 MG/L		U	0.01 MG/L		J	0.08 MG/L		-	0.00 MG/L		U

No sort code listed.

3-METHYLPHENOL	20.00 UG/L		UJ							20.00 UG/L		R			
06/14/94															

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	033474			000829			033153			033115			000835		
LAB:	IT									IT					
SUFFIX/FILTERFLAG:	NONE-NA			-			-			NONE-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															
ALPHA-CHLORDANE	0.50 UG/L		UJ				0.50 UG/L		U						
CHLORDANE				0.70 UG/L		U	1.00 UG/L		U	0.50 UG/L		R	0.70 UG/L		U
ENDRIN	0.10 UG/L		UJ	0.30 UG/L		U	0.10 UG/L		U	0.10 UG/L		R	0.30 UG/L		U
GAMMA-BHC (LINDANE)	0.05 UG/L		UJ	0.20 UG/L		U	0.05 UG/L		U	0.05 UG/L		R	0.20 UG/L		U
GAMMA-CHLORDANE	0.50 UG/L		UJ				0.50 UG/L		U						
HEPTACHLOR	0.05 UG/L		UJ	0.15 UG/L		U	0.05 UG/L		U	0.05 UG/L		R	0.15 UG/L		U
HEPTACHLOR EPOXIDE	0.05 UG/L		UJ	4.20 UG/L		U	0.05 UG/L		U	0.05 UG/L		R	4.20 UG/L		U
METHOXYCHLOR	0.50 UG/L		UJ	8.80 UG/L		U	0.50 UG/L		U	0.50 UG/L		R	8.80 UG/L		U
TOXAPHENE	1.00 UG/L		UJ	12.00 UG/L		U	1.00 UG/L		U	1.00 UG/L		R	12.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
2,4,5-TRICHLOROPHENOL	100.00 UG/L		UJ	40.00 UG/L		U				100.00 UG/L		R	40.00 UG/L		U
2,4,6-TRICHLOROPHENOL	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
2,4-DINITROTOLUENE	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
2-METHYLPHENOL	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
4-METHYLPHENOL	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
HEXACHLOROBENZENE	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
HEXACHLOROBUTADIENE	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
HEXACHLOROETHANE	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
NITROBENZENE	20.00 UG/L		UJ	40.00 UG/L		U				20.00 UG/L		R	40.00 UG/L		U
PENTACHLOROPHENOL	100.00 UG/L		UJ	200.00 UG/L		U				100.00 UG/L		R	200.00 UG/L		U
PYRIDINE	20.00 UG/L		UJ	400.00 UG/L		U				20.00 UG/L		R	400.00 UG/L		U
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
1,2-DICHLOROETHANE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
2-BUTANONE	10.00 UG/L		UJ	100.00 UG/L		U	10.00 UG/L		UJ	5.00 UG/L		U	100.00 UG/L		U
BENZENE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
CARBON TETRACHLORIDE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
CHLOROBENZENE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
CHLOROFORM	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
TETRACHLOROETHENE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
TRICHLOROETHENE	5.00 UG/L		UJ	50.00 UG/L		U	5.00 UG/L		UJ	5.00 UG/L		R	50.00 UG/L		U
VINYL CHLORIDE	10.00 UG/L		UJ	100.00 UG/L		U	10.00 UG/L		UJ	10.00 UG/L		R	100.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	033191	100371	100577	100554	100565
TASK:	3.2	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2649	2728	2731	2731	2731
DEPTH:	-	0-.5	0-.5	6.5-7	15.5-16
DATE COLLECTED:	17-OCT-90	19-MAR-92	09-JAN-92	08-JAN-92	08-JAN-92
NORTH COORDINATE:	481167.42	483301.63	484155	484155	484155
EAST COORDINATE:	1378125.73	1377960.59	1382895	1382895	1382895
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				23.00 %		NV	21.00 %		NV						
CATION EXCHANGE CAPACITY										3.83 MEQ/L		J	5.11 MEQ/L		J
HERBICIDES															
2,4,5-TP (SILVEX)	1.90 UG/L		U												
2,4-D	13.30 UG/L		U												
INORGANICS															
ARSENIC	250.00 MG/L		UJ												
BARIUM	807.00 MG/L		J												
CADMIUM	5.75 MG/L		J												
CHROMIUM	143.00 MG/L		J												
LEAD	200.00 MG/L		UJ												
MERCURY	0.20 MG/L		UJ												
SELENIUM	113.00 MG/L		J												
SILVER	84.60 MG/L		J												
PESTICIDES															
ALPHA-CHLORDANE	1.00 UG/L		U												
CHLORDANE	2.00 UG/L		U												
ENDRIN	0.20 UG/L		U												
GAMMA-BHC (LINDANE)	0.10 UG/L		U												
GAMMA-CHLORDANE	1.00 UG/L		U												
HEPTACHLOR	0.10 UG/L		U												
HEPTACHLOR EPOXIDE	0.10 UG/L		U												
METHOXYCHLOR	1.00 UG/L		U												
TOXAPHENE	2.00 UG/L		U												

000491

6416

SAMPLE NUMBER:	033191			100371			100577			100554			100565		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
VOLATILES															
1,1-DICHLOROETHENE	5.00 UG/L		U												
1,2-DICHLOROETHANE	5.00 UG/L		U												
2-BUTANONE	3.00 UG/L		J												
BENZENE	5.00 UG/L		U												
CARBON TETRACHLORIDE	5.00 UG/L		U												
CHLOROBENZENE	1.00 UG/L		J												
CHLOROFORM	5.00 UG/L		U												
TETRACHLOROETHENE	5.00 UG/L		U												
TRICHLOROETHENE	5.00 UG/L		U												
VINYL CHLORIDE	10.00 UG/L		U												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100318	065050	111385	033496	070261
TASK:	03.01.01	04.19	20.03.05	3.2	04.22
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	2733	2822	2947	2998	3019
DEPTH:	0-.5	-	-	-	-
DATE COLLECTED:	24-JAN-92	28-MAY-92	19-APR-93	07-NOV-91	06-AUG-92
NORTH COORDINATE:	477070.67	481233.45	482120.02	476594.37	481675.11
EAST COORDINATE:	1383161.03	1378484.44	1379906.75	1381395.63	1379097.62
QA TYPE:	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
% MOISTURE	19.00 %		NV												
HERBICIDES															
2,4,5-TP (SILVEX)				1.80 UG/L		U				1.80 UG/L		U	1.80 UG/L		U
2,4-D				10.00 UG/L		U				10.00 UG/L		U	10.00 UG/L		U
INORGANICS															
ARSENIC				0.26 MG/L		U	0.03 MG/L		UJ	0.25 MG/L		U	0.05 MG/L		U
BARIUM				0.90 MG/L		-	1.22 MG/L		-	0.35 MG/L		-	0.96 MG/L		-
CADMIUM				0.03 MG/L		U	0.00 MG/L		U	0.02 MG/L		-	0.01 MG/L		U
CHROMIUM				0.01 MG/L		U	0.00 MG/L		U	0.12 MG/L		-	0.01 MG/L		U
LEAD				0.23 MG/L		U	0.02 MG/L		UJ	0.16 MG/L		-	0.04 MG/L		U
MERCURY				0.00 MG/L		U	0.00 MG/L		UJ	0.00 MG/L		U	0.00 MG/L		U
SELENIUM				0.10 MG/L		U	0.03 MG/L		UJ	0.16 MG/L		-	0.08 MG/L		U
SILVER				5.00 MG/L		R	0.00 MG/L		UJ	0.10 MG/L		-	0.01 MG/L		U
No sort code listed.															
3-METHYLPHENOL										20.00 UG/L		U			
PESTICIDES															
ALPHA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		UJ	0.50 UG/L		U
ENDRIN				0.10 UG/L		U				0.10 UG/L		UJ	0.10 UG/L		U
GAMMA-BHC (LINDANE)				0.05 UG/L		U				0.05 UG/L		UJ	0.05 UG/L		U
GAMMA-CHLORDANE				0.50 UG/L		U				0.50 UG/L		UJ	0.50 UG/L		U
HEPTACHLOR				0.05 UG/L		U				0.05 UG/L		UJ	0.05 UG/L		U
HEPTACHLOR EPOXIDE				0.05 UG/L		U				0.05 UG/L		UJ	0.05 UG/L		U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	100318			065050			111385			033496			070261		
LAB:				IT						IT			IT		
SUFFIX/FILTERFLAG:	-			NONE-NA			-			R-NA			NONE-UNF		
	RESULT	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				0.50 UG/L		U				0.50 UG/L		UJ	0.50 UG/L		U
TOXAPHENE				1.00 UG/L		U				1.00 UG/L		UJ	1.00 UG/L		U
SEMIVOLATILES															
1,4-DICHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
2,4,5-TRICHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		U	100.00 UG/L		UJ
2,4,6-TRICHLOROPHENOL				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
2,4-DINITROTOLUENE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
2-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
4-METHYLPHENOL				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
HEXACHLOROBENZENE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
HEXACHLOROBUTADIENE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
HEXACHLOROETHANE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
NITROBENZENE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
PENTACHLOROPHENOL				100.00 UG/L		U				100.00 UG/L		U	100.00 UG/L		UJ
PYRIDINE				20.00 UG/L		U				20.00 UG/L		U	20.00 UG/L		UJ
VOLATILES															
1,1-DICHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
1,2-DICHLOROETHANE				5.00 UG/L		U				2.00 UG/L		U	5.00 UG/L		U
2-BUTANONE				10.00 UG/L		U				10.00 UG/L		J	1.00 UG/L		U
BENZENE				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
CARBON TETRACHLORIDE				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
CHLOROBENZENE				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
CHLOROFORM				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
TETRACHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
TRICHLOROETHENE				5.00 UG/L		U				5.00 UG/L		U	5.00 UG/L		U
VINYL CHLORIDE				10.00 UG/L		U				10.00 UG/L		U	10.00 UG/L		U

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	033578	103604	103606	103608	103610
TASK:	3.2	04.20	04.20	04.20	04.20
LAB:	IT	DATACHEM	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	3421	ASI-17	ASI-17	ASI-17	ASI-17
DEPTH:	-	0-.17	.17-.33	.33-.5	.5-1
DATE COLLECTED:	03-DEC-91	28-SEP-92	28-SEP-92	28-SEP-92	28-SEP-92
NORTH COORDINATE:	481662.64	479864.6	479864.6	479864.6	479864.6
EAST COORDINATE:	1382074.74	1383043	1383043	1383043	1383043
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				24.80 %		NV	24.20 %		NV	20.80 %		NV	18.80 %		NV
HERBICIDES															
2,4,5-TP (SILVEX)	1.70 UG/L		U												
2,4-D	12.00 UG/L		U												
INORGANICS															
ARSENIC	0.50 MG/L		U												
BARIUM	0.32 MG/L		-												
CADMIUM	0.01 MG/L		U												
CHROMIUM	0.03 MG/L		U												
LEAD	0.10 MG/L		U												
MERCURY	0.00 MG/L		U												
SELENIUM	0.50 MG/L		U												
SILVER	0.05 MG/L		U												
PESTICIDES															
CHLORDANE	0.70 UG/L		U												
ENDRIN	0.30 UG/L		U												
GAMMA-BHC (LINDANE)	0.20 UG/L		U												
HEPTACHLOR	0.15 UG/L		U												
HEPTACHLOR EPOXIDE	4.20 UG/L		U												
METHOXYCHLOR	8.80 UG/L		U												
TOXAPHENE	12.00 UG/L		U												
SEMIVOLATILES															

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1,4-DICHLOROBENZENE	40.00 UG/L		U

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	033578			103604			103606			103608			103610		
LAB:	IT														
SUFFIX/FILTERFLAG:	NONE-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)
SEMIVOLATILES															
2,4,5-TRICHLOROPHENOL	40.00 UG/L		U												
2,4,6-TRICHLOROPHENOL	40.00 UG/L		U												
2,4-DINITROTOLUENE	40.00 UG/L		U												
2-METHYLPHENOL	40.00 UG/L		U												
4-METHYLPHENOL	40.00 UG/L		U												
HEXACHLOROBENZENE	40.00 UG/L		U												
HEXACHLOROBUTADIENE	40.00 UG/L		U												
HEXACHLOROETHANE	40.00 UG/L		U												
NITROBENZENE	40.00 UG/L		U												
PENTACHLOROPHENOL	200.00 UG/L		U												
PYRIDINE	400.00 UG/L		U												
VOLATILES															
1,1-DICHLOROETHENE	50.00 UG/L		U												
1,2-DICHLOROETHANE	50.00 UG/L		U												
2-BUTANONE	100.00 UG/L		U												
BENZENE	50.00 UG/L		U												
CARBON TETRACHLORIDE	50.00 UG/L		U												
CHLOROBENZENE	50.00 UG/L		U												
CHLOROFORM	50.00 UG/L		U												
TETRACHLOROETHENE	50.00 UG/L		U												
TRICHLOROETHENE	50.00 UG/L		U												
VINYL CHLORIDE	100.00 UG/L		U												

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103612			103614			103620			103622			103624		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-17			ASI-17			ASI-18			ASI-18			ASI-18		
DEPTH:	1-1.5			1.5-2			0-.17			.17-.33			.33-.5		
DATE COLLECTED:	28-SEP-92			28-SEP-92			28-SEP-92			28-SEP-92			28-SEP-92		
NORTH COORDINATE:	479864.6			479864.6			479934.5			479934.5			479934.5		
EAST COORDINATE:	1383043			1383043			1383074.8			1383074.8			1383074.8		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	15.30 %		NV	17.00 %		NV	23.10 %		NV	22.30 %		NV	21.80 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103626			103628			103630			103517			103518		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-18			ASI-18			ASI-18			ASI-2			ASI-2		
DEPTH:	.5-1			1-1.5			1.5-2			0-.17			.17-.33		
DATE COLLECTED:	28-SEP-92			28-SEP-92			28-SEP-92			21-SEP-92			21-SEP-92		
NORTH COORDINATE:	479934.5			479934.5			479934.5			480287.794			480287.794		
EAST COORDINATE:	1383074.8			1383074.8			1383074.8			1383058.99			1383058.99		
QA TYPE:	NORMAL			NORMAL			NORMAL			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	19.00 %		NV	16.00 %		NV	20.00 %		NV	29.30 %		NV	20.10 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103520			103522			103524			103550			103548		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-2			ASI-2			ASI-2			ASI-3			ASI-4		
DEPTH:	.33-.5			.5-1			1-1.5			.17-.33			0-.17		
DATE COLLECTED:	21-SEP-92			21-SEP-92			21-SEP-92			22-SEP-92			22-SEP-92		
NORTH COORDINATE:	480287.794			480287.794			480287.794			480112.1			480123		
EAST COORDINATE:	1383058.99			1383058.99			1383058.99			1382908.9			1382850.4		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	17.70 %		NV	17.40 %		NV	20.50 %		NV	23.70 %		NV	29.80 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103552			103554			103556			103558			103560		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-4			ASI-4			ASI-4			ASI-5			ASI-5		
DEPTH:	.33-.5			.5-1			1-1.5			0-.17			.17-.33		
DATE COLLECTED:	22-SEP-92			22-SEP-92			22-SEP-92			22-SEP-92			22-SEP-92		
NORTH COORDINATE:	480123			480123			480123			480137.6			480137.6		
EAST COORDINATE:	1382850.4			1382850.4			1382850.4			1382772.6			1382772.6		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	20.90 %		NV	21.10 %		NV	22.60 %		NV	46.10 %		NV	33.30 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103562			103564			103566			103569			103571		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-5			ASI-5			ASI-5			ASI-6			ASI-6		
DEPTH:	.33-.5			.5-1			1-1.5			0-.17			.17-.33		
DATE COLLECTED:	22-SEP-92			22-SEP-92			22-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480137.6			480137.6			480137.6			480055.2			480055.2		
EAST COORDINATE:	1382772.6			1382772.6			1382772.6			1382898.2			1382898.2		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	27.80 %		NV	22.40 %		NV	21.90 %		NV	29.60 %		NV	22.30 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103573	103575	103579	103581	103583
TASK:	04.20	04.20	04.20	04.20	04.20
LAB:	DATACHEM	DATACHEM	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	ASI-6	ASI-6	ASI-7	ASI-7	ASI-7
DEPTH:	.33-.5	.5-1	0-.17	.17-.33	.33-.5
DATE COLLECTED:	23-SEP-92	23-SEP-92	23-SEP-92	23-SEP-92	23-SEP-92
NORTH COORDINATE:	480055.2	480055.2	480018.5	480018.5	480018.5
EAST COORDINATE:	1382898.2	1382898.2	1382904.7	1382904.7	1382904.7
QA TYPE:	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.90 %		NV	17.40 %		NV	32.10 %		NV	28.60 %		NV	26.90 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	103585			103587			104001			104003			104005		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-7			ASI-7			C-1			C-1			C-1		
DEPTH:	.5-1			1-1.5			0-.17			.17-.33			.33-.5		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480018.5			480018.5			480711.945			480711.945			480711.945		
EAST COORDINATE:	1382904.7			1382904.7			1383438.53			1383438.53			1383438.53		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	18.90 %		NV	21.00 %		NV	24.30 %		NV	25.50 %		NV	25.10 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104055			104057			104059			104007			104009		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-10			C-10			C-10			C-2			C-2		
DEPTH:	-.17			.17-.33			.33-.5			0-.17			.17-.33		
DATE COLLECTED:	24-SEP-92			24-SEP-92			24-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480488.064			480488.064			480488.064			480662.719			480662.719		
EAST COORDINATE:	1383437.88			1383437.88			1383437.88			1383352.33			1383352.33		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	30.70 %		NV	27.40 %		NV	20.60 %		NV	28.50 %		NV	25.50 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104011			104013			104015			104017			104019		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-2			C-3			C-3			C-3			C-4		
DEPTH:	.33-.5			0-.17			.17-.33			.33-.5			0-.17		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480662.719			480612.987			480612.987			480612.987			480587.748		
EAST COORDINATE:	1383352.33			1383437.86			1383437.86			1383437.86			1383287.36		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	23.70 %		NV	25.40 %		NV	24.90 %		NV	25.60 %		NV	29.30 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104021			104023			104025			104027			104029		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-4			C-4			C-5			C-5			C-5		
DEPTH:	.17-.33			.33-.5			0-.17			.17-.33			.33-.5		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480587.748			480587.748			480563.195			480563.195			480563.195		
EAST COORDINATE:	1383287.36			1383287.36			1383362.93			1383362.93			1383362.93		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	24.10 %		NV	21.90 %		NV	28.50 %		NV	24.30 %		NV	22.70 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104031			104033			104035			075503			104037		
TASK:	04.20			04.20			04.20			04.01			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			IT			DATACHEM		
WELL OR BORING NUMBER:	C-6			C-6			C-6			C-7			C-7		
DEPTH:	0-.17			.17-.33			.33-.5			0-.5			0-.17		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			10-NOV-91			23-SEP-92		
NORTH COORDINATE:	480512.45			480512.45			480512.45			480512.877			480512.877		
EAST COORDINATE:	1383312.55			1383312.55			1383312.55			1383337.95			1383337.95		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	22.90 %		NV	22.40 %		NV	20.70 %		NV	9.00 % MOISTURE		NV	23.50 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104039			104041			104043			104045			104047		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-7			C-7			C-8			C-8			C-8		
DEPTH:	.17-.33			.33-.5			0-.17			.17-.33			.33-.5		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480512.877			480512.877			480512.884			480512.884			480512.884		
EAST COORDINATE:	1383337.95			1383337.95			1383462.74			1383462.74			1383462.74		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	22.30 %		NV	20.10 %		NV	24.50 %		NV	23.20 %		NV	23.50 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104049			104051			104053			104101			104103		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-9			C-9			C-9			D-1			D-1		
DEPTH:	-.17			.17-.33			.33-.5			-.17			.17-.33		
DATE COLLECTED:	24-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92		
NORTH COORDINATE:	480487.471			480487.471			480487.471			480201.248			480201.248		
EAST COORDINATE:	1383312.91			1383312.91			1383312.91			1383302.83			1383302.83		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	30.40 %		NV	27.10 %		NV	23.70 %		NV	26.30 %		NV	24.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104105			104107			104109			104111			104113		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	D-1			D-2			D-2			D-2			D-3		
DEPTH:	.33-.5			0-.17			.17-.33			.33-.5			-.17		
DATE COLLECTED:	24-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92		
NORTH COORDINATE:	480201.248			480199.942			480199.942			480199.942			480151.351		
EAST COORDINATE:	1383302.83			1383352.53			1383352.53			1383352.53			1383352.93		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	20.60 %		NV	26.10 %		NV	23.90 %		NV	21.10 %		NV	21.40 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	104115	104117	104119	104121	104123
TASK:	04.20	04.20	04.20	04.20	04.20
LAB:	DATACHEM	DATACHEM	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	D-3	D-3	D-4	D-4	D-4
DEPTH:	.17-.33	.33-.5	-.17	.17-.33	.33-.5
DATE COLLECTED:	24-SEP-92	24-SEP-92	24-SEP-92	24-SEP-92	24-SEP-92
NORTH COORDINATE:	480151.351	480151.351	480101.451	480101.451	480101.451
EAST COORDINATE:	1383352.93	1383352.93	1383351.43	1383351.43	1383351.43
QA TYPE:	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.30 %		NV	18.00 %		NV	21.60 %		NV	21.30 %		NV	20.70 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	075504	104125	104127	104129	099236
TASK:	04.01	04.20	04.20	04.20	50.03.07
LAB:	IT	DATACHEM	DATACHEM	DATACHEM	IT-KNOX
WELL OR BORING NUMBER:	D-5	D-5	D-5	D-5	FT-1
DEPTH:	0-.5	-.17	.17-.33	.33-.5	1-1.5
DATE COLLECTED:	10-NOV-91	24-SEP-92	24-SEP-92	24-SEP-92	29-DEC-92
NORTH COORDINATE:	480050.648	480050.648	480050.648	480050.648	482252.15
EAST COORDINATE:	1383350.03	1383350.03	1383350.03	1383350.03	1380198.15
QA TYPE:	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	6.00 % MOISTURE		NV	20.60 %		NV	20.20 %		NV	20.10 %		NV	31.00 UG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	099227			099229			099233			111790			111791		
TASK:	50.03.07			50.03.07			50.03.07			20.03.05			20.03.05		
LAB:	IT-KNOX			IT-KNOX			IT-KNOX			ITAS			ITAS		
WELL OR BORING NUMBER:	FT-2			FT-3			FT-4			IFP-SS-01			IFP-SS-02		
DEPTH:	1-1.5			1-1.5			1-1.5			0-.5			0-.5		
DATE COLLECTED:	14-DEC-92			16-DEC-92			17-DEC-92			16-APR-93			16-APR-93		
NORTH COORDINATE:	482250.45			482252.52			482199.48			477700.23			477780.39		
EAST COORDINATE:	1380837.79			1380983.13			1380897.59			1379288.15			1379109.01		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	22.00 UG/KG		NV	22.00 UG/KG		NV	23.00 UG/KG		NV	39.70 %		NV	13.33 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	111792			111793			111794			111795			111796		
TASK:	20.03.05			20.03.05			20.03.05			20.03.05			20.03.05		
LAB:	ITAS			ITAS			ITAS			ITAS			ITAS		
WELL OR BORING NUMBER:	IFP-SS-03			IFP-SS-04			IFP-SS-05			IFP-SS-06			IFP-SS-07		
DEPTH:	0-.5			0-.5			0-.5			0-.5			0-.5		
DATE COLLECTED:	16-APR-93			16-APR-93			16-APR-93			16-APR-93			16-APR-93		
NORTH COORDINATE:	477812.34			477839.06			477981.13			478059.99			478165.89		
EAST COORDINATE:	1379045.82			1378957.87			1379030.85			1378926.62			1379023.03		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	5.70 % MOISTURE		NV	21.55 %		NV	20.70 %		NV	19.05 %		NV	20.63 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	114564	934018666	934018667	099155	061401
TASK:	20.03.05	RCRACLOS	RCRACLOS	50.03.07	04.04
LAB:	ITAS	TCT ST. LOUIS	TCT ST. LOUIS	IT	IT
WELL OR BORING NUMBER:	LSP-SB-01	NAT666	NAT667	P1P2	P1P45
DEPTH:	.5-1	0-.5	0-.5	2-3	0-.5
DATE COLLECTED:	05-MAY-93	08-SEP-93	08-SEP-93	12-JAN-93	16-MAY-91
NORTH COORDINATE:	480660.61	482095.98	482084.62	481183.82	481159
EAST COORDINATE:	1379549.95	1349648.09	1349020.06	1380571.96	1380017.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-UNK	NONE-UNK	NONE-NA	NONE-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															
% MOISTURE	16.30 %		NV							25.00 UG/KG		NV	18.00 %		NV
INORGANICS															
CHROMIUM				0.01 MG/L		UNV	0.01 MG/L		UNV						

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061406	061408	061413	061415	061420
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P45	P1P46	P1P46	P1P47	P1P47
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	481159	481161	481161	481163.1	481163.1
EAST COORDINATE:	1380017.6	1379942.6	1379942.6	1379867.6	1379867.6
QA TYPE:	NORMAL	EXCAVATED	NORMAL	EXCAVATED	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.00 %		NV	12.00 %		NV	11.00 %		NV	17.00 %		NV	17.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061429	061434	061422	061427	061394
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P48	P1P48	P1P49	P1P49	P1P50
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	17-MAY-91	17-MAY-91	16-MAY-91	16-MAY-91	15-MAY-91
NORTH COORDINATE:	481258.9	481258.9	481261	481261	481263
EAST COORDINATE:	1380020.3	1380020.3	1379945.3	1379945.3	1379870.4
QA TYPE:	EXCAVATED	NORMAL	EXCAVATED	NORMAL	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	16.00 %		NV	14.00 %		NV	18.00 %		NV	14.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061399	061373	061378	061352	061357
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P50	P1P51	P1P51	P1P52	P1P52
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	15-MAY-91	15-MAY-91	15-MAY-91	14-MAY-91	14-MAY-91
NORTH COORDINATE:	481263	481358.9	481358.9	481360.9	481360.9
EAST COORDINATE:	1379870.4	1380023	1380023	1379948.1	1379948.1
QA TYPE:	NORMAL	NORMAL	NORMAL	EXCAVATED	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.00 %		NV	21.00 %		NV	11.00 %		NV	15.00 %		NV	10.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061359			061364			061436			061441			061387		
TASK:	04.04			04.04			04.04			04.04			04.04		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	P1P53			P1P53			P1P54			P1P54			P1P55		
DEPTH:	0-.5			1.5-2			0-.5			1.5-2			0-.5		
DATE COLLECTED:	14-MAY-91			14-MAY-91			17-MAY-91			17-MAY-91			15-MAY-91		
NORTH COORDINATE:	481363			481363			481458			481458			481460		
EAST COORDINATE:	1379873.1			1379873.1			1380058			1380058			1379983		
QA TYPE:	EXCAVATED			NORMAL			EXCAVATED			NORMAL			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	13.00 %		NV	12.00 %		NV	14.00 %		NV	11.00 %		NV	18.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061392	061380	061385	061443	061448
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P55	P1P56	P1P56	P1P57	P1P57
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	15-MAY-91	15-MAY-91	15-MAY-91	17-MAY-91	17-MAY-91
NORTH COORDINATE:	481460	481462.1	481462.1	481558	481558
EAST COORDINATE:	1379983	1379908	1379908	1380060.7	1380060.7
QA TYPE:	NORMAL	EXCAVATED	NORMAL	EXCAVATED	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	16.00 %		NV	13.00 %		NV	9.00 % MOISTURE		NV	13.00 %		NV	13.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061366			061371			061347			061350			061463		
TASK:	04.04			04.04			04.04			04.04			04.04		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	P1P58			P1P58			P1P59			P1P59			P1P60		
DEPTH:	0-.5			1.5-2			0-.5			0-.5			1.5-2		
DATE COLLECTED:	15-MAY-91			15-MAY-91			14-MAY-91			14-MAY-91			18-MAY-91		
NORTH COORDINATE:	481560			481560			481562			481562			481657.9		
EAST COORDINATE:	1379985.7			1379985.7			1379910.7			1379910.7			1380063.4		
QA TYPE:	EXCAVATED			NORMAL			EXCAVATED			EXCAVATED			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	10.00 %		NV	9.00 % MOISTURE		NV	10.00 %		NV	10.00 %		NV	23.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061450	061455	061465	061470	061479
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P61	P1P61	P1P62	P1P62	P1P63
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	17-MAY-91	17-MAY-91	18-MAY-91	18-MAY-91	19-MAY-91
NORTH COORDINATE:	481659.9	481659.9	481662	481662	481860.8
EAST COORDINATE:	1379988.4	1379988.4	1379913.5	1379913.5	1380036.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	8.00 % MOISTURE		NV	8.00 % MOISTURE		NV	13.00 %		NV	10.00 %		NV	11.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061484			061472			061477			061504			061505		
TASK:	04.04			04.04			04.04			04.04			04.04		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	P1P63			P1P64			P1P64			P1P65			P1P65		
DEPTH:	1.5-2			0-.5			1.5-2			0-.5			1.5-2		
DATE COLLECTED:	19-MAY-91			19-MAY-91			19-MAY-91			02-JUN-91			02-JUN-91		
NORTH COORDINATE:	481860.8			481862.6			481862.6			481975.8			481975.8		
EAST COORDINATE:	1380036.8			1379972.8			1379972.8			1380039.9			1380039.9		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	16.00 %		NV	13.00 %		NV	4.00 % MOISTURE		NV	15.00 %		NV	16.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061506	061507	UST28278	UST28280	UST28281
TASK:	04.04	04.04	UST	UST	UST
LAB:	IT	IT	NET	NET	NET
WELL OR BORING NUMBER:	P1P66	P1P66	USSO-041890-1	USSO-041890-3	USSO-041890-4
DEPTH:	0-.5	1.5-2	-	-	-
DATE COLLECTED:	02-JUN-91	02-JUN-91	18-APR-90	18-APR-90	18-APR-90
NORTH COORDINATE:	481977.5	481977.5	479833	479833	479833
EAST COORDINATE:	1379976	1379976	1381595	1381595	1381595
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	7.00 % MOISTURE		NV	13.00 %		NV									
INORGANICS															
ARSENIC							0.01 MG/L		NV	0.01 MG/L		UNV	0.01 MG/L		UNV
BARIUM							0.62 MG/L		NV	1.47 MG/L		NV	1.59 MG/L		NV
CADMIUM							0.04 MG/L		UNV	0.04 MG/L		UNV	0.04 MG/L		UNV
CHROMIUM							0.10 MG/L		UNV	0.20 MG/L		UNV	12.90 MG/L		NV
LEAD							0.40 MG/L		UNV	0.40 MG/L		UNV	0.40 MG/L		UNV
MERCURY							0.00 MG/L		UNV	0.00 MG/L		UNV	0.00 MG/L		UNV
SELENIUM							0.01 MG/L		UNV	0.01 MG/L		UNV	0.01 MG/L		UNV
SILVER							0.06 MG/L		UNV	0.06 MG/L		UNV	0.06 MG/L		UNV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	UST28282	UST28283	UST28275	UST28276	UST28277
TASK:	UST	UST	UST	UST	UST
LAB:	NET	NET	NET	NET	NET
WELL OR BORING NUMBER:	USSO-041890-5	USSO-041890-6	USTC-041890-1	USTC-041890-2	USTC-041890-3
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-APR-90	18-APR-90	18-APR-90	18-APR-90	18-APR-90
NORTH COORDINATE:	479833	479833	479833	479833	479833
EAST COORDINATE:	1381595	1381595	1381595	1381595	1381595
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TPH							26.00 MG/L		NV	220.00 MG/L		NV	160.00 MG/L		NV
INORGANICS															
ARSENIC	0.01 MG/L		NV	0.01 MG/L		UNV									
BARIUM	2.12 MG/L		NV	0.40 MG/L		UNV									
CADMIUM	0.04 MG/L		UNV	0.04 MG/L		UNV									
CHROMIUM	1.75 MG/L		NV	0.10 MG/L		UNV									
LEAD	0.40 MG/L		UNV	0.40 MG/L		UNV									
MERCURY	0.00 MG/L		UNV	0.00 MG/L		UNV									
SELENIUM	0.01 MG/L		UNV	0.01 MG/L		UNV									
SILVER	0.06 MG/L		UNV	0.06 MG/L		UNV									
VOLATILES															
BENZENE							60.00 UG/L		UNV	60.00 UG/L		UNV	60.00 UG/L		UNV
ETHYLBENZENE							60.00 UG/L		UNV	60.00 UG/L		UNV	60.00 UG/L		UNV
TOLUENE							60.00 UG/L		UNV	60.00 UG/L		UNV	60.00 UG/L		UNV
XYLENES, TOTAL							60.00 UG/L		UNV	60.00 UG/L		UNV	2510.00 UG/L		NV

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FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061002	061007	061065	061070	061072
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA1	WPA1	WPA10	WPA10	WPA11
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	18-APR-91	18-APR-91	22-APR-91	22-APR-91	21-APR-91
NORTH COORDINATE:	482447	482447	481144.8	481144.8	481044.9
EAST COORDINATE:	1377970.4	1377970.4	1378034.8	1378034.8	1378032.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	19.00 %		NV	14.00 %		NV	11.00 %		NV	15.00 %		NV	14.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061077			061079			061084			061086			061091		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA11			WPA12			WPA12			WPA13			WPA13		
DEPTH:	1.5-2			0-.5			1.5-2			0-.5			1.5-2		
DATE COLLECTED:	21-APR-91			21-APR-91			21-APR-91			21-APR-91			21-APR-91		
NORTH COORDINATE:	481044.9			481042.1			481042.1			481039.4			481039.4		
EAST COORDINATE:	1378032.1			1378132			1378132			1378232			1378232		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	14.00 %		NV	12.00 %		NV	21.00 %		NV	11.00 %		NV	12.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061093			061098			061100			061105			061112		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA14			WPA14			WPA15			WPA15			WPA16		
DEPTH:	0-.5			1.5-2			0-.5			1.5-2			1.5-2		
DATE COLLECTED:	25-APR-91			25-APR-91			25-APR-91			25-APR-91			25-APR-91		
NORTH COORDINATE:	481033.9			481033.9			481028.5			481028.5			481128.4		
EAST COORDINATE:	1378431.9			1378431.9			1378631.8			1378631.8			1378634.5		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	11.00 %		NV	17.00 %		NV	20.00 %		NV	21.00 %		NV	13.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061114	061119	061121	061515	061126
TASK:	04.01	04.01	04.01	04.04	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA17	WPA17	WPA18	WPA18	WPA18
DEPTH:	0-.5	1.5-2	0-.5	.5-1	1.5-2
DATE COLLECTED:	25-APR-91	25-APR-91	27-APR-91	25-JUL-91	27-APR-91
NORTH COORDINATE:	481125.7	481125.7	480836.8	480836.8	480836.8
EAST COORDINATE:	1378734.5	1378734.5	1378326.4	1378326.4	1378326.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV	15.00 %		NV	8.00 % MOISTURE		NV	2.00 % MOISTURE		NV	6.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061512			061514			061128			061133			061009		
TASK:	04.04			04.04			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA18			WPA18			WPA19			WPA19			WPA2		
DEPTH:	1.5-2			1.3-1.8			0-.5			1.5-2			0-.5		
DATE COLLECTED:	24-JUL-91			25-JUL-91			27-APR-91			27-APR-91			19-APR-91		
NORTH COORDINATE:	480836.8			480836.8			480636.9			480636.9			482344.3		
EAST COORDINATE:	1378326.4			1378326.4			1378321			1378321			1378067.6		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	4.00 % MOISTURE		NV	4.00 % MOISTURE		NV	8.00 % MOISTURE		NV	11.00 %		NV	8.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061014			061135			061140			061142			061147		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA2			WPA20			WPA20			WPA21			WPA21		
DEPTH:	1.5-2			0-.5			1.5-2			0-.5			1.5-2		
DATE COLLECTED:	19-APR-91			26-APR-91			26-APR-91			26-APR-91			26-APR-91		
NORTH COORDINATE:	482344.3			480437			480437			480221.7			480221.7		
EAST COORDINATE:	1378067.6			1378315.5			1378315.5			1378315.9			1378315.9		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	12.00 %		NV	19.00 %		NV	13.00 %		NV	13.00 %		NV	11.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061150	061310	061163	061016	061021
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA22	WPA23	WPA24	WPA3	WPA3
DEPTH:	0-.5	0-.5	0-.5	0-.5	1.5-2
DATE COLLECTED:	21-APR-91	27-APR-91	27-APR-91	19-APR-91	19-APR-91
NORTH COORDINATE:	480037.1	480240.1	480228.8	482244.3	482244.3
EAST COORDINATE:	1378304.6	1378407	1378609.9	1378064.4	1378064.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	8.00 % MOISTURE		NV	17.00 %		NV	10.00 %		NV	12.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061205	061210	061212	061217	061220
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA30	WPA30	WPA31	WPA31	WPA32
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	24-APR-91	24-APR-91	24-APR-91	24-APR-91	23-APR-91
NORTH COORDINATE:	480423.3	480423.3	480473.9	480473.9	480520.5
EAST COORDINATE:	1378815.3	1378815.3	1378750.2	1378750.2	1378918
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	30.00 %		NV	15.00 %		NV	16.00 %		NV	13.00 %		NV	18.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061225	061233	061238	061240	061245
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA32	WPA34	WPA34	WPA35	WPA35
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	26-APR-91	25-APR-91	25-APR-91	25-APR-91	25-APR-91
NORTH COORDINATE:	480520.5	480603.4	480603.4	480725.9	480725.9
EAST COORDINATE:	1378918	1378836.7	1378836.7	1378723.5	1378723.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	20.00 %		NV	13.00 %		NV	18.00 %		NV	10.00 %		NV	13.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061247			061252			061254			061258			061260		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA36			WPA36			WPA37			WPA37			WPA38		
DEPTH:	0-.5			1.5-2			0-.5			1.5-2			0-.5		
DATE COLLECTED:	23-APR-91			23-APR-91			23-APR-91			23-APR-91			23-APR-91		
NORTH COORDINATE:	480695.4			480695.4			480828.6			480828.6			482108.8		
EAST COORDINATE:	1378922.7			1378922.7			1378626.3			1378626.3			1379361.5		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			DL-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															
% MOISTURE	17.00 %		NV	17.00 %		NV	14.00 %		NV	9.00 % MOISTURE		NV	17.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061266	061268	061273	061023	061028
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA38	WPA39	WPA39	WPA4	WPA4
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	23-APR-91	23-APR-91	23-APR-91	20-APR-91	20-APR-91
NORTH COORDINATE:	482108.8	482106.1	482106.1	482044.4	482044.4
EAST COORDINATE:	1379361.5	1379461.5	1379461.5	1378059.4	1378059.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	13.00 %		NV	17.00 %		NV	19.00 %		NV	20.00 %		NV	14.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061275			061280			061282			061287			061289		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA40			WPA40			WPA41			WPA41			WPA42		
DEPTH:	0-.5			1.5-2			0-.5			1.5-2			0-.5		
DATE COLLECTED:	22-APR-91			22-APR-91			22-APR-91			22-APR-91			22-APR-91		
NORTH COORDINATE:	482006.1			482006.1			481903.4			481903.4			481806.2		
EAST COORDINATE:	1379458.8			1379458.8			1379556			1379556			1379453.3		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	16.00 %		NV	15.00 %		NV	14.00 %		NV	14.00 %		NV	19.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061294	061295	061301	061303	061308
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA42	WPA43	WPA43	WPA44	WPA44
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	22-APR-91	22-APR-91	22-APR-91	23-APR-91	23-APR-91
NORTH COORDINATE:	481806.2	481709	481709	481606.3	481606.3
EAST COORDINATE:	1379453.3	1379350.6	1379350.6	1379447.8	1379447.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	20.00 %		NV	10.00 %		NV	20.00 %		NV	8.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061030			061035			061037			061042			061044		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA5			WPA5			WPA6			WPA6			WPA7		
DEPTH:	0-.5			1.5-2			0-.5			1.5-2			0-.5		
DATE COLLECTED:	20-APR-91			20-APR-91			20-APR-91			20-APR-91			22-APR-91		
NORTH COORDINATE:	481844.5			481844.5			481650.1			481650.1			481450.2		
EAST COORDINATE:	1378053.9			1378053.9			1377848.6			1377848.6			1377843.1		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	21.00 %		NV	23.00 %		NV	10.00 %		NV	16.00 %		NV	13.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	061049	061050	061056	061058	075505
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA7	WPA8	WPA8	WPA9	WPS-E-5
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	0-.5
DATE COLLECTED:	22-APR-91	22-APR-91	22-APR-91	21-APR-91	10-NOV-91
NORTH COORDINATE:	481450.2	481475.5	481475.5	481147.6	481119.49
EAST COORDINATE:	1377843.1	1377937.6	1377937.6	1377934.8	1378025.57
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	8.00 % MOISTURE		NV	13.00 %		NV	17.00 %		NV	9.00 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - TCLP/EPTOX

SAMPLE NUMBER:	075506			075507			075508								
TASK:	04.01			04.01			04.01								
LAB:	IT			IT			IT								
WELL OR BORING NUMBER:	WPS-F-7			WPS-G-22			WPS-H-15								
DEPTH:	0-.5			0-.5			0-.5			-			-		
DATE COLLECTED:	10-NOV-91			10-NOV-91			10-NOV-91								
NORTH COORDINATE:	481123.96			481077.57			481130.62								
EAST COORDINATE:	1378033.69			1378081.8			1378091.99								
QA TYPE:	NORMAL			NORMAL			NORMAL								
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-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															
% MOISTURE	7.00 % MOISTURE		NV	9.00 % MOISTURE		NV	6.00 % MOISTURE		NV						

000541

6416

Geotechnical & Miscellaneous Data

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	020102	020108	100600	051413	016595
TASK:	3.8	3.8	03.01.01	3.7	3.7
LAB:	UNKNOWN	UNKNOWN	IT	IT	IT
WELL OR BORING NUMBER:	035	036	1070	1148	1183
DEPTH:	1-2.5	1-2.5	0-.5	4.5-5	0-.5
DATE COLLECTED:	15-MAR-88	17-MAR-88	04-JAN-92	02-AUG-89	23-OCT-89
NORTH COORDINATE:	481600	481800	476940.09	480424.65	480704.01
EAST COORDINATE:	1381950	1381950	1382104.84	1381655.96	1380355.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	22.00 %		NV	16.00 %		NV	21.00 %		NV	20.00 %		NV	11.00 %		NV
% SOLIDS	79.60 % SOLIDS		NV				79.00 % SOLIDS		NV				89.20 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	016597	051755	051954	017276	017719
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1183	1184	1193	1213	1234
DEPTH:	.5-1	5-5.5	6-7.5	6.5-7	0-.5
DATE COLLECTED:	23-OCT-89	06-JUN-89	01-DEC-89	04-JUN-89	27-JUL-89
NORTH COORDINATE:	480704.01	480702.37	480634.42	480519.86	480207.9
EAST COORDINATE:	1380355.3	1380398.11	1380378.43	1380217.86	1380230.49
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	5.00 % MOISTURE		NV	23.00 %		NV	0.00 % MOISTURE		NV	0.00 % MOISTURE		NV
% SOLIDS	84.60 % SOLIDS		NV												

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	018069			018071			052753			052754			018289		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1250			1250			1252			1252			1260		
DEPTH:	0-.5			.5-1			0-.5			.5-1			0-.5		
DATE COLLECTED:	09-JAN-90			09-JAN-90			15-JUN-89			15-JUN-89			15-JUN-89		
NORTH COORDINATE:	479809.04			479809.04			479805.02			479805.02			479755.59		
EAST COORDINATE:	1379858.62			1379858.62			1379911.5			1379911.5			1379915.71		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-NA			DL-NA			NONE-NA			DL-NA			NONE-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															
% MOISTURE	13.00 %		NV	16.00 %		NV	11.00 %		NV	17.00 %		NV	11.00 %		NV
% SOLIDS	86.80 % SOLIDS		NV	83.90 % SOLIDS		NV	89.10 % SOLIDS		NV	83.00 % SOLIDS		NV	89.30 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	018290	018421	018422	018883	018884
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1260	1266	1266	1287	1287
DEPTH:	.5-1	0-.5	.5-1	0-.5	.5-1
DATE COLLECTED:	15-JUN-89	13-JUN-89	13-JUN-89	17-JUL-89	17-JUL-89
NORTH COORDINATE:	479755.59	479713.63	479713.63	481634.92	481634.92
EAST COORDINATE:	1379915.71	1380213.49	1380213.49	1380992.27	1380992.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	R-NA	NONE-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															
% MOISTURE	5.00 % MOISTURE		NV	23.00 %		NV	10.00 %		NV	11.00 %		NV	12.00 %		NV
% SOLIDS	94.70 % SOLIDS		NV	77.10 % SOLIDS		NV	89.90 % SOLIDS		NV	89.00 % SOLIDS		NV	87.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	053473	053474	019039	019345	019346
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1288	1288	1294	1308	1308
DEPTH:	0-.5	.5-1	2-3	0-.5	.5-1
DATE COLLECTED:	18-JUN-89	18-JUN-89	25-JUL-89	04-DEC-89	04-DEC-89
NORTH COORDINATE:	481643.94	481643.94	481401.55	480996.29	480996.29
EAST COORDINATE:	1381188.45	1381188.45	1381678.97	1381154.48	1381154.48
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV	13.00 %		NV	0.00 % MOISTURE		NV	7.00 % MOISTURE		NV	4.00 % MOISTURE		NV
% SOLIDS	85.50 % SOLIDS		NV	87.00 % SOLIDS		NV				92.70 % SOLIDS		NV	95.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	019525	054053	054054	054193	019763
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1316	1317	1317	1324	1327
DEPTH:	2-2.5	1-1.5	1.5-2	4.5-5	0-.5
DATE COLLECTED:	19-NOV-89	14-NOV-89	14-NOV-89	03-NOV-89	23-OCT-89
NORTH COORDINATE:	480963.42	480947.54	480947.54	480828.51	480751.73
EAST COORDINATE:	1380974.63	1381246.91	1381246.91	1381681.83	1381356.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	10.00 %		NV	10.00 %		NV	10.00 %		NV	14.00 %		NV	7.00 % MOISTURE		NV
% SOLIDS	89.20 % SOLIDS		NV	90.20 % SOLIDS		NV	89.70 % SOLIDS		NV				92.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	019764	050159	050160	054615	054616
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1327	1345	1345	1346	1346
DEPTH:	.5-1	1-1.5	1.5-2	1-1.5	1.5-2
DATE COLLECTED:	23-OCT-89	29-AUG-89	29-AUG-89	07-JAN-90	07-JAN-90
NORTH COORDINATE:	480751.73	481240.48	481240.48	481245.67	481245.67
EAST COORDINATE:	1381356.86	1380144.5	1380144.5	1380178.9	1380178.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV	15.00 %		NV	30.00 %		NV	10.00 %		NV	21.00 %		NV
% SOLIDS	85.60 % SOLIDS		NV	85.00 % SOLIDS		NV	70.30 % SOLIDS		NV	90.00 % SOLIDS		NV	79.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	050554	050555	054995	054996	055089
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1363	1363	1411	1411	1412
DEPTH:	0-.5	.5-1	9.5-10	10-10.5	5.5-6
DATE COLLECTED:	25-JUL-89	25-JUL-89	20-JUN-89	20-JUN-89	30-JUN-89
NORTH COORDINATE:	481611.99	481611.99	479800.96	479800.96	480702.37
EAST COORDINATE:	1381150.58	1381150.58	1379914.91	1379914.91	1380398.11
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	DL-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															
% MOISTURE	11.00 %		NV	8.00 % MOISTURE		NV	18.00 %		NV	23.00 %		NV	4.00 % MOISTURE		NV
% SOLIDS	88.90 % SOLIDS		NV	91.80 % SOLIDS		NV	81.70 % SOLIDS		NV	76.70 % SOLIDS		NV	95.70 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	047032	055906	055919	055932	055945
TASK:	20.03.04	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1433	1456	1459	1462	1465
DEPTH:	-	3.75-3.75	5-5	4-4	3.5-3.8
DATE COLLECTED:	29-JUL-92	05-NOV-89	06-NOV-89	07-NOV-89	08-NOV-89
NORTH COORDINATE:	477991.53	477940	477905	477867	477709
EAST COORDINATE:	1379116.16	1379479	1379631	1379784	1379566
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	DL-NA	NONE-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															
% MOISTURE				12.00 %		NV	8.00 % MOISTURE		NV	14.00 %		NV	17.00 %		NV
% SOLIDS				88.30 % SOLIDS		NV	92.00 % SOLIDS		NV	85.40 % SOLIDS		NV	82.30 % SOLIDS		NV
PH	8.10 SU		J												

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	055959			055972			055988			056022			056039		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1468			1471			1474			1481			1482		
DEPTH:	3.75-4			5-5.25			9.9-10			15-15			14-14		
DATE COLLECTED:	14-NOV-89			16-NOV-89			17-NOV-89			20-NOV-89			05-DEC-89		
NORTH COORDINATE:	477633			477395			478370.67			480852.84			480432.95		
EAST COORDINATE:	1379700			1379639			1379255.59			1378343.75			1379047.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	15.00 %		NV	14.00 %		NV	15.00 %		NV	8.00 % MOISTURE		NV	17.00 %		NV
% SOLIDS	84.70 % SOLIDS		NV	85.90 % SOLIDS		NV	84.60 % SOLIDS		NV	91.90 % SOLIDS		NV	82.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056055	000809	051160	051161	054059
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1485	1502	1508	1509	1510
DEPTH:	15-15	-	2-2.5	2-2.5	2-2.5
DATE COLLECTED:	07-DEC-89	10-JUL-90	04-FEB-90	04-FEB-90	04-FEB-90
NORTH COORDINATE:	481920.13	480463.56	482565.57	482519.65	482519.62
EAST COORDINATE:	1379767.41	1380433.65	1380840.06	1380840.66	1380877.9
QA TYPE:	NORMAL	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	14.00 %		NV				20.00 %		NV	15.00 %		NV	20.00 %		NV
% SOLIDS	86.00 % SOLIDS		NV				80200.00 UG/KG		NV	85.40 % SOLIDS		NV	80.00 % SOLIDS		NV
IGNITABILITY				45.00 DEGREES C		-									
PH				8.02 SU		-									

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FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	054439	051679	053519	053782	052259
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1511	1512	1513	1514	1515
DEPTH:	2-2.5	2-2.5	2-2.5	2-2.5	2-2.5
DATE COLLECTED:	05-FEB-90	06-FEB-90	06-FEB-90	06-FEB-90	07-FEB-90
NORTH COORDINATE:	482563.57	482541.56	482549.47	482540.76	482532.1
EAST COORDINATE:	1380881.74	1380926.1	1380951.4	1380973.96	1380949.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	20.00 %		NV	23.00 %		NV	19.00 %		NV	20.00 %		NV	22.00 %		NV
% SOLIDS	80.30 % SOLIDS		NV	76.80 % SOLIDS		NV	80.20 % SOLIDS		NV	79.90 % SOLIDS		NV	78.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056337			056102			056104			056106			056109		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1563			1565			1565			1565			1565		
DEPTH:	1-1.5			2-2.5			3-3.5			4-4.5			5.5-6		
DATE COLLECTED:	29-NOV-90			14-AUG-90			14-AUG-90			14-AUG-90			14-AUG-90		
NORTH COORDINATE:	480839.67			480814.02			480814.02			480814.02			480814.02		
EAST COORDINATE:	1381720.59			1381680.72			1381680.72			1381680.72			1381680.72		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	R-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	10.00 %		NV	12.00 %		NV	11.00 %		NV	12.00 %		NV	10.00 %		NV
% SOLIDS	89.30 % SOLIDS		NV												

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FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056119			056129			056141			056143			056145		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1565			1565			1568			1568			1568		
DEPTH:	10.5-11			15.5-16			1.5-2			2.5-3			3.5-4		
DATE COLLECTED:	14-AUG-90			14-AUG-90			15-AUG-90			15-AUG-90			15-AUG-90		
NORTH COORDINATE:	480814.02			480814.02			480784.16			480784.16			480784.16		
EAST COORDINATE:	1381680.72			1381680.72			1381679.81			1381679.81			1381679.81		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	10.00 %		NV	11.00 %		NV	13.00 %		NV	13.00 %		NV	11.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056149			056159			056169			056179			056181		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1568			1568			1568			1569			1569		
DEPTH:	5.5-6			10.5-11			15.5-16			1.5-2			2.5-3		
DATE COLLECTED:	15-AUG-90			15-AUG-90			15-AUG-90			21-AUG-90			21-AUG-90		
NORTH COORDINATE:	480784.16			480784.16			480784.16			480785.94			480785.94		
EAST COORDINATE:	1381679.81			1381679.81			1381679.81			1381721.18			1381721.18		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	10.00 %		NV	11.00 %		NV	12.00 %		NV	24.00 %		NV	11.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056183			056187			056197			056207			056219		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1569			1569			1569			1569			1570		
DEPTH:	3.5-4			5.5-6			10.5-11			15.5-16			1.5-2		
DATE COLLECTED:	21-AUG-90			21-AUG-90			22-AUG-90			22-AUG-90			23-AUG-90		
NORTH COORDINATE:	480785.94			480785.94			480785.94			480785.94			480782.58		
EAST COORDINATE:	1381721.18			1381721.18			1381721.18			1381721.18			1381731.98		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	11.00 %		NV	15.00 %		NV	13.00 %		NV	11.00 %		NV	12.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056221			056223			056227			056237			056247		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1570			1570			1570			1570			1570		
DEPTH:	2.5-3			3.5-4			5.5-6			10.5-11			15.5-16		
DATE COLLECTED:	23-AUG-90			23-AUG-90			23-AUG-90			23-AUG-90			23-AUG-90		
NORTH COORDINATE:	480782.58			480782.58			480782.58			480782.58			480782.58		
EAST COORDINATE:	1381731.98			1381731.98			1381731.98			1381731.98			1381731.98		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	14.00 %		NV	11.00 %		NV	9.00 % MOISTURE		NV	12.00 %		NV	14.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056878	056881	056885	056905	056908
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1571	1571	1571	1573	1573
DEPTH:	.5-1	2-2.5	4-4.5	.5-1	2-2.5
DATE COLLECTED:	18-OCT-90	23-OCT-90	23-OCT-90	31-OCT-90	01-NOV-90
NORTH COORDINATE:	481677.51	481677.51	481677.51	481591.63	481591.63
EAST COORDINATE:	1380995.47	1380995.47	1380995.47	1380986.56	1380986.56
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	20.00 %		NV	13.00 %		NV	10.00 %		NV	19.00 %		NV	20.00 %		NV
% SOLIDS	79.60 % SOLIDS		NV	86.50 % SOLIDS		NV	89.50 % SOLIDS		NV	80.60 % SOLIDS		NV	79.70 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056971	056974	056977	056887	056890
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1574	1574	1574	1575	1575
DEPTH:	.5-1	2-2.5	3.5-4	.5-1	2-2.5
DATE COLLECTED:	04-NOV-90	04-NOV-90	04-NOV-90	23-OCT-90	24-OCT-90
NORTH COORDINATE:	481665.79	481665.79	481665.79	481611.48	481611.48
EAST COORDINATE:	1381163.33	1381163.33	1381163.33	1381201.6	1381201.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	DL-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.00 %		NV	18.00 %		NV	20.00 %		NV	20.00 %		NV	19.00 %		NV
% SOLIDS	87.20 % SOLIDS		NV	81.70 % SOLIDS		NV	80.00 % SOLIDS		NV	86.70 % SOLIDS		NV	80.20 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056894	056982	056985	056989	056932
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1575	1576	1576	1576	1577
DEPTH:	4-4.5	.5-1	2-2.5	4-4.5	.5-1
DATE COLLECTED:	24-OCT-90	04-NOV-90	04-NOV-90	04-NOV-90	06-NOV-90
NORTH COORDINATE:	481611.48	481558.31	481558.31	481558.31	481607.16
EAST COORDINATE:	1381201.6	1381149.98	1381149.98	1381149.98	1381052.08
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	13.00 %		NV	11.00 %		NV	19.00 %		NV	12.00 %		NV	18.00 %		NV
% SOLIDS	86.70 % SOLIDS		NV	88.80 % SOLIDS		NV	80.20 % SOLIDS		NV	87.60 % SOLIDS		NV	81.40 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056935	056939	056941	056944	056948
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1577	1577	1578	1578	1578
DEPTH:	2-2.5	4-4.5	.5-1	2-2.5	4-4.5
DATE COLLECTED:	06-NOV-90	06-NOV-90	06-NOV-90	06-NOV-90	06-NOV-90
NORTH COORDINATE:	481607.16	481607.16	481676.05	481676.05	481676.05
EAST COORDINATE:	1381052.08	1381052.08	1381044.93	1381044.93	1381044.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	DL-NA	DL-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															
% MOISTURE	20.00 %		NV	25.00 %		NV	13.00 %		NV	21.00 %		NV	18.00 %		NV
% SOLIDS	79.20 % SOLIDS		NV	74.20 % SOLIDS		NV	86.20 % SOLIDS		NV	78.40 % SOLIDS		NV	81.50 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056960	056963	056967	056484	056487
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1580	1580	1580	1581	1581
DEPTH:	.5-1	2-2.5	4-4.5	.5-1	2-2.5
DATE COLLECTED:	07-NOV-90	07-NOV-90	07-NOV-90	27-SEP-90	02-OCT-90
NORTH COORDINATE:	481676	481676	481676	481109.84	481109.84
EAST COORDINATE:	1381101.87	1381101.87	1381101.87	1380971.81	1380971.81
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	DL-NA	DL-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															
% MOISTURE	13.00 %		NV	1.00 % MOISTURE		NV	19.00 %		NV	13.00 %		NV	14.00 %		NV
% SOLIDS	85.60 % SOLIDS		NV	93.00 % SOLIDS		NV	84.40 % SOLIDS		NV	86.80 % SOLIDS		NV	85.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056491	056502	056506	056509	056513
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1581	1581	1582	1582	1582
DEPTH:	4-4.5	9.5-10	.5-1	2-2.5	4-4.5
DATE COLLECTED:	02-OCT-90	02-OCT-90	03-OCT-90	03-OCT-90	03-OCT-90
NORTH COORDINATE:	481109.84	481109.84	481107.89	481107.89	481107.89
EAST COORDINATE:	1380971.81	1380971.81	1381010.09	1381010.09	1381010.09
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	12.00 %		NV	11.00 %		NV	7.00 % MOISTURE		NV	4.00 % MOISTURE		NV	11.00 %		NV
% SOLIDS	87.90 % SOLIDS		NV	88.60 % SOLIDS		NV	92.10 % SOLIDS		NV	95.80 % SOLIDS		NV	89.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056524			056551			056554			056558			056569		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1582			1583			1583			1583			1583		
DEPTH:	9.5-10			.5-1			2-2.5			4-4.5			9.5-10		
DATE COLLECTED:	03-OCT-90			27-SEP-90			02-OCT-90			02-OCT-90			02-OCT-90		
NORTH COORDINATE:	481107.89			481108.71			481108.71			481108.71			481108.71		
EAST COORDINATE:	1381010.09			1381049.62			1381049.62			1381049.62			1381049.62		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			R-NA			NONE-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															
% MOISTURE	12.00 %		NV	8.00 % MOISTURE		NV	5.00 % MOISTURE		NV	6.00 % MOISTURE		NV	13.00 %		NV
% SOLIDS	87.50 % SOLIDS		NV	92.30 % SOLIDS		NV	94.60 % SOLIDS		NV	94.00 % SOLIDS		NV	87.30 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056573			056576			056580			056595			056598		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1584			1584			1584			1585			1585		
DEPTH:	.5-1			2-2.5			4-4.5			.5-1			2-2.5		
DATE COLLECTED:	24-SEP-90			24-SEP-90			24-SEP-90			25-SEP-90			25-SEP-90		
NORTH COORDINATE:	481106.15			481106.15			481106.15			481104.43			481104.43		
EAST COORDINATE:	1381080.47			1381080.47			1381080.47			1381113.55			1381113.55		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-NA			DL-NA			NONE-NA			NONE-NA			R-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															
% MOISTURE	22.00 %		NV	8.00 % MOISTURE		NV	12.00 %		NV	16.00 %		NV	13.00 %		NV
% SOLIDS	78.40 % SOLIDS		NV	91.40 % SOLIDS		NV	87.80 % SOLIDS		NV	83.80 % SOLIDS		NV	86.90 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056602			056613			056617			056620			056624		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1585			1585			1586			1586			1586		
DEPTH:	4-4.5			9.5-10			.5-1			2-2.5			4-4.5		
DATE COLLECTED:	26-SEP-90			26-SEP-90			25-SEP-90			25-SEP-90			26-SEP-90		
NORTH COORDINATE:	481104.43			481104.43			481105.28			481105.28			481105.28		
EAST COORDINATE:	1381113.55			1381113.55			1381147.01			1381147.01			1381147.01		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			R-NA			NONE-NA			NONE-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															
% MOISTURE	11.00 %		NV	10.00 %		NV	18.00 %		NV	12.00 %		NV	12.00 %		NV
% SOLIDS	88.30 % SOLIDS		NV	90.10 % SOLIDS		NV	81.80 % SOLIDS		NV	87.90 % SOLIDS		NV	87.40 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056635			056417			056425			056436			056462		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1586			1588			1588			1588			1589		
DEPTH:	9.5-10			0-.5			4-4.5			9.5-10			.5-1		
DATE COLLECTED:	26-SEP-90			19-SEP-90			20-SEP-90			20-SEP-90			21-SEP-90		
NORTH COORDINATE:	481105.28			481059.76			481059.76			481059.76			481057.96		
EAST COORDINATE:	1381147.01			1381009.31			1381009.31			1381009.31			1381042.67		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	10.00 %		NV	8.00 % MOISTURE		NV	12.00 %		NV	8.00 % MOISTURE		NV	13.00 %		NV
% SOLIDS	89.60 % SOLIDS		NV	91.80 % SOLIDS		NV	87.90 % SOLIDS		NV	91.30 % SOLIDS		NV	86.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056465	056440	056443	056447	056458
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1589	1590	1590	1590	1590
DEPTH:	2-2.5	.5-1	2-2.5	4-4.5	9.5-10
DATE COLLECTED:	21-SEP-90	20-SEP-90	20-SEP-90	20-SEP-90	20-SEP-90
NORTH COORDINATE:	481057.96	481056.64	481056.64	481056.64	481056.64
EAST COORDINATE:	1381042.67	1381075.87	1381075.87	1381075.87	1381075.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV	8.00 % MOISTURE		NV	11.00 %		NV	10.00 %		NV	7.00 % MOISTURE		NV
% SOLIDS	89.90 % SOLIDS		NV	91.70 % SOLIDS		NV	88.80 % SOLIDS		NV	89.10 % SOLIDS		NV	92.10 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056529			056661			056664			056668			056683		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1591			1592			1592			1592			1593		
DEPTH:	.5-1			.5-1			2-2.5			4-4.5			.5-1		
DATE COLLECTED:	21-SEP-90			24-SEP-90			24-SEP-90			24-SEP-90			01-NOV-90		
NORTH COORDINATE:	481080.76			481078.54			481078.54			481078.54			481005.94		
EAST COORDINATE:	1381111.82			1381139.76			1381139.76			1381139.76			1380975.47		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			DL-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															
% MOISTURE	10.00 %		NV	9.00 % MOISTURE		NV	11.00 %		NV	11.00 %		NV	9.00 % MOISTURE		NV
% SOLIDS	90.00 % SOLIDS		NV	90.80 % SOLIDS		NV	88.30 % SOLIDS		NV	88.10 % SOLIDS		NV	90.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056686	056690	056701	056705	056708
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1593	1593	1593	1594	1594
DEPTH:	2-2.5	4-4.5	9.5-10	.5-1	2-2.5
DATE COLLECTED:	01-NOV-90	01-NOV-90	01-NOV-90	07-OCT-90	07-OCT-90
NORTH COORDINATE:	481005.94	481005.94	481005.94	481003.19	481003.19
EAST COORDINATE:	1380975.47	1380975.47	1380975.47	1381008.93	1381008.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	DL-NA	DL-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															
% MOISTURE	12.00 %		NV	9.00 % MOISTURE		NV	10.00 %		NV	13.00 %		NV	10.00 %		NV
% SOLIDS	88.20 % SOLIDS		NV	90.70 % SOLIDS		NV	89.40 % SOLIDS		NV	86.60 % SOLIDS		NV	89.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056712			056723			056730			056745			056815		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1594			1594			1595			1595			1599		
DEPTH:	4-4.5			9.5-10			2-2.5			9.5-10			1.5-2		
DATE COLLECTED:	07-OCT-90			11-OCT-90			07-OCT-90			11-OCT-90			18-OCT-90		
NORTH COORDINATE:	481003.19			481003.19			481005.09			481005.09			480970.6		
EAST COORDINATE:	1381008.93			1381008.93			1381041.7			1381041.7			1381033.7		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-NA			DL-NA			DL-NA			DL-NA			DL-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															
% MOISTURE	4.00 % MOISTURE		NV	11.00 %		NV	13.00 %		NV	14.00 %		NV	4.00 % MOISTURE		NV
% SOLIDS	95.20 % SOLIDS		NV	88.70 % SOLIDS		NV	86.80 % SOLIDS		NV	86.30 % SOLIDS		NV	95.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056820	056823	056830	056837	056840
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1599	1599	1599	1600	1600
DEPTH:	4-4.5	5.5-6	9-9.5	4.5-5	6-6.5
DATE COLLECTED:	23-OCT-90	23-OCT-90	23-OCT-90	24-OCT-90	24-OCT-90
NORTH COORDINATE:	480970.6	480970.6	480970.6	480968.57	480968.57
EAST COORDINATE:	1381033.7	1381033.7	1381033.7	1381080.16	1381080.16
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	11.00 %		NV	10.00 %		NV	11.00 %		NV	10.00 %		NV
% SOLIDS	88.60 % SOLIDS		NV	88.60 % SOLIDS		NV	89.50 % SOLIDS		NV	88.90 % SOLIDS		NV	89.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	056843			056847			052781			052784			052788		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1600			1600			1601			1601			1601		
DEPTH:	7.5-8			9.5-10			.5-1			2-2.5			4-4.5		
DATE COLLECTED:	25-OCT-90			25-OCT-90			13-SEP-90			13-SEP-90			13-SEP-90		
NORTH COORDINATE:	480968.57			480968.57			480774.78			480774.78			480774.78		
EAST COORDINATE:	1381080.16			1381080.16			1381358.96			1381358.96			1381358.96		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			DL-NA			NONE-NA			NONE-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															
% MOISTURE	13.00 %		NV	11.00 %		NV	7.00 % MOISTURE		NV	13.00 %		NV	13.00 %		NV
% SOLIDS	86.60 % SOLIDS		NV	88.20 % SOLIDS		NV	93.00 % SOLIDS		NV	87.10 % SOLIDS		NV	87.30 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	018176	052775	052779	018170	018174
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1602	1602	1602	1603	1603
DEPTH:	.5-1	2-2.5	4-4.5	2-2.5	4-4.5
DATE COLLECTED:	11-SEP-90	11-SEP-90	11-SEP-90	10-SEP-90	10-SEP-90
NORTH COORDINATE:	480768.14	480768.14	480768.14	480777.57	480777.57
EAST COORDINATE:	1381301.1	1381301.1	1381301.1	1381249.59	1381249.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	R-NA	NONE-NA	NONE-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															
% MOISTURE	6.00 % MOISTURE		NV	10.00 %		NV	10.00 %		NV	12.00 %		NV	12.00 %		NV
% SOLIDS	93.20 % SOLIDS		NV	89.20 % SOLIDS		NV	90.00 % SOLIDS		NV	87.70 % SOLIDS		NV	88.20 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	018158			018161			018165			052790			052793		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1604			1604			1604			1605			1605		
DEPTH:	.5-1			2-2.5			4-4.5			.5-1			2-2.5		
DATE COLLECTED:	09-SEP-90			09-SEP-90			09-SEP-90			18-SEP-90			18-SEP-90		
NORTH COORDINATE:	480771.47			480771.47			480771.47			480767.45			480767.45		
EAST COORDINATE:	1381199.06			1381199.06			1381199.06			1381393.37			1381393.37		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	10.00 %		NV	12.00 %		NV	11.00 %		NV	10.00 %		NV	15.00 %		NV
% SOLIDS	89.60 % SOLIDS		NV	88.20 % SOLIDS		NV	89.40 % SOLIDS		NV	89.20 % SOLIDS		NV	84.90 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	018203	057232	057233	057276	057277
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1605	1607	1607	1608	1608
DEPTH:	4-4.5	4-4.5	4.5-5	4-4.5	4.5-5
DATE COLLECTED:	18-SEP-90	02-FEB-91	02-FEB-91	25-FEB-91	25-FEB-91
NORTH COORDINATE:	480767.45	480303.77	480303.77	480249.42	480249.42
EAST COORDINATE:	1381393.37	1381636.76	1381636.76	1381636.29	1381636.25
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV	26.00 %		NV	24.00 %		NV	30.00 %		NV	30.00 %		NV
% SOLIDS	89.50 % SOLIDS		NV	74.30 % SOLIDS		NV	77.50 % SOLIDS		NV	70.00 % SOLIDS		NV	69.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	057320	057321	057366	057103	057104
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1609	1609	1610	1611	1611
DEPTH:	4-4.5	4.5-5	4.5-5	4-4.5	4.5-5
DATE COLLECTED:	22-JAN-91	22-JAN-91	19-JAN-91	12-DEC-90	12-DEC-90
NORTH COORDINATE:	480313.17	480313.17	480280.2	480423.16	480423.16
EAST COORDINATE:	1381676.09	1381676.09	1381673.17	1381733.29	1381733.29
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	R-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	4.00 % MOISTURE		NV	0.00 % MOISTURE		NV	2.00 % MOISTURE		NV	25.00 %		NV	25.00 %		NV
% SOLIDS	95.00 % SOLIDS		NV	100.00 % SOLIDS		NV	97.00 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	064030	064034	064039	064043	064003
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:	1616	1616	1616	1616	1617
DEPTH:	83-85.2	89.2-90.5	103-104.	106.-108	61-62.2
DATE COLLECTED:	26-JUN-91	26-JUN-91	28-JUN-91	28-JUN-91	04-MAY-91
NORTH COORDINATE:	480469.31	480469.31	480469.31	480469.31	480309.37
EAST COORDINATE:	1378315.91	1378315.91	1378315.91	1378315.91	1378393.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.00 %		NV	10.90 %		NV	14.00 %		NV	16.00 %		NV	9.60 %		NV
% SOLIDS	88.00 % SOLIDS		NV				86.40 % SOLIDS		NV						
LIQUID LIMIT				29.00 NONE		NV				23.00 NONE		NV	15.00 NONE		NV
PLASTICITY INDEX				15.00 NONE		NV				10.00 NONE		NV	3.00 NONE		NV
SPECIFIC GRAVITY				2.77 NONE		NV				2.75 NONE		NV	2.70 NONE		NV
GRAIN SIZE DIAMETER, 0.0012 MM													4.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.0027 MM										20.90 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0028 MM				14.20 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0030 MM													6.20 % FINER		NV
GRAIN SIZE DIAMETER, 0.0038 MM										25.60 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0039 MM				17.10 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0113 MM													12.90 % FINER		NV
GRAIN SIZE DIAMETER, 0.075 MM				31.30 % FINER		NV				70.50 % FINER		NV	26.60 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM				33.00 % FINER		NV				72.70 % FINER		NV	28.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM				39.30 % FINER		NV				78.80 % FINER		NV	41.10 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM				45.70 % FINER		NV				82.20 % FINER		NV	48.70 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM				55.90 % FINER		NV				85.80 % FINER		NV	58.30 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM				100.00 % FINER		NV				100.00 % FINER		NV	92.10 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM				70.70 % FINER		NV				90.00 % FINER		NV	70.00 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM				100.00 % FINER		NV				100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM				85.70 % FINER		NV				94.80 % FINER		NV	79.30 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM				100.00 % FINER		NV				100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM				96.50 % FINER		NV				98.10 % FINER		NV	85.90 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	064102	064107	064112	064117	064123
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:	1618	1618	1618	1618	1618
DEPTH:	47.5-48.5	51.2-52.5	67.5-70	71.2-72.5	87.5-90
DATE COLLECTED:	29-JUL-91	30-JUL-91	30-JUL-91	31-JUL-91	01-AUG-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480307.07
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	23.50 %		NV	22.00 %		NV	20.20 %		NV	17.00 %		NV
% SOLIDS	82.60 % SOLIDS		NV				77.30 % SOLIDS		NV				82.50 % SOLIDS		NV
LIQUID LIMIT				42.00 NONE		-				27.00 NONE		-			
PLASTICITY INDEX				24.00 NONE		-				11.00 NONE		-			
SPECIFIC GRAVITY				2.78 NONE		-				2.80 NONE		-			
GRAIN SIZE DIAMETER, 0.0027 MM										23.30 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0037 MM										27.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0051 MM										30.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0419 MM										75.00 % FINER		NV			
GRAIN SIZE DIAMETER, 0.075 MM				94.90 % FINER		NV				96.20 % FINER		NV			
GRAIN SIZE DIAMETER, 0.106 MM				96.50 % FINER		NV				97.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.25 MM				99.30 % FINER		NV				98.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.425 MM				99.70 % FINER		NV				98.80 % FINER		NV			
GRAIN SIZE DIAMETER, 0.85 MM				99.90 % FINER		NV				99.50 % FINER		NV			
GRAIN SIZE DIAMETER, 19 MM				100.00 % FINER		NV				100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 2 MM				100.00 % FINER		NV				99.90 % FINER		NV			
GRAIN SIZE DIAMETER, 37.5 MM				100.00 % FINER		NV				100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 4.75 MM				100.00 % FINER		NV				100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 75 MM				100.00 % FINER		NV				100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 9.5 MM				100.00 % FINER		NV				100.00 % FINER		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	064127	064134	064138	064146	064150
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:	1618	1618	1618	1618	1618
DEPTH:	91.2-92.5	105-107.	108.-110	125-127.	128.-130
DATE COLLECTED:	01-AUG-91	02-AUG-91	02-AUG-91	03-AUG-91	03-AUG-91
NORTH COORDINATE:	480307.07	480307.07	480307.07	480307.07	480307.07
EAST COORDINATE:	1378575.33	1378575.33	1378575.33	1378575.33	1378575.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.30 %		NV	18.00 %		NV	21.80 %		NV	19.00 %		NV	22.80 %		NV
% SOLIDS				82.10 % SOLIDS		NV				80.70 % SOLIDS		NV			
LIQUID LIMIT	24.00 NONE		-				26.00 NONE		-				25.00 NONE		NV
PLASTICITY INDEX	10.00 NONE		-				11.00 NONE		-				11.00 NONE		NV
SPECIFIC GRAVITY	2.80 NONE		-				2.77 NONE		-				2.76 NONE		NV
GRAIN SIZE DIAMETER, 0.00272 MM	40 % FINER		NV										24.80 % FINER		NV
GRAIN SIZE DIAMETER, 0.0037 MM													29.90 % FINER		NV
GRAIN SIZE DIAMETER, 0.00382 MM	60 % FINER		NV												
GRAIN SIZE DIAMETER, 0.00513 MM	90 % FINER		NV										34.00 % FINER		NV
GRAIN SIZE DIAMETER, 0.0213 MM							73.80 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0301 MM							77.80 % FINER		NV				72.20 % FINER		NV
GRAIN SIZE DIAMETER, 0.075 MM	40 % FINER		NV				99.60 % FINER		UNV				97.90 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM	30 % FINER		NV				99.80 % FINER		UNV				98.80 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM	9.40 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM	70 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM	9.90 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM	100.00 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM	100.00 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM	100.00 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM	100.00 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM	100.00 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM	100.00 % FINER		NV				100.00 % FINER		UNV				100.00 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	064067	064079	064085	099461	099462
TASK:	40.03.01	40.03.01	40.03.01	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1619	1619	1619	1620	1620
DEPTH:	57.5-60	81.2-82.5	103.-105	3-4	4-5
DATE COLLECTED:	20-JUL-91	23-JUL-91	25-JUL-91	15-MAY-91	15-MAY-91
NORTH COORDINATE:	480412.98	480412.98	480412.98	480402.83	480402.83
EAST COORDINATE:	1378593.22	1378593.22	1378593.22	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.00 %		NV	28.30 %		NV	12.50 %		NV	22.40 %		NV	17.00 %		NV
% SOLIDS	83.70 % SOLIDS		NV												
LIQUID LIMIT				22.00 NONE		-	17.00 NONE		-	32.00 NONE		NV			
PLASTICITY INDEX				7.00 NONE		-	5.00 NONE		-	14.00 NONE		NV			
SPECIFIC GRAVITY				2.85 NONE		-	2.75 NONE		-	2.70 NONE		NV			
GRAIN SIZE DIAMETER, 0.0012 MM							7.20 % FINER		NV	15.70 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0028 MM				15.70 % FINER		NV				22.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0029 MM							10.30 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0039 MM				17.70 % FINER		NV				26.80 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0058 MM							14.40 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0083 MM							18.50 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0301 MM							30.80 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0419 MM							33.90 % FINER		NV						
GRAIN SIZE DIAMETER, 0.075 MM				91.90 % FINER		NV	41.80 % FINER		NV	81.80 % FINER		NV			
GRAIN SIZE DIAMETER, 0.106 MM				96.30 % FINER		NV	45.80 % FINER		NV	84.10 % FINER		NV			
GRAIN SIZE DIAMETER, 0.25 MM				99.80 % FINER		NV	58.80 % FINER		NV	90.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.425 MM				99.90 % FINER		NV	66.10 % FINER		NV	93.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.85 MM				100.00 % FINER		NV	73.60 % FINER		NV	95.50 % FINER		NV			
GRAIN SIZE DIAMETER, 19 MM				100.00 % FINER		NV	100.00 % FINER		NV	100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 2 MM				100.00 % FINER		NV	82.40 % FINER		NV	97.60 % FINER		NV			
GRAIN SIZE DIAMETER, 37.5 MM				100.00 % FINER		NV	100.00 % FINER		NV	100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 4.75 MM				100.00 % FINER		NV	90.60 % FINER		NV	99.30 % FINER		NV			
GRAIN SIZE DIAMETER, 75 MM				100.00 % FINER		NV	100.00 % FINER		NV	100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 9.5 MM				100.00 % FINER		NV	99.50 % FINER		NV	99.80 % FINER		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099468	099469	099483	099484	099489
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1620
DEPTH:	-5	-5	15-16	16-17	-16
DATE COLLECTED:	15-MAY-91	15-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480402.83
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378440.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV				18.00 %		NV	22.30 %		NV	18.00 %		NV
% SOLIDS				82.40 % SOLIDS		NV									
LIQUID LIMIT										29.00 NONE		NV			
PLASTICITY INDEX										15.00 NONE		NV			
SPECIFIC GRAVITY										2.73 NONE		NV			
GRAIN SIZE DIAMETER, 0.0012 MM										15.80 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0028 MM										20.00 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0039 MM										23.10 % FINER		NV			
GRAIN SIZE DIAMETER, 0.075 MM										64.40 % FINER		NV			
GRAIN SIZE DIAMETER, 0.106 MM										66.80 % FINER		NV			
GRAIN SIZE DIAMETER, 0.25 MM										74.90 % FINER		NV			
GRAIN SIZE DIAMETER, 0.425 MM										80.70 % FINER		NV			
GRAIN SIZE DIAMETER, 0.85 MM										86.70 % FINER		NV			
GRAIN SIZE DIAMETER, 19 MM										100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 2 MM										93.30 % FINER		NV			
GRAIN SIZE DIAMETER, 37.5 MM										100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 4.75 MM										98.20 % FINER		NV			
GRAIN SIZE DIAMETER, 75 MM										100.00 % FINER		NV			
GRAIN SIZE DIAMETER, 9.5 MM										100.00 % FINER		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099490	099501	099514	099517	099530
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1620	1620	1620	1620	1621
DEPTH:	-16	22-23	-21	-21	2-3
DATE COLLECTED:	16-MAY-91	17-MAY-91	17-MAY-91	17-MAY-91	21-MAY-91
NORTH COORDINATE:	480402.83	480402.83	480402.83	480402.83	480517.8
EAST COORDINATE:	1378440.71	1378440.71	1378440.71	1378440.71	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE				22.50 %		NV				18.00 %		NV	24.10 %		NV
% SOLIDS	81.70 % SOLIDS		NV				81.30 % SOLIDS		NV						
LIQUID LIMIT				37.00 NONE		NV							31.00 NONE		NV
PLASTICITY INDEX				19.00 NONE		NV							12.00 NONE		NV
SPECIFIC GRAVITY				2.68 NONE		NV							2.69 NONE		NV
GRAIN SIZE DIAMETER, 0.0012 MM				21.50 % FINER		NV							13.00 % FINER		NV
GRAIN SIZE DIAMETER, 0.0027 MM				28.30 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0028 MM													19.40 % FINER		NV
GRAIN SIZE DIAMETER, 0.0038 MM				32.80 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0039 MM													23.80 % FINER		NV
GRAIN SIZE DIAMETER, 0.0052 MM				37.40 % FINER		NV									
GRAIN SIZE DIAMETER, 0.075 MM				86.60 % FINER		NV							78.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM				88.40 % FINER		NV							80.60 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM				93.20 % FINER		NV							86.40 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM				95.50 % FINER		NV							89.60 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM				97.20 % FINER		NV							92.60 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM				100.00 % FINER		NV							100.00 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM				98.20 % FINER		NV							95.60 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM				100.00 % FINER		NV							100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM				99.20 % FINER		NV							98.80 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM				100.00 % FINER		NV							100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM				99.80 % FINER		NV							100.00 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099533	099541	099542	099558	099559
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	5-6	-6	-6	-6	-6
DATE COLLECTED:	21-MAY-91	21-MAY-91	21-MAY-91	22-MAY-91	22-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	17.00 %		NV				19.00 %		NV			
% SOLIDS							82.10 % SOLIDS		NV				88.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099579	099580	099548	099550	099572
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1621	1621	1621	1621
DEPTH:	-6	-6	13-14	15-16	25-26
DATE COLLECTED:	23-MAY-91	23-MAY-91	22-MAY-91	22-MAY-91	23-MAY-91
NORTH COORDINATE:	480517.8	480517.8	480517.8	480517.8	480517.8
EAST COORDINATE:	1378442.96	1378442.96	1378442.96	1378442.96	1378442.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV				18.00 %		NV	16.00 %		NV	20.00 %		NV
% SOLIDS				80.10 % SOLIDS		NV									
LIQUID LIMIT							23.00 NONE		NV						
PLASTICITY INDEX							9.00 NONE		NV						
SPECIFIC GRAVITY							2.74 NONE		NV						
GRAIN SIZE DIAMETER, 0.0012 MM							14.60 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0028 MM							17.10 % FINER		NV						
GRAIN SIZE DIAMETER, 0.0058 MM							24.40 % FINER		NV						
GRAIN SIZE DIAMETER, 0.075 MM							72.20 % FINER		NV						
GRAIN SIZE DIAMETER, 0.106 MM							75.30 % FINER		NV						
GRAIN SIZE DIAMETER, 0.25 MM							83.10 % FINER		NV						
GRAIN SIZE DIAMETER, 0.425 MM							86.80 % FINER		NV						
GRAIN SIZE DIAMETER, 0.85 MM							90.40 % FINER		NV						
GRAIN SIZE DIAMETER, 19 MM							100.00 % FINER		NV						
GRAIN SIZE DIAMETER, 2 MM							95.20 % FINER		NV						
GRAIN SIZE DIAMETER, 37.5 MM							100.00 % FINER		NV						
GRAIN SIZE DIAMETER, 4.75 MM							97.90 % FINER		NV						
GRAIN SIZE DIAMETER, 75 MM							100.00 % FINER		NV						
GRAIN SIZE DIAMETER, 9.5 MM							99.30 % FINER		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099573	099588	099590	099593	099595
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1621	1622	1622	1622	1622
DEPTH:	26-27	0-1	2-3	0-10	0-10
DATE COLLECTED:	22-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91	29-MAY-91
NORTH COORDINATE:	480517.8	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378442.96	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	22.00 %		NV	17.00 %		NV	24.80 %		NV	17.00 %		NV			
% SOLIDS													82.60 % SOLIDS		NV
LIQUID LIMIT	34.00 NONE		NV				33.00 NONE		NV						
PLASTICITY INDEX	17.00 NONE		NV				16.00 NONE		NV						
SPECIFIC GRAVITY	2.75 NONE		NV				2.69 NONE		NV						
GRAIN SIZE DIAMETER, 0.0012 MM							17.60 % FINER		NV						
GRAIN SIZE DIAMETER, 0.00272MM	60 % FINER		NV												
GRAIN SIZE DIAMETER, 0.0028 MM							24.20 % FINER		NV						
GRAIN SIZE DIAMETER, 0.00372MM	90 % FINER		NV												
GRAIN SIZE DIAMETER, 0.0039 MM							28.60 % FINER		NV						
GRAIN SIZE DIAMETER, 0.00513MM	20 % FINER		NV												
GRAIN SIZE DIAMETER, 0.075 MM	60 % FINER		NV				84.60 % FINER		NV						
GRAIN SIZE DIAMETER, 0.106 MM	50 % FINER		NV				86.40 % FINER		NV						
GRAIN SIZE DIAMETER, 0.25 MM	5.90 % FINER		NV				91.40 % FINER		NV						
GRAIN SIZE DIAMETER, 0.425 MM	20 % FINER		NV				93.70 % FINER		NV						
GRAIN SIZE DIAMETER, 0.85 MM	5.50 % FINER		NV				95.50 % FINER		NV						
GRAIN SIZE DIAMETER, 19 MM	100.00 % FINER		NV				100.00 % FINER		NV						
GRAIN SIZE DIAMETER, 2 MM	98.20 % FINER		NV				97.40 % FINER		NV						
GRAIN SIZE DIAMETER, 37.5 MM	100.00 % FINER		NV				100.00 % FINER		NV						
GRAIN SIZE DIAMETER, 4.75 MM	9.50 % FINER		NV				98.90 % FINER		NV						
GRAIN SIZE DIAMETER, 75 MM	100.00 % FINER		NV				100.00 % FINER		NV						
GRAIN SIZE DIAMETER, 9.5 MM	100.00 % FINER		NV				100.00 % FINER		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099602	099603	099608	099609	099617
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1622	1622	1622	1622	1622
DEPTH:	15-16	16-17	10-20	10-20	23-24
DATE COLLECTED:	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91	30-MAY-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480401.61	480401.61
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378528.95	1378528.95
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV	12.10 %		NV	14.00 %		NV				23.40 %		NV
% SOLIDS										90.20 % SOLIDS		NV			
LIQUID LIMIT				22.00 NONE		NV							33.00 NONE		NV
PLASTICITY INDEX				9.00 NONE		NV							19.00 NONE		NV
SPECIFIC GRAVITY				2.75 NONE		NV							2.72 NONE		NV
GRAIN SIZE DIAMETER, 0.0012 MM				6.50 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0027 MM													26.10 % FINER		NV
GRAIN SIZE DIAMETER, 0.0028 MM				10.50 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0038 MM													29.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.0039 MM				13.00 % FINER		NV									
GRAIN SIZE DIAMETER, 0.075 MM				39.60 % FINER		NV							79.70 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM				41.80 % FINER		NV							84.30 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM				49.60 % FINER		NV							94.70 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM				55.40 % FINER		NV							96.70 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM				62.30 % FINER		NV							98.00 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM				96.30 % FINER		NV							100.00 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM				73.60 % FINER		NV							99.20 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM				100.00 % FINER		NV							100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM				83.30 % FINER		NV							99.90 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM				100.00 % FINER		NV							100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM				91.20 % FINER		NV							100.00 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099619	099625	099626	099634	099653
TASK:	40.03.02	40.03.02	40.03.02	40.03.02	40.03.02
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1622	1622	1622	1623	1623
DEPTH:	25-26	20-30	20-30	-6	-15
DATE COLLECTED:	31-MAY-91	31-MAY-91	31-MAY-91	03-JUN-91	04-JUN-91
NORTH COORDINATE:	480401.61	480401.61	480401.61	480515.1	480515.1
EAST COORDINATE:	1378528.95	1378528.95	1378528.95	1378532.07	1378532.07
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.00 %		NV	18.00 %		NV				16.80 %		NV	26.80 %		NV
% SOLIDS							81.80 % SOLIDS		NV						
LIQUID LIMIT										30.00 NONE		NV	34.00 NONE		NV
PLASTICITY INDEX										15.00 NONE		NV	14.00 NONE		NV
SPECIFIC GRAVITY										2.78 NONE		NV	2.68 NONE		NV
GRAIN SIZE DIAMETER, 0.0012 MM													12.60 % FINER		NV
GRAIN SIZE DIAMETER, 0.0028 MM										17.80 % FINER		NV	20.00 % FINER		NV
GRAIN SIZE DIAMETER, 0.0038 MM										23.00 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0039 MM													24.20 % FINER		NV
GRAIN SIZE DIAMETER, 0.075 MM										59.10 % FINER		NV	76.70 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM										61.40 % FINER		NV	79.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM										68.60 % FINER		NV	87.90 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM										73.20 % FINER		NV	92.20 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM										77.90 % FINER		NV	95.30 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM										95.60 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM										83.70 % FINER		NV	97.60 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM										100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM										88.10 % FINER		NV	99.40 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM										100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM										92.30 % FINER		NV	100.00 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099654			099660			099661			099669			099676		
TASK:	40.03.02			40.03.02			40.03.02			40.03.02			40.03.02		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1623			1623			1623			1623			1623		
DEPTH:	-16			-16			-16			-24			-24		
DATE COLLECTED:	04-JUN-91			04-JUN-91			04-JUN-91			05-JUN-91			05-JUN-91		
NORTH COORDINATE:	480515.1			480515.1			480515.1			480515.1			480515.1		
EAST COORDINATE:	1378532.07			1378532.07			1378532.07			1378532.07			1378532.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	17.00 %		NV	17.00 %		NV				17.00 %		NV	17.00 %		NV
% SOLIDS							82.80 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099677	057000	057002	057006	057008
TASK:	40.03.02	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1623	1668	1669	1671	1672
DEPTH:	-24	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:	05-JUN-91	04-DEC-90	04-DEC-90	04-DEC-90	04-DEC-90
NORTH COORDINATE:	480515.1	482660.83	482657.08	482611.28	482590.12
EAST COORDINATE:	1378532.07	1380751.18	1380738.52	1380736.91	1380737.23
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	R-NA	R-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															
% MOISTURE							12.00 %		NV	19.00 %		NV	39.00 %		NV
% SOLIDS	82.50 % SOLIDS		NV	89.60 % SOLIDS		NV	87.90 % SOLIDS		NV	80.30 % SOLIDS		NV	61.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	057010	057493	057497	057508	057518
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1673	1674	1674	1674	1674
DEPTH:	0-.5	4-4.5	6-6.5	11.5-12	16.5-17
DATE COLLECTED:	04-DEC-90	16-DEC-90	16-DEC-90	17-DEC-90	18-DEC-90
NORTH COORDINATE:	482584.41	479899.84	479899.84	479899.84	479899.84
EAST COORDINATE:	1380757.21	1379930.97	1379930.97	1379930.97	1379930.97
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 UG/KG		NV	11.00 %		NV	18.00 %		NV	12.00 %		NV	11.00 %		NV
% SOLIDS	82500.00 UG/KG		NV	88.50 % SOLIDS		NV	81.60 % SOLIDS		NV	87.00 % SOLIDS		NV	87.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	057532			057535			057539			057550			057560		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1676			1676			1676			1676			1676		
DEPTH:	.5-1			2-2.5			4-4.5			9.5-10			14.5-15		
DATE COLLECTED:	08-MAR-91			08-MAR-91			09-MAR-91			09-MAR-91			10-MAR-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-NA			R-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	9.00 % MOISTURE		NV	19.00 %		NV	9.00 % MOISTURE		NV	10.00 %		NV	9.00 % MOISTURE		NV
% SOLIDS	90.00 % SOLIDS		NV	81.00 % SOLIDS		NV	90.00 % SOLIDS		NV	90.00 % SOLIDS		NV	90.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	100422	067116	067118	067096	067097
TASK:	03.01.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1679	1708	1708	1708	1708
DEPTH:	0-.5	-	-	7.5-9	9-10.5
DATE COLLECTED:	27-JAN-92	17-JUN-91	17-JUN-91	14-JUN-91	15-JUN-91
NORTH COORDINATE:	483924.53	477710.64	477710.64	477710.64	477710.64
EAST COORDINATE:	1378264.61	1379166.88	1379166.88	1379166.88	1379166.88
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	22.00 %		NV							22.00 %		NV	22.10 %		-
% SOLIDS	77.50 % SOLIDS		NV							78.40 % SOLIDS		NV			
IGNITABILITY							110.00 DEGREES		U						
LIQUID LIMIT										0.00 NONE		-	0.00 NONE		NV
PH				8.79 SU		-	7.27 SU		-						
PLASTICITY INDEX										0.00 NONE		NV	0.00 NONE		NV
SPECIFIC GRAVITY										2.26 NONE		NV	2.31 NONE		-
GRAIN SIZE DIAMETER, 0.0050 MM										3.30 % FINER		-	3.30 % FINER		NV
GRAIN SIZE DIAMETER, 0.0069 MM										6.50 % FINER		-	6.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.075 MM										33.70 % FINER		-	33.70 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM										38.60 % FINER		-	38.60 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM										54.60 % FINER		-	54.60 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM										63.50 % FINER		-	63.50 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM										73.00 % FINER		-	73.00 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM										100.00 % FINER		-	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM										82.00 % FINER		-	74.70 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM										100.00 % FINER		-	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM										89.60 % FINER		-	53.40 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM										100.00 % FINER		-	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM										95.00 % FINER		-	92.30 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067098	067119	067102	067112	067064
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1708	1708	1708	1708	1709
DEPTH:	10.5-12	9-12	16.5-18	31.5-33	7.5-9
DATE COLLECTED:	15-JUN-91	17-JUN-91	16-JUN-91	16-JUN-91	06-JUN-91
NORTH COORDINATE:	477710.64	477710.64	477710.64	477710.64	477814.23
EAST COORDINATE:	1379166.88	1379166.88	1379166.88	1379166.88	1378969.43
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	22.10 %		NV	30.30 %		NV	23.00 %		NV	19.00 %		NV	24.00 %		NV
% SOLIDS							71.70 % SOLIDS		NV	80.60 % SOLIDS		NV	76.10 % SOLIDS		NV
LIQUID LIMIT	0.00 NONE		NV	0.00 NONE		-									
PLASTICITY INDEX	0.00 NONE		NV	0.00 NONE		-									
SPECIFIC GRAVITY	2.31 NONE		NV	2.23 NONE		-									
GRAIN SIZE DIAMETER, 0.00142MM	0 % FINER		NV												
GRAIN SIZE DIAMETER, 0.0050 MM				4.30 % FINER		NV									
GRAIN SIZE DIAMETER, 0.0069 MM				7.50 % FINER		NV									
GRAIN SIZE DIAMETER, 0.075 MM	7.80 % FINER		NV	36.20 % FINER		NV									
GRAIN SIZE DIAMETER, 0.106 MM	.80 % FINER		NV	40.50 % FINER		NV									
GRAIN SIZE DIAMETER, 0.25 MM	4.60 % FINER		NV	53.80 % FINER		NV									
GRAIN SIZE DIAMETER, 0.425 MM	.40 % FINER		NV	62.60 % FINER		NV									
GRAIN SIZE DIAMETER, 0.85 MM	3.70 % FINER		NV	72.90 % FINER		NV									
GRAIN SIZE DIAMETER, 19 MM	100.00 % FINER		NV	100.00 % FINER		NV									
GRAIN SIZE DIAMETER, 2 MM	74.70 % FINER		NV	84.80 % FINER		NV									
GRAIN SIZE DIAMETER, 37.5 MM	00.00 % FINER		NV	100.00 % FINER		NV									
GRAIN SIZE DIAMETER, 4.75 MM	4.50 % FINER		NV	94.20 % FINER		NV									
GRAIN SIZE DIAMETER, 75 MM	100.00 % FINER		NV	100.00 % FINER		NV									
GRAIN SIZE DIAMETER, 9.5 MM	92.30 % FINER		NV	98.30 % FINER		NV									

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067071			067050			067029			067032			067047		
TASK:	20.03.01			20.03.01			20.03.01			20.03.01			20.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1709			1710			1710			1710			1710		
DEPTH:	13.5-15			-			4.5-5			9-10.5			28.5-30		
DATE COLLECTED:	06-JUN-91			01-JUN-91			31-MAY-91			31-MAY-91			01-JUN-91		
NORTH COORDINATE:	477814.23			477931.49			477931.49			477931.49			477931.49		
EAST COORDINATE:	1378969.43			1378993.33			1378993.33			1378993.33			1378993.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	R-NA			NONE-NA			R-NA			R-NA			DL-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															
% MOISTURE	22.00 %		NV				28.00 %		NV	25.00 %		NV	11.00 %		NV
% SOLIDS	81.40 % SOLIDS		NV				71.10 % SOLIDS		NV	74.30 % SOLIDS		NV	88.60 % SOLIDS		NV
PH				8.58 SU		-									

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067012	067015	067020	061320	061325
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1711	1711	1711	1712	1713
DEPTH:	4.5-6	9-10.5	18-19.5	1.5-2	1.5-2
DATE COLLECTED:	29-MAY-91	29-MAY-91	29-MAY-91	04-MAY-91	04-MAY-91
NORTH COORDINATE:	478126.52	478126.52	478126.52	477418.76	477342.63
EAST COORDINATE:	1378968.88	1378968.88	1378968.88	1379588.15	1379411.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	23.00 %		NV	30.00 %		NV	28.00 %		NV						
% SOLIDS	76.20 % SOLIDS		NV	70.00 % SOLIDS		NV	71.60 % SOLIDS		NV						
IGNITABILITY										110.00 DEGREES		U	110.00 DEGREES		U
PH										8.08 SU		-	8.02 SU		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061330	061335	067281	067282	067302
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1714	1715	1718	1718	1719
DEPTH:	1.5-2	1.5-2	-	-	-
DATE COLLECTED:	04-MAY-91	04-MAY-91	01-AUG-91	01-AUG-91	08-AUG-91
NORTH COORDINATE:	477954.45	477901.68	482144.49	482144.49	482215.57
EAST COORDINATE:	1379280.94	1379517.33	1379619.44	1379619.44	1379699.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
IGNITABILITY	110.00 DEGREES		U	110.00 DEGREES		U							110.00 DEGREES		U
PH	8.19 SU		-	8.47 SU		-	7.80 SU		NV	7.74 SU		NV	7.50 SU		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067287	067295	067300	067317	067307
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1719	1719	1719	1720	1720
DEPTH:	3-4.5	15-16.5	18-19.5	-	3-4.5
DATE COLLECTED:	07-AUG-91	08-AUG-91	08-AUG-91	10-AUG-91	10-AUG-91
NORTH COORDINATE:	482215.57	482215.57	482215.57	482215.72	482215.72
EAST COORDINATE:	1379699.18	1379699.18	1379699.18	1379783.27	1379783.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	7.00 % MOISTURE		NV	21.00 %		NV	10.00 %		NV				17.00 %		NV
% SOLIDS	93.20 % SOLIDS		NV	79.60 % SOLIDS		NV	89.90 % SOLIDS		NV				84.00 % SOLIDS		NV
PH										7.85 SU		-			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067311			067312			067244			067246			067234		
TASK:	20.03.01			20.03.01			20.03.01			20.03.01			20.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1720			1720			1721			1721			1721		
DEPTH:	7.5-9			9-10.5			-			-			9-10.5		
DATE COLLECTED:	10-AUG-91			10-AUG-91			28-JUL-91			28-JUL-91			26-JUL-91		
NORTH COORDINATE:	482215.72			482215.72			482136.4			482136.4			482136.4		
EAST COORDINATE:	1379783.27			1379783.27			1379785.34			1379785.34			1379785.34		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	17.00 %		NV	13.00 %		NV									
% SOLIDS	82.30 % SOLIDS		NV	85.90 % SOLIDS		NV							77.50 % SOLIDS		NV
IGNITABILITY							110.00 DEGREES		U						
PH							7.91 SU		-	8.19 SU		-			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067237	067262	067263	067250	067259
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1721	1722	1722	1722	1722
DEPTH:	13.5-15	-	-	1.5-3	14-16.5
DATE COLLECTED:	27-JUL-91	30-JUL-91	30-JUL-91	29-JUL-91	30-JUL-91
NORTH COORDINATE:	482136.4	482114.81	482114.81	482114.81	482114.81
EAST COORDINATE:	1379785.34	1379739.45	1379739.45	1379739.45	1379739.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	22.00 %		NV							9.00 % MOISTURE		NV	21.00 %		NV
% SOLIDS	77.50 % SOLIDS		NV							90.20 % SOLIDS		NV	78.10 % SOLIDS		NV
IGNITABILITY							78.00 DEGREES C		-						
PH				7.29 SU		-	8.80 SU		-						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067185			067187			067167			067173			067184		
TASK:	20.03.01			20.03.01			20.03.01			20.03.01			20.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1723			1723			1723			1723			1723		
DEPTH:	-			-			4.5-6			13.5-15			29-30.5		
DATE COLLECTED:	12-JUL-91			12-JUL-91			11-JUL-91			11-JUL-91			12-JUL-91		
NORTH COORDINATE:	477243.17			477243.17			477243.17			477243.17			477243.17		
EAST COORDINATE:	1379955.88			1379955.88			1379955.88			1379955.88			1379955.88		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE							26.00 %		NV	23.00 %		NV	14.00 %		NV
% SOLIDS							73.90 % SOLIDS		NV	76.70 % SOLIDS		NV	85.20 % SOLIDS		NV
IGNITABILITY				110.00 DEGREES		U									
PH	7.85 SU		-	7.21 SU		-									

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FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067222	067223	067193	067199	067220
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1724	1724	1724	1724	1724
DEPTH:	-	-	4.5-6	12-14.5	12-14.5
DATE COLLECTED:	16-JUL-91	16-JUL-91	13-JUL-91	14-JUL-91	14-JUL-91
NORTH COORDINATE:	477239.7	477239.7	477239.7	477239.7	477239.7
EAST COORDINATE:	1379830.96	1379830.96	1379830.96	1379830.96	1379830.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	R-NA	NONE-NA	NONE-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															
% MOISTURE							17.00 %		NV	24.90 %		NV	29.80 %		NV
% SOLIDS							82.10 % SOLIDS		NV						
IGNITABILITY				64.00 DEGREES C		-									
LIQUID LIMIT										0.00 NONE		-	0.00 NONE		-
PH	7.52 SU		-	6.74 SU		-									
PLASTICITY INDEX										0.00 NONE		-	0.00 NONE		-
SPECIFIC GRAVITY										2.25 NONE		-	2.23 NONE		-
GRAIN SIZE DIAMETER, 0.0014 MM										0.00 % FINER		NV			
GRAIN SIZE DIAMETER, 0.0069 MM													9.90 % FINER		NV
GRAIN SIZE DIAMETER, 0.075 MM										28.80 % FINER		NV	41.80 % FINER		NV
GRAIN SIZE DIAMETER, 0.106 MM										32.70 % FINER		NV	46.00 % FINER		NV
GRAIN SIZE DIAMETER, 0.25 MM										45.30 % FINER		NV	58.30 % FINER		NV
GRAIN SIZE DIAMETER, 0.425 MM										53.50 % FINER		NV	65.20 % FINER		NV
GRAIN SIZE DIAMETER, 0.85 MM										64.10 % FINER		NV	73.50 % FINER		NV
GRAIN SIZE DIAMETER, 19 MM										100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 2 MM										77.90 % FINER		NV	84.20 % FINER		NV
GRAIN SIZE DIAMETER, 37.5 MM										100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 4.75 MM										87.90 % FINER		NV	93.30 % FINER		NV
GRAIN SIZE DIAMETER, 75 MM										100.00 % FINER		NV	100.00 % FINER		NV
GRAIN SIZE DIAMETER, 9.5 MM										92.60 % FINER		NV	99.50 % FINER		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067201	067218	067158	067159	067149
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1724	1724	1726	1726	1726
DEPTH:	16-17.5	41.5-43	-	-	9-10.5
DATE COLLECTED:	14-JUL-91	16-JUL-91	01-JUL-91	01-JUL-91	01-JUL-91
NORTH COORDINATE:	477239.7	477239.7	477317.49	477317.49	477317.49
EAST COORDINATE:	1379830.96	1379830.96	1380039.59	1380039.59	1380039.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	26.00 %		NV	16.00 %		NV							32.00 %		NV
% SOLIDS	73.70 % SOLIDS		NV	83.20 % SOLIDS		NV							67.60 % SOLIDS		NV
IGNITABILITY							110.00 DEGREES		U						
PH							7.12 SU		-	7.76 SU		J			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067155	101409	100865	101385	100841
TASK:	20.03.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1726	1729	1730	1732	1734
DEPTH:	18-19.5	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:	01-JUL-91	13-JAN-92	09-JAN-92	08-JAN-92	08-JAN-92
NORTH COORDINATE:	477317.49	483300	483300	483300	483300
EAST COORDINATE:	1380039.59	1378500	1379000	1379500	1380000
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	19.00 %		NV	24.00 %		NV	22.00 %		NV	19.00 %		NV	21.00 %		NV
% SOLIDS	81.10 % SOLIDS		NV	76.00 % SOLIDS		NV	77.30 % SOLIDS		NV	80.90 % SOLIDS		NV	78.90 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	101372	100820	101358	100782	101334
TASK:	03.01.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1735	1736	1737	1738	1739
DEPTH:	0-.5	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:	07-JAN-92	05-JAN-92	06-JAN-92	02-JAN-92	02-JAN-92
NORTH COORDINATE:	483300	483334	483306	483539	482400
EAST COORDINATE:	1380500	1381000	1381957	1382635	1383000
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	DL-NA	NONE-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															
% MOISTURE	26.00 %		NV	19.00 %		NV	24.00 %		NV	19.00 %		NV	19.00 %		NV
% SOLIDS	73.60 % SOLIDS		NV	80.50 % SOLIDS		NV	75.60 % SOLIDS		NV	80.50 % SOLIDS		NV	80.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	100753	101310	100715	100701	101251
TASK:	03.01.01	03.01.01	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1740	1741	1742	1744	1745
DEPTH:	0-.5	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:	21-DEC-91	20-DEC-91	18-DEC-91	17-DEC-91	16-DEC-91
NORTH COORDINATE:	481800	480700	480213	478500	478500
EAST COORDINATE:	1383000	1383000	1383000	1383000	1382000
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	18.00 %		NV	20.00 %		NV	21.00 %		NV	18.00 %		NV
% SOLIDS	82.10 % SOLIDS		NV	79.90 % SOLIDS		NV	79.60 % SOLIDS		NV	78.20 % SOLIDS		NV	81.70 % SOLIDS		NV
PH													5.79 SU		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	100687	101244	100651	057451	057452
TASK:	03.01.01	03.01.01	03.01.01	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1746	1747	1748	1778	1778
DEPTH:	0-.5	0-.5	0-.5	4-4.5	4.5-5
DATE COLLECTED:	16-DEC-91	12-DEC-91	09-DEC-91	05-FEB-91	05-FEB-91
NORTH COORDINATE:	478000	477600	477300	480305.19	480305.19
EAST COORDINATE:	1382500	1382500	1382500	1381672.31	1381672.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE	18.00 %		NV	18.00 %		NV	20.00 %		NV	9.00 % MOISTURE		NV	9.00 % MOISTURE		NV
% SOLIDS	81.50 % SOLIDS		NV	81.40 % SOLIDS		NV	79.50 % SOLIDS		NV	90.00 % SOLIDS		NV	90.00 % SOLIDS		NV
PH	4.99 SU		-	5.63 SU		-									

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	099684	099685	099686	067123	067125
TASK:	40.03.02	40.03.02	40.03.02	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1790	1790	1790	1791	1791
DEPTH:	-5	-5	-5	-	-
DATE COLLECTED:	17-JUN-91	17-JUN-91	17-JUN-91	25-JUN-91	25-JUN-91
NORTH COORDINATE:	480513.75	480513.75	480513.75	477812.99	477812.99
EAST COORDINATE:	1378532.49	1378532.49	1378532.49	1378970.18	1378970.18
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	11.00 %		NV									
% SOLIDS							88.10 % SOLIDS		NV						
IGNITABILITY													110.00 DEGREES		U
PH										7.38 SU		-	7.39 SU		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067122	067342	067343	067346	067350
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1791	1792	1792	1792	1792
DEPTH:	28.5-30	0-1.5	1.5-3	6-7.5	12-13.5
DATE COLLECTED:	25-JUN-91	21-AUG-91	21-AUG-91	21-AUG-91	21-AUG-91
NORTH COORDINATE:	477812.99	477280.15	477280.15	477280.15	477280.15
EAST COORDINATE:	1378970.18	1379372.54	1379372.54	1379372.54	1379372.54
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	R-NA	R-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															
% MOISTURE	18.00 %		NV	0.00 % MOISTURE		NV	11.00 %		NV	7.00 % MOISTURE		NV	15.00 %		NV
% SOLIDS	82.00 % SOLIDS		NV				89.20 % SOLIDS		NV	92.90 % SOLIDS		NV	85.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067353	067356	067333	067324	067328
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	20.03.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1792	1792	1793	1794	1794
DEPTH:	16.5-18	21.5-23	3-4.5	0-1	2-2.5
DATE COLLECTED:	22-AUG-91	22-AUG-91	15-AUG-91	13-AUG-91	13-AUG-91
NORTH COORDINATE:	477280.15	477280.15	477464.98	477954.24	477954.24
EAST COORDINATE:	1379372.54	1379372.54	1379446.76	1379281.59	1379281.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	18.00 %		NV	12.00 %		NV	19.00 %		NV	12.00 %		NV
% SOLIDS	84.80 % SOLIDS		NV	81.40 % SOLIDS		NV	88.10 % SOLIDS		NV	81.20 % SOLIDS		NV	91.40 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067367	067370	039001	039009	039010
TASK:	20.03.01	20.03.01	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1795	1795	1796	1796	1796
DEPTH:	0-1	3-4	0-.5	5-7	9-11
DATE COLLECTED:	23-AUG-91	23-AUG-91	21-SEP-91	22-SEP-91	22-SEP-91
NORTH COORDINATE:	477941.43	477941.43	480294.65	480294.65	480294.65
EAST COORDINATE:	1379648.49	1379648.49	1380415.59	1380415.59	1380415.59
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	R-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	13.00 %		NV	12.00 %		NV	10.00 %		NV	17.30 %		-	18.10 %		-
% SOLIDS	86.70 % SOLIDS		NV	87.20 % SOLIDS		NV	89.50 % SOLIDS		NV						
COMPRESSIVE STRENGTH										72.90 PSI		-	63.80 PSI		-
LIQUID LIMIT										38.00 NONE		-	31.00 NONE		-
MAJOR PRINCIPAL STRESS										152.80 PSI		-	143.80 PSI		-
MINOR PRINCIPAL STRESS										80.00 PSI		-	80.00 PSI		-
ORGANIC CONTENT										2.20 %		-	2.30 %		-
PLASTICITY INDEX										20.00 NONE		-	13.00 NONE		-
STRAIN AT FAILURE										9.40 PSI		-			
GRAIN SIZE DIAMETER, 0.0012 MM										27.10 % FINER		-	18.20 % FINER		-
GRAIN SIZE DIAMETER, 0.0027 MM										34.60 % FINER		-			
GRAIN SIZE DIAMETER, 0.0028 MM													24.30 % FINER		-
GRAIN SIZE DIAMETER, 0.0037 MM										38.40 % FINER		-	27.10 % FINER		-
GRAIN SIZE DIAMETER, 0.0050 MM										42.90 % FINER		-	31.50 % FINER		-
GRAIN SIZE DIAMETER, 0.0067MM										47.40 % FINER		-	34.80 % FINER		-
GRAIN SIZE DIAMETER, 0.0090 MM										53.10 % FINER		-	39.30 % FINER		-
GRAIN SIZE DIAMETER, 0.075 MM										84.10 % FINER		-	67.10 % FINER		-
GRAIN SIZE DIAMETER, 0.106 MM										85.10 % FINER		-	67.40 % FINER		-
GRAIN SIZE DIAMETER, 0.25 MM										87.90 % FINER		-	67.90 % FINER		-
GRAIN SIZE DIAMETER, 0.425 MM										90.10 % FINER		-	68.20 % FINER		-
GRAIN SIZE DIAMETER, 0.85 MM										92.00 % FINER		-	68.60 % FINER		-
GRAIN SIZE DIAMETER, 19 MM										98.40 % FINER		-	84.70 % FINER		-
GRAIN SIZE DIAMETER, 2 MM										94.70 % FINER		-	68.90 % FINER		-
GRAIN SIZE DIAMETER, 37.5 MM										100.00 % FINER		-	84.70 % FINER		-
GRAIN SIZE DIAMETER, 4.75 MM										96.40 % FINER		-	69.00 % FINER		-

SAMPLE NUMBER:	067367			067370			039001			039009			039010		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
GRAIN SIZE DIAMETER, 75 MM										100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 9.5 MM										97.30 % FINER		-	69.20 % FINER		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	039011	039083	039088	039089	039090
TASK:	04.08	04.08	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1796	1797	1797	1797	1797
DEPTH:	13-15	0-.5	5-8	9-12	13-16
DATE COLLECTED:	22-SEP-91	22-OCT-91	23-OCT-91	23-OCT-91	23-OCT-91
NORTH COORDINATE:	480294.65	480209.16	480209.16	480209.16	480209.16
EAST COORDINATE:	1380415.59	1380460.71	1380460.71	1380460.71	1380460.71
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.80 %		-	8.00 % MOISTURE		NV	18.50 %		-	22.60 %		-	21.80 %		-
% SOLIDS				82.80 % SOLIDS		NV									
COMPRESSIVE STRENGTH	10.70 PSI		-												
LIQUID LIMIT	15.00 NONE		-				28.00 NONE		-	20.00 NONE		-			
MAJOR PRINCIPAL STRESS	90.70 PSI		-												
MINOR PRINCIPAL STRESS	80.00 PSI		-												
ORGANIC CONTENT	1.70 %		-												
PLASTICITY INDEX							16.00 NONE		-	10.00 NONE		-			
SPECIFIC GRAVITY							2.77 NONE		-	2.75 NONE		-	2.76 NONE		-
GRAIN SIZE DIAMETER, 0.0013 MM							20.40 % FINER		-	16.60 % FINER		-			
GRAIN SIZE DIAMETER, 0.00148MM	80 % FINER		-										8.10 % FINER		-
GRAIN SIZE DIAMETER, 0.0028 MM							24.90 % FINER		-						
GRAIN SIZE DIAMETER, 0.0030 MM										21.80 % FINER		-			
GRAIN SIZE DIAMETER, 0.0032 MM													9.30 % FINER		-
GRAIN SIZE DIAMETER, 0.00331MM	40 % FINER		-												
GRAIN SIZE DIAMETER, 0.0042 MM							30.60 % FINER		-						
GRAIN SIZE DIAMETER, 0.0043 MM										26.90 % FINER		-			
GRAIN SIZE DIAMETER, 0.00461MM	20 % FINER		-										11.60 % FINER		-
GRAIN SIZE DIAMETER, 0.0058 MM							34.00 % FINER		-						
GRAIN SIZE DIAMETER, 0.0060 MM										30.70 % FINER		-			
GRAIN SIZE DIAMETER, 0.0064 MM													14.00 % FINER		-
GRAIN SIZE DIAMETER, 0.00651MM	80 % FINER		-												
GRAIN SIZE DIAMETER, 0.0078 MM							38.50 % FINER		-						
GRAIN SIZE DIAMETER, 0.0083 MM										35.80 % FINER		-			
GRAIN SIZE DIAMETER, 0.00901MM	40 % FINER		-										16.30 % FINER		-

SAMPLE NUMBER:	039011			039083			039088			039089			039090		
LAB:	IT												IT		
SUFFIX/FILTERFLAG:	NONE-NA			-			-			-			NONE-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															
GRAIN SIZE DIAMETER, 0.0110 MM							44.20 % FINER		-						
GRAIN SIZE DIAMETER, 0.0113 MM										43.50 % FINER		-			
GRAIN SIZE DIAMETER, 0.0125 MM													19.80 % FINER		-
GRAIN SIZE DIAMETER, 0.01261[illegible]40 % FINER			-												
GRAIN SIZE DIAMETER, 0.0182 MM							52.10 % FINER		-						
GRAIN SIZE DIAMETER, 0.0187 MM										53.70 % FINER		-			
GRAIN SIZE DIAMETER, 0.02082[illegible]90 % FINER			-												
GRAIN SIZE DIAMETER, 0.0213 MM													23.30 % FINER		-
GRAIN SIZE DIAMETER, 0.0260 MM										56.30 % FINER		-			
GRAIN SIZE DIAMETER, 0.0275 MM							58.90 % FINER		-						
GRAIN SIZE DIAMETER, 0.0313[illegible].30 % FINER			-												
GRAIN SIZE DIAMETER, 0.0330 MM													27.90 % FINER		-
GRAIN SIZE DIAMETER, 0.0370 MM							65.70 % FINER		-						
GRAIN SIZE DIAMETER, 0.0389 MM										66.50 % FINER		-			
GRAIN SIZE DIAMETER, 0.0414[illegible].50 % FINER			-												
GRAIN SIZE DIAMETER, 0.0461 MM													30.20 % FINER		-
GRAIN SIZE DIAMETER, 0.0502 MM							70.20 % FINER		-						
GRAIN SIZE DIAMETER, 0.0523 MM										74.20 % FINER		-			
GRAIN SIZE DIAMETER, 0.0545[illegible].70 % FINER			-												
GRAIN SIZE DIAMETER, 0.0629 MM													37.20 % FINER		-
GRAIN SIZE DIAMETER, 0.075 [illegible].40 % FINER			-				70.90 % FINER		-	78.70 % FINER		-	46.70 % FINER		-
GRAIN SIZE DIAMETER, 0.106 [illegible].00 % FINER			-				73.90 % FINER		-	86.10 % FINER		-	56.50 % FINER		-
GRAIN SIZE DIAMETER, 0.25 M[illegible]7.70 % FINER			-				81.20 % FINER		-	97.60 % FINER		-	97.70 % FINER		-
GRAIN SIZE DIAMETER, 0.425 [illegible].70 % FINER			-				85.00 % FINER		-	98.80 % FINER		-	99.50 % FINER		-
GRAIN SIZE DIAMETER, 0.85 M[illegible]9.80 % FINER			-				89.40 % FINER		-	99.50 % FINER		-	99.80 % FINER		-
GRAIN SIZE DIAMETER, 19 MM 100.00 % FINER			-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 2 MM 99.90 % FINER			-				94.50 % FINER		-	99.80 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 37.5 M[illegible]00.00 % FINER			-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 4.75 M[illegible]9.90 % FINER			-				97.80 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 75 MM 100.00 % FINER			-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 9.5 MM100.00 % FINER			-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	039091	039060	039069	039070	039071
TASK:	04.08	04.08	04.08	04.08	04.08
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1797	1802	1802	1802	1802
DEPTH:	17-20	0-.5	5-8	9-12	13-16
DATE COLLECTED:	23-OCT-91	15-OCT-91	16-OCT-91	16-OCT-91	16-OCT-91
NORTH COORDINATE:	480209.16	480194.47	480194.47	480194.47	480194.47
EAST COORDINATE:	1380460.71	1380368.08	1380368.08	1380368.08	1380368.08
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	29.70 %		-	12.00 %		NV	14.10 %		NV	20.40 %		NV	16.20 %		NV
% SOLIDS				87.30 % SOLIDS		NV									
COMPRESSIVE STRENGTH							13.70 PSI		-				33.40 PSI		-
LIQUID LIMIT	24.00 NONE		-				24.00 NONE		-	20.00 NONE		-	26.00 NONE		-
MAJOR PRINCIPAL STRESS							93.70 PSI		-				113.40 PSI		-
MINOR PRINCIPAL STRESS							80.00 PSI		-				80.00 PSI		-
ORGANIC CONTENT							1.20 %		-	1.80 %		-	1.60 %		-
PLASTICITY INDEX	3.00 NONE		-				9.00 NONE		-	6.00 NONE		-	10.00 NONE		-
SPECIFIC GRAVITY	2.62 NONE		-												
STRAIN AT FAILURE							5.40 PSI		-						
GRAIN SIZE DIAMETER, 0.0012 MM							20.50 % FINER		-	24.50 % FINER		-	22.70 % FINER		-
GRAIN SIZE DIAMETER, 0.00141MM	10 % FINER		-												
GRAIN SIZE DIAMETER, 0.0028 MM										33.20 % FINER		-	32.10 % FINER		-
GRAIN SIZE DIAMETER, 0.0029 MM							30.40 % FINER		-						
GRAIN SIZE DIAMETER, 0.00332MM	10 % FINER		-												
GRAIN SIZE DIAMETER, 0.0038 MM										38.70 % FINER		-	36.80 % FINER		-
GRAIN SIZE DIAMETER, 0.0039 MM							34.20 % FINER		-						
GRAIN SIZE DIAMETER, 0.00462MM	90 % FINER		-												
GRAIN SIZE DIAMETER, 0.0051 MM										43.50 % FINER		-	42.30 % FINER		-
GRAIN SIZE DIAMETER, 0.0052 MM							39.50 % FINER		-						
GRAIN SIZE DIAMETER, 0.00642MM	60 % FINER		-												
GRAIN SIZE DIAMETER, 0.0068 MM										49.00 % FINER		-	48.60 % FINER		-
GRAIN SIZE DIAMETER, 0.0069 MM							45.60 % FINER		-						
GRAIN SIZE DIAMETER, 0.00883MM	70 % FINER		-												
GRAIN SIZE DIAMETER, 0.0090 MM										54.60 % FINER		-	54.10 % FINER		-

SAMPLE NUMBER:	039091			039060			039069			039070			039071		
LAB:										IT			IT		
SUFFIX/FILTERFLAG:	-			-			-			NONE-NA			NONE-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															
GRAIN SIZE DIAMETER, 0.0091 MM							50.90 % FINER		-						
GRAIN SIZE DIAMETER, 0.012130MM	90 % FINER		-												
GRAIN SIZE DIAMETER, 0.01975MM	50 % FINER		-												
GRAIN SIZE DIAMETER, 0.03015MM	80 % FINER		-												
GRAIN SIZE DIAMETER, 0.04196MM	30 % FINER		-												
GRAIN SIZE DIAMETER, 0.075 MM	1.10 % FINER		-				89.90 % FINER		-	97.30 % FINER		-	96.20 % FINER		-
GRAIN SIZE DIAMETER, 0.106 MM	1.60 % FINER		-				91.10 % FINER		-	97.80 % FINER		-	97.30 % FINER		-
GRAIN SIZE DIAMETER, 0.25 MM	2.60 % FINER		-				93.90 % FINER		-	98.50 % FINER		-	98.40 % FINER		-
GRAIN SIZE DIAMETER, 0.425 MM	4.80 % FINER		-				95.50 % FINER		-	98.90 % FINER		-	98.80 % FINER		-
GRAIN SIZE DIAMETER, 0.85 MM	6.80 % FINER		-				96.90 % FINER		-	99.50 % FINER		-	99.20 % FINER		-
GRAIN SIZE DIAMETER, 19 MM	100.00 % FINER		-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 2 MM	98.50 % FINER		-				98.60 % FINER		-	99.90 % FINER		-	99.60 % FINER		-
GRAIN SIZE DIAMETER, 37.5 MM	100.00 % FINER		-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 4.75 MM	99.70 % FINER		-				99.50 % FINER		-	100.00 % FINER		-	99.80 % FINER		-
GRAIN SIZE DIAMETER, 75 MM	100.00 % FINER		-				100.00 % FINER		-	100.00 % FINER		-	100.00 % FINER		-
GRAIN SIZE DIAMETER, 9.5 MM	100.00 % FINER		-				99.50 % FINER		-	100.00 % FINER		-	100.00 % FINER		-

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067394			067396			067397			067402			067401		
TASK:	20.03.01			20.03.01			20.03.01			20.03.01			20.03.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1808			1808			1808			1808			1808		
DEPTH:	3-4.5			7.5-9			9-10.5			0-12.7			15-16.5		
DATE COLLECTED:	27-AUG-91			27-AUG-91			27-AUG-91			27-AUG-91			27-AUG-91		
NORTH COORDINATE:	482142.91			482142.91			482142.91			482142.91			482142.91		
EAST COORDINATE:	1379622.56			1379622.56			1379622.56			1379622.56			1379622.56		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	R-NA			R-NA			NONE-NA			NONE-NA			R-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															
% MOISTURE	9.00 % MOISTURE		NV	19.00 %		NV							12.00 %		NV
PH							7.28 SU		-	7.22 SU		-			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067503	067505	067507	067506	098397
TASK:	20.03.01	20.03.01	20.03.01	20.03.01	50.03.07
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1820	1820	1820	1820	1836
DEPTH:	1.5-3	6-7.5	0-9.5	9.5-12	-
DATE COLLECTED:	16-OCT-91	16-OCT-91	16-OCT-91	16-OCT-91	09-JUL-92
NORTH COORDINATE:	477414.33	477414.33	477414.33	477414.33	481090.87
EAST COORDINATE:	1379888.2	1379888.2	1379888.2	1379888.2	1378734.69
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	DL-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	22.00 %		NV	21.00 %		NV				19.00 %		NV			
% SOLIDS	77.90 % SOLIDS		NV	78.60 % SOLIDS		NV				80.80 % SOLIDS		NV			
IGNITABILITY							110.00 DEGREES		U						
PH							6.89 SU		-				8.31 SU		J

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	098372			098356			098358			098440			098406		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1836			1837			1837			1838			1838		
DEPTH:	3-4			3-4			6-7			-			2.5-3.5		
DATE COLLECTED:	06-JUL-92			01-JUL-92			01-JUL-92			13-JUL-92			08-JUL-92		
NORTH COORDINATE:	481090.87			480839.19			480839.19			481173			481173		
EAST COORDINATE:	1378734.69			1378727.1			1378727.1			1378540.7			1378540.7		
QA TYPE:	NORMAL			NORMAL			NORMAL			DRILL CUTTINGS			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	13.00 %		NV	11.00 %		NV	11.00 %		NV				12.00 %		NV
PH										8.21 SU		-			

000621

6416

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	098411			098318			098323			098462			098458		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			IT			IT-KNOX			IT		
WELL OR BORING NUMBER:	1838			1839			1839			1840			1840		
DEPTH:	5-6			2-3			5-6			-			10.5-11.5		
DATE COLLECTED:	09-JUL-92			24-JUN-92			24-JUN-92			09-AUG-92			08-AUG-92		
NORTH COORDINATE:	481173			480433.9			480433.9			479964.9			479964.9		
EAST COORDINATE:	1378540.7			1379149.98			1379149.98			1380658.84			1380658.84		
QA TYPE:	NORMAL			NORMAL			NORMAL			DRILL CUTTINGS			NORMAL		
QC OF:										098463					
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	14.00 %		NV	14.00 %		NV	15.00 %		NV				19.00 %		NV
PH										7.86 SU		-			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	098461			098301			098305			098284			098508		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			IT			IT			IT-KNOX		
WELL OR BORING NUMBER:	1840			1841			1841			1842			1842		
DEPTH:	13.5-14.5			9.5-10.5			11.5-12.5			8-9			10.5-11.5		
DATE COLLECTED:	08-AUG-92			17-JUN-92			19-JUN-92			16-JUN-92			09-DEC-92		
NORTH COORDINATE:	479964.9			479953.19			479953.19			479927.25			479927.25		
EAST COORDINATE:	1380658.84			1381086.76			1381086.76			1381972.92			1381972.92		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	13.00 %		NV	15.00 %		NV	15.00 %		NV	14.00 %		NV	12.00 UG/KG		NV

000623

6416

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	098248			098252			067706			067711			067604		
TASK:	50.03.07			50.03.07			20.03.02			20.03.02			20.03.02		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1843			1843			1846			1846			1849		
DEPTH:	8.5-9.5			10.5-11.5			6-7.5			13.5-15			6-7.5		
DATE COLLECTED:	10-JUN-92			10-JUN-92			22-FEB-92			22-FEB-92			22-FEB-92		
NORTH COORDINATE:	479905.6			479905.6			477221.45			477221.45			477806.91		
EAST COORDINATE:	1382522.39			1382522.39			1379953.49			1379953.49			1378975.19		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			DL-NA			R-NA			NONE-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															
% MOISTURE	18.00 %		NV	11.00 %		NV	21.00 %		NV	21.00 %		NV	28.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067609			067627			067632			067636			067714		
TASK:	20.03.02			20.03.02			20.03.02			20.03.02			20.03.02		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1849			1850			1850			1850			1888		
DEPTH:	13.5-15			6-7.5			13.5-15			0-15			0-1.5		
DATE COLLECTED:	22-FEB-92			23-FEB-92			23-FEB-92			23-FEB-92			23-FEB-92		
NORTH COORDINATE:	477806.91			478126.2			478126.2			478126.2			482124.84		
EAST COORDINATE:	1378975.19			1378962.62			1378962.62			1378962.62			1379761.91		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	19.00 %		NV	17.00 %		NV	17.00 %		NV				12.00 %		NV
IGNITABILITY										110.00 DEGREES		-			
PH										6.75 SU		-			

000625

6416

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	067717			067740			112559			112563			112536		
TASK:	20.03.02			20.03.02			20.03.05			20.03.05			20.03.05		
LAB:	IT			IT			ITAS			ITAS			ITAS		
WELL OR BORING NUMBER:	1888			1889			1969			1969			1971		
DEPTH:	5-6			15.5-17.5			4.5-6			9-10.5			4.5-6.5		
DATE COLLECTED:	23-FEB-92			25-FEB-92			15-APR-93			15-APR-93			15-APR-93		
NORTH COORDINATE:	482124.84			482121.36			477633.01			477633.01			477709.01		
EAST COORDINATE:	1379761.91			1379765.86			1379700.05			1379700.05			1379566.04		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	17.00 %		NV	10.00 %		NV	19.88 %		NV	20.37 %		NV	20.47 %		NV
% SOLIDS				89.40 % SOLIDS		NV									

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	112593	056914	056917	112584	112588
TASK:	20.03.05	3.7	3.7	20.03.05	20.03.05
LAB:	ITAS	IT	IT	ITAS	ITAS
WELL OR BORING NUMBER:	1971	1974	1974	1978	1978
DEPTH:	9.5-11	.5-1	2-2.5	9.5-11	13.5-15
DATE COLLECTED:	15-APR-93	24-OCT-90	25-OCT-90	16-APR-93	16-APR-93
NORTH COORDINATE:	477709.01	481667.79	481667.79	477395.02	477395.02
EAST COORDINATE:	1379566.04	1381163.33	1381163.33	1379639.05	1379639.05
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.08 %		NV	13.00 %		NV	18.00 %		NV	25.00 %		NV	11.18 %		NV
% SOLIDS				79.70 % SOLIDS		NV	81.80 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	111484	111486	111487	111480	111482
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	ITAS	ITAS	ITAS	ITAS	ITAS
WELL OR BORING NUMBER:	1982	1982	1982	1983	1983
DEPTH:	0-2.5	0-2.5	7.5-10	17.5-20	17.5-20
DATE COLLECTED:	06-MAY-93	06-MAY-93	06-MAY-93	05-MAY-93	05-MAY-93
NORTH COORDINATE:	482223.3	482223.3	482223.3	482173.32	482173.32
EAST COORDINATE:	1379595.2	1379595.2	1379595.2	1379593.72	1379593.72
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.20 %		NV	18.15 %		NV	11.81 %		NV	9.11 % MOISTURE		NV	9.45 % MOISTURE		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	116252	116257	010170	055411	055453
TASK:	20.03.05	20.03.05	3.2	3.7	3.7
LAB:	ITAS	ITAS	IT	IT	IT
WELL OR BORING NUMBER:	1997	1997	2094	21191	21192
DEPTH:	34-35.5	38-39	16-16	-	-
DATE COLLECTED:	07-MAY-93	07-MAY-93	17-JUN-88	19-MAY-90	20-MAY-90
NORTH COORDINATE:	477871.13	477871.13	470832.49	477071.1	477022.52
EAST COORDINATE:	1378960.5	1378960.5	1380701.68	1379636.54	1379642.08
QA TYPE:	NORMAL	NORMAL	NORMAL	DRILL CUTTINGS	DRILL CUTTINGS
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.04 %		NV	9.62 % MOISTURE		NV	3.86 % MOISTURE		NV						
COMBUSTION (BTU)										110.00 DEGREES		U			
PH										8.78 SU		-	8.41 SU		J

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	055494	104450	100371	100577	100318
TASK:	3.7	50.03.12	03.01.01	03.01.01	03.01.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	21193	2166	2728	2731	2733
DEPTH:	-	-	0-.5	0-.5	0-.5
DATE COLLECTED:	22-MAY-90	19-OCT-92	19-MAR-92	09-JAN-92	24-JAN-92
NORTH COORDINATE:	476976.12	476523.77	483301.63	484155	477070.67
EAST COORDINATE:	1379619.39	1381106.59	1377960.59	1382895	1383161.03
QA TYPE:	DRILL CUTTINGS	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	NONE-NA	DL-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															
% MOISTURE				36.00 %		NV	23.00 %		NV	21.00 %		NV	19.00 %		NV
% SOLIDS							77.10 % SOLIDS		NV	78.30 % SOLIDS		NV	83.80 % SOLIDS		NV
PH	8.45 SU		-												

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	070261	033427	038131	103604	103606
TASK:	04.22	3.2	50.03.08	04.20	04.20
LAB:	IT	IT	IT	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	3019	3397	3402	ASI-17	ASI-17
DEPTH:	-	133.-135.	116.-118.	0-.17	.17-.33
DATE COLLECTED:	06-AUG-92	22-SEP-91	17-MAR-92	28-SEP-92	28-SEP-92
NORTH COORDINATE:	481675.11	478276.43	478196.71	479864.6	479864.6
EAST COORDINATE:	1379097.62	1381003.53	1378786.49	1383043	1383043
QA TYPE:	DRILL CUTTINGS	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE										24.80 %		NV	24.20 %		NV
COMPRESSIVE STRENGTH				75.06 PSI		NV									
MAJOR PRINCIPAL STRESS				165.06 PSI		NV									
MINOR PRINCIPAL STRESS				90.00 PSI		NV									
PERMEABILITY				0.00 CM/S		NV									
PH	8.26 SU		-												
STRAIN AT FAILURE				10.35 PSI		NV									
GRAIN SIZE DIAMETER, 0.0013 MM							12.00 % FINER		-						
GRAIN SIZE DIAMETER, 0.0032 MM							21.00 % FINER		-						
GRAIN SIZE DIAMETER, 0.0083 MM							37.60 % FINER		-						
GRAIN SIZE DIAMETER, 0.075 MM							77.90 % FINER		-						
GRAIN SIZE DIAMETER, 0.106 MM							82.00 % FINER		-						
GRAIN SIZE DIAMETER, 0.25 MM							88.80 % FINER		-						
GRAIN SIZE DIAMETER, 0.425 MM							94.20 % FINER		-						
GRAIN SIZE DIAMETER, 0.85 MM							97.00 % FINER		-						
GRAIN SIZE DIAMETER, 19 MM							100.00 % FINER		-						
GRAIN SIZE DIAMETER, 2 MM							97.60 % FINER		-						
GRAIN SIZE DIAMETER, 37.5 MM							100.00 % FINER		-						
GRAIN SIZE DIAMETER, 4.75 MM							99.20 % FINER		-						
GRAIN SIZE DIAMETER, 75 MM							100.00 % FINER		-						
GRAIN SIZE DIAMETER, 9.5 MM							100.00 % FINER		-						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103608			103610			103612			103614			103620		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-17			ASI-17			ASI-17			ASI-17			ASI-18		
DEPTH:	.33-.5			.5-1			1-1.5			1.5-2			0-.17		
DATE COLLECTED:	28-SEP-92			28-SEP-92			28-SEP-92			28-SEP-92			28-SEP-92		
NORTH COORDINATE:	479864.6			479864.6			479864.6			479864.6			479934.5		
EAST COORDINATE:	1383043			1383043			1383043			1383043			1383074.8		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	20.80 %		NV	18.80 %		NV	15.30 %		NV	17.00 %		NV	23.10 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103622			103624			103626			103628			103630		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-18			ASI-18			ASI-18			ASI-18			ASI-18		
DEPTH:	.17-.33			.33-.5			.5-1			1-1.5			1.5-2		
DATE COLLECTED:	28-SEP-92			28-SEP-92			28-SEP-92			28-SEP-92			28-SEP-92		
NORTH COORDINATE:	479934.5			479934.5			479934.5			479934.5			479934.5		
EAST COORDINATE:	1383074.8			1383074.8			1383074.8			1383074.8			1383074.8		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	22.30 %		NV	21.80 %		NV	19.00 %		NV	16.00 %		NV	20.00 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103517			103518			103520			103522			103524		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-2			ASI-2			ASI-2			ASI-2			ASI-2		
DEPTH:	0-.17			.17-.33			.33-.5			.5-1			1-1.5		
DATE COLLECTED:	21-SEP-92			21-SEP-92			21-SEP-92			21-SEP-92			21-SEP-92		
NORTH COORDINATE:	480287.794			480287.794			480287.794			480287.794			480287.794		
EAST COORDINATE:	1383058.99			1383058.99			1383058.99			1383058.99			1383058.99		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	29.30 %		NV	20.10 %		NV	17.70 %		NV	17.40 %		NV	20.50 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103550			103548			103552			103554			103556		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-3			ASI-4			ASI-4			ASI-4			ASI-4		
DEPTH:	.17-.33			0-.17			.33-.5			.5-1			1-1.5		
DATE COLLECTED:	22-SEP-92			22-SEP-92			22-SEP-92			22-SEP-92			22-SEP-92		
NORTH COORDINATE:	480112.1			480123			480123			480123			480123		
EAST COORDINATE:	1382908.9			1382850.4			1382850.4			1382850.4			1382850.4		
QA TYPE:	EXCAVATED			NORMAL			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	23.70 %		NV	29.80 %		NV	20.90 %		NV	21.10 %		NV	22.60 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103558			103560			103562			103564			103566		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-5			ASI-5			ASI-5			ASI-5			ASI-5		
DEPTH:	0-.17			.17-.33			.33-.5			.5-1			1-1.5		
DATE COLLECTED:	22-SEP-92			22-SEP-92			22-SEP-92			22-SEP-92			22-SEP-92		
NORTH COORDINATE:	480137.6			480137.6			480137.6			480137.6			480137.6		
EAST COORDINATE:	1382772.6			1382772.6			1382772.6			1382772.6			1382772.6		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	46.10 %		NV	33.30 %		NV	27.80 %		NV	22.40 %		NV	21.90 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103569			103571			103573			103575			103579		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-6			ASI-6			ASI-6			ASI-6			ASI-7		
DEPTH:	0-.17			.17-.33			.33-.5			.5-1			0-.17		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480055.2			480055.2			480055.2			480055.2			480018.5		
EAST COORDINATE:	1382898.2			1382898.2			1382898.2			1382898.2			1382904.7		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	29.60 %		NV	22.30 %		NV	18.90 %		NV	17.40 %		NV	32.10 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	103581			103583			103585			103587			104001		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	ASI-7			ASI-7			ASI-7			ASI-7			C-1		
DEPTH:	.17-.33			.33-.5			.5-1			1-1.5			0-.17		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480018.5			480018.5			480018.5			480018.5			480711.945		
EAST COORDINATE:	1382904.7			1382904.7			1382904.7			1382904.7			1383438.53		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	28.60 %		NV	26.90 %		NV	18.90 %		NV	21.00 %		NV	24.30 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104003			104005			104055			104057			104059		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-1			C-1			C-10			C-10			C-10		
DEPTH:	.17-.33			.33-.5			-.17			.17-.33			.33-.5		
DATE COLLECTED:	23-SEP-92			23-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92		
NORTH COORDINATE:	480711.945			480711.945			480488.064			480488.064			480488.064		
EAST COORDINATE:	1383438.53			1383438.53			1383437.88			1383437.88			1383437.88		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	25.50 %		NV	25.10 %		NV	30.70 %		NV	27.40 %		NV	20.60 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104007	104009	104011	104013	104015
TASK:	04.20	04.20	04.20	04.20	04.20
LAB:	DATACHEM	DATACHEM	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	C-2	C-2	C-2	C-3	C-3
DEPTH:	0-.17	.17-.33	.33-.5	0-.17	.17-.33
DATE COLLECTED:	23-SEP-92	23-SEP-92	23-SEP-92	23-SEP-92	23-SEP-92
NORTH COORDINATE:	480662.719	480662.719	480662.719	480612.987	480612.987
EAST COORDINATE:	1383352.33	1383352.33	1383352.33	1383437.86	1383437.86
QA TYPE:	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	28.50 %		NV	25.50 %		NV	23.70 %		NV	25.40 %		NV	24.90 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104017			104019			104021			104023			104025		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-3			C-4			C-4			C-4			C-5		
DEPTH:	.33-.5			0-.17			.17-.33			.33-.5			0-.17		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480612.987			480587.748			480587.748			480587.748			480563.195		
EAST COORDINATE:	1383437.86			1383287.36			1383287.36			1383287.36			1383362.93		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	25.60 %		NV	29.30 %		NV	24.10 %		NV	21.90 %		NV	28.50 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104027			104029			104031			104033			104035		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-5			C-5			C-6			C-6			C-6		
DEPTH:	.17-.33			.33-.5			0-.17			.17-.33			.33-.5		
DATE COLLECTED:	23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480563.195			480563.195			480512.45			480512.45			480512.45		
EAST COORDINATE:	1383362.93			1383362.93			1383312.55			1383312.55			1383312.55		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	24.30 %		NV	22.70 %		NV	22.90 %		NV	22.40 %		NV	20.70 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	075503			104037			104039			104041			104043		
TASK:	04.01			04.20			04.20			04.20			04.20		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-7			C-7			C-7			C-7			C-8		
DEPTH:	0-.5			0-.17			.17-.33			.33-.5			0-.17		
DATE COLLECTED:	10-NOV-91			23-SEP-92			23-SEP-92			23-SEP-92			23-SEP-92		
NORTH COORDINATE:	480512.877			480512.877			480512.877			480512.877			480512.884		
EAST COORDINATE:	1383337.95			1383337.95			1383337.95			1383337.95			1383462.74		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	9.00 % MOISTURE		NV	23.50 %		NV	22.30 %		NV	20.10 %		NV	24.50 %		NV
% SOLIDS	90.00 % SOLIDS		NV												

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104045			104047			104049			104051			104053		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	C-8			C-8			C-9			C-9			C-9		
DEPTH:	.17-.33			.33-.5			-.17			.17-.33			.33-.5		
DATE COLLECTED:	23-SEP-92			23-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92		
NORTH COORDINATE:	480512.884			480512.884			480487.471			480487.471			480487.471		
EAST COORDINATE:	1383462.74			1383462.74			1383312.91			1383312.91			1383312.91		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	23.20 %		NV	23.50 %		NV	30.40 %		NV	27.10 %		NV	23.70 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104101			104103			104105			104107			104109		
TASK:	04.20			04.20			04.20			04.20			04.20		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	D-1			D-1			D-1			D-2			D-2		
DEPTH:	-.17			.17-.33			.33-.5			0-.17			.17-.33		
DATE COLLECTED:	24-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92			24-SEP-92		
NORTH COORDINATE:	480201.248			480201.248			480201.248			480199.942			480199.942		
EAST COORDINATE:	1383302.83			1383302.83			1383302.83			1383352.53			1383352.53		
QA TYPE:	EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED			EXCAVATED		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	26.30 %		NV	24.00 %		NV	20.60 %		NV	26.10 %		NV	23.90 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104111	104113	104115	104117	104119
TASK:	04.20	04.20	04.20	04.20	04.20
LAB:	DATACHEM	DATACHEM	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	D-2	D-3	D-3	D-3	D-4
DEPTH:	.33-.5	-.17	.17-.33	.33-.5	-.17
DATE COLLECTED:	24-SEP-92	24-SEP-92	24-SEP-92	24-SEP-92	24-SEP-92
NORTH COORDINATE:	480199.942	480151.351	480151.351	480151.351	480101.451
EAST COORDINATE:	1383352.53	1383352.93	1383352.93	1383352.93	1383351.43
QA TYPE:	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.10 %		NV	21.40 %		NV	18.30 %		NV	18.00 %		NV	21.60 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104121	104123	075504	104125	104127
TASK:	04.20	04.20	04.01	04.20	04.20
LAB:	DATACHEM	DATACHEM	IT	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	D-4	D-4	D-5	D-5	D-5
DEPTH:	.17-.33	.33-.5	0-.5	-.17	.17-.33
DATE COLLECTED:	24-SEP-92	24-SEP-92	10-NOV-91	24-SEP-92	24-SEP-92
NORTH COORDINATE:	480101.451	480101.451	480050.648	480050.648	480050.648
EAST COORDINATE:	1383351.43	1383351.43	1383350.03	1383350.03	1383350.03
QA TYPE:	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.30 %		NV	20.70 %		NV	6.00 % MOISTURE		NV	20.60 %		NV	20.20 %		NV
% SOLIDS							93.60 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	104129	099236	099227	099229	099233
TASK:	04.20	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	DATACHEM	IT-KNOX	IT-KNOX	IT-KNOX	IT-KNOX
WELL OR BORING NUMBER:	D-5	FT-1	FT-2	FT-3	FT-4
DEPTH:	.33-.5	1-1.5	1-1.5	1-1.5	1-1.5
DATE COLLECTED:	24-SEP-92	29-DEC-92	14-DEC-92	16-DEC-92	17-DEC-92
NORTH COORDINATE:	480050.648	482252.15	482250.45	482252.52	482199.48
EAST COORDINATE:	1383350.03	1380198.15	1380837.79	1380983.13	1380897.59
QA TYPE:	EXCAVATED	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	20.10 %		NV	31.00 UG/KG		NV	22.00 UG/KG		NV	22.00 UG/KG		NV	23.00 UG/KG		NV
% SOLIDS				69000.00 UG/KG		NV	78300.00 UG/KG		NV	78200.00 UG/KG		NV	77100.00 UG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	111790	111791	111792	111793	111794
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	ITAS	ITAS	ITAS	ITAS	ITAS
WELL OR BORING NUMBER:	IFP-SS-01	IFP-SS-02	IFP-SS-03	IFP-SS-04	IFP-SS-05
DEPTH:	0-.5	0-.5	0-.5	0-.5	0-.5
DATE COLLECTED:	16-APR-93	16-APR-93	16-APR-93	16-APR-93	16-APR-93
NORTH COORDINATE:	477700.23	477780.39	477812.34	477839.06	477981.13
EAST COORDINATE:	1379288.15	1379109.01	1379045.82	1378957.87	1379030.85
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	39.70 %		NV	13.33 %		NV	5.70 % MOISTURE		NV	21.55 %		NV	20.70 %		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	111795	111796	114564	099154	099155
TASK:	20.03.05	20.03.05	20.03.05	50.03.07	50.03.07
LAB:	ITAS	ITAS	ITAS	IT	IT
WELL OR BORING NUMBER:	IFP-SS-06	IFP-SS-07	LSP-SB-01	P1P2	P1P2
DEPTH:	0-.5	0-.5	.5-1	0-1	2-3
DATE COLLECTED:	16-APR-93	16-APR-93	05-MAY-93	12-JAN-93	12-JAN-93
NORTH COORDINATE:	478059.99	478165.89	480660.61	481183.82	481183.82
EAST COORDINATE:	1378926.62	1379023.03	1379549.95	1380571.96	1380571.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	19.05 %		NV	20.63 %		NV	16.30 %		NV				25.00 UG/KG		NV
% SOLIDS										88900.00 UG/KG		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061401	061406	061408	061413	061415
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P45	P1P45	P1P46	P1P46	P1P47
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	481159	481159	481161	481161	481163.1
EAST COORDINATE:	1380017.6	1380017.6	1379942.6	1379942.6	1379867.6
QA TYPE:	EXCAVATED	NORMAL	EXCAVATED	NORMAL	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	18.00 %		NV	16.00 %		NV	12.00 %		NV	11.00 %		NV	17.00 %		NV
% SOLIDS	81.60 % SOLIDS		NV				88.20 % SOLIDS		NV				82.60 % SOLIDS		NV

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FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061420	061429	061434	061422	061427
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P47	P1P48	P1P48	P1P49	P1P49
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	16-MAY-91	17-MAY-91	17-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	481163.1	481258.9	481258.9	481261	481261
EAST COORDINATE:	1379867.6	1380020.3	1380020.3	1379945.3	1379945.3
QA TYPE:	NORMAL	EXCAVATED	NORMAL	EXCAVATED	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	15.00 %		NV	16.00 %		NV	14.00 %		NV	18.00 %		NV
% SOLIDS				85.40 % SOLIDS		NV				85.80 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061420	061429	061434	061422	061427
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P47	P1P48	P1P48	P1P49	P1P49
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	16-MAY-91	17-MAY-91	17-MAY-91	16-MAY-91	16-MAY-91
NORTH COORDINATE:	481163.1	481258.9	481258.9	481261	481261
EAST COORDINATE:	1379867.6	1380020.3	1380020.3	1379945.3	1379945.3
QA TYPE:	NORMAL	EXCAVATED	NORMAL	EXCAVATED	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	17.00 %		NV	15.00 %		NV	16.00 %		NV	14.00 %		NV	18.00 %		NV
% SOLIDS				85.40 % SOLIDS		NV				85.80 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061394	061399	061373	061378	061352
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P50	P1P50	P1P51	P1P51	P1P52
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	15-MAY-91	15-MAY-91	15-MAY-91	15-MAY-91	14-MAY-91
NORTH COORDINATE:	481263	481263	481358.9	481358.9	481360.9
EAST COORDINATE:	1379870.4	1379870.4	1380023	1380023	1379948.1
QA TYPE:	EXCAVATED	NORMAL	NORMAL	NORMAL	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	14.00 %		NV	16.00 %		NV	21.00 %		NV	11.00 %		NV	15.00 %		NV
% SOLIDS	86.20 % SOLIDS		NV				78.90 % SOLIDS		NV				84.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061387	061392	061380	061385	061443
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P55	P1P55	P1P56	P1P56	P1P57
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	15-MAY-91	15-MAY-91	15-MAY-91	15-MAY-91	17-MAY-91
NORTH COORDINATE:	481460	481460	481462.1	481462.1	481558
EAST COORDINATE:	1379983	1379983	1379908	1379908	1380060.7
QA TYPE:	EXCAVATED	NORMAL	EXCAVATED	NORMAL	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	18.00 %		NV	16.00 %		NV	13.00 %		NV	9.00 % MOISTURE		NV	13.00 %		NV
% SOLIDS	82.10 % SOLIDS		NV				87.40 % SOLIDS		NV				87.40 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061448	061366	061371	061347	061350
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P57	P1P58	P1P58	P1P59	P1P59
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	0-.5
DATE COLLECTED:	17-MAY-91	15-MAY-91	15-MAY-91	14-MAY-91	14-MAY-91
NORTH COORDINATE:	481558	481560	481560	481562	481562
EAST COORDINATE:	1380060.7	1379985.7	1379985.7	1379910.7	1379910.7
QA TYPE:	NORMAL	EXCAVATED	NORMAL	EXCAVATED	EXCAVATED
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	13.00 %		NV	10.00 %		NV	9.00 % MOISTURE		NV	10.00 %		NV	10.00 %		NV
% SOLIDS				90.00 % SOLIDS		NV				89.80 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061463			061450			061455			061465			061470		
TASK:	04.04			04.04			04.04			04.04			04.04		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	P1P60			P1P61			P1P61			P1P62			P1P62		
DEPTH:	1.5-2			0-.5			1.5-2			0-.5			1.5-2		
DATE COLLECTED:	18-MAY-91			17-MAY-91			17-MAY-91			18-MAY-91			18-MAY-91		
NORTH COORDINATE:	481657.9			481659.9			481659.9			481662			481662		
EAST COORDINATE:	1380063.4			1379988.4			1379988.4			1379913.5			1379913.5		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			R-NA			NONE-NA			NONE-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															
% MOISTURE	23.00 %		NV	8.00 % MOISTURE		NV	8.00 % MOISTURE		NV	13.00 %		NV	10.00 %		NV
% SOLIDS				92.10 % SOLIDS		NV				87.00 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061479	061484	061472	061477	061504
TASK:	04.04	04.04	04.04	04.04	04.04
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	P1P63	P1P63	P1P64	P1P64	P1P65
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	19-MAY-91	19-MAY-91	19-MAY-91	19-MAY-91	02-JUN-91
NORTH COORDINATE:	481860.8	481860.8	481862.6	481862.6	481975.8
EAST COORDINATE:	1380036.8	1380036.8	1379972.8	1379972.8	1380039.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	DL-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	16.00 %		NV	13.00 %		NV	4.00 % MOISTURE		NV	15.00 %		NV
% SOLIDS	88.70 % SOLIDS		NV				87.10 % SOLIDS		NV				85.00 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061505	061506	061507	UST60605	UST60607
TASK:	04.04	04.04	04.04	UST	UST
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	P1P65	P1P66	P1P66	US3-1 (EM-2119)	US3-4 (EM-2121)
DEPTH:	1.5-2	0-.5	1.5-2	15-0	4-0
DATE COLLECTED:	02-JUN-91	02-JUN-91	02-JUN-91	29-NOV-90	29-NOV-90
NORTH COORDINATE:	481975.8	481977.5	481977.5	481097	481107
EAST COORDINATE:	1380039.9	1379976	1379976	1381331	1381331
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.00 %		NV	7.00 % MOISTURE		NV	13.00 %		NV						
% SOLIDS				92.60 % SOLIDS		NV									
TPH										1270.00 MG/KG		NV	2160.00 MG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	UST60606	UST62584	UST62585	UST62586	UST28256
TASK:	UST	UST	UST	UST	UST
LAB:	NET	NET	NET	NET	NET
WELL OR BORING NUMBER:	US3-5 (EM-2120)	US6-2 (EM-2178)	US6-3 (EM-2179)	US6-4 (EM-2180)	USSO-041890-1
DEPTH:	2-0	10-0	4-0	1-0	-
DATE COLLECTED:	29-NOV-90	14-DEC-90	14-DEC-90	14-DEC-90	18-APR-90
NORTH COORDINATE:	481107	480992	480990	480988	479833
EAST COORDINATE:	1381336	1381140	1381145	1381136	1381595
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TPH	23600.00 MG/KG		NV	10.00 MG/KG		UNV	10.00 MG/KG		UNV	10.00 MG/KG		UNV	2600.00 MG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	UST28257	UST28258	UST28259	UST28260	UST28261
TASK:	UST	UST	UST	UST	UST
LAB:	NET	NET	NET	NET	NET
WELL OR BORING NUMBER:	USSO-041890-2	USSO-041890-3	USSO-041890-4	USSO-041890-5	USSO-041890-6
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-APR-90	18-APR-90	18-APR-90	18-APR-90	18-APR-90
NORTH COORDINATE:	479833	479833	479833	479833	479833
EAST COORDINATE:	1381595	1381595	1381595	1381595	1381595
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TPH	190.00 MG/KG		NV	250.00 MG/KG		NV	1100.00 MG/KG		NV	350.00 MG/KG		NV	140.00 MG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	UST28262	UST28263	UST61671	UST61672	UST61673
TASK:	UST	UST	UST	UST	UST
LAB:	NET	NET	NET	NET	NET
WELL OR BORING NUMBER:	USSO-041990-1	USSO-041990-2	UST-10-1	UST-10-2	UST-10-5
DEPTH:	-	-	10-10.5	10-10.5	10-10.5
DATE COLLECTED:	18-APR-90	18-APR-90	07-DEC-90	07-DEC-90	07-DEC-90
NORTH COORDINATE:	479833	479833	479923.319	479905.737	479896.258
EAST COORDINATE:	1381595	1381595	1381522.07	1381520.90	1381504.76
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TPH	3300.00 MG/KG		NV	760.00 MG/KG		NV	61.00 MG/KG		NV	10.00 MG/KG		UNV	10.00 MG/KG		UNV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	UST62582	UST62581	UST62583	UST62578	UST62579
TASK:	UST	UST	UST	UST	UST
LAB:	NET	NET	NET	NET	NET
WELL OR BORING NUMBER:	UST-11-1	UST-12-1	UST-12-2	UST-13-3	UST-13-4
DEPTH:	10-10.5	10-10.5	10-10.5	2-2.5	1.5-2
DATE COLLECTED:	13-DEC-90	13-DEC-90	13-DEC-90	13-DEC-90	13-DEC-90
NORTH COORDINATE:	480825.410	480832.489	480832.678	480792.039	480771.127
EAST COORDINATE:	1380353.76	1380353.82	1380369.52	1380393.56	1380393.65
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TPH	1410.00 MG/KG		NV	374.00 MG/KG		NV	1810.00 MG/KG		NV	85.00 MG/KG		NV	979.00 MG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	UST62580	UST62572	UST62573	UST62574	UST62575
TASK:	UST	UST	UST	UST	UST
LAB:	NET	NET	NET	NET	NET
WELL OR BORING NUMBER:	UST-13-6	UST-8-1	UST-8-2	UST-8-4	UST-9-1
DEPTH:	4-4.5	10-10.5	10-10.5	4-4.5	10-10.5
DATE COLLECTED:	13-DEC-90	13-DEC-90	13-DEC-90	13-DEC-90	13-DEC-90
NORTH COORDINATE:	480770.784	479932.500	479947.434	479940.167	479913.125
EAST COORDINATE:	1380398.60	1381473.26	1381473.27	1381475.42	1381474.93
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
TPH	588.00 MG/KG		NV	285.00 MG/KG		NV	287.00 MG/KG		NV	56.00 MG/KG		NV	656.00 MG/KG		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	UST62576			UST62577			UST28275			UST28276			UST28277		
TASK:	UST			UST			UST			UST			UST		
LAB:	NET			NET			NET			NET			NET		
WELL OR BORING NUMBER:	UST-9-2			UST-A-1			USTC-041890-1			USTC-041890-2			USTC-041890-3		
DEPTH:	10-10.5			2-2.5			-			-			-		
DATE COLLECTED:	13-DEC-90			13-DEC-90			18-APR-90			18-APR-90			18-APR-90		
NORTH COORDINATE:	479904.603			479925.484			479833			479833			479833		
EAST COORDINATE:	1381472.72			1381487.32			1381595			1381595			1381595		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
TPH	519.00 MG/KG		NV	19.00 MG/KG		NV	26.00 MG/L		NV	220.00 MG/L		NV	160.00 MG/L		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061002	061007	061065	061070	061072
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA1	WPA1	WPA10	WPA10	WPA11
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	18-APR-91	18-APR-91	22-APR-91	22-APR-91	21-APR-91
NORTH COORDINATE:	482447	482447	481144.8	481144.8	481044.9
EAST COORDINATE:	1377970.4	1377970.4	1378034.8	1378034.8	1378032.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	19.00 %		NV	14.00 %		NV	11.00 %		NV	15.00 %		NV	14.00 %		NV
% SOLIDS	80.60 % SOLIDS		NV				88.70 % SOLIDS		NV				86.40 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061077			061079			061084			061086			061091		
TASK:	04.01			04.01			04.01			04.01			04.01		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	WPA11			WPA12			WPA12			WPA13			WPA13		
DEPTH:	1.5-2			0-.5			1.5-2			0-.5			1.5-2		
DATE COLLECTED:	21-APR-91			21-APR-91			21-APR-91			21-APR-91			21-APR-91		
NORTH COORDINATE:	481044.9			481042.1			481042.1			481039.4			481039.4		
EAST COORDINATE:	1378032.1			1378132			1378132			1378232			1378232		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			DL-NA			NONE-NA			NONE-NA			NONE-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															
% MOISTURE	14.00 %		NV	12.00 %		NV	21.00 %		NV	11.00 %		NV	12.00 %		NV
% SOLIDS				87.70 % SOLIDS		NV				89.40 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061093	061098	061100	061105	061112
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA14	WPA14	WPA15	WPA15	WPA16
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	1.5-2
DATE COLLECTED:	25-APR-91	25-APR-91	25-APR-91	25-APR-91	25-APR-91
NORTH COORDINATE:	481033.9	481033.9	481028.5	481028.5	481128.4
EAST COORDINATE:	1378431.9	1378431.9	1378631.8	1378631.8	1378634.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	11.00 %		NV	17.00 %		NV	20.00 %		NV	21.00 %		NV	13.00 %		NV
% SOLIDS	89.40 % SOLIDS		NV				79.60 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061114	061119	061121	061515	061126
TASK:	04.01	04.01	04.01	04.04	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA17	WPA17	WPA18	WPA18	WPA18
DEPTH:	0-.5	1.5-2	0-.5	.5-1	1.5-2
DATE COLLECTED:	25-APR-91	25-APR-91	27-APR-91	25-JUL-91	27-APR-91
NORTH COORDINATE:	481125.7	481125.7	480836.8	480836.8	480836.8
EAST COORDINATE:	1378734.5	1378734.5	1378326.4	1378326.4	1378326.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	10.00 %		NV	15.00 %		NV	8.00 % MOISTURE		NV	2.00 % MOISTURE		NV	6.00 % MOISTURE		NV
% SOLIDS	89.60 % SOLIDS		NV				92.40 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061512	061514	061128	061133	061009
TASK:	04.04	04.04	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA18	WPA18	WPA19	WPA19	WPA2
DEPTH:	1.5-2	1.3-1.8	0-.5	1.5-2	0-.5
DATE COLLECTED:	24-JUL-91	25-JUL-91	27-APR-91	27-APR-91	19-APR-91
NORTH COORDINATE:	480836.8	480836.8	480636.9	480636.9	482344.3
EAST COORDINATE:	1378326.4	1378326.4	1378321	1378321	1378067.6
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	4.00 % MOISTURE		NV	4.00 % MOISTURE		NV	8.00 % MOISTURE		NV	11.00 %		NV	8.00 % MOISTURE		NV
% SOLIDS							89.40 % SOLIDS		NV				91.50 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061014	061135	061140	061142	061147
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA2	WPA20	WPA20	WPA21	WPA21
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	19-APR-91	26-APR-91	26-APR-91	26-APR-91	26-APR-91
NORTH COORDINATE:	482344.3	480437	480437	480221.7	480221.7
EAST COORDINATE:	1378067.6	1378315.5	1378315.5	1378315.9	1378315.9
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	12.00 %		NV	19.00 %		NV	13.00 %		NV	13.00 %		NV	11.00 %		NV
% SOLIDS				80.90 % SOLIDS		NV				87.00 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061150	061310	061163	061016	061021
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA22	WPA23	WPA24	WPA3	WPA3
DEPTH:	0-.5	0-.5	0-.5	0-.5	1.5-2
DATE COLLECTED:	21-APR-91	27-APR-91	27-APR-91	19-APR-91	19-APR-91
NORTH COORDINATE:	480037.1	480240.1	480228.8	482244.3	482244.3
EAST COORDINATE:	1378304.6	1378407	1378609.9	1378064.4	1378064.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	8.00 % MOISTURE		NV	17.00 %		NV	10.00 %		NV	12.00 %		NV
% SOLIDS	85.30 % SOLIDS		NV	82.10 % SOLIDS		NV	83.30 % SOLIDS		NV	89.80 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061205	061210	061212	061217	061220
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA30	WPA30	WPA31	WPA31	WPA32
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	24-APR-91	24-APR-91	24-APR-91	24-APR-91	23-APR-91
NORTH COORDINATE:	480423.3	480423.3	480473.9	480473.9	480520.5
EAST COORDINATE:	1378815.3	1378815.3	1378750.2	1378750.2	1378918
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	30.00 %		NV	15.00 %		NV	16.00 %		NV	13.00 %		NV	18.00 %		NV
% SOLIDS	70.00 % SOLIDS		NV				83.60 % SOLIDS		NV				81.80 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061225	061233	061238	061240	061245
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA32	WPA34	WPA34	WPA35	WPA35
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	26-APR-91	25-APR-91	25-APR-91	25-APR-91	25-APR-91
NORTH COORDINATE:	480520.5	480603.4	480603.4	480725.9	480725.9
EAST COORDINATE:	1378918	1378836.7	1378836.7	1378723.5	1378723.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	20.00 %		NV	13.00 %		NV	18.00 %		NV	10.00 %		NV	13.00 %		NV
% SOLIDS				87.40 % SOLIDS		NV				89.60 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061247	061252	061254	061258	061260
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA36	WPA36	WPA37	WPA37	WPA38
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	23-APR-91	23-APR-91	23-APR-91	23-APR-91	23-APR-91
NORTH COORDINATE:	480695.4	480695.4	480828.6	480828.6	482108.8
EAST COORDINATE:	1378922.7	1378922.7	1378626.3	1378626.3	1379361.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	DL-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															
% MOISTURE	17.00 %		NV	17.00 %		NV	14.00 %		NV	9.00 % MOISTURE		NV	17.00 %		NV
% SOLIDS	82.60 % SOLIDS		NV				86.50 % SOLIDS		NV				82.70 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061266	061268	061273	061023	061028
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA38	WPA39	WPA39	WPA4	WPA4
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	23-APR-91	23-APR-91	23-APR-91	20-APR-91	20-APR-91
NORTH COORDINATE:	482108.8	482106.1	482106.1	482044.4	482044.4
EAST COORDINATE:	1379361.5	1379461.5	1379461.5	1378059.4	1378059.4
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	13.00 %		NV	17.00 %		NV	19.00 %		NV	20.00 %		NV	14.00 %		NV
% SOLIDS				82.80 % SOLIDS		NV				80.50 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061275	061280	061282	061287	061289
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA40	WPA40	WPA41	WPA41	WPA42
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	22-APR-91	22-APR-91	22-APR-91	22-APR-91	22-APR-91
NORTH COORDINATE:	482006.1	482006.1	481903.4	481903.4	481806.2
EAST COORDINATE:	1379458.8	1379458.8	1379556	1379556	1379453.3
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	16.00 %		NV	15.00 %		NV	14.00 %		NV	14.00 %		NV	19.00 %		NV
% SOLIDS	84.30 % SOLIDS		NV				85.50 % SOLIDS		NV				81.30 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061294	061295	061301	061303	061308
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA42	WPA43	WPA43	WPA44	WPA44
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	1.5-2
DATE COLLECTED:	22-APR-91	22-APR-91	22-APR-91	23-APR-91	23-APR-91
NORTH COORDINATE:	481806.2	481709	481709	481606.3	481606.3
EAST COORDINATE:	1379453.3	1379350.6	1379350.6	1379447.8	1379447.8
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	20.00 %		NV	10.00 %		NV	20.00 %		NV	8.00 % MOISTURE		NV
% SOLIDS				80.40 % SOLIDS		NV				79.90 % SOLIDS		NV			

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061030	061035	061037	061042	061044
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA5	WPA5	WPA6	WPA6	WPA7
DEPTH:	0-.5	1.5-2	0-.5	1.5-2	0-.5
DATE COLLECTED:	20-APR-91	20-APR-91	20-APR-91	20-APR-91	22-APR-91
NORTH COORDINATE:	481844.5	481844.5	481650.1	481650.1	481450.2
EAST COORDINATE:	1378053.9	1378053.9	1377848.6	1377848.6	1377843.1
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	21.00 %		NV	23.00 %		NV	10.00 %		NV	16.00 %		NV	13.00 %		NV
% SOLIDS	78.60 % SOLIDS		NV				89.80 % SOLIDS		NV				86.60 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	061049	061050	061056	061058	075505
TASK:	04.01	04.01	04.01	04.01	04.01
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	WPA7	WPA8	WPA8	WPA9	WPS-E-5
DEPTH:	1.5-2	0-.5	1.5-2	0-.5	0-.5
DATE COLLECTED:	22-APR-91	22-APR-91	22-APR-91	21-APR-91	10-NOV-91
NORTH COORDINATE:	481450.2	481475.5	481475.5	481147.6	481119.49
EAST COORDINATE:	1377843.1	1377937.6	1377937.6	1377934.8	1378025.57
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-NA	NONE-NA	NONE-NA	NONE-NA	NONE-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															
% MOISTURE	15.00 %		NV	8.00 % MOISTURE		NV	13.00 %		NV	17.00 %		NV	9.00 % MOISTURE		NV
% SOLIDS				79.10 % SOLIDS		NV				82.70 % SOLIDS		NV	91.50 % SOLIDS		NV

FERNALD ANALYTICAL REPORT
SOILS - GEOTECHNICAL AND MISC. DATA

SAMPLE NUMBER:	075506			075507			075508								
TASK:	04.01			04.01			04.01								
LAB:	IT			IT			IT								
WELL OR BORING NUMBER:	WPS-F-7			WPS-G-22			WPS-H-15								
DEPTH:	0-.5			0-.5			0-.5			-			-		
DATE COLLECTED:	10-NOV-91			10-NOV-91			10-NOV-91								
NORTH COORDINATE:	481123.96			481077.57			481130.62								
EAST COORDINATE:	1378033.69			1378081.8			1378091.99								
QA TYPE:	NORMAL			NORMAL			NORMAL								
QC OF:															
SUFFIX/FILTERFLAG:	NONE-NA			NONE-NA			NONE-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															
% MOISTURE	7.00 % MOISTURE		NV	9.00 % MOISTURE		NV	6.00 % MOISTURE		NV						
% SOLIDS	93.30 % SOLIDS		NV	90.80 % SOLIDS		NV	92.40 % SOLIDS		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003925	003925	066816	003418	003418
TASK:	3.2.4	3.2.4	9.27	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT/RSL
WELL OR BORING NUMBER:	1008	1008	1008	1008	1008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-FEB-89	05-FEB-89	05-JAN-90	09-AUG-88	09-AUG-88
NORTH COORDINATE:	480660.43	480660.43	480660.43	480660.43	480660.43
EAST COORDINATE:	1378925.89	1378925.89	1378925.89	1378925.89	1378925.89
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				8 MG/L		-									
FLUORIDE				.78 MG/L		J									
NITRATE				.1 MG/L		UJ									
PHENOLS				.01 MG/L		UJ									
PHOSPHORUS				.03 MG/L		J									
SULFATE				19.6 MG/L		-									
TOTAL KJELDAHL NITROGEN				.197 MG/L		J									
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.197 MG/L		J									
INORGANICS															
ALUMINUM													.2 MG/L		U
ANTIMONY													.06 MG/L		U
ARSENIC	.003 MG/L		-										.01 MG/L		U
BARIUM	.373 MG/L		-										.3 MG/L		-
BERYLLIUM													.005 MG/L		U
CADMIUM	.008 MG/L		-										.005 MG/L		U
CALCIUM	89.8 MG/L		-										89 MG/L		-
CHROMIUM	.026 MG/L		-										.01 MG/L		U
COBALT													.05 MG/L		U
COPPER	.015 MG/L		-										.03 MG/L		U
IRON	.043 MG/L		-										.1 MG/L		U
LEAD	.002 MG/L		UJ										.005 MG/L		U
MAGNESIUM	40 MG/L		-										37 MG/L		-
MANGANESE	.196 MG/L		-										.25 MG/L		-
MERCURY	.0025 MG/L		-										.0003 MG/L		U
MOLYBDENUM	.02 MG/L		U										.05 MG/L		U
NICKEL	.02 MG/L		U										.04 MG/L		U
POTASSIUM	.981 MG/L		J										5 MG/L		U
SELENIUM	.002 MG/L		UJ										.005 MG/L		U

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09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003925			003925			066816			003418			003418		
LAB:	IT			IT			IT			IT			IT/RSL		
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															
SILVER	.0005 MG/L		U										.01 MG/L		U
SODIUM	9.37 MG/L		-										12 MG/L		-
THALLIUM													.5 MG/L		U
VANADIUM													.05 MG/L		U
ZINC													.04 MG/L		-
RADIONUCLIDES															
URANIUM-238				1.9 PCI/L	.5	-	4.49 PCI/L	.93	-	5.6 PCI/L	.9	-			
URANIUM, TOTAL				6 UG/L	1	-	14.6 UG/L	1.6	J	13 UG/L	2	-			
URANIUM-234				1.2 PCI/L	.4	-	3.86 PCI/L	.84	R	4.5 PCI/L	.7	-			
THORIUM-230				1 PCI/L		U	1 PCI/L		U	1.3 PCI/L	.5	J			
RADIUM-226				1 PCI/L		U				1 PCI/L	.4	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	.5	J			
THORIUM, TOTAL				3 UG/L		U				12 UG/L	4	J			
RADIUM-228				3 PCI/L		UJ				3 PCI/L		U			
THORIUM-228				1 PCI/L		U	1 PCI/L		U	1.4 PCI/L	.5	J			
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				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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003418			GW930413-9			GW930413-9			GW930413-9			GW930413-9		
TASK:	3.2.4			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT/RSL			CORE			CORE			NET			NET		
WELL OR BORING NUMBER:	1008			1008			1008			1008			1008		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-AUG-88			13-APR-93			13-APR-93			13-APR-93			13-APR-93		
NORTH COORDINATE:	480660.43			480660.43			480660.43			480660.43			480660.43		
EAST COORDINATE:	1378925.89			1378925.89			1378925.89			1378925.89			1378925.89		
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													312 MG/L		-
AMMONIA	.3 MG/L		U										.02 MG/L		UR
BICARBONATE ALKALINITY													412 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE	8 MG/L		-										18 MG/L		-
FLUORIDE	1.2 MG/L		-										.73 MG/L		-
NITRATE	.23 MG/L		J										.09 MG/L		-
NITRATE/NITRITE													.09 MG/L		-
PH	50 UG/L		-										7.42 SU		-
PHENOLS	.05 MG/L		U										.01 MG/L		U
PHOSPHORUS													.1 MG/L		UR
SPECIFIC CONDUCTIVITY													664 UMHOS/CM		-
SULFATE	28 MG/L		J										32 MG/L		-
TOTAL DISSOLVED SOLIDS										391 MG/L		-			
TOTAL KJELDAHL NITROGEN	15 MG/L		U										.72 MG/L		-
TOTAL ORGANIC CARBON													10 MG/L		J
TOTAL ORGANIC HALOGENS													.01 MG/L		U
TOTAL ORGANIC NITROGEN	.3 MG/L		U										.72 MG/L		-
TOTAL SOLIDS													418 MG/L		-
INORGANICS															
ALUMINUM										.02 MG/L		U	.138 MG/L		U
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.002 MG/L		U	.002 MG/L		U
BARIUM										.413 MG/L		-	.437 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		UJ	.003 MG/L		U
CALCIUM										81.8 MG/L		-	85.6 MG/L		-
CHROMIUM										.005 MG/L		U	.005 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.008 MG/L		U	.007 MG/L		U

SAMPLE NUMBER:	003418			GW930413-9			GW930413-9			GW930413-9			GW930413-9		
LAB:	IT/RSL			CORE			CORE			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															
CYANIDE										.01 MG/L		UJ	.01 MG/L		UJ
IRON										.0161 MG/L		U	.277 MG/L		U
LEAD										.001 MG/L		UJ	.0014 MG/L		UJ
MAGNESIUM										34.6 MG/L		-	35.7 MG/L		-
MANGANESE										.0177 MG/L		-	.024 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.02 MG/L		U	.02 MG/L		U
POTASSIUM										.747 MG/L		-	1.08 MG/L		-
SELENIUM										.001 MG/L		UJ	.001 MG/L		UJ
SILVER										.007 MG/L		U	.007 MG/L		U
SODIUM										9.45 MG/L		-	9.98 MG/L		-
THALLIUM										.002 MG/L		U	.002 MG/L		U
VANADIUM										.003 MG/L		U	.003 MG/L		U
ZINC										.0091 MG/L		U	.005 MG/L		U
RADIONUCLIDES															
URANIUM-238				.9 PCI/L	.3	J	.7 PCI/L	.2	J						
URANIUM, TOTAL				2.2 UG/L	.2	-	2.1 UG/L	.1	J						
URANIUM-234				.8 PCI/L	.3	J	.8 PCI/L	.2	J						
THORIUM-230				.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ						
RADIUM-226				1.6 PCI/L	.3	J	1.7 PCI/L	.5	-						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ						
THORIUM-232				.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ						
THORIUM, TOTAL				.9120122 PCI/L	.1	NV									
RADIUM-228				11.5 PCI/L	1.7	-	3 PCI/L	.9	U						
THORIUM-228				.2 PCI/L	.1	UJ	.3 PCI/L	.1	J						
TECHNETIUM-99				15 PCI/L	7.9	U	15 PCI/L	6.8	UJ						
GROSS ALPHA				3.6 PCI/L	1.9	UNV	2.8 PCI/L	1.6	NV						
GROSS BETA				3 PCI/L	1.8	UNV	4.3 PCI/L	1.9	NV						
SEMIVOLATILES															
PHENOL	50 UG/L		-										.01 MG/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		U

SAMPLE NUMBER:	003418			GW930413-9			GW930413-9			GW930413-9			GW930413-9		
LAB:	IT/RSL			CORE			CORE			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															
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		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 CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_2	EMGW_SYSGEN_2	EMGW_SYSGEN_2	GW930119-1	GW930119-1
TASK:	GWMON	GWMON	GWMON	RCRA	RCRA
LAB:	IT	NET	NET	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	1008	1008	1008	1008	1008
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-AUG-90	13-AUG-90	13-AUG-90	19-JAN-93	19-JAN-93
NORTH COORDINATE:	480660.43	480660.43	480660.43	480660.43	480660.43
EAST COORDINATE:	1378925.89	1378925.89	1378925.89	1378925.89	1378925.89
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															
CHLORIDE							11 MG/L		NV						
FLUORIDE							1.02 MG/L		NV						
NITRATE, AS NITROGEN							.02 MG/L		UNV						
PHENOLS							.005 MG/L		UNV						
SULFATE							42 MG/L		NV						
TOTAL ORGANIC CARBON							4 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	9.45 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.009 MG/L		NV						
BARIUM				.221 MG/L		NV	.495 MG/L		NV						
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				66 MG/L		NV	109 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				.05 MG/L		UNV	12.7 MG/L		NV						
LEAD				.005 MG/L		UNV	.006 MG/L		NV						
MAGNESIUM				33.2 MG/L		NV	51.2 MG/L		NV						
MANGANESE				.03 MG/L		NV	.295 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	.014 MG/L		NV						
POTASSIUM				1.14 MG/L		NV	2.68 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				13.1 MG/L		NV	29.6 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_2			EMGW_SYSGEN_2			EMGW_SYSGEN_2			GW930119-1			GW930119-1		
LAB:	IT			NET			NET			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															
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.027 MG/L		NV	.041 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	12.8 PCI/L		NV							1.2 UG/L		NV	3.6 UG/L		NV
URANIUM, TOTAL	31.1 UG/L		NV												
URANIUM-234	12.5 PCI/L		NV							.5 PCI/L	.2	NV			
THORIUM-230	.57 PCI/L		UNV							1 PCI/L	.4	UNV			
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	1.77 PCI/L		NV							.6 PCI/L	.2	NV			
THORIUM-232	.57 PCI/L		UNV							5.1 UG/L		NV			
THORIUM, TOTAL	5.2 UG/L		UNV							3 PCI/L	1.2	UNV			
RADIUM-228	3 PCI/L		UNV							.4 PCI/L	.2	NV			
THORIUM-228	.809 PCI/L		NV							1.1 PCI/L	1.5	NV			
GROSS ALPHA										4.1 PCI/L	1.8	NV			
GROSS BETA															
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						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_2			EMGW_SYSGEN_2			EMGW_SYSGEN_2			GW930119-1			GW930119-1		
LAB:	IT			NET			NET			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															
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:	GW930119-1			GW930119-1			003215			003215			003725		
TASK:	RCRA			RCRA			3.2.4			3.2.4			3.2.4		
LAB:	NET			NET			IT			IT			IT		
WELL OR BORING NUMBER:	1008			1008			1008			1008			1008		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JAN-93			19-JAN-93			20-MAY-88			20-MAY-88			20-NOV-88		
NORTH COORDINATE:	480660.43			480660.43			480660.43			480660.43			480660.43		
EAST COORDINATE:	1378925.89			1378925.89			1378925.89			1378925.89			1378925.89		
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				319 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.05 MG/L		NV				.1 MG/L		U			
BICARBONATE ALKALINITY				390 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				18 MG/L		NV				3.9 MG/L		-			
FLUORIDE				.77 MG/L		NV				.9 MG/L		-			
NITRATE				.15 MG/L		NV				.1 MG/L		-			
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.41 SU		NV				.01 MG/L		-			
PHENOLS				.005 MG/L		UNV				.01 MG/L		-			
PHOSPHORUS				.1 MG/L		UNV				.13 MG/L		-			
SPECIFIC CONDUCTIVITY				747 UMHOS/CM		NV									
SULFATE				35 MG/L		NV				17 MG/L		-			
TOTAL DISSOLVED SOLIDS	395 MG/L		NV												
TOTAL ORGANIC CARBON				2 MG/L		NV									
TOTAL ORGANIC HALIDES				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.3 MG/L		-			
TOTAL SOLIDS				419 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.38 MG/L		NV									
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV	.2 MG/L		U				.002 MG/L		UJ
BARIUM	.45 MG/L		NV	.5 MG/L		NV	.318 MG/L		-				.334 MG/L		-
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.016 MG/L		-				.004 MG/L		-
CALCIUM	86 MG/L		NV	89 MG/L		NV	83.5 MG/L		-				84.5 MG/L		-
CHROMIUM	.004 MG/L		NV	.0059 MG/L		NV	.02 MG/L		U				.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		U				.01 MG/L		

SAMPLE NUMBER:	GW930119-1			GW930119-1			003215			003215			003725		
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															
CYANIDE				.005 MG/L		UNV									
IRON	.1 MG/L		UNV	.85 MG/L		NV	.06 MG/L		-				.413 MG/L		-
LEAD	.003 MG/L		UNV	.003 MG/L		UNV	.05 MG/L		U				.008 MG/L		J
MAGNESIUM	33 MG/L		NV	39 MG/L		NV	35.8 MG/L		-				35.8 MG/L		-
MANGANESE	.018 MG/L		NV	.067 MG/L		NV	.278 MG/L		-				.261 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.01 MG/L		NV	.012 MG/L		NV	.02 MG/L		-				.043 MG/L		-
NICKEL	.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U				.02 MG/L		U
POTASSIUM				1.1 MG/L		NV	1.02 MG/L		-				1.01 MG/L		-
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV	.2 MG/L		U				.002 MG/L		UJ
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U				.0005 MG/L		U
SODIUM				10 MG/L		NV	8.96 MG/L		-				9.58 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									
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										3.6 PCI/L	.5	R			
URANIUM, TOTAL										14 UG/L	3	J			
URANIUM-234										2.7 PCI/L	.4	R			
THORIUM-230										1 PCI/L		R			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		R			
THORIUM-232										1 PCI/L		R			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1 PCI/L		R			
NEPTUNIUM-237										1 PCI/L		U			

SAMPLE NUMBER:	GW930119-1			GW930119-1			003215			003215			003725		
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															
PLUTONIUM-239/240										1 PCI/L		R			
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															
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									
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:	GW930119-1			GW930119-1			003215			003215			003725		
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															
VINYL CHLORIDE				5 UG/L		UNV									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003725			EMGW_SYSGEN_1			EMGW_SYSGEN_1			EMGW_SYSGEN_1			EMGW_SYSGEN_3		
TASK:	3.2.4			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			IT			NET			WMCO			IT		
WELL OR BORING NUMBER:	1008			1008			1008			1008			1008		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-NOV-88			23-APR-90			23-APR-90			23-APR-90			24-OCT-90		
NORTH COORDINATE:	480660.43			480660.43			480660.43			480660.43			480660.43		
EAST COORDINATE:	1378925.89			1378925.89			1378925.89			1378925.89			1378925.89		
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	.26 MG/L		J												
CHLORIDE	.5 MG/L		-				9 MG/L		NV						
FLUORIDE	.88 MG/L		-												
NITRATE	.1 MG/L		U				.18 MG/L		NV						
NITRATE, AS NITROGEN							.18 MG/L		NV						
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.147 MG/L		-												
SULFATE	150 MG/L		-				24 MG/L		NV						
TOTAL KJELDAHL NITROGEN	.6 MG/L		J												
TOTAL ORGANIC CARBON							1 MG/L		NV						
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.34 MG/L		J												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	2.4 PCI/L	.7	J	2.89 PCI/L		NV				1.8 PCI/L		NV	3.33 PCI/L		NV
URANIUM, TOTAL	6 UG/L	1	J	7.17 UG/L		NV				5.44 UG/L		NV	7.34 UG/L		NV
URANIUM-234	1 PCI/L		UJ	1.89 PCI/L		NV				1.4 PCI/L		NV	2.77 PCI/L		NV
THORIUM-230	1 PCI/L		UJ	.965 PCI/L		NV							1 PCI/L		NV
RADIUM-226	1 PCI/L		UJ	1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		UJ	.41 PCI/L		UNV							.2 PCI/L		UNV
THORIUM-232	1 PCI/L		UJ	.827 PCI/L		NV							.545 PCI/L		NV
THORIUM, TOTAL	4 UG/L		U	7.46 UG/L		NV							4.92 UG/L		NV
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228	1 PCI/L		UJ	1.17 PCI/L		NV							1.66 PCI/L		NV
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003725			EMGW_SYSGEN_1			EMGW_SYSGEN_1			EMGW_SYSGEN_1			EMGW_SYSGEN_3		
LAB:	IT			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															
PLUTONIUM-238	1 PCI/L		UJ												
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				42.9 PCI/L	.0196	NV							25.6 PCI/L		NV
GROSS BETA				72.9 PCI/L	.0223	NV							32.4 PCI/L		NV
URANIUM-235	1 PCI/L		UJ	.41 PCI/L		UNV				.067 PCI/L		NV	.2 PCI/L		UNV
URANIUM-236										.01 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						
1,1,2,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_3			003716			003716			066817			003446		
TASK:	GWMON			3.2.4			3.2.4			9.27			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1008			1010			1010			1010			1010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-OCT-90			04-DEC-88			04-DEC-88			06-JAN-90			08-AUG-88		
NORTH COORDINATE:	480660.43			481452.64			481452.64			481452.64			481452.64		
EAST COORDINATE:	1378925.89			1379690.67			1379690.67			1379690.67			1379690.67		
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	323 MG/L		NV												
AMMONIA	.09 MG/L		NV				.1 MG/L		U						
CHLORIDE	10 MG/L		NV				2 MG/L		R						
FLUORIDE	.79 MG/L		NV				.48 MG/L		-						
NITRATE	.12 MG/L		NV				.1 MG/L		U						
NITRATE/NITRITE	.12 MG/L		NV												
PH	7.35 SU		NV				.01 MG/L		U						
PHENOLS	.005 MG/L		NV				.01 MG/L		U						
PHOSPHORUS	.78 MG/L		NV				.559 MG/L		-						
SPECIFIC CONDUCTIVITY	627 UMHOS/CM		NV												
SULFATE	36 MG/L		NV				105 MG/L		-						
TOTAL DISSOLVED SOLIDS	432 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.923 MG/L		-						
TOTAL ORGANIC CARBON	7 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.044 MG/L		NV												
TOTAL ORGANIC NITROGEN							.923 MG/L		-						
INORGANICS															
ARSENIC				.02 MG/L		R							.01 MG/L		R
BARIUM				.087 MG/L		-							.2 MG/L		R
CADMIUM				.002 MG/L		U							.005 MG/L		R
CALCIUM				158 MG/L		-							150 MG/L		R
CHROMIUM				.02 MG/L		U							.01 MG/L		R
COPPER				.01 MG/L		-							.03 MG/L		R
CYANIDE	.005 MG/L		UNV												
IRON				4.89 MG/L		J							.2 MG/L		R
LEAD				.023 MG/L		J							.005 MG/L		R
MAGNESIUM				45.9 MG/L		-							42 MG/L		R
MANGANESE				.181 MG/L		-							.13 MG/L		R
MERCURY				.0002 MG/L		U							.0002 MG/L		

SAMPLE NUMBER:	EMGW_SYSGEN_3			003716			003716			066817			003446		
LAB:	NET			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		UJ							.05 MG/L		R
NICKEL				.02 MG/L		U							.04 MG/L		R
POTASSIUM				3.41 MG/L		-							5 MG/L		R
SELENIUM				.004 MG/L		R							.005 MG/L		R
SILVER				.02 MG/L		U							.01 MG/L		R
SODIUM				14.6 MG/L		-							14 MG/L		R
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							3.3 PCI/L	.8	J	1 PCI/L		U			
URANIUM, TOTAL							10 UG/L	2	-	1.12 UG/L	.13	J			
URANIUM-234							3.4 PCI/L	.8	J	1 PCI/L		R			
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							5 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		UJ						
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												
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												

SAMPLE NUMBER:	EMGW_SYSGEN_3			003716			003716			066817			003446		
LAB:	NET			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															
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 1 WELLS

SAMPLE NUMBER:	003446			EMGW_SYSGEN_8			EMGW_SYSGEN_8			EMGW_SYSGEN_8			003169		
TASK:	3.2.4			GWMON			GWMON			GWMON			3.2.4		
LAB:	IT			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1010			1010			1010			1010			1010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-AUG-88			09-AUG-90			09-AUG-90			09-AUG-90			09-MAY-88		
NORTH COORDINATE:	481452.64			481452.64			481452.64			481452.64			481452.64		
EAST COORDINATE:	1379690.67			1379690.67			1379690.67			1379690.67			1379690.67		
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	26 MG/L		NV							19 MG/L		NV			
FLUORIDE	2.3 MG/L		NV							.27 MG/L		NV			
NITRATE	5 MG/L		UJ							.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PHENOLS	.01 MG/L		U							.005 MG/L		UNV			
PHOSPHATE	5.6 MG/L		-												
SULFATE	110 MG/L		NV							85 MG/L		NV			
TOTAL ORGANIC CARBON										5 MG/L		NV			
TOTAL ORGANIC HALIDES	.05 MG/L		R												
TOTAL ORGANIC HALOGENS										.049 MG/L		NV			
TOTAL ORGANIC NITROGEN	.3 MG/L		-												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	1.26 MG/L		NV	.0272 MG/L		-
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV	.0467 MG/L		U
ARSENIC							.0025 MG/L		UNV	.003 MG/L		NV	.002 MG/L		-
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.0799 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							113 MG/L		NV	136 MG/L		NV	155 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	.0067 MG/L		U
IRON							3.43 MG/L		NV	5.01 MG/L		NV	.106 MG/L		-
LEAD							.005 MG/L		UNV	.005 MG/L		UNV	.0021 MG/L		U
MAGNESIUM							38.8 MG/L		NV	46.4 MG/L		NV	43.1 MG/L		-
MANGANESE							.082 MG/L		NV	.092 MG/L		NV	.35 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	.0188 MG/L		-

SAMPLE NUMBER:	003446			EMGW_SYSGEN_8			EMGW_SYSGEN_8			EMGW_SYSGEN_8			003169		
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															
POTASSIUM							1.16 MG/L		NV	1.68 MG/L		NV	1.17 MG/L		-
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV	.0018 MG/L		U
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.0043 MG/L		U
SODIUM							17.5 MG/L		NV	17.1 MG/L		NV	12.2 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	.0125 MG/L		-
RADIONUCLIDES															
URANIUM-238	2 PCI/L	.4	J	.364 PCI/L		NV									
URANIUM, TOTAL	4 UG/L	1	-	1 UG/L		UNV									
URANIUM-234	2 PCI/L	.4	J	3.55 PCI/L		NV									
THORIUM-230	1.2 PCI/L	.5	J	.46 PCI/L		UNV									
RADIUM-226	2.3 PCI/L	.6	R	1 PCI/L		UNV									
URANIUM-235/236	1 PCI/L		U	.26 PCI/L		UNV									
THORIUM-232	1.7 PCI/L	.5	J	.46 PCI/L		UNV									
THORIUM, TOTAL	16 UG/L	5	J	4.1 UG/L		UNV									
RADIUM-228	3 PCI/L		U	3 PCI/L		UNV									
THORIUM-228	2.3 PCI/L	.6	J	.46 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															
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:	003446			EMGW_SYSGEN_8			EMGW_SYSGEN_8			EMGW_SYSGEN_8			003169		
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															
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 1 WELLS

SAMPLE NUMBER:	003169			003915			003915			120225			120225F		
TASK:	3.2.4			3.2.4			3.2.4			50.03.23			50.03.23		
LAB:	IT			IT			IT			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	1010			1010			1010			1010			1010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-MAY-88			13-MAR-89			13-MAR-89			16-JUN-93			16-JUN-93		
NORTH COORDINATE:	481452.64			481452.64			481452.64			481452.64			481452.64		
EAST COORDINATE:	1379690.67			1379690.67			1379690.67			1379690.67			1379690.67		
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										430 MG/L		-			
AMMONIA	.1 MG/L		UJ				.3 MG/L		U	.1 MG/L		-			
CHLORIDE	7.9 MG/L		-				20 MG/L		U	18 MG/L		-			
FLUORIDE	.4 MG/L		-				.3 MG/L		-	.4 MG/L		-			
NITRATE	.1 MG/L		U				.02 MG/L		R	.05 MG/L		U			
PHENOLS	.04 MG/L		-				.01 MG/L		-	.002 MG/L		U			
PHOSPHORUS	.37 MG/L		-				.05 MG/L		-	.08 MG/L		-			
SULFATE	142 MG/L		-				79 MG/L		-	85 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN							.3 MG/L		U						
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALIDES							.05 MG/L		U	.01 MG/L		U			
TOTAL ORGANIC NITROGEN	.1 MG/L		U				0 MG/L		-						
INORGANICS															
ALUMINUM										.232 MG/L		-	.06 MG/L		U
ANTIMONY										.0157 MG/L		U	.0157 MG/L		U
ARSENIC				.003 MG/L		UJ				.0023 MG/L		-	.002 MG/L		U
BARIUM				.056 MG/L		J				.0555 MG/L		-	.0531 MG/L		-
BERYLLIUM										.00066 MG/L		U	.00074 MG/L		U
CADMIUM				.005 MG/L		UJ				.0012 MG/L		U	.0012 MG/L		U
CALCIUM				150 MG/L		J				146 MG/L		-	144 MG/L		-
CHROMIUM				.03 MG/L		J				.0066 MG/L		U	.0092 MG/L		U
COBALT										.0055 MG/L		U	.0034 MG/L		U
COPPER				.01 MG/L		J				.0028 MG/L		U	.0024 MG/L		U
CYANIDE	.01 MG/L		UNV							.01 MG/L		U	.01 MG/L		U
IRON				1.3 MG/L		J				3.95 MG/L		-	2.88 MG/L		-
LEAD										.001 MG/L		U	.001 MG/L		U
MAGNESIUM				42 MG/L		J				44.6 MG/L		-	43.9 MG/L		
MANGANESE				.091 MG/L		J				.0763 MG/L		-	.0686 MG/L		
MERCURY				.0002 MG/L		UJ				.0002 MG/L		U	.0002 MG/L		

SAMPLE NUMBER:	003169			003915			003915			120225			120225F		
LAB:	IT			IT			IT			DATACHEM			DATACHEM		
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		J									
NICKEL				.03 MG/L		UJ				.0127 MG/L		U	.0097 MG/L		U
POTASSIUM				1 MG/L		J				1.3 MG/L		U	1.3 MG/L		U
SELENIUM				.005 MG/L		UJ				.001 MG/L		UJ	.001 MG/L		UJ
SILVER				.01 MG/L		UJ				.0029 MG/L		UJ	.0029 MG/L		UJ
SODIUM				16 MG/L		J				11.7 MG/L		-	11.5 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.0029 MG/L		U	.0029 MG/L		U
ZINC										.004 MG/L		U	.0101 MG/L		U
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												
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												

SAMPLE NUMBER:	003169			003915			003915			120225			120225F		
LAB:	IT			IT			IT			DATACHEM			DATACHEM		
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 EPOXIDE	.05 UG/L		UJ												
METHOXYCHLOR	.5 UG/L		UJ												
TOXAPHENE	.5 UG/L		UJ												
RADIONUCLIDES															
URANIUM-238	1.4 PCI/L	.5	-				1 PCI/L		U						
URANIUM, TOTAL	5 UG/L	1	-				2 UG/L	1	-						
URANIUM-234	1.9 PCI/L	.6	-				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						
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		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		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		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												

SAMPLE NUMBER:	003169			003915			003915			120225			120225F		
LAB:	IT			IT			IT			DATACHEM			DATACHEM		
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-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												
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				.01 MG/L		-	.002 MG/L		U			
PYRENE	10 UG/L		UJ												

VOLATILES

1,1,1-TRICHLOROETHANE 5 UG/L UJ 10 UG/L U

09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003169			003915			003915			120225			120225F		
LAB:	IT			IT			IT			DATACHEM			DATACHEM		
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	5 UG/L		UJ							10 UG/L		U			
1,1,2-TRICHLOROETHANE	5 UG/L		UJ							10 UG/L		U			
1,1-DICHLOROETHANE	5 UG/L		UJ							10 UG/L		U			
1,1-DICHLOROETHENE	5 UG/L		UJ							10 UG/L		U			
1,2-DICHLOROETHANE	5 UG/L		UJ							10 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		UJ							10 UG/L		U			
1,2-DICHLOROPROPANE	5 UG/L		UJ							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		UJ							10 UG/L		U			
ACETONE	10 UG/L		UJ							10 UG/L		U			
BENZENE	5 UG/L		UJ							10 UG/L		U			
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	10 UG/L		UJ							10 UG/L		U			
CHLOROFORM	5 UG/L		UJ							10 UG/L		U			
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			
METHYLENE CHLORIDE	5 UG/L		UJ							10 UG/L		U			
STYRENE	5 UG/L		UJ							10 UG/L		U			
TETRACHLOROETHENE	5 UG/L		UJ							10 UG/L		U			
TOLUENE	5 UG/L		UJ							10 UG/L		U			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UJ							10 UG/L		U			
TRICHLOROETHENE	5 UG/L		UJ							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	5 UG/L		UJ							10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120227			120227F			120228			120228F			EMGW_SYSGEN_6		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			GWMON		
LAB:	FERMCO			FERMCO			CORE			CORE			IT		
WELL OR BORING NUMBER:	1010			1010			1010			1010			1010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JUN-93			16-JUN-93			16-JUN-93			16-JUN-93			18-MAY-90		
NORTH COORDINATE:	481452.64			481452.64			481452.64			481452.64			481452.64		
EAST COORDINATE:	1379690.67			1379690.67			1379690.67			1379690.67			1379690.67		
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							.3 PCI/L	.2	J	.2 PCI/L	.2	UJ	.28 PCI/L		NV
URANIUM, TOTAL	.7 UG/L		NV	.6 UG/L		NV	.4 UG/L	.1	-	.9 UG/L	.1	-	1.12 UG/L		NV
URANIUM-234							.4 PCI/L	.2	J	.3 PCI/L	.3	J	.471 PCI/L		NV
THORIUM-230							.4 PCI/L	.3	J	.3 PCI/L	.2	UJ	.32 PCI/L		UNV
RADIUM-226							2 PCI/L	.5	J	1.9 PCI/L	.5	J	1 PCI/L		UNV
URANIUM-235/236							.2 PCI/L	.5	UJ	.2 PCI/L	.2	UJ	.2 PCI/L		UNV
THORIUM-232							.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ	.32 PCI/L		UNV
THORIUM, TOTAL										.912 PCI/L	.3	NV	2.9 UG/L		UNV
RADIUM-228							3 PCI/L	1.1	U	9 PCI/L	1.8	-	3 PCI/L		UNV
THORIUM-228							.2 PCI/L	.7	UJ	.2 PCI/L	.8	UJ	.32 PCI/L		UNV
TECHNETIUM-99							15 PCI/L	5.7	UJ	15 PCI/L	8.2	U			
GROSS ALPHA							4.9 PCI/L	2.8	UNV	2.8 PCI/L	1.8	UNV	15.5 PCI/L		NV
GROSS BETA							3.7 PCI/L	3.7	UNV	3.6 PCI/L	2.4	UNV	22 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_6			EMGW_SYSGEN_10			EMGW_SYSGEN_10			EMGW_SYSGEN_9			EMGW_SYSGEN_7		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1010			1010			1010			1010			1010		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-MAY-90			20-DEC-90			20-DEC-90			20-SEP-90			27-JUN-90		
NORTH COORDINATE:	481452.64			481452.64			481452.64			481452.64			481452.64		
EAST COORDINATE:	1379690.67			1379690.67			1379690.67			1379690.67			1379690.67		
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							415 MG/L		NV	402 MG/L		NV			
AMMONIA							.12 MG/L		NV						
CHLORIDE	20 MG/L		NV				18 MG/L		NV	20 MG/L		NV			
FLUORIDE							.31 MG/L		NV	.31 MG/L		NV			
NITRATE, AS NITROGEN	.02 MG/L		NV							.09 MG/L		NV			
NITRATE/NITRITE							.02 MG/L		UNV						
PH							7.07 SU		NV	7.15 SU		NV			
PHENOLS							.005 MG/L		UNV	.005 MG/L		UNV			
PHOSPHORUS							.14 MG/L		NV						
SPECIFIC CONDUCTIVITY							961 UMHOS/CM		NV	913 UMHOS/CM		NV			
SULFATE	108 MG/L		NV				78 MG/L		NV	100 MG/L		NV			
TOTAL DISSOLVED SOLIDS							630 MG/L		NV	635 MG/L		NV			
TOTAL ORGANIC CARBON	14 MG/L		NV				6 MG/L		NV	8 MG/L		NV			
TOTAL ORGANIC HALOGENS	.028 MG/L		NV				.01 MG/L		UNV	.048 MG/L		NV			
INORGANICS															
CYANIDE							.005 MG/L		UNV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV	1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				.356 PCI/L		NV							.23 PCI/L		UNV
URANIUM, TOTAL				.848 UG/L		NV							1 UG/L		UNV
URANIUM-234				.606 PCI/L		NV							.366 PCI/L		NV
THORIUM-230				.4 PCI/L		UNV							.21 PCI/L		UNV
RADIUM-226				1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236				.2 PCI/L		UNV							.23 PCI/L		UNV
THORIUM-232				.4 PCI/L		UNV							.318 PCI/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_6			EMGW_SYSGEN_10			EMGW_SYSGEN_10			EMGW_SYSGEN_9			EMGW_SYSGEN_7		
LAB:	NET			IT			NET			NET			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, TOTAL				3.6 UG/L		UNV							2.87 UG/L		NV
RADIUM-228				3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228				.948 PCI/L		NV							1.16 PCI/L		NV
GROSS ALPHA				8.4 PCI/L		UNV							17 PCI/L		UNV
GROSS BETA				9.2 PCI/L		UNV							9.4 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 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	1 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	1 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	1 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	1 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_7			EMGW_SYSGEN_11			004056			EMGW_SYSGEN_13			EMGW_SYSGEN_13		
TASK:	GWMON			GWMON			3.2.4			GWMON			GWMON		
LAB:	NET			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1010			1011			1011			1011			1011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-JUN-90			01-MAR-90			02-APR-89			02-JUL-90			02-JUL-90		
NORTH COORDINATE:	481452.64			482247.85			482247.85			482247.85			482247.85		
EAST COORDINATE:	1379690.67			1377960.96			1377960.96			1377960.96			1377960.96		
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															
CHLORIDE	19 MG/L		NV										23 MG/L		NV
NITRATE, AS NITROGEN	.02 MG/L		UNV										.02 MG/L		UNV
SULFATE	103 MG/L		NV										139 MG/L		NV
TOTAL ORGANIC CARBON	3 MG/L		NV										6 MG/L		NV
TOTAL ORGANIC HALIDES							.1404 MG/L								
TOTAL ORGANIC HALOGENS	.021 MG/L		NV										.063 MG/L		NV
RADIONUCLIDES															
URANIUM-238				1.48 PCI/L	.42	NV				8.88 PCI/L		NV			
URANIUM, TOTAL				4 UG/L		NV				26.6 UG/L		NV			
URANIUM-234				.92 PCI/L	.33	NV				4.84 PCI/L		NV			
THORIUM-230										1.72 PCI/L		NV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.43 PCI/L		NV			
THORIUM-232										1.2 PCI/L		UNV			
THORIUM, TOTAL										10 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										1.81 PCI/L		NV			
GROSS ALPHA										19 PCI/L		UNV			
GROSS BETA										9.5 PCI/L		UNV			
URANIUM-235				1 PCI/L		UNV				.43 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

SAMPLE NUMBER:	EMGW_SYSGEN_7			EMGW_SYSGEN_11			004056			EMGW_SYSGEN_13			EMGW_SYSGEN_13		
LAB:	NET			IT			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															
1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_14			EMGW_SYSGEN_14			EMGW_SYSGEN_15			EMGW_SYSGEN_15			003350		
TASK:	GWMON			GWMON			GWMON			GWMON			3.2.4		
LAB:	IT			NET			IT			NET			IT		
WELL OR BORING NUMBER:	1011			1011			1011			1011			1011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JAN-91			07-JAN-91			12-MAR-91			12-MAR-91			13-JUL-88		
NORTH COORDINATE:	482247.85			482247.85			482247.85			482247.85			482247.85		
EAST COORDINATE:	1377960.96			1377960.96			1377960.96			1377960.96			1377960.96		
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				621 MG/L		NV				647 MG/L		NV			
AMMONIA				.49 MG/L		NV				.42 MG/L		NV			
CHLORIDE				11 MG/L		NV				10 MG/L		NV			
FLUORIDE				.32 MG/L		NV				.28 MG/L		NV			
NITRATE, AS NITROGEN										.07 MG/L		NV			
NITRATE/NITRITE				.02 MG/L		UNV									
PH				6.81 SU		NV				6.86 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				1.37 MG/L		NV				.67 MG/L		NV			
SPECIFIC CONDUCTIVITY				1210 UMHOS/CM		NV				1250 UMHOS/CM		NV			
SULFATE				183 MG/L		NV				181 MG/L		NV			
TOTAL DISSOLVED SOLIDS				880 MG/L		NV				730 MG/L		NV			
TOTAL ORGANIC CARBON				10 MG/L		NV				12 MG/L		NV			
TOTAL ORGANIC HALOGENS				.155 MG/L		NV				.127 MG/L		NV			
INORGANICS															
ALUMINUM										.5 MG/L		UNV			
ANTIMONY										.025 MG/L		UNV			
ARSENIC										.036 MG/L		NV	.2 MG/L		U
BARIUM										.406 MG/L		NV	.135 MG/L		-
BERYLLIUM										.01 MG/L		UNV			
CADMIUM										.001 MG/L		UNV	.002 MG/L		U
CALCIUM										157 MG/L		NV	168 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
CYANIDE				.005 MG/L		UNV				.005 MG/L		UNV			
IRON										31.4 MG/L		NV	1.299 MG/L		-
LEAD										.005 MG/L		UNV	.05 MG/L		U
MAGNESIUM										85 MG/L		NV	70.32 MG/L		-
MANGANESE										1.86 MG/L		NV	1.225 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_14			EMGW_SYSGEN_14			EMGW_SYSGEN_15			EMGW_SYSGEN_15			003350		
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															
MERCURY										.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM										.025 MG/L		UNV	.02 MG/L		U
NICKEL										.007 MG/L		NV	.02 MG/L		U
POTASSIUM										1 MG/L		UNV	.643 MG/L		-
SELENIUM										.0025 MG/L		UNV	.2 MG/L		U
SILVER										.001 MG/L		UNV	.01 MG/L		R
SODIUM										7.1 MG/L		NV	5.16 MG/L		-
THALLIUM										.01 MG/L		UNV			
VANADIUM										.05 MG/L		UNV			
ZINC										.02 MG/L		UNV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	2.65 PCI/L		NV				.793 PCI/L		NV						
URANIUM, TOTAL	3.16 UG/L		NV				2.5 UG/L		NV						
URANIUM-234	2.02 PCI/L		NV				.558 PCI/L		NV						
THORIUM-230	.67 PCI/L		UNV				.27 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	.67 PCI/L		UNV				.27 PCI/L		UNV						
THORIUM, TOTAL	6 UG/L		UNV				2.5 UG/L		UNV						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV						
THORIUM-228	1.2 PCI/L		NV				1.4 PCI/L		NV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							28 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							7.2 PCI/L		UNV						
GROSS ALPHA	14 PCI/L		UNV				10 PCI/L		UNV						
GROSS BETA	13 PCI/L		UNV				6 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			

SAMPLE NUMBER:	EMGW_SYSGEN_14			EMGW_SYSGEN_14			EMGW_SYSGEN_15			EMGW_SYSGEN_15			003350		
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				4.8 UG/L		NV				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 1 WELLS

SAMPLE NUMBER:	003350	066818	120262	120262	120263
TASK:	3.2.4	9.27	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	CORE
WELL OR BORING NUMBER:	1011	1011	1011	1011	1011
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JUL-88	14-DEC-89	16-JUL-93	16-JUL-93	16-JUL-93
NORTH COORDINATE:	482247.85	482247.85	482247.85	482247.85	482247.85
EAST COORDINATE:	1377960.96	1377960.96	1377960.96	1377960.96	1377960.96
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										690 MG/L		-			
AMMONIA	.1 MG/L		U							2.2 MG/L		-			
CHLORIDE	4 MG/L		-							10 MG/L		-			
FLUORIDE	.4 MG/L		-							.4 MG/L		-			
NITRATE	.1 MG/L		U							.77 MG/L		-			
NITRATE/NITRITE										.77 MG/L		-			
PHENOLS	.01 MG/L		U							.002 MG/L		U			
PHOSPHORUS	.18 MG/L		-							.36 MG/L		-			
SULFATE	41 MG/L		-							94 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN										2.5 MG/L		-			
TOTAL ORGANIC CARBON										9 MG/L		-			
TOTAL ORGANIC HALIDES										.11 MG/L		-			
TOTAL ORGANIC NITROGEN	.1 MG/L		U							.3 MG/L		-			
INORGANICS															
ALUMINUM							.06 MG/L		U	.118 MG/L		-			
ANTIMONY							.0157 MG/L		U	.0157 MG/L		U			
ARSENIC							.0024 MG/L		-	.006 MG/L		-			
BARIUM							.126 MG/L		-	.148 MG/L		-			
BERYLLIUM							.0003 MG/L		U	.0003 MG/L		U			
CADMIUM							.0012 MG/L		U	.0012 MG/L		U			
CALCIUM							189 MG/L		-	185 MG/L		-			
CHROMIUM							.009 MG/L		U	.0065 MG/L		U			
COBALT							.0037 MG/L		U	.0034 MG/L		U			
COPPER							.0024 MG/L		U	.0033 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							21.3 MG/L		-	27.2 MG/L		-			
LEAD							.001 MG/L		UJ	.001 MG/L		UJ			
MAGNESIUM							78.9 MG/L		-	75.6 MG/L		-			
MANGANESE							1.3 MG/L		-	1.2 MG/L		-			

SAMPLE NUMBER:	003350			066818			120262			120262			120263		
LAB:	IT			IT			DATACHEM			DATACHEM			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															
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0255 MG/L		-	.0233 MG/L		-			
POTASSIUM							.577 MG/L		-	.859 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILVER							.0029 MG/L		UJ	.0029 MG/L		UJ			
SODIUM							9.14 MG/L		-	8.89 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM							.0029 MG/L		U	.0029 MG/L		U			
ZINC							.004 MG/L		U	.004 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ	18.5 PCI/L	2.4	-							15.6 PCI/L	1.7	-
URANIUM, TOTAL	1 UG/L		U	80 UG/L	11.9	-							44.7 UG/L	3.1	-
URANIUM-234	1 PCI/L		UJ	11.1 PCI/L	1.5	-							8.6 PCI/L	3.1	-
THORIUM-230	1 PCI/L		UJ	1 PCI/L		U							.7 PCI/L	.4	R
RADIUM-226	1 PCI/L		U										1 PCI/L	.2	U
URANIUM-235/236	1 PCI/L		UJ	1 PCI/L		U							.5 PCI/L	.3	-
THORIUM-232	1 PCI/L		UJ										.4 PCI/L	.3	R
THORIUM, TOTAL	5 UG/L		UJ												
RADIUM-228	3.1 PCI/L	1.3	J										3 PCI/L	1.3	U
THORIUM-228	1 PCI/L		UJ	1 PCI/L		U							.2 PCI/L	.2	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		U												
TECHNETIUM-99	30 PCI/L		UJ	30 PCI/L		U							15 PCI/L	7.5	U
RUTHENIUM-106	150 PCI/L		R												
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		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										27 UG/L		-			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										10 UG/L		U			

SAMPLE NUMBER:	003350			066818			120262			120262			120263		
LAB:	IT			IT			DATACHEM			DATACHEM			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															
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:	120263F			120265			120265F			003056			003056		
TASK:	50.03.23			50.03.23			50.03.23			3.2.4			3.2.4		
LAB:	CORE			FERMCO			FERMCO			IT			IT		
WELL OR BORING NUMBER:	1011			1011			1011			1011			1011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JUL-93			16-JUL-93			16-JUL-93			20-MAR-88			20-MAR-88		
NORTH COORDINATE:	482247.85			482247.85			482247.85			482247.85			482247.85		
EAST COORDINATE:	1377960.96			1377960.96			1377960.96			1377960.96			1377960.96		
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															
CHLORIDE													14 MG/L		-
FLUORIDE													1.9 MG/L		-
HEXAVALENT CHROMIUM													.02 MG/L		U
NITRATE													5 MG/L		U
PH													6.89 SU		-
PHENOLS													.01 MG/L		-
SPECIFIC CONDUCTIVITY													1098 UMHOS/CM		-
SULFATE													80 MG/L		-
INORGANICS															
ARSENIC										.03 MG/L		U			
BARIUM										.15 MG/L		-			
CADMIUM										.005 MG/L		U			
CHROMIUM										.01 MG/L		U			
COPPER										.01 MG/L		-			
IRON										16.4 MG/L		-			
LEAD										.03 MG/L		U			
MANGANESE										1.7 MG/L		-			
MERCURY										.001 MG/L		U			
MOLYBDENUM										.01 MG/L		U			
NICKEL										.03 MG/L		-			
SELENIUM										.06 MG/L		U			
SILVER										.005 MG/L		U			
SODIUM										5.3 MG/L		-			
RADIONUCLIDES															
URANIUM-238													1 PCI/L		U
URANIUM, TOTAL	40.9 UG/L	2.9	-	45 UG/L		UNV	45 UG/L		UNV				1 UG/L		U
URANIUM-234													1 PCI/L		U
THORIUM-230	.2 PCI/L	.2	UJ										1 PCI/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120263F			120265			120265F			003056			003056		
LAB:	CORE			FERMCO			FERMCO			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)
RADIONUCLIDES															
RADIUM-226	1 PCI/L	.2	UJ										1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232	.2 PCI/L	.1	UJ										1 PCI/L		U
RADIUM-228	3 PCI/L	1	UJ										3 PCI/L		U
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		U
TECHNETIUM-99	15 PCI/L	13.8	UJ										30 PCI/L		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003857			003857			003630			003630			EMGW_SYSGEN_12		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1011			1011			1011			1011			1011		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JAN-89			22-JAN-89			23-OCT-88			23-OCT-88			29-MAY-90		
NORTH COORDINATE:	482247.85			482247.85			482247.85			482247.85			482247.85		
EAST COORDINATE:	1377960.96			1377960.96			1377960.96			1377960.96			1377960.96		
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				.5 MG/L		-				.1 MG/L		-			
CHLORIDE				12 MG/L		-				10 MG/L		-			
FLUORIDE				.3 MG/L		-				.47 MG/L		-			
NITRATE				2.4 MG/L		J				.1 MG/L		UJ			
PHENOLS				.01 MG/L		U				.03 MG/L		J			
PHOSPHORUS				.8 MG/L		-				.122 MG/L		-			
SULFATE				74 MG/L		-				63 MG/L		J			
TOTAL KJELDAHL NITROGEN				4.7 MG/L		-				.68 MG/L		-			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN				4.2 MG/L		-				.58 MG/L		-			
INORGANICS															
ARSENIC	.025 MG/L		-				.002 MG/L		U						
BARIUM	.209 MG/L		-				.153 MG/L		-						
CADMIUM	.015 MG/L		-				.002 MG/L		U						
CALCIUM	194 MG/L		-				186 MG/L		-						
CHROMIUM	.04 MG/L		-				.02 MG/L		U						
COPPER	.02 MG/L		-				.01 MG/L		U						
IRON	27 MG/L		-				.259 MG/L		-						
LEAD	.002 MG/L		UJ				.005 MG/L		J						
MAGNESIUM	75 MG/L		-				71.5 MG/L		-						
MANGANESE	1.95 MG/L		-				1.11 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ						
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U						
NICKEL	.054 MG/L		-				.02 MG/L		U						
POTASSIUM	.565 MG/L		-				1.15 MG/L		-						
SELENIUM	.002 MG/L		U				.002 MG/L		UJ						
SILVER	.0005 MG/L		U				.0005 MG/L		U						
SODIUM	10.8 MG/L		-				7.16 MG/L		-						

RADIONUCLIDES															
URANIUM-238				9.6 PCI/L	1.4	-				1 PCI/L		R	.21 PCI/L		UNV
09/30/94															

SAMPLE NUMBER:	003857			003857			003630			003630			EMGW_SYSGEN_12		
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)
RADIONUCLIDES															
URANIUM, TOTAL				25 UG/L	4	-				1 UG/L		R	.73 UG/L		UNV
URANIUM-234				5.7 PCI/L	.9	-				1 PCI/L		R	.21 PCI/L		UNV
THORIUM-230				1 PCI/L		U				1 PCI/L		R	.941 PCI/L		NV
RADIUM-226				1 PCI/L		U				1 PCI/L		R	1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U				1 PCI/L		R	.21 PCI/L		UNV
THORIUM-232				1 PCI/L		U				1 PCI/L		R	.66 PCI/L		UNV
THORIUM, TOTAL				7 UG/L		UJ				4 UG/L		R	6 UG/L		UNV
RADIUM-228				3.1 PCI/L		UJ				3 PCI/L		R	3 PCI/L		UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		R	1.59 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		U				1 PCI/L		R			
PLUTONIUM-239/240				1 PCI/L		UJ				1 PCI/L		R			
PLUTONIUM-238				1 PCI/L		UJ				1 PCI/L		R			
STRONTIUM-90				5 PCI/L		U				5 PCI/L		R			
TECHNETIUM-99				30.9 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			
GROSS ALPHA													1490 PCI/L		NV
GROSS BETA													2150 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_12			003655			003655			003081			003081		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1011			1012			1012			1012			1012		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-MAY-90			04-NOV-88			04-NOV-88			06-APR-88			06-APR-88		
NORTH COORDINATE:	482247.85			483703.23			483703.23			483703.23			483703.23		
EAST COORDINATE:	1377960.96			1380912.78			1380912.78			1380912.78			1380912.78		
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							1.67 MG/L		-				1.5 MG/L		NV
CHLORIDE	10 MG/L		NV				115 MG/L		-				100 MG/L		NV
FLUORIDE							.64 MG/L		J				2.1 MG/L		NV
NITRATE	.02 MG/L		UNV				.1 MG/L		UJ				5 MG/L		UNV
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PHENOLS							.01 MG/L		U				.01 MG/L		UNV
PHOSPHATE													.01 MG/L		UNV
PHOSPHORUS							.02 MG/L		U						
SULFATE	108 MG/L		NV				155 MG/L		-				2 MG/L		UNV
TOTAL KJELDAHL NITROGEN							1.71 MG/L		J						
TOTAL ORGANIC CARBON	70 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.013 MG/L		NV												
TOTAL ORGANIC NITROGEN							.1 MG/L		U				.3 MG/L		NV
INORGANICS															
ARSENIC				.002 MG/L		U				.03 MG/L		UNV			
BARIUM				.07 MG/L		-				.11 MG/L		NV			
CADMIUM				.002 MG/L		U				.005 MG/L		UNV			
CALCIUM				19.6 MG/L		-				86.8 MG/L		NV			
CHROMIUM				.02 MG/L		U				.01 MG/L		UNV			
COPPER				.01 MG/L		U				.01 MG/L		UNV			
IRON				.06 MG/L		-				.12 MG/L		NV			
LEAD				.01 MG/L		UJ				.03 MG/L		UNV			
MAGNESIUM				7.8 MG/L		-				7.1 MG/L		NV			
MANGANESE				.007 MG/L		-				.005 MG/L		NV			
MERCURY				.0002 MG/L		U				.001 MG/L		UNV			
MOLYBDENUM				.02 MG/L		U				.01 MG/L		UNV			
NICKEL				.02 MG/L		U				.02 MG/L		UNV			
POTASSIUM				10.1 MG/L		J				8 MG/L		NV			
SELENIUM				.003 MG/L		J				.001 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_12			003655			003655			003081			003081		
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															
SILVER				.01 MG/L		U				.005 MG/L		UNV			
SODIUM				238 MG/L		-				212 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							1.2 PCI/L	.5	-				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							2 UG/L		U						
RADIUM-228							3 PCI/L		U				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						
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												
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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_12			003655			003655			003081			003081		
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															
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:	003051			003051			003488			003488			003853		
TASK:	9.8			9.8			3.2.4			3.2.4			3.2.4		
LAB:	WMCO			WMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1012			1012			1012			1012			1012		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-DEC-87			07-DEC-87			23-JAN-89			23-JAN-89			23-JAN-89		
NORTH COORDINATE:	483703.23			483703.23			483703.23			483703.23			483703.23		
EAST COORDINATE:	1380912.78			1380912.78			1380912.78			1380912.78			1380912.78		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			NORMAL		
QC OF:							003853			003853					
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		J			
CHEMICAL OXYGEN DEMAND				10 MG/L		UNV									
CHLORIDE				110 MG/L		NV				116 MG/L		J			
FLUORIDE				.76 MG/L		NV				.84 MG/L		J			
HEXAVALENT CHROMIUM				.005 MG/L		UNV									
NITRATE				.02 MG/L		UNV				.1 MG/L		R			
PHENOLS				.005 MG/L		UNV				.01 MG/L		U			
PHOSPHORUS				.02 MG/L		UNV									
SULFATE				4 MG/L		NV				2 MG/L		U			
TOTAL DISSOLVED SOLIDS	642 MG/L		NV												
TOTAL KJELDAHL NITROGEN										1.32 MG/L		J			
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.016 MG/L		-			
TOTAL ORGANIC NITROGEN										.32 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		UJ				.002 MG/L		UJ
BARIUM	.2 MG/L		UNV				.071 MG/L		J				.06 MG/L		J
CADMIUM	.001 MG/L		UNV				.002 MG/L		UJ				.002 MG/L		UJ
CALCIUM	17.6 MG/L		NV				21.4 MG/L		-				16.4 MG/L		J
CHROMIUM	.005 MG/L		UNV				.01 MG/L		UJ				.01 MG/L		UJ
COPPER	.025 MG/L		UNV				.01 MG/L		UJ				.01 MG/L		UJ
CYANIDE				.005 MG/L		UNV									
IRON	.064 MG/L		NV				.088 MG/L		J				.074 MG/L		J
LEAD	.005 MG/L		UNV				.002 MG/L		UJ				.002 MG/L		UJ
MAGNESIUM	43 MG/L		NV				8.39 MG/L		J				6.39 MG/L		J

SAMPLE NUMBER:	003051			003051			003488			003488			003853		
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															
MANGANESE	.015 MG/L		UNV				.01 MG/L		J				.008 MG/L		J
MERCURY	.0002 MG/L		UNV				.0006 MG/L		J				.001 MG/L		J
MOLYBDENUM							.02 MG/L		UJ				.02 MG/L		UJ
NICKEL	.005 MG/L		UNV				.02 MG/L		UJ				.02 MG/L		UJ
POTASSIUM	12.2 MG/L		NV				10.9 MG/L		-				10.9 MG/L		J
SELENIUM	.0025 MG/L		UNV				.002 MG/L		UJ				.002 MG/L		UJ
SILVER	.03 MG/L		UNV				.0005 MG/L		UJ				.0005 MG/L		UJ
SODIUM	226 MG/L		NV				194 MG/L		-				220 MG/L		J
ZINC	.02 MG/L		UNV												
No sort code listed.															
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		U			
URANIUM, TOTAL										.8 UG/L	.1	-			
URANIUM-234										1 PCI/L		U			
THORIUM-230										1.2 PCI/L		U			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1.2 PCI/L		U			
THORIUM, TOTAL										10 UG/L		U			
RADIUM-228										3.3 PCI/L		U			
THORIUM-228										1.2 PCI/L		U			
NEPTUNIUM-237										1 PCI/L		U			

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SAMPLE NUMBER:	003051			003051			003488			003488			003853		
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															
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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003853			003425			003425			003666			003666		
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:	1012			1012			1012			1018			1018		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-JAN-89			25-JUL-88			25-JUL-88			02-NOV-88			02-NOV-88		
NORTH COORDINATE:	483703.23			483703.23			483703.23			479450.19			479450.19		
EAST COORDINATE:	1380912.78			1380912.78			1380912.78			1378661.75			1378661.75		
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															
AMMONIA	1.45 MG/L		J				1 MG/L		-				.1 MG/L		U
CHLORIDE	104 MG/L		J				135 MG/L		-				2.3 MG/L		-
FLUORIDE	.76 MG/L		J				1.3 MG/L		-				.5 MG/L		U
NITRATE	.11 MG/L		J				.06 MG/L		J				.15 MG/L		J
PHENOLS	.01 MG/L		UJ				.002 MG/L		U				.01 MG/L		U
PHOSPHORUS							.1 MG/L		-				.024 MG/L		-
SULFATE	2 MG/L		U				1 MG/L		U				114 MG/L		J
TOTAL KJELDAHL NITROGEN	1.47 MG/L		J										.13 MG/L		-
TOTAL ORGANIC HALIDES	.014 MG/L		-										.05 MG/L		U
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ				.43 MG/L		J				.13 MG/L		J
INORGANICS															
ARSENIC				.01 MG/L		U				.002 MG/L		U			
BARIUM				.5 MG/L		U				.04 MG/L		-			
CADMIUM				.005 MG/L		U				.002 MG/L		U			
CALCIUM				16 MG/L		-				74.1 MG/L		-			
CHROMIUM				.01 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.1 MG/L		U				.04 MG/L		-			
LEAD				.005 MG/L		U				.005 MG/L		UJ			
MAGNESIUM				6 MG/L		-				25.9 MG/L		-			
MANGANESE				.01 MG/L		U				.1 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.05 MG/L		U				.02 MG/L		U			
NICKEL				.03 MG/L		U				.02 MG/L		U			
POTASSIUM				10 MG/L		-				.577 MG/L		U			
SELENIUM				.005 MG/L		UJ				.002 MG/L		UJ			
SILVER				.01 MG/L		U				.01 MG/L		U			
SODIUM				340 MG/L		-				3.9 MG/L		-			

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RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1.4 PCI/L	.4	J

SAMPLE NUMBER:	003853			003425			003425			003666			003666		
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	2.1 UG/L	.3	-				1 UG/L		U				3 UG/L	1	-
URANIUM-234	1 PCI/L		U				1 PCI/L		U				1.8 PCI/L	.4	J
THORIUM-230	1 PCI/L		U				1 PCI/L		U				1 PCI/L		UJ
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		UJ
THORIUM-232	1 PCI/L		U				1 PCI/L		U				1 PCI/L		UJ
THORIUM, TOTAL	11 UG/L		U				2 UG/L		U				2 UG/L		UJ
RADIUM-228	3 PCI/L		U				1.2 PCI/L	1	R				3 PCI/L		UJ
THORIUM-228	1 PCI/L		U				1 PCI/L		U				1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				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		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 1 WELLS

SAMPLE NUMBER:	066820			003138			003138			EMGW_SYSGEN_18			EMGW_SYSGEN_18		
TASK:	9.27			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1018			1018			1018			1018			1018		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-JAN-90			14-APR-88			14-APR-88			16-APR-90			16-APR-90		
NORTH COORDINATE:	479450.19			479450.19			479450.19			479450.19			479450.19		
EAST COORDINATE:	1378661.75			1378661.75			1378661.75			1378661.75			1378661.75		
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							.5 MG/L		J				6 MG/L		NV
FLUORIDE							.36 MG/L		-						
NITRATE							.1 MG/L		UJ				.06 MG/L		NV
NITRATE, AS NITROGEN													.06 MG/L		NV
PHENOLS							.04 MG/L		-						
PHOSPHORUS							.05 MG/L		UJ						
SULFATE							11 MG/L		J				53 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.2 MG/L		-						
INORGANICS															
ARSENIC				.2 MG/L		UJ									
BARIUM				.035 MG/L		J									
CADMIUM				.005 MG/L		UJ									
CALCIUM				78.3 MG/L		J									
CHROMIUM				.02 MG/L		UJ									
COPPER				.01 MG/L		UJ									
IRON				.005 MG/L		UJ									
LEAD				.05 MG/L		UJ									
MAGNESIUM				27.5 MG/L		J									
MANGANESE				.093 MG/L		J									
MERCURY				.0002 MG/L		UJ									
MOLYBDENUM				.02 MG/L		UJ									
NICKEL				.02 MG/L		UJ									
POTASSIUM				.67 MG/L		J									
SELENIUM				.2 MG/L		UJ									
SILVER				.01 MG/L		UJ									
SODIUM				3.82 MG/L		J									

000231

No sort code listed.

TRANS-1,2-DICHLOROETHENE
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066820			003138			003138			EMGW_SYSGEN_18			EMGW_SYSGEN_18		
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)
RADIONUCLIDES															
URANIUM-238	2.14 PCI/L	.43	-				1.3 PCI/L	.5	NV	1.01 PCI/L		NV			
URANIUM, TOTAL	6.56 UG/L	.71	J				5 UG/L	1	NV	3.05 UG/L		NV			
URANIUM-234	1.89 PCI/L	.4	R				1.8 PCI/L	.5	NV	1.09 PCI/L		NV			
THORIUM-230	1 PCI/L		U				1 PCI/L		NV	.405 PCI/L		NV			
RADIUM-226							1 PCI/L		UNV	1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U				1 PCI/L		NV	.22 PCI/L		UNV			
THORIUM-232							1 PCI/L		NV	.29 PCI/L		UNV			
THORIUM, TOTAL							9.1201716 PCI/L		NV	2.6 UG/L		UNV			
RADIUM-228							3 PCI/L		UNV	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U				1 PCI/L		NV	.29 PCI/L		UNV			
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		U				30 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							20 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
1,1,2,2-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

SAMPLE NUMBER:	066820			003138			003138			EMGW_SYSGEN_18			EMGW_SYSGEN_18		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_19			003858			003858			003382			003382		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1018			1018			1018			1018			1018		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-OCT-90			22-JAN-89			22-JAN-89			27-JUL-88			27-JUL-88		
NORTH COORDINATE:	479450.19			479450.19			479450.19			479450.19			479450.19		
EAST COORDINATE:	1378661.75			1378661.75			1378661.75			1378661.75			1378661.75		
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	270 MG/L		NV												
AMMONIA	.02 MG/L		UNV				.1 MG/L		U				.1 MG/L		UJ
CHLORIDE	3 MG/L		NV				2.2 MG/L		U				2.4 MG/L		J
FLUORIDE	.41 MG/L		NV				.3 MG/L		-				1 MG/L		R
NITRATE	.06 MG/L		NV				.05 MG/L		R				.1 MG/L		R
NITRATE/NITRITE	.06 MG/L		NV												
PH	6.95 SU		NV				.01 MG/L		U				.05 MG/L		U
PHENOLS	.005 MG/L		UNV				.01 MG/L		U				.05 MG/L		U
PHOSPHORUS	.21 MG/L		NV				.1 MG/L		-				.11 MG/L		R
SPECIFIC CONDUCTIVITY	635 UMHOS/CM		NV												
SULFATE	72 MG/L		NV				55 MG/L		-				48 MG/L		R
TOTAL DISSOLVED SOLIDS	520 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON	1 MG/L		UNV												
TOTAL ORGANIC HALIDES							.021 MG/L		-						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		U				.1 MG/L		UJ
INORGANICS															
ARSENIC				.002 MG/L		U				.01 MG/L		UJ			
BARIUM				.04 MG/L		-				.2 MG/L		U			
CADMIUM				.005 MG/L		-				.005 MG/L		U			
CALCIUM				81.2 MG/L		-				76 MG/L		J			
CHROMIUM				.019 MG/L		-				.01 MG/L		U			
COPPER				.01 MG/L		U				.025 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON				.067 MG/L		-				.1 MG/L		U			
LEAD				.002 MG/L		UJ				.2 MG/L		U			
MAGNESIUM				29.1 MG/L		-				28 MG/L		-			
MANGANESE				.02 MG/L		-				.09 MG/L		-			
MERCURY				.0002 MG/L		U				.0009 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_19			003858			003858			003382			003382		
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				.05 MG/L		U			
NICKEL				.02 MG/L		U				.04 MG/L		U			
POTASSIUM				.639 MG/L		-				5 MG/L		U			
SELENIUM				.002 MG/L		U				.005 MG/L		U			
SILVER				.0005 MG/L		U				.01 MG/L		UJ			
SODIUM				4.2 MG/L		-				6 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1 PCI/L	.3	-				1.8 PCI/L	.5	-
URANIUM, TOTAL							4 UG/L	1	-				4 UG/L	1	U
URANIUM-234							1.3 PCI/L	.3	-				2.8 PCI/L	.7	-
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				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		U				1 PCI/L		U
PLUTONIUM-239/240							1 PCI/L		UJ				1 PCI/L		R
PLUTONIUM-238							1 PCI/L		UJ				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
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												

SAMPLE NUMBER:	EMGW_SYSGEN_19			003858			003858			003382			003382		
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															
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 1 WELLS

SAMPLE NUMBER:	003748			003748			003748			003748			EMGW_SYSGEN_21		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1019			1019			1019			1019			1019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-DEC-88			04-DEC-88			04-DEC-88			04-DEC-88			04-MAR-91		
NORTH COORDINATE:	481657.56			481657.56			481657.56			481657.56			481657.56		
EAST COORDINATE:	1379094.87			1379094.87			1379094.87			1379094.87			1379094.87		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	F-FIL			NONE-FIL			NONE-UNF			U-UNF			NONE-UNF		
	RESULT	SIGMA	VAL 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							.108 MG/L		-						
CHLORIDE							1160 MG/L		R						
FLUORIDE							.48 MG/L		-						
NITRATE							12.8 MG/L		-						
PHENOLS							.02 MG/L		-						
PHOSPHORUS							.061 MG/L		-						
SULFATE							224 MG/L		-						
TOTAL KJELDAHL NITROGEN							.259 MG/L		-						
TOTAL ORGANIC HALIDES							.21 MG/L		-						
TOTAL ORGANIC NITROGEN							.151 MG/L		-						
INORGANICS															
ARSENIC				.004 MG/L		R									
BARIUM				.195 MG/L		-									
CADMIUM				.002 MG/L		-									
CALCIUM				522 MG/L		-									
CHROMIUM				.02 MG/L		U									
COPPER				.01 MG/L		U									
IRON				1.51 MG/L		J									
LEAD				.003 MG/L		J									
MAGNESIUM				159 MG/L		-									
MANGANESE				1.61 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		UJ									
NICKEL				.02 MG/L		U									
POTASSIUM				1.47 MG/L		-									
SELENIUM				.002 MG/L		R									
SILVER				.02 MG/L		U									
SODIUM				437 MG/L		-									

000237

RADIONUCLIDES															
URANIUM-238 09/30/94	271 PCI/L	42	J							334 PCI/L	58	J	326 PCI/L		NV
SAMPLE NUMBER:	003748			003748			003748			003748			EMGW_SYSGEN_21		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-FIL			NONE-UNF			U-UNF			NONE-UNF		
	RESULT	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	701 UG/L	112	-							818 UG/L	132	-	907 UG/L		NV
URANIUM-234	138 PCI/L	22	J							79.2 PCI/L	14.7	J	79.5 PCI/L		NV
THORIUM-230	1 PCI/L		UJ							1 PCI/L		UJ	.421 PCI/L		NV
RADIUM-226	1 PCI/L		U							1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236	6.8 PCI/L	1.8	J							7.3 PCI/L	2.3	J	8.93 PCI/L		NV
THORIUM-232	1 PCI/L		UJ							1 PCI/L		UJ	.24 PCI/L		UNV
THORIUM, TOTAL	2 UG/L		UJ							4 UG/L		UJ	2.2 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	.293 PCI/L		NV
NEPTUNIUM-237	1 PCI/L		UJ							1 PCI/L		UJ	.5 PCI/L		UNV
PLUTONIUM-239/240	1 PCI/L		UJ							1 PCI/L		UJ	.5 PCI/L		UNV
PLUTONIUM-238	1 PCI/L		UJ							1 PCI/L		UJ	.5 PCI/L		UNV
STRONTIUM-90	5 PCI/L		U							5 PCI/L		U			
TECHNETIUM-99	30 PCI/L		U							30 PCI/L		U	23 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	7.7 PCI/L		UNV
GROSS ALPHA													460 PCI/L		NV
GROSS BETA													426 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_21			EMGW_SYSGEN_21			003149			003149			003149		
TASK:	GWMON			GWMON			3.2.4			3.2.4			3.2.4		
LAB:	NET			NET			IT			IT			IT/MWL		
WELL OR BORING NUMBER:	1019			1019			1019			1019			1019		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-MAR-91			04-MAR-91			04-MAY-88			04-MAY-88			04-MAY-88		
NORTH COORDINATE:	481657.56			481657.56			481657.56			481657.56			481657.56		
EAST COORDINATE:	1379094.87			1379094.87			1379094.87			1379094.87			1379094.87		
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				433 MG/L		NV									
AMMONIA				.08 MG/L		NV				.5 MG/L		U			
CHLORIDE				64 MG/L		NV				305 MG/L		J			
FLUORIDE				.44 MG/L		NV				.6 MG/L		J			
NITRATE				.04 MG/L		NV				.1 MG/L		U			
NITRATE, AS NITROGEN				.04 MG/L		NV									
PH				6.9 SU		NV				10 UG/L		UJ			
PHENOLS				.005 MG/L		UNV				.01 MG/L		UJ			
PHOSPHORUS				.1 MG/L		UNV				.22 MG/L		-			
SPECIFIC CONDUCTIVITY				1230 UMHOS/CM		NV									
SULFATE				250 MG/L		NV				575 MG/L		-			
TOTAL DISSOLVED SOLIDS				808 MG/L		NV									
TOTAL ORGANIC CARBON				20 MG/L		NV									
TOTAL ORGANIC HALOGENS				.088 MG/L		NV									
TOTAL ORGANIC NITROGEN										.5 MG/L		U			
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.79 MG/L		NV	.05 MG/L		U						
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.0005 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	.1 MG/L		-						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		U						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		U						
CALCIUM	130 MG/L		NV	168 MG/L		NV	274.5 MG/L		J						
CHROMIUM				.005 MG/L		UNV	.02 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		UJ						
CYANIDE				.005 MG/L		UNV				.01 MG/L		UJ			
IRON	.05 MG/L		UNV	3.26 MG/L		NV	.746 MG/L		J						
LEAD	.005 MG/L		UNV	.006 MG/L		NV	.002 MG/L		UJ						
MAGNESIUM	60 MG/L		NV	54 MG/L		NV	87.58 MG/L		J						

SAMPLE NUMBER:	EMGW_SYSGEN_21			EMGW_SYSGEN_21			003149			003149			003149		
LAB:	NET			NET			IT			IT			IT/MWL		
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	.02 MG/L		UNV	.962 MG/L		NV	1.046 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		UJ						
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV	.02 MG/L		U						
POTASSIUM	1 MG/L		UNV	1 MG/L		UNV	.728 MG/L		UJ						
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV	.002 MG/L		UJ						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.0005 MG/L		R						
SODIUM	70.9 MG/L		NV	82.2 MG/L		NV	118.3 MG/L		J						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.0012 MG/L		UJ						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.01 MG/L		UJ						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.01 MG/L		UJ						
No sort code listed.															
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
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:	EMGW_SYSGEN_21			EMGW_SYSGEN_21			003149			003149			003149		
LAB:	NET			NET			IT			IT			IT/MWL		
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-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										193.8 PCI/L	33	J			
URANIUM, TOTAL										600 UG/L	96	J			
URANIUM-234										49.6 PCI/L	9.2	J			
THORIUM-230										1 PCI/L		UJ			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236										4.4 PCI/L	1.5	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		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		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-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
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:	EMGW_SYSGEN_21			EMGW_SYSGEN_21			003149			003149			003149		
LAB:	NET			NET			IT			IT			IT/MWL		
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-NITROANILINE										50 UG/L		U			
2-NITROPHENOL										10 UG/L		R			
3,3'-DICHLOROBENZIDINE										20 UG/L		UJ			
3-NITROANILINE										50 UG/L		UJ			
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										10 UG/L		R			
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		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		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		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			

SAMPLE NUMBER:	EMGW_SYSGEN_21			EMGW_SYSGEN_21			003149			003149			003149		
LAB:	NET			NET			IT			IT			IT/MWL		
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										50 UG/L		R			
PHENANTHRENE										10 UG/L		UJ			
PHENOL				.005 MG/L		UNV				10 UG/L		R			
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				2.3 UG/L		NV				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)				8.5 UG/L		NV				25 UG/L		-			
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			
ACETONE				2 UG/L		UNV				7 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				18 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				2 UG/L		J			
XYLENES, TOTAL				1 UG/L		UNV				5 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003944	003944	004039	004039	003503
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:	1019	1019	1019	1019	1019
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-MAR-89	08-MAR-89	09-MAR-89	09-MAR-89	17-AUG-88
NORTH COORDINATE:	481657.56	481657.56	481657.56	481657.56	481657.56
EAST COORDINATE:	1379094.87	1379094.87	1379094.87	1379094.87	1379094.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	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															
AMMONIA				.4 MG/L		UJ									
CHLORIDE				490 MG/L		J									
FLUORIDE				.5 MG/L		J									
NITRATE				.2 MG/L		J									
PHENOLS				.008 MG/L		J									
PHOSPHORUS				.12 MG/L		J									
SULFATE				250 MG/L		J									
TOTAL KJELDAHL NITROGEN				.4 MG/L		J									
TOTAL ORGANIC HALIDES				.05 MG/L		UJ									
TOTAL ORGANIC NITROGEN				0 MG/L		J									
INORGANICS															
ARSENIC	.003 MG/L		UJ										.44 MG/L		-
BARIUM	.1 MG/L		J										.17 MG/L		-
CADMIUM	.006 MG/L		J										.002 MG/L		U
CALCIUM	300 MG/L		J										529 MG/L		-
CHROMIUM	.04 MG/L		J										.02 MG/L		U
COPPER	.01 MG/L		UJ										.01 MG/L		U
IRON	.87 MG/L		J										.924 MG/L		-
LEAD	.002 MG/L		UJ										.05 MG/L		U
MAGNESIUM	86 MG/L		J										162 MG/L		-
MANGANESE	1.1 MG/L		J										1.6 MG/L		-
MERCURY	.0002 MG/L		UJ										.0002 MG/L		UJ
MOLYBDENUM	.02 MG/L		J										.02 MG/L		U
NICKEL	.03 MG/L		UJ										.02 MG/L		U
POTASSIUM	.86 MG/L		J										1.9 MG/L		-
SELENIUM	.005 MG/L		UJ										.2 MG/L		U
SILVER	.01 MG/L		J										.01 MG/L		U
SODIUM	170 MG/L		J										360 MG/L		-

ORGANOPHOSPHORUS PESTICIDES

AZINPHOSMETHYL
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003944			003944			004039			004039			003503		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			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)
ORGANOPHOSPHORUS PESTICIDES															
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				276 PCI/L	36	J	897 PCI/L	100	-				140 PCI/L	18	-
URANIUM, TOTAL				739 UG/L	122	-	2286 UG/L	371	-				378 UG/L	63	-
URANIUM-234				67.1 PCI/L	9.2	J	176 PCI/L	19.9	-				39.3 PCI/L	5.5	-
THORIUM-230				1 PCI/L		U	1 PCI/L		U				1 PCI/L		UJ
RADIUM-226				1 PCI/L		U	1 PCI/L		U				1 PCI/L		U
URANIUM-235/236				5.9 PCI/L	1.2	J	23.4 PCI/L	2.8	-				3.2 PCI/L	.8	-
THORIUM-232				1 PCI/L		U	1 PCI/L		U				1 PCI/L		UJ
THORIUM, TOTAL				5 UG/L		U	3 UG/L		U				6 UG/L		UJ
RADIUM-228				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		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		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				1070 PCI/L	120	J	30 PCI/L		R				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

SAMPLE NUMBER:	003503			EMGW_SYSGEN_20			118172			118172			118176		
LAB:	IT			IT			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															
POTASSIUM							1 MG/L		U	1 MG/L		U			
SELENIUM							.002 MG/L		U	.002 MG/L		UJ			
SILVER							.004 MG/L		-	.004 MG/L		U			
SODIUM							3.48 MG/L		-	3.5 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		UJ			
VANADIUM							.004 MG/L		U	.004 MG/L		U			
ZINC							.003 MG/L		U	.0116 MG/L		U			
RADIONUCLIDES															
URANIUM-238	74.3 PCI/L	9.7	J	350 PCI/L		NV							5.6 PCI/L	1	J
URANIUM, TOTAL	207 UG/L	35	-	1040 UG/L		NV							16.6 UG/L	1.2	J
URANIUM-234	25.7 PCI/L	3.6	J	83.2 PCI/L		NV							4.8 PCI/L	.9	J
THORIUM-230	1 PCI/L		UJ										.2 PCI/L	.2	UJ
RADIUM-226	1 PCI/L		U										1 PCI/L	.5	UJ
URANIUM-235/236	2.6 PCI/L	.7	J	10.4 PCI/L		NV							.2 PCI/L	.5	UJ
THORIUM-232	1 PCI/L		UJ										.2 PCI/L	.2	UJ
THORIUM, TOTAL	10 UG/L		UJ												
RADIUM-228	3 PCI/L		U										3 PCI/L	1.3	UJ
THORIUM-228	1 PCI/L		UJ										.2 PCI/L	.2	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													6.4 PCI/L	1.8	NV
GROSS BETA													6.4 PCI/L	2	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		UJ			
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			

SAMPLE NUMBER:	003503			EMGW_SYSGEN_20			118172			118172			118176		
LAB:	IT			IT			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)
SEMIVOLATILES															
2-NITROANILINE										27 UG/L		U			
2-NITROPHENOL										11 UG/L		U			
3,3'-DICHLOROBENZIDINE										11 UG/L		UJ			
3-NITROANILINE										27 UG/L		UJ			
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		UJ			
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										16 UG/L		-			
BUTYL BENZYL PHTHALATE										11 UG/L		U			
CARBAZOLE										11 UG/L		UJ			
CHRYSENE										11 UG/L		U			
DI-N-BUTYL PHTHALATE										11 UG/L		U			
DI-N-OCTYL PHTHALATE										11 UG/L		UJ			
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		UJ			
P-CHLOROANILINE										27 UG/L		U			
PENTACHLOROPHENOL															

SAMPLE NUMBER:	003503			EMGW_SYSGEN_20			118172			118172			118176		
LAB:	IT			IT			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)
SEMIVOLATILES															
PHENANTHRENE										11 UG/L		U			
PHENOL	.02 MG/L		J							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		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		UJ			
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		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		UJ			
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:	118177			003044			003044			003044			003044		
TASK:	50.03.23			9.8			9.8			9.8			9.8		
LAB:	CORE			HOWARD			HOWARD			UNKNOWN			WMCO		
WELL OR BORING NUMBER:	1020			1020			1020			1020			1020		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-MAY-93			05-DEC-87			05-DEC-87			05-DEC-87			05-DEC-87		
NORTH COORDINATE:	479160.31			479160.31			479160.31			479160.31			479160.31		
EAST COORDINATE:	1379581.26			1379581.26			1379581.26			1379581.26			1379581.26		
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															
CHEMICAL OXYGEN DEMAND							14 MG/L		NV						
CHLORIDE							4 MG/L		NV	4 MG/L		NV			
FLUORIDE							1.13 MG/L		NV						
HEXAVALENT CHROMIUM							.005 MG/L		UNV						
NITRATE							.56 MG/L		NV						
PH							7.26 SU		NV	7.26 SU		NV			
PHENOLS							.005 MG/L		NV						
PHOSPHORUS							.13 MG/L		NV	.13 MG/L		NV			
SPECIFIC CONDUCTIVITY							510 UMHOS/CM		NV						
SULFATE							40 MG/L		NV						
TOTAL DISSOLVED SOLIDS				344 MG/L		NV							344 MG/L		NV
TOTAL ORGANIC CARBON							4.75 MG/L		NV						
TOTAL ORGANIC HALIDES							.028 MG/L		NV						
HERBICIDES															
2,4,5-TP (SILVEX)							500 UG/L		UNV						
2,4-D							1000 UG/L		UNV						
INORGANICS															
ARSENIC				.0025 MG/L		UNV									
BARIUM				.2 MG/L		UNV									
CADMIUM				.001 MG/L		UNV									
CALCIUM				77.3 MG/L		NV									
CHROMIUM				.005 MG/L		UNV									
COPPER				.025 MG/L		UNV									
CYANIDE							.005 MG/L		UNV						
IRON				.098 MG/L		NV									
LEAD				.005 MG/L		UNV									
MAGNESIUM				19.7 MG/L		NV									
MANGANESE				.39 MG/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003044	EMGW_SYSGEN_27	EMGW_SYSGEN_27	003669	003669
TASK:	9.8	GWMON	GWMON	3.2.4	3.2.4
LAB:	WMCO	IT	NET	IT	IT
WELL OR BORING NUMBER:	1020	1020	1020	1020	1020
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-DEC-87	06-DEC-90	06-DEC-90	08-NOV-88	08-NOV-88
NORTH COORDINATE:	479160.31	479160.31	479160.31	479160.31	479160.31
EAST COORDINATE:	1379581.26	1379581.26	1379581.26	1379581.26	1379581.26
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							259 MG/L		NV						
AMMONIA							.04 MG/L		NV				.1 MG/L		U
CHLORIDE							4 MG/L		NV				1.5 MG/L		-
FLUORIDE	1.13 MG/L		NV				.18 MG/L		NV				.1 MG/L		-
HEXAVALENT CHROMIUM	.005 MG/L		UNV												
NITRATE	.56 MG/L		NV				1.68 MG/L		NV				.1 MG/L		U
NITRATE/NITRITE							1.68 MG/L		NV						
PH	.005 MG/L		NV				6.93 SU		NV				.01 MG/L		U
PHENOLS	.005 MG/L		NV				.007 MG/L		NV				.01 MG/L		U
PHOSPHORUS							.28 MG/L		NV				.02 MG/L		U
SPECIFIC CONDUCTIVITY							520 UMHOS/CM		NV						
SULFATE	40 MG/L		NV				55 MG/L		NV				124 MG/L		-
TOTAL DISSOLVED SOLIDS							326 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.39 MG/L		U
TOTAL ORGANIC CARBON	4.75 MG/L		NV				7 MG/L		NV						
TOTAL ORGANIC HALIDES	.028 MG/L		NV										.05 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.39 MG/L		-
HERBICIDES															
2,4,5-TP (SILVEX)	500 UG/L		UNV												
2,4-D	1000 UG/L		UNV												
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.08 MG/L		-			
CADMIUM										.003 MG/L		-			
CALCIUM										79 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			

SAMPLE NUMBER:	003044			EMGW_SYSGEN_27			EMGW_SYSGEN_27			003669			003669		
LAB:	WMCO			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										.1 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										20.8 MG/L		-			
MANGANESE										.3 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										1.1 MG/L		-			
SELENIUM										.002 MG/L		U			
SILVER										.1 MG/L		U			
SODIUM										2.3 MG/L		-			
No sort code listed.															
ALACHLOR	2000 UG/L		UNV												
ATRAZINE	1000 UG/L		UNV												
CARBOFURAN	1000000 NG/L		UNV												
FONOFOS	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												
RADIONUCLIDES															
URANIUM-238				8.99 PCI/L		NV							10.8 PCI/L	1.4	J
URANIUM, TOTAL				PCI/L									31 UG/L	5	-
URANIUM-234				8.85 PCI/L		NV							8.2 PCI/L	1.1	J
THORIUM-230				.67 PCI/L		UNV							1 PCI/L		UJ
RADIUM-226				1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236				.868 PCI/L		NV							1 PCI/L		UJ
THORIUM-232				.67 PCI/L		UNV							1 PCI/L		UJ
THORIUM, TOTAL				6.1 UG/L		UNV							2 UG/L		J
RADIUM-228				3.3 PCI/L		UNV							3 PCI/L		U
THORIUM-228				1.36 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				19.5 PCI/L		NV									

SAMPLE NUMBER:	003044			EMGW_SYSGEN_27			EMGW_SYSGEN_27			003669			003669		
LAB:	WMCO			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															
GROSS BETA				20.9 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						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_26			EMGW_SYSGEN_26			066821			EMGW_SYSGEN_23			EMGW_SYSGEN_24		
TASK:	GWMON			GWMON			9.27			GWMON			GWMON		
LAB:	IT			NET			IT			NET			IT		
WELL OR BORING NUMBER:	1020			1020			1020			1020			1020		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-SEP-90			11-SEP-90			15-DEC-89			21-FEB-90			21-MAY-90		
NORTH COORDINATE:	479160.31			479160.31			479160.31			479160.31			479160.31		
EAST COORDINATE:	1379581.26			1379581.26			1379581.26			1379581.26			1379581.26		
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				291 MG/L		NV									
CHLORIDE				4 MG/L		NV									
FLUORIDE				.22 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				6.92 SU		NV									
PHENOLS				.006 MG/L		NV									
SPECIFIC CONDUCTIVITY				571 UMHOS/CM		NV									
SULFATE				53 MG/L		NV									
TOTAL DISSOLVED SOLIDS				385 MG/L		NV									
TOTAL ORGANIC CARBON				4 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	2.68 PCI/L		NV				7.44 PCI/L	1.05	-				5.71 PCI/L		NV
URANIUM, TOTAL	8.04 UG/L		NV				28.3 UG/L	4.9	-				16.5 UG/L		NV
URANIUM-234	1.87 PCI/L		NV				5.51 PCI/L	.83	-				3.89 PCI/L		NV
THORIUM-230	.766 PCI/L		NV				1.07 PCI/L	.58	-				.441 PCI/L		NV
RADIUM-226	1 PCI/L		UNV										1 PCI/L		UNV
URANIUM-235/236	.37 PCI/L		UNV				1 PCI/L		U				.558 PCI/L		NV
THORIUM-232	.37 PCI/L		UNV										.3 PCI/L		UNV
THORIUM, TOTAL	3.3 UG/L		UNV										2.7 UG/L		UNV
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UNV
THORIUM-228	.37 PCI/L		UNV				1.8 PCI/L	.72	-				.486 PCI/L		NV
TECHNETIUM-99							30 PCI/L		U						
GROSS ALPHA	11 PCI/L		UNV										258 PCI/L		NV
GROSS BETA	6.6 PCI/L		NV										24 PCI/L		UNV

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 60 UG/L UNV
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_26			EMGW_SYSGEN_26			066821			EMGW_SYSGEN_23			EMGW_SYSGEN_24		
LAB:	IT			NET			IT			NET			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															
1,1,1-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 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				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_24			003059			003059			003903			003903		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1020			1020			1020			1020			1020		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-MAY-90			22-MAR-88			22-MAR-88			26-FEB-89			26-FEB-89		
NORTH COORDINATE:	479160.31			479160.31			479160.31			479160.31			479160.31		
EAST COORDINATE:	1379581.26			1379581.26			1379581.26			1379581.26			1379581.26		
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)
GENERAL CHEMISTRY															
AMMONIA							.1 MG/L		U				.2 MG/L		-
CHLORIDE	3 MG/L		NV				3 MG/L		-				2.1 MG/L		U
FLUORIDE							.5 MG/L		U				.2 MG/L		-
HEXAVALENT CHROMIUM							.02 MG/L		UR						
NITRATE	.02 MG/L		UNV				5 MG/L		UR				.03 MG/L		-
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PH							7.14 SU		J				.005 MG/L		U
PHENOLS							.01 MG/L		U				.005 MG/L		U
PHOSPHORUS													.09 MG/L		-
SPECIFIC CONDUCTIVITY							574 UMHOS/CM		-						
SULFATE	39 MG/L		NV				47 MG/L		-				30 MG/L		-
TOTAL KJELDAHL NITROGEN													1.5 MG/L		-
TOTAL ORGANIC CARBON	11 MG/L		NV												
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.2 MG/L		-				1.3 MG/L		-
INORGANICS															
ARSENIC				.03 MG/L		U				.003 MG/L		U			
BARIUM				.08 MG/L		-				.039 MG/L		-			
CADMIUM				.005 MG/L		U				.005 MG/L		U			
CALCIUM										71 MG/L		-			
CHROMIUM				.01 MG/L		U				.02 MG/L		-			
COPPER				.02 MG/L		UJ				.01 MG/L		U			
IRON				.12 MG/L		-				.06 MG/L		U			
LEAD				.03 MG/L		U				.002 MG/L		U			
MAGNESIUM										16 MG/L		-			
MANGANESE				.005 MG/L		-				.053 MG/L		-			
MERCURY				.001 MG/L		U				.0003 MG/L		J			
MOLYBDENUM				.01 MG/L		U				.01 MG/L		U			
NICKEL				.02 MG/L		U				.03 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_24			003059			003059			003903			003903		
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															
POTASSIUM										1.5 MG/L		-			
SELENIUM				.06 MG/L		U				.005 MG/L		U			
SILVER				.005 MG/L		U				.01 MG/L		U			
SODIUM				3.6 MG/L		-				1.6 MG/L		-			
RADIONUCLIDES															
URANIUM-238							10.8 PCI/L	1.8	J				63.8 PCI/L	8	-
URANIUM, TOTAL							28 UG/L	5	J				198 UG/L	32	J
URANIUM-234							8.3 PCI/L	1.5	J				21.4 PCI/L	3.1	-
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226							1 PCI/L		UJ				1.6 PCI/L	.3	J
URANIUM-235/236							1 PCI/L		UJ				1.3 PCI/L	.5	-
THORIUM-232							1 PCI/L		U				1 PCI/L		U
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		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		UJ				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
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												
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												

SAMPLE NUMBER:	EMGW_SYSGEN_24			003059			003059			003903			003903		
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															
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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003429			003429			EMGW_SYSGEN_25			EMGW_SYSGEN_25			003251		
TASK:	3.2.4			3.2.4			GWMON			GWMON			3.2.4		
LAB:	IT			IT			IT			NET			IT		
WELL OR BORING NUMBER:	1020			1020			1020			1020			1021		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-JUL-88			27-JUL-88			28-JUN-90			28-JUN-90			01-JUN-88		
NORTH COORDINATE:	479160.31			479160.31			479160.31			479160.31			481566.5		
EAST COORDINATE:	1379581.26			1379581.26			1379581.26			1379581.26			1378897.33		
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		UJ									
CHLORIDE				2.6 MG/L		J				3 MG/L		NV			
FLUORIDE				.78 MG/L		R									
NITRATE				.15 MG/L		J				.02 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		NV			
PHENOLS				.05 MG/L		U									
PHOSPHORUS				.12 MG/L		R									
SULFATE				46 MG/L		R				56 MG/L		NV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ									
INORGANICS															
ALUMINUM													.05 MG/L		U
ANTIMONY													.0023 MG/L		J
ARSENIC	.01 MG/L		UJ										.002 MG/L		UJ
BARIUM	.2 MG/L		U										.127 MG/L		J
BERYLLIUM													.001 MG/L		U
CADMIUM	.005 MG/L		U										.002 MG/L		U
CALCIUM	94 MG/L		J										103.8 MG/L		-
CHROMIUM	.01 MG/L		U										.02 MG/L		U
COBALT													.01 MG/L		U
COPPER	.025 MG/L		U										.01 MG/L		UJ
CYANIDE													.01 MG/L		U
IRON	.1 MG/L		-										.005 MG/L		U
LEAD	.2 MG/L		U										.002 MG/L		UJ
MAGNESIUM	32 MG/L		-										30 MG/L		-
MANGANESE	1.3 MG/L		-										.791 MG/L		J
MERCURY	.0007 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.05 MG/L		U										.029 MG/L		-
NICKEL	.04 MG/L		U										.02 MG/L		U

SAMPLE NUMBER:	003429			003429			EMGW_SYSGEN_25			EMGW_SYSGEN_25			003251		
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															
POTASSIUM	5 MG/L		U										2.06 MG/L		-
SELENIUM	.005 MG/L		U										.0021 MG/L		J
SILVER	.01 MG/L		UJ										.0005 MG/L		UJ
SODIUM	5 MG/L		-										8.88 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.01 MG/L		U
ZINC													.01 MG/L		UJ
RADIONUCLIDES															
URANIUM-238				10.4 PCI/L	1.8	-	4.67 PCI/L		NV						
URANIUM, TOTAL				20 UG/L	4	-	14 UG/L		NV						
URANIUM-234				8.2 PCI/L	1.5	-	3.44 PCI/L		NV						
THORIUM-230				1.1 PCI/L	.5	-	.34 PCI/L		UNV						
RADIUM-226				1.9 PCI/L	.6	-	1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		U	.31 PCI/L		UNV						
THORIUM-232				1 PCI/L		U	.34 PCI/L		UNV						
THORIUM, TOTAL				6 UG/L	3	-	3.1 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1.1 PCI/L	.5	-	1.16 PCI/L		NV						
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		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA							15 PCI/L		UNV						
GROSS BETA							126 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			

SAMPLE NUMBER:	003429			003429			EMGW_SYSGEN_25			EMGW_SYSGEN_25			003251		
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															
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 1 WELLS

SAMPLE NUMBER:	003251			003945			003507			003507			003507		
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:	1021			1021			1021			1021			1021		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-JUN-88			12-MAR-89			18-AUG-88			18-AUG-88			18-AUG-88		
NORTH COORDINATE:	481566.5			481566.5			481566.5			481566.5			481566.5		
EAST COORDINATE:	1378897.33			1378897.33			1378897.33			1378897.33			1378897.33		
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)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2.4 NG/L		U												
2,3,7,8-TETRACHLORODIBENZOFURAN	2.6 NG/L		U												
HEPTACHLORODIBENZO-P-DIOXINS	.88 NG/L		U												
HEPTACHLORODIBENZOFURANS	1.1 NG/L		U												
HEXACHLORODIBENZO-P-DIOXINS	1.6 NG/L		U												
HEXACHLORODIBENZOFURANS	.77 NG/L		U												
OCTACHLORODIBENZO-P-DIOXIN	2.6 NG/L		U												
OCTACHLORODIBENZOFURAN	2 NG/L		U												
PENTACHLORODIBENZO-P-DIOXINS	.5 NG/L		U												
PENTACHLORODIBENZOFURANS	1.5 NG/L		U												
TETRACHLORODIBENZO-P-DIOXINS	.41 NG/L		U												
TETRACHLORODIBENZOFURANS	.6 NG/L		U												
GENERAL CHEMISTRY															
AMMONIA	.1 MG/L		U										.12 MG/L		J
CHLORIDE	136 MG/L		-										15.5 MG/L		J
FLUORIDE	1.6 MG/L		-										1.75 MG/L		J
NITRATE	.1 MG/L		-										.17 MG/L		R
PHENOLS	.01 MG/L		U										.1 MG/L		UJ
PHOSPHORUS	.61 MG/L		-										.135 MG/L		J
SULFATE	305 MG/L		-										184 MG/L		-
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC NITROGEN	.1 MG/L		U										.3 MG/L		UJ
INORGANICS															

ARSENIC
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003251			003945			003507			003507			003507		
LAB:	IT			IT			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															
BARIUM										.2 MG/L		-			
CADMIUM										.002 MG/L		U			
CALCIUM										127 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			
IRON										.651 MG/L		-			
LEAD										.05 MG/L		U			
MAGNESIUM										43.4 MG/L		-			
MANGANESE										2.1 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.3 MG/L		-			
SELENIUM										.2 MG/L		U			
SILVER										.01 MG/L		U			
SODIUM										10.3 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	.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	.1 UG/L		U												

SAMPLE NUMBER:	003251			003945			003507			003507			003507		
LAB:	IT			IT			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)
PESTICIDES															
ENDOSULFAN II	.2 UG/L		U												
ENDOSULFAN SULFATE	.2 UG/L		U												
ENDOSULFAN-I	.1 UG/L		U												
ENDRIN	.1 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												
HEPTACHLOR EPOXIDE	.1 UG/L		U												
METHOXYCHLOR	1 UG/L		U												
TOXAPHENE	2 UG/L		U												
RADIONUCLIDES															
URANIUM-238	6300 PCI/L	820	-	3163 PCI/L	1573	J	3805 PCI/L	534	-						
URANIUM, TOTAL	15330 UG/L	2403	J	9117 UG/L	1521	-	8600 UG/L	1400	R						
URANIUM-234	1400 PCI/L	190	-	691 PCI/L	347	J	712 PCI/L	101	-						
THORIUM-230	2.1 PCI/L	.5	-	4.6 PCI/L	1.1	J	1 PCI/L		UJ						
RADIUM-226	1 PCI/L		U	1 PCI/L		U	1 PCI/L		U						
URANIUM-235/236	160 PCI/L	25	-	83.6 PCI/L	45.7	J	76.7 PCI/L	12	-						
THORIUM-232	9.8 PCI/L	1.6	-	2.7 PCI/L	.8	J	2.4 PCI/L	.5	J						
THORIUM, TOTAL	89.3761041	PCI/G	NV	24 UG/L	7	J	2 UG/L		R						
RADIUM-228	3 PCI/L		U	3 PCI/L		R	3 PCI/L		U						
THORIUM-228	1 PCI/L		U	3.4 PCI/L	.9	J	1 PCI/L		UJ						
NEPTUNIUM-237	1 PCI/L		U	1 PCI/L		UJ	1 PCI/L		R						
PLUTONIUM-239/240	1 PCI/L		U	1 PCI/L		UJ	1 PCI/L		R						
PLUTONIUM-238	1 PCI/L		U	1 PCI/L		UJ	1 PCI/L		R						
STRONTIUM-90	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	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												

SAMPLE NUMBER:	003251			003945			003507			003507			003507		
LAB:	IT			IT			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)
SEMIVOLATILES															
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		UJ												
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												
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		UJ												
BENZO(K)FLUORANTHENE	20 UG/L		U												
BENZOIC ACID	100 UG/L		U												
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		UJ												
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		UJ												
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		UJ												
HEXACHLOROBUTADIENE	20 UG/L		U												
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	100 UG/L		U												
NAPHTHALENE	20 UG/L		U												

SAMPLE NUMBER:	003251			003945			003507			003507			003507		
LAB:	IT			IT			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)
SEMIVOLATILES															
NITROBENZENE	20 UG/L		U												
P-CHLOROANILINE	20 UG/L		U												
PENTACHLOROPHENOL	100 UG/L		UJ												
PHENANTHRENE	20 UG/L		U										.1 MG/L		UJ
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												
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												
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	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 1 WELLS

SAMPLE NUMBER:	003507	EMGW_SYSGEN_29	EMGW_SYSGEN_29	EMGW_SYSGEN_29	EMGW_SYSGEN_28
TASK:	3.2.4	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	1021	1021	1021	1021	1021
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-AUG-88	20-FEB-91	20-FEB-91	20-FEB-91	23-MAR-90
NORTH COORDINATE:	481566.5	481566.5	481566.5	481566.5	481566.5
EAST COORDINATE:	1378897.33	1378897.33	1378897.33	1378897.33	1378897.33
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	U-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										338 MG/L		NV			
AMMONIA										.44 MG/L		NV			
CHLORIDE										17 MG/L		NV			
FLUORIDE										.86 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH										6.7 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.73 MG/L		NV			
SPECIFIC CONDUCTIVITY										679 UMHOS/CM		NV			
SULFATE										107 MG/L		NV			
TOTAL DISSOLVED SOLIDS										268 MG/L		NV			
TOTAL ORGANIC CARBON										18 MG/L		NV			
TOTAL ORGANIC HALOGENS										.028 MG/L		NV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	104 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.011 MG/L		NV	.069 MG/L		NV			
BARIUM							.486 MG/L		NV	2.09 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.003 MG/L		NV			
CALCIUM							71.2 MG/L		NV	483 MG/L		NV			
CHROMIUM										.5 MG/L		NV			
COBALT							.025 MG/L		UNV	.032 MG/L		NV			
COPPER							.025 MG/L		UNV	.199 MG/L		NV			
CYANIDE										.01 MG/L		UNV			
IRON							14.2 MG/L		NV	340 MG/L		NV			
LEAD							.005 MG/L		UNV	.067 MG/L		NV			
MAGNESIUM							21.1 MG/L		NV	166 MG/L		NV			
MANGANESE							2.13 MG/L		NV	11.1 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	003507			EMGW_SYSGEN_29			EMGW_SYSGEN_29			EMGW_SYSGEN_29			EMGW_SYSGEN_28		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	U-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							.025 MG/L		UNV	.054 MG/L		NV			
NICKEL							.005 MG/L		UNV	.103 MG/L		NV			
POTASSIUM							1.82 MG/L		NV	19 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.002 MG/L		NV			
SODIUM							26.3 MG/L		NV	23.7 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	3.25 MG/L		NV			
ZINC							.036 MG/L		NV	.931 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	3879 PCI/L	920	J	214 PCI/L		NV							932 PCI/L		NV
URANIUM, TOTAL	10000 UG/L	2000	J	2330 UG/L		NV							2780 UG/L		NV
URANIUM-234	802 PCI/L	192	J	45.7 PCI/L		NV							203 PCI/L		NV
THORIUM-230	1.3 PCI/L	.4	J	8.45 PCI/L		NV									
RADIUM-226	1 PCI/L		R	1.99 PCI/L		NV									
URANIUM-235/236	117 PCI/L	30	J	5.14 PCI/L		NV							25.6 PCI/L		NV
THORIUM-232	4.8 PCI/L	.9	J	5.85 PCI/L		NV									
THORIUM, TOTAL	43 UG/L	8	J	52.8 UG/L		NV									
RADIUM-228	5 PCI/L		UJ	3 PCI/L		UNV									
THORIUM-228	1 PCI/L		UJ	.551 PCI/L		NV									
NEPTUNIUM-237	1 PCI/L		UJ	.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	15 PCI/L		UNV									
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV									
CESIUM-137	20 PCI/L		R	8 PCI/L		UNV									
GROSS ALPHA				847 PCI/L		NV									
GROSS BETA				1390 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			

000266

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003507			EMGW_SYSGEN_29			EMGW_SYSGEN_29			EMGW_SYSGEN_29			EMGW_SYSGEN_28		
LAB:	IT			IT			NET			NET			IT		
SUFFIX/FILTERFLAG:	U-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			
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:	003755			003154			003154			EMGW_SYSGEN_32			EMGW_SYSGEN_32		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1022			1022			1022			1022			1022		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-DEC-88			06-MAY-88			06-MAY-88			11-FEB-91			11-FEB-91		
NORTH COORDINATE:	481706.62			481706.62			481706.62			481706.62			481706.62		
EAST COORDINATE:	1378686.73			1378686.73			1378686.73			1378686.73			1378686.73		
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)
DIOXINS/FURANS															
HEPTACHLORODIBENZO-P-DIOXINS							2.4 NG/L		U						
HEPTACHLORODIBENZOFURANS							1.6 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS							.71 NG/L		U						
HEXACHLORODIBENZOFURANS							.95 NG/L		U						
OCTACHLORODIBENZO-P-DIOXIN							7.8 NG/L		U						
OCTACHLORODIBENZOFURAN							6.5 NG/L		U						
PENTACHLORODIBENZO-P-DIOXINS							1.1 NG/L		U						
PENTACHLORODIBENZOFURANS							.72 NG/L		U						
TETRACHLORODIBENZO-P-DIOXINS							.44 NG/L		U						
TETRACHLORODIBENZOFURANS							.6 NG/L		U						
GENERAL CHEMISTRY															
AMMONIA							.2 MG/L		-						
CHLORIDE							12.2 MG/L		-						
FLUORIDE							.9 MG/L		-						
NITRATE							.1 MG/L		J						
PHENOLS							.01 MG/L		J						
PHOSPHORUS							.75 MG/L		J						
SULFATE							1180 MG/L		-						
TOTAL ORGANIC NITROGEN							1.3 MG/L		-						
INORGANICS															
ALUMINUM													.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC				.2 MG/L		U							.0025 MG/L		UNV
BARIUM				.025 MG/L		-							.4 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV

SAMPLE NUMBER:	003755			003154			003154			EMGW_SYSGEN_32			EMGW_SYSGEN_32		
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															
CADMIUM				.005 MG/L		U							.001 MG/L		UNV
CALCIUM				312 MG/L		-							152 MG/L		NV
CHROMIUM				.02 MG/L		U									
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				95 MG/L		-							42 MG/L		NV
MANGANESE				.315 MG/L		-							.341 MG/L		NV
MERCURY				.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM				.02 MG/L		U							.025 MG/L		UNV
NICKEL				.02 MG/L		U							.005 MG/L		UNV
POTASSIUM				2.32 MG/L		-							2.08 MG/L		NV
SELENIUM				.2 MG/L		U							.0025 MG/L		UNV
SILVER				.174 MG/L		-							.001 MG/L		UNV
SODIUM				8.5 MG/L		-							23.9 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	1153 PCI/L	227	J				1231 PCI/L	207	-	640 PCI/L		NV			
URANIUM, TOTAL	2703 UG/L	433	-				3800 UG/L	600	-	1500 UG/L		NV			
URANIUM-234	558 PCI/L	111	J				624 PCI/L	105	-	352 PCI/L		NV			
THORIUM-230	1 PCI/L		UJ				6.6 PCI/L	1.7	-	1.18 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		R	1 PCI/L		UNV			
URANIUM-235/236	36.6 PCI/L	8.6	J				48.6 PCI/L	9.4	-	25.1 PCI/L		NV			
THORIUM-232	1 PCI/L		UJ				23.1 PCI/L	4.4	-	.629 PCI/L		NV			
THORIUM, TOTAL	4 UG/L		UJ				210.672705 PCI/L	4.4	NV	5.67 UG/L		NV			
RADIUM-228	3 PCI/L		U				3 PCI/L		R	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		UJ				3.1 PCI/L	1	-	1.73 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		R	.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		UJ				5 PCI/L		U						
TECHNETIUM-99	30 PCI/L		U				30 PCI/L		UJ	15 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	6.6 PCI/L		UNV			
GROSS ALPHA										898 PCI/L		NV			
GROSS BETA										720 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_32			003946			003509			003509			EMGW_SYSGEN_31		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1022			1022			1022			1022			1022		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-FEB-91			12-MAR-89			18-AUG-88			18-AUG-88			23-MAR-90		
NORTH COORDINATE:	481706.62			481706.62			481706.62			481706.62			481706.62		
EAST COORDINATE:	1378686.73			1378686.73			1378686.73			1378686.73			1378686.73		
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	360 MG/L		NV												
AMMONIA	.18 MG/L		NV							.1 MG/L		J			
CHLORIDE	3 MG/L		NV							67.5 MG/L		J			
FLUORIDE	.61 MG/L		NV							.98 MG/L		J			
NITRATE	.94 MG/L		NV							.19 MG/L		R			
NITRATE, AS NITROGEN	.94 MG/L		NV												
PH	7.05 SU		NV							.1 MG/L		UJ			
PHENOLS	.005 MG/L		UNV							.1 MG/L		UJ			
PHOSPHORUS	.52 MG/L		NV							.145 MG/L		J			
SPECIFIC CONDUCTIVITY	1570 UMHOS/CM		NV												
SULFATE	1200 MG/L		NV							1120 MG/L		-			
TOTAL DISSOLVED SOLIDS	1300 MG/L		NV												
TOTAL ORGANIC CARBON	15 MG/L		NV												
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN										.4 MG/L		J			
INORGANICS															
ALUMINUM	18.7 MG/L		NV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.008 MG/L		NV				.2 MG/L		U						
BARIUM	.506 MG/L		NV				.04 MG/L		-						
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV				.002 MG/L		U						
CALCIUM	297 MG/L		NV				494 MG/L		-						
CHROMIUM	.005 MG/L		UNV				.02 MG/L		U						
COBALT	.025 MG/L		UNV												
COPPER	.051 MG/L		NV				.01 MG/L		U						
CYANIDE	.005 MG/L		UNV												
IRON	28.8 MG/L		NV				.027 MG/L		U						
LEAD	.017 MG/L		NV				.05 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_32			003946			003509			003509			EMGW_SYSGEN_31		
LAB:	NET			IT			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															
MAGNESIUM	82 MG/L		NV				147 MG/L		-						
MANGANESE	1.1 MG/L		NV				2.1 MG/L		-						
MERCURY	.0002 MG/L		UNV				.0002 MG/L		U						
MOLYBDENUM	.025 MG/L		UNV				.02 MG/L		U						
NICKEL	.005 MG/L		UNV				.02 MG/L		U						
POTASSIUM	5.59 MG/L		NV				4 MG/L		-						
SELENIUM	.0025 MG/L		UNV				.2 MG/L		U						
SILVER	.001 MG/L		UNV				.01 MG/L		U						
SODIUM	20.7 MG/L		NV				22.7 MG/L		-						
THALLIUM	.01 MG/L		UNV												
VANADIUM	.082 MG/L		NV												
ZINC	.116 MG/L		NV												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				1460 PCI/L	201	J				1351 PCI/L	169	J	4130 PCI/L		NV
URANIUM, TOTAL				3605 UG/L	585	-				3500 UG/L	600	J	12400 UG/L		NV
URANIUM-234				660 PCI/L	91	J				661 PCI/L	83	J	2120 PCI/L		NV
THORIUM-230				4.5 PCI/L	1.6	J				1.2 PCI/L		UJ			
RADIUM-226				1 PCI/L		U				1 PCI/L		R			
URANIUM-235/236				42.8 PCI/L	6.6	J				30.3 PCI/L	4.2	J	160 PCI/L		NV
THORIUM-232				2.1 PCI/L	1.1	J				2.5 PCI/L	1.2	J			
THORIUM, TOTAL				19 UG/L	10	J				23 UG/L	11	J			
RADIUM-228				3 PCI/L		R				3 PCI/L		UJ			
THORIUM-228				2.9 PCI/L	1.2	J				1.4 PCI/L	1	J			
NEPTUNIUM-237				1 PCI/L		UJ				1 PCI/L		UJ			
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				30.4 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															
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:	EMGW_SYSGEN_32			003946			003509			003509			EMGW_SYSGEN_31		
LAB:	NET			IT			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-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_41	EMGW_SYSGEN_41	EMGW_SYSGEN_41	EMGW_SYSGEN_42	EMGW_SYSGEN_42
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	NET	NET
WELL OR BORING NUMBER:	1024	1024	1024	1024	1024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-OCT-91	01-OCT-91	01-OCT-91	02-JAN-92	02-JAN-92
NORTH COORDINATE:	482481.13	482481.13	482481.13	482481.13	482481.13
EAST COORDINATE:	1378892.98	1378892.98	1378892.98	1378892.98	1378892.98
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				383 MG/L		NV							377 MG/L		NV
AMMONIA				.41 MG/L		NV							.45 MG/L		NV
CHLORIDE				1 MG/L		UNV							2 MG/L		NV
FLUORIDE				.95 MG/L		NV							1.04 MG/L		NV
NITRATE, AS NITROGEN				.03 MG/L		NV							.02 MG/L		UNV
PH				7.2 SU		NV							7.16 SU		NV
PHENOLS				.005 MG/L		UNV							.005 MG/L		UNV
PHOSPHORUS				.1 MG/L		UNV							.11 MG/L		NV
SPECIFIC CONDUCTIVITY				731 UMHOS/CM		NV							748 UMHOS/CM		NV
SULFATE				54 MG/L		NV							43 MG/L		NV
TOTAL DISSOLVED SOLIDS				430 MG/L		NV							416 MG/L		NV
TOTAL ORGANIC CARBON				7 MG/L		NV							19 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	.57 MG/L		NV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV				.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.005 MG/L		NV	.0051 MG/L		NV				.005 MG/L		UNV	.0051 MG/L		NV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV				.23 MG/L		NV	.2 MG/L		UNV
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	84 MG/L		NV	90 MG/L		NV				84.3 MG/L		NV	96.6 MG/L		NV
CHROMIUM				.002 MG/L		UNV							.0025 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	1.5 MG/L		NV	1.6 MG/L		NV				1.13 MG/L		NV	3.1 MG/L		NV
LEAD	.003 MG/L		UNV	.003 MG/L		UNV				.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	43 MG/L		NV	48 MG/L		NV				41.2 MG/L		NV	39.1 MG/L		NV
MANGANESE	.08 MG/L		NV	.078 MG/L		NV				.062 MG/L		NV	.113 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_41			EMGW_SYSGEN_41			EMGW_SYSGEN_41			EMGW_SYSGEN_42			EMGW_SYSGEN_42		
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															
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		NV				.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.01 MG/L		UNV	.011 MG/L		NV				.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	1.2 MG/L		NV	1.3 MG/L		NV				1.3 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	12 MG/L		NV	16 MG/L		NV				13 MG/L		NV	12.6 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	.039 MG/L		NV	.039 MG/L		NV				.02 MG/L		UNV	.02 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL							.8 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
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

SAMPLE NUMBER:	EMGW_SYSGEN_41			EMGW_SYSGEN_41			EMGW_SYSGEN_41			EMGW_SYSGEN_42			EMGW_SYSGEN_42		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_42			003657			003657			EMGW_SYSGEN_36			EMGW_SYSGEN_36		
TASK:	GWMON			3.2.4			3.2.4			GWMON			GWMON		
LAB:	WMCO			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1024			1024			1024			1024			1024		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-JAN-92			02-NOV-88			02-NOV-88			08-AUG-90			08-AUG-90		
NORTH COORDINATE:	482481.13			482481.13			482481.13			482481.13			482481.13		
EAST COORDINATE:	1378892.98			1378892.98			1378892.98			1378892.98			1378892.98		
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							.55 MG/L		-						
CHLORIDE							1.9 MG/L		-						
FLUORIDE							.94 MG/L		J						
NITRATE							.1 MG/L		R						
PHENOLS							.03 MG/L		-						
PHOSPHORUS							.026 MG/L		-						
SULFATE							109 MG/L		J						
TOTAL KJELDAHL NITROGEN							.68 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN							.13 MG/L		J						
INORGANICS															
ALUMINUM													.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC				.002 MG/L		U							.004 MG/L		NV
BARIUM				.09 MG/L		-							.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM				.002 MG/L		U							.001 MG/L		UNV
CALCIUM				90.4 MG/L		-							74 MG/L		NV
CHROMIUM				.02 MG/L		U									
COBALT													.025 MG/L		UNV
COPPER				.01 MG/L		U							.025 MG/L		UNV
IRON				2.1 MG/L		-							1.62 MG/L		NV
LEAD				.004 MG/L		R							.005 MG/L		UNV
MAGNESIUM				44.4 MG/L		-							43.2 MG/L		NV
MANGANESE				.03 MG/L		-							.068 MG/L		NV
MERCURY				.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM				.02 MG/L		U							.025 MG/L		UNV
NICKEL				.02 MG/L		U							.005 MG/L		UNV
POTASSIUM				1.18 MG/L		-							1.38 MG/L		NV
SELENIUM				.002 MG/L		R							.0025 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_42			003657			003657			EMGW_SYSGEN_36			EMGW_SYSGEN_36		
LAB:	WMCO			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															
SILVER				.01 MG/L		U							.001 MG/L		UNV
SODIUM				12.4 MG/L		-							16.1 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	.979 PCI/L		NV			
URANIUM, TOTAL	.7 UG/L		NV				1 UG/L		U	1.09 UG/L		NV			
URANIUM-234							1 PCI/L		U	1.04 PCI/L		NV			
THORIUM-230							1 PCI/L		U	.366 PCI/L		NV			
RADIUM-226							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U	.351 PCI/L		NV			
THORIUM-232							1 PCI/L		U	.31 PCI/L		UNV			
THORIUM, TOTAL							2 UG/L		U	2.8 UG/L		UNV			
RADIUM-228							5.2 PCI/L	1.6	J	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		U	.31 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						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_36	066497	066497	GW930412-6	GW930412-6
TASK:	GWMON	9.25	9.25	50.03.23	50.03.23
LAB:	NET	IT	IT	CORE	CORE
WELL OR BORING NUMBER:	1024	1024	1024	1024	1024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-AUG-90	10-AUG-89	10-AUG-89	12-APR-93	12-APR-93
NORTH COORDINATE:	482481.13	482481.13	482481.13	482481.13	482481.13
EAST COORDINATE:	1378892.98	1378892.98	1378892.98	1378892.98	1378892.98
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															
CHLORIDE	3 MG/L		NV				1.5 MG/L		-						
FLUORIDE	.92 MG/L		NV				.98 MG/L		-						
NITRATE	.05 MG/L		NV				.1 MG/L		R						
NITRATE, AS NITROGEN	.05 MG/L		NV												
PHENOLS	.005 MG/L		UNV												
SULFATE	50 MG/L		NV				55.7 MG/L		-						
TOTAL ORGANIC CARBON	50 MG/L		NV				1 MG/L		U						
TOTAL ORGANIC HALIDES							.126 MG/L		-						
TOTAL ORGANIC HALOGENS	.026 MG/L		NV												
INORGANICS															
ALUMINUM	2.54 MG/L		NV	.123 MG/L		-									
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.009 MG/L		NV												
BARIUM	.02 MG/L		UNV	.112 MG/L		-									
BERYLLIUM	.01 MG/L		UNV	.001 MG/L		-									
CADMIUM	.001 MG/L		UNV												
CALCIUM	99.6 MG/L		NV	95.6 MG/L		-									
CHROMIUM	.005 MG/L		UNV	.025 MG/L		-									
COBALT	.025 MG/L		UNV	.01 MG/L		U									
COPPER	.025 MG/L		UNV	.01 MG/L		U									
IRON	7.9 MG/L		NV	.154 MG/L		-									
LEAD	.005 MG/L		UNV	.003 MG/L		-									
MAGNESIUM	53.6 MG/L		NV	46 MG/L		-									
MANGANESE	.174 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.025 MG/L		UNV												
NICKEL	.005 MG/L		UNV	.02 MG/L		U									
POTASSIUM	2.26 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV	.011 MG/L		-									

SAMPLE NUMBER:	EMGW_SYSGEN_36			066497			066497			GW930412-6			GW930412-6		
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															
SODIUM	14.9 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV	.018 MG/L		-									
ZINC	.02 MG/L		UNV	.042 MG/L		U									
RADIONUCLIDES															
URANIUM-238										.4 PCI/L	.2	UJ	.4 PCI/L	.1	J
URANIUM, TOTAL										.5 UG/L	.1	-	.5 UG/L	.1	J
URANIUM-234										.5 PCI/L	.2	J	.8 PCI/L	.2	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										.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ
THORIUM-232										.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ
RADIUM-228										3 PCI/L	1.2	U	3 PCI/L	1	U
THORIUM-228										.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ
TECHNETIUM-99										30 PCI/L	8.7	J	30 PCI/L	8.7	J
GROSS ALPHA										0 PCI/L	1.9	UNV	1.5 PCI/L	1.8	UNV
GROSS BETA										0 PCI/L	1.9	UNV	5.7 PCI/L	1.7	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				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												
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				8 UG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_36			066497			066497			GW930412-6			GW930412-6		
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															
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						
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:	GW930412-6			GW930412-6			GW930113-6			GW930113-6			GW930113-6		
TASK:	50.03.23			50.03.23			RCRA			RCRA			RCRA		
LAB:	NET			NET			CORE			FERMCO Laboratory			NET		
WELL OR BORING NUMBER:	1024			1024			1024			1024			1024		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-APR-93			12-APR-93			13-JAN-93			13-JAN-93			13-JAN-93		
NORTH COORDINATE:	482481.13			482481.13			482481.13			482481.13			482481.13		
EAST COORDINATE:	1378892.98			1378892.98			1378892.98			1378892.98			1378892.98		
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				366 MG/L		-									
AMMONIA				.27 MG/L		R									
BICARBONATE ALKALINITY				473 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				13 MG/L		-									
FLUORIDE				.96 MG/L		-									
NITRATE/NITRITE				.02 MG/L		U									
PH				7.2 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.1 MG/L		R									
SPECIFIC CONDUCTIVITY				712 UMHOS/CM		-									
SULFATE				89 MG/L		-									
TOTAL DISSOLVED SOLIDS	433 MG/L		-										460 MG/L		NV
TOTAL KJELDAHL NITROGEN				.44 MG/L		-									
TOTAL ORGANIC CARBON				9 MG/L		J									
TOTAL ORGANIC HALOGENS				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.17 MG/L		-									
TOTAL SOLIDS				452 MG/L		-									
INORGANICS															
ALUMINUM	.0291 MG/L		U	.0262 MG/L		U							.2 MG/L		UNV
ANTIMONY	.045 MG/L		U	.045 MG/L		U							.02 MG/L		UNV
ARSENIC	.0042 MG/L		-	.004 MG/L		-							.006 MG/L		NV
BARIUM	.0891 MG/L		-	.0854 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
CALCIUM	85.2 MG/L		-	82.5 MG/L		-							96 MG/L		NV
CHROMIUM	.005 MG/L		U	.005 MG/L		U							.002 MG/L		UNV
COBALT	.008 MG/L		U	.008 MG/L		U							.005 MG/L		UNV
COPPER	.009 MG/L		U	.0045 MG/L		U							.02 MG/L		UNV
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ									

SAMPLE NUMBER:	GW930412-6			GW930412-6			GW930113-6			GW930113-6			GW930113-6		
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	1.77 MG/L		-	1.65 MG/L		-							1.77 MG/L		NV
LEAD	.0019 MG/L		UJ	.0032 MG/L		UJ							.003 MG/L		UNV
MAGNESIUM	42.5 MG/L		-	40.5 MG/L		-							45.9 MG/L		NV
MANGANESE	.0388 MG/L		-	.0372 MG/L		-							.054 MG/L		NV
MERCURY	.0002 MG/L		U	.0004 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	.908 MG/L		-	.963 MG/L		-									
SELENIUM	.001 MG/L		U	.001 MG/L		UJ							.005 MG/L		UNV
SILVER	.007 MG/L		U	.007 MG/L		U							.001 MG/L		UNV
SODIUM	10.8 MG/L		-	10.5 MG/L		-									
THALLIUM	.002 MG/L		U	.002 MG/L		UJ							.01 MG/L		UNV
VANADIUM	.003 MG/L		U	.003 MG/L		U							.05 MG/L		UNV
ZINC	.0102 MG/L		U	.0066 MG/L		U							.02 MG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL							.5 UG/L		UNV	.5 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 UG/L		UNV						
RADIUM-228							3 PCI/L	1.1	UNV						
THORIUM-228							.2 PCI/L	.1	UNV						
GROSS ALPHA							1.3 PCI/L	1.7	NV						
GROSS BETA							2.7 PCI/L	2.3	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		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									

SAMPLE NUMBER:	GW930412-6			GW930412-6			GW930113-6			GW930113-6			GW930113-6		
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															
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:	GW930113-6			EMGW_SYSGEN_37			EMGW_SYSGEN_37			EMGW_SYSGEN_40			EMGW_SYSGEN_40		
TASK:	RCRA			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			NET		
WELL OR BORING NUMBER:	1024			1024			1024			1024			1024		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-JAN-93			13-NOV-90			13-NOV-90			15-JUL-91			15-JUL-91		
NORTH COORDINATE:	482481.13			482481.13			482481.13			482481.13			482481.13		
EAST COORDINATE:	1378892.98			1378892.98			1378892.98			1378892.98			1378892.98		
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	366 MG/L		NV				347 MG/L		NV				392 MG/L		NV
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.41 MG/L		NV				.57 MG/L		NV				.34 MG/L		NV
BICARBONATE ALKALINITY	506 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	4 MG/L		NV				2 MG/L		NV				2 MG/L		NV
FLUORIDE	1.17 MG/L		NV				.82 MG/L		NV				.93 MG/L		NV
NITRATE	.02 MG/L		UNV				.02 MG/L		UNV				.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
NITRATE/NITRITE							.02 MG/L		UNV						
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.25 SU		NV				7.08 SU		NV				7.34 SU		NV
PHENOLS	.01 MG/L		UNV				.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS	.1 MG/L		UNV				.06 MG/L		NV				.1 MG/L		UNV
SPECIFIC CONDUCTIVITY	792 UMHOS/CM		NV				712 UMHOS/CM		NV				743 UMHOS/CM		NV
SULFATE	64 MG/L		NV				44 MG/L		NV				67 MG/L		NV
TOTAL DISSOLVED SOLIDS							508 MG/L		NV				372 MG/L		NV
TOTAL ORGANIC CARBON	9 MG/L		NV				3 MG/L		NV				8 MG/L		NV
TOTAL ORGANIC HALIDES	.01 MG/L		UNV												
TOTAL ORGANIC HALOGENS							.614 MG/L		NV				.01 MG/L		UNV
TOTAL SOLIDS	468 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.5 MG/L		UNV	15.8 MG/L		NV	.2 MG/L		UNV	.72 MG/L		NV
ANTIMONY	.02 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.0061 MG/L		NV	.005 MG/L		NV	.035 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.342 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV	.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	.002 MG/L		NV	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	93 MG/L		NV	78.4 MG/L		NV	146 MG/L		NV	84 MG/L		NV	89 MG/L		NV
CHROMIUM	.002 MG/L		UNV				.005 MG/L		UNV				.0077 MG/L		NV

SAMPLE NUMBER:	GW930113-6			EMGW_SYSGEN_37			EMGW_SYSGEN_37			EMGW_SYSGEN_40			EMGW_SYSGEN_40		
LAB:	NET			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															
COBALT	.005 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.02 MG/L		UNV	.025 MG/L		UNV	.085 MG/L		NV	.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV				.005 MG/L		UNV
IRON	1.97 MG/L		NV	1.31 MG/L		NV	78.3 MG/L		NV	.91 MG/L		NV	2.32 MG/L		NV
LEAD	.003 MG/L		UNV	.005 MG/L		UNV	.046 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	45.8 MG/L		NV	38 MG/L		NV	41 MG/L		NV	22 MG/L		NV	40 MG/L		NV
MANGANESE	.06 MG/L		NV	.063 MG/L		NV	1.05 MG/L		NV	.079 MG/L		NV	.103 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.0109 MG/L		NV	.025 MG/L		UNV	.039 MG/L		NV	.01 MG/L		UNV	.014 MG/L		NV
NICKEL	.01 MG/L		UNV	.005 MG/L		UNV	.083 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	1.3 MG/L		NV	1.48 MG/L		NV	4.84 MG/L		NV	1.5 MG/L		NV	1.7 MG/L		NV
SELENIUM	.005 MG/L		UNV	.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	.001 MG/L		UNV
SODIUM	11.2 MG/L		NV	8.2 MG/L		NV	13 MG/L		NV	15 MG/L		NV	18 MG/L		NV
THALLIUM	.01 MG/L		UNV	.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	.178 MG/L		NV	.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.147 MG/L		NV	.032 MG/L		NV	.048 MG/L		NV
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				1 UG/L		UNV				1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE	20 UG/L		UNV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV				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 UG/L		UNV
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	GW930113-6			EMGW_SYSGEN_37			EMGW_SYSGEN_37			EMGW_SYSGEN_40			EMGW_SYSGEN_40		
LAB:	NET			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															
1,1,2-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
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE	10 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
2-HEXANONE	10 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
4-METHYL-2-PENTANONE	10 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
ACETONE	10 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	5 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	10 UG/L		UNV				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	10 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
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV				2 UG/L		UNV				2 UG/L		UNV
VINYL CHLORIDE	5 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_40	EMGW_SYSGEN_35	EMGW_SYSGEN_35	EMGW_SYSGEN_35	EMGW_SYSGEN_34
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	WMCO	IT	NET	NET	IT
WELL OR BORING NUMBER:	1024	1024	1024	1024	1024
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUL-91	15-MAY-90	15-MAY-90	15-MAY-90	18-FEB-90
NORTH COORDINATE:	482481.13	482481.13	482481.13	482481.13	482481.13
EAST COORDINATE:	1378892.98	1378892.98	1378892.98	1378892.98	1378892.98
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										2 MG/L		NV			
FLUORIDE										.62 MG/L		NV			
NITRATE, AS NITROGEN										.07 MG/L		NV			
PHENOLS										.005 MG/L		UNV			
SULFATE										46 MG/L		NV			
TOTAL ORGANIC CARBON										2 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.05 MG/L		UNV	2.29 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.005 MG/L		NV	.006 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							95.2 MG/L		NV	104 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			
CYANIDE										.005 MG/L		UNV			
IRON							1.48 MG/L		NV	5.05 MG/L		NV			
LEAD							.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							28 MG/L		NV	58 MG/L		NV			
MANGANESE							.063 MG/L		NV	.15 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							1.35 MG/L		NV	1.82 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							11.8 MG/L		NV	15.9 MG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_40			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_34		
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															
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.															
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										.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				.2 PCI/L		UNV							1 PCI/L		UNV
URANIUM, TOTAL	.8 UG/L		NV	1 UG/L		UNV							2.2 UG/L		NV
URANIUM-234				.396 PCI/L		NV							1 PCI/L		UNV
THORIUM-230				.604 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.2 PCI/L		UNV									
THORIUM-232				.34 PCI/L		UNV									
THORIUM, TOTAL				3 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_40			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_34		
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)
RADIONUCLIDES															
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.34 PCI/L		UNV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
STRONTIUM-90				1.39 PCI/L		NV									
TECHNETIUM-99				26 PCI/L		UNV							15 PCI/L		UNV
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				12 PCI/L		UNV									
GROSS ALPHA				11 PCI/L		UNV									
GROSS BETA				28 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-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			

SAMPLE NUMBER:	EMGW_SYSGEN_40			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_34		
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)
SEMIVOLATILES															
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			
PYRENE										4 UG/L		UNV			
PYRIDINE										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			

SAMPLE NUMBER:	EMGW_SYSGEN_40			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_35			EMGW_SYSGEN_34		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_34			EMGW_SYSGEN_34			003106			003106			066650		
TASK:	GWMON			GWMON			3.2.4			3.2.4			9.27		
LAB:	NET			NET			IT			IT			IT		
WELL OR BORING NUMBER:	1024			1024			1024			1024			1024		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-FEB-90			18-FEB-90			21-APR-88			21-APR-88			21-NOV-89		
NORTH COORDINATE:	482481.13			482481.13			482481.13			482481.13			482481.13		
EAST COORDINATE:	1378892.98			1378892.98			1378892.98			1378892.98			1378892.98		
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										.58 MG/L		-			
CHLORIDE				2 MG/L		NV				1.4 MG/L		J			
FLUORIDE				.68 MG/L		NV				.83 MG/L		J			
NITRATE				.02 MG/L		NV				.1 MG/L		R			
NITRATE, AS NITROGEN				.02 MG/L		NV									
PHENOLS				.005 MG/L		UNV				.01 MG/L		U			
PHOSPHORUS										.05 MG/L		UJ			
SULFATE				43 MG/L		NV				50 MG/L		-			
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM	.05 MG/L		UNV	.261 MG/L		NV									
ARSENIC	.005 MG/L		NV	.006 MG/L		NV	.2 MG/L		UJ						
BARIUM	.2 MG/L		UNV	.253 MG/L		NV	.091 MG/L		J						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
CADMIUM							.005 MG/L		UJ						
CALCIUM	88.9 MG/L		NV	95.8 MG/L		NV	83.8 MG/L		-						
CHROMIUM				.005 MG/L		UNV	.02 MG/L		UJ						
COBALT	.025 MG/L		UNV	.025 MG/L		UNV									
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UJ						
IRON	1.48 MG/L		NV	2.12 MG/L		NV	.667 MG/L		J						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.05 MG/L		UJ						
MAGNESIUM	43.3 MG/L		NV	43.4 MG/L		NV	40.5 MG/L		-						
MANGANESE	.08 MG/L		NV	.115 MG/L		NV	.08 MG/L		J						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		UJ						
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV	.021 MG/L		J						
POTASSIUM							1.64 MG/L		J						
SELENIUM							.2 MG/L		UJ						

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SAMPLE NUMBER:	EMGW_SYSGEN_34			EMGW_SYSGEN_34			003106			003106			066650		
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															
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		UJ						
SODIUM	26.3 MG/L		NV	25.7 MG/L		NV	19.7 MG/L		-						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		UNV	.02 MG/L		UNV									
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U	.665 PCI/L	.224	R
URANIUM, TOTAL										1 UG/L		U	1.79 UG/L	.194	R
URANIUM-234										1 PCI/L		U	1.09 PCI/L	.289	R
THORIUM-230										1 PCI/L		U	34.8 PCI/L	5.99	R
RADIUM-226										1 PCI/L		R			
URANIUM-235/236										1 PCI/L		U	.0416 PCI/L	.1	R
THORIUM-232										1 PCI/L		U			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1 PCI/L		U	1.39 PCI/L	.636	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		U			
TECHNETIUM-99										30 PCI/L		U	1.75 PCI/L	11.7	R
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
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				2.7 UG/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066651			066651			003847			003847			003376		
TASK:	9.27			9.27			3.2.4			3.2.4			3.2.4		
LAB:	WMCO			WMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1024			1024			1024			1024			1024		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-NOV-89			21-NOV-89			22-JAN-89			22-JAN-89			26-JUL-88		
NORTH COORDINATE:	482481.13			482481.13			482481.13			482481.13			482481.13		
EAST COORDINATE:	1378892.98			1378892.98			1378892.98			1378892.98			1378892.98		
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										.2 MG/L		-			
CHLORIDE				2 MG/L		NV				1.5 MG/L		U			
FLUORIDE				.85 MG/L		NV				1 MG/L		-			
NITRATE				.44 MG/L		NV				.05 MG/L		R			
PHENOLS				.012 MG/L		NV				.01 MG/L		U			
PHOSPHORUS										.1 MG/L		-			
SULFATE				48 MG/L		NV				48 MG/L		-			
TOTAL KJELDAHL NITROGEN										.2 MG/L		-			
TOTAL ORGANIC CARBON				1 MG/L		NV									
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM	.294 MG/L		NV	3.11 MG/L		NV							.01 MG/L		U
ARSENIC	.0025 MG/L		UNV	.006 MG/L		NV	.003 MG/L		U				.2 MG/L		U
BARIUM	.2 MG/L		UNV	.254 MG/L		NV	.09 MG/L		-						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.005 MG/L		U
CADMIUM							.007 MG/L		-				130 MG/L		-
CALCIUM	85.2 MG/L		NV	98.2 MG/L		NV	89 MG/L		-				.12 MG/L		-
CHROMIUM	.005 MG/L		UNV	.005 MG/L		NV	.022 MG/L		-						
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.025 MG/L		U
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.013 MG/L		-				4.9 MG/L		-
IRON	.627 MG/L		NV	4.66 MG/L		NV	.061 MG/L		-				.2 MG/L		U
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ				31 MG/L		-
MAGNESIUM	40.7 MG/L		NV	43.8 MG/L		NV	44 MG/L		-				.22 MG/L		-
MANGANESE	.146 MG/L		NV	.245 MG/L		NV	.09 MG/L		-				.0004 MG/L		-
MERCURY							.0002 MG/L		U				.05 MG/L		U
MOLYBDENUM							.02 MG/L		U				.18 MG/L		U
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV	.026 MG/L		-				5 MG/L		-
POTASSIUM							1.37 MG/L		-				.005 MG/L		U
SELENIUM							.002 MG/L		U						

SAMPLE NUMBER:	066651			066651			003847			003847			003376		
LAB:	WMCO			WMCO			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															
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.0005 MG/L		U				.01 MG/L		U
SODIUM	31.8 MG/L		NV	27.9 MG/L		NV	16.6 MG/L		-				12 MG/L		-
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV									
ZINC	.02 MG/L		UNV	.028 MG/L		NV									
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 PCI/L		U			
URANIUM-235/236										1 PCI/L		U			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										3 UG/L		U			
RADIUM-228										3.4 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			
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 1 WELLS

SAMPLE NUMBER:	003376			066420			066420			EMGW_SYSGEN_38			EMGW_SYSGEN_38		
TASK:	3.2.4			9.25			9.25			GWMON			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1024			1024			1024			1024			1024		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-JUL-88			26-JUN-89			26-JUN-89			27-FEB-91			27-FEB-91		
NORTH COORDINATE:	482481.13			482481.13			482481.13			482481.13			482481.13		
EAST COORDINATE:	1378892.98			1378892.98			1378892.98			1378892.98			1378892.98		
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	18 MG/L		-				.5 MG/L		U						
FLUORIDE	1.3 MG/L		-				.94 MG/L		-						
NITRATE	.1 MG/L		R				.1 MG/L		R						
PHENOLS	.05 MG/L		U												
PHOSPHORUS	.18 MG/L		-												
SULFATE	130 MG/L		-				49.1 MG/L		-						
TOTAL ORGANIC CARBON							3.266 MG/L		U						
TOTAL ORGANIC HALIDES							.067 MG/L		J						
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM				.1206 MG/L		-							.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC													.005 MG/L		NV
BARIUM				.0944 MG/L		-							.2 MG/L		UNV
BERYLLIUM				.0018 MG/L		-							.01 MG/L		UNV
CADMIUM													.001 MG/L		UNV
CALCIUM				89.2 MG/L		-							71.6 MG/L		NV
CHROMIUM				.0345 MG/L		-									
COBALT				.01 MG/L		U							.025 MG/L		UNV
COPPER				.01 MG/L		U							.025 MG/L		UNV
IRON				1.074 MG/L		-							1.5 MG/L		NV
LEAD				.0027 MG/L		-							.005 MG/L		UNV
MAGNESIUM				44.2 MG/L		-							35 MG/L		NV
MANGANESE													.058 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.025 MG/L		UNV
NICKEL				.0224 MG/L		-							.005 MG/L		UNV
POTASSIUM													1 MG/L		UNV
SELENIUM													.0025 MG/L		UNV

SAMPLE NUMBER:	003376			066420			066420			EMGW_SYSGEN_38			EMGW_SYSGEN_38		
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															
SILVER				.0105 MG/L		-							.001 MG/L		UNV
SODIUM													10.7 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM				.0195 MG/L		-							.05 MG/L		UNV
ZINC				.0317 MG/L		-							.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1.5 PCI/L	.3	-	.2 PCI/L		UNV			
URANIUM, TOTAL	2 UG/L	1	J				4 UG/L	1	-	.529 UG/L		NV			
URANIUM-234	1.7 PCI/L	.4	J				1.9 PCI/L	.4	-	.282 PCI/L		NV			
THORIUM-230	1 PCI/L		U				2 PCI/L	.8	-	.202 PCI/L		NV			
RADIUM-226	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							.2 PCI/L		UNV			
THORIUM, TOTAL	3 UG/L		U							1.8 UG/L		UNV			
RADIUM-228	3 PCI/L		U							3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U				1.6 PCI/L	.8	-	.2 PCI/L		UNV			
NEPTUNIUM-237	1 PCI/L		U							.5 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		U				30 PCI/L		U	19 PCI/L		UNV			
RUTHENIUM-106	150 PCI/L		R							150 PCI/L		UNV			
CESIUM-137	20 PCI/L		R							6.2 PCI/L		UNV			
GROSS ALPHA										8.5 PCI/L		UNV			
GROSS BETA										5.1 PCI/L		UNV			
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_38	EMGW_SYSGEN_38D	EMGW_SYSGEN_38D	EMGW_SYSGEN_38D	EMGW_SYSGEN_46
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	1024	1024	1024	1024	1025
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-FEB-91	27-FEB-91	27-FEB-91	27-FEB-91	03-MAY-90
NORTH COORDINATE:	482481.13	482481.13	482481.13	482481.13	482021.82
EAST COORDINATE:	1378892.98	1378892.98	1378892.98	1378892.98	1378309.51
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:		EMGW_SYSGEN_38	EMGW_SYSGEN_38	EMGW_SYSGEN_38	
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	389 MG/L		NV							384 MG/L		NV			
AMMONIA	.48 MG/L		NV							.54 MG/L		NV			
CHLORIDE	2 MG/L		NV							2 MG/L		NV			
FLUORIDE	.87 MG/L		NV							.83 MG/L		NV			
NITRATE, AS NITROGEN	.02 MG/L		UNV							.02 MG/L		UNV			
PH	7.18 SU		NV							7.14 SU		NV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS	.18 MG/L		NV							.21 MG/L		NV			
SPECIFIC CONDUCTIVITY	733 UMHOS/CM		NV							740 UMHOS/CM		NV			
SULFATE	61 MG/L		NV							58 MG/L		NV			
TOTAL DISSOLVED SOLIDS	418 MG/L		NV							424 MG/L		NV			
TOTAL ORGANIC CARBON	4 MG/L		NV							5 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV							.01 MG/L		UNV			
INORGANICS															
ALUMINUM	.8 MG/L		NV				.5 MG/L		UNV	.74 MG/L		NV			
ANTIMONY	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.007 MG/L		NV				.006 MG/L		NV	.006 MG/L		NV			
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	74.4 MG/L		NV				75.7 MG/L		NV	68.1 MG/L		NV			
CHROMIUM	.007 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			
CYANIDE	.005 MG/L		UNV							.005 MG/L		UNV			
IRON	3.54 MG/L		NV				1.53 MG/L		NV	3.21 MG/L		NV			
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	44 MG/L		NV				33 MG/L		NV	42 MG/L		NV			
MANGANESE	.119 MG/L		NV				.057 MG/L		NV	.117 MG/L		NV			
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_38			EMGW_SYSGEN_38D			EMGW_SYSGEN_38D			EMGW_SYSGEN_38D			EMGW_SYSGEN_46		
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															
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	1.43 MG/L		NV				1 MG/L		UNV	1.24 MG/L		NV			
SELENIUM	.0025 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER	.002 MG/L		NV				.001 MG/L		UNV	.003 MG/L		NV			
SODIUM	11.6 MG/L		NV				12.2 MG/L		NV	11.6 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			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				.269 PCI/L		NV							.36 PCI/L		UNV
URANIUM, TOTAL				.481 UG/L		NV							7.99 UG/L	.87	NV
URANIUM-234				.2 PCI/L		UNV							.36 PCI/L		UNV
THORIUM-230				.303 PCI/L		NV							1.87 PCI/L		NV
RADIUM-226				1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236				.2 PCI/L		UNV							.36 PCI/L		UNV
THORIUM-232				.2 PCI/L		UNV							.68 PCI/L		UNV
THORIUM, TOTAL				1.7 UG/L		UNV							6.1 UG/L		UNV
RADIUM-228				3 PCI/L		UNV							17 PCI/L		UNV
THORIUM-228				.851 PCI/L		NV							.808 PCI/L		NV
NEPTUNIUM-237				.5 PCI/L		UNV							.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
STRONTIUM-90													1.34 PCI/L		NV
TECHNETIUM-99				19 PCI/L		UNV							27 PCI/L		UNV
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		UNV
CESIUM-137				6.5 PCI/L		UNV							12 PCI/L		UNV
GROSS ALPHA				8.65 PCI/L		NV							.0588 PCI/L	.0359	NV
GROSS BETA				5.2 PCI/L		UNV							.1 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			

SAMPLE NUMBER:	EMGW_SYSGEN_38			EMGW_SYSGEN_38D			EMGW_SYSGEN_38D			EMGW_SYSGEN_38D			EMGW_SYSGEN_46		
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															
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							2 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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_46	EMGW_SYSGEN_46	003546	003934	003934
TASK:	GWMON	GWMON	3.2.4	3.2.4	3.2.4
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	1025	1025	1025	1025	1025
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-MAY-90	03-MAY-90	05-FEB-89	05-FEB-89	05-FEB-89
NORTH COORDINATE:	482021.82	482021.82	482021.82	482021.82	482021.82
EAST COORDINATE:	1378309.51	1378309.51	1378309.51	1378309.51	1378309.51
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				889 MG/L		NV							940 MG/L		-
FLUORIDE				.97 MG/L		NV							.44 MG/L		J
NITRATE				146 MG/L		NV							176 MG/L		J
NITRATE, AS NITROGEN				146 MG/L		NV									
PHENOLS				.005 MG/L		UNV							.01 MG/L		UJ
PHOSPHORUS													1.96 MG/L		J
SULFATE				197 MG/L		NV							432 MG/L		-
TOTAL KJELDAHL NITROGEN													.234 MG/L		J
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS				.119 MG/L		NV									
TOTAL ORGANIC NITROGEN													.234 MG/L		J
INORGANICS															
ALUMINUM	.05 MG/L		UNV	47.3 MG/L		NV									
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV									
ARSENIC	.0025 MG/L		UNV	.022 MG/L		NV				.004 MG/L		-			
BARIUM	.2 MG/L		UNV	.835 MG/L		NV				.086 MG/L		-			
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV				.031 MG/L		-			
CALCIUM	429 MG/L		NV	656 MG/L		NV				521 MG/L		-			
CHROMIUM				.005 MG/L		UNV				.066 MG/L		-			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV									
COPPER	.025 MG/L		UNV	.08 MG/L		NV				.034 MG/L		-			
CYANIDE				.005 MG/L		UNV									
IRON	.05 MG/L		UNV	51.6 MG/L		NV				.82 MG/L		-			
LEAD	.005 MG/L		UNV	.023 MG/L		NV				.003 MG/L		UJ			
MAGNESIUM	177 MG/L		NV	279 MG/L		NV				218 MG/L		-			
MANGANESE	.087 MG/L		NV	1.63 MG/L		NV				.33 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV				.0011 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_46			EMGW_SYSGEN_46			003546			003934			003934		
LAB:	NET			NET			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															
MOLYBDENUM	.025 MG/L		UNV	.045 MG/L		NV				.02 MG/L		U			
NICKEL	.081 MG/L		NV	.193 MG/L		NV				.143 MG/L		-			
POTASSIUM	7.4 MG/L		NV	11.8 MG/L		NV				4.1 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				.0005 MG/L		U			
SODIUM	150 MG/L		NV	187 MG/L		NV				171 MG/L		-			
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
VANADIUM	.05 MG/L		UNV	.164 MG/L		NV									
ZINC	.02 MG/L		UNV	.124 MG/L		NV									
No sort code listed.															
3-METHYLPHENOL				4 UG/L		UNV									
DIPHENYLAMINE				15 UG/L		UNV									
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						
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_46			EMGW_SYSGEN_46			003546			003934			003934		
LAB:	NET			NET			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															
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													5.4 PCI/L	1.3	-
URANIUM, TOTAL													10 UG/L	2	-
URANIUM-234													4.9 PCI/L	1.3	-
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													7 UG/L	2	-
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		UJ
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-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									

SAMPLE NUMBER:	EMGW_SYSGEN_46			EMGW_SYSGEN_46			003546			003934			003934		
LAB:	NET			NET			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															
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									
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							.01 MG/L		UJ
PYRENE				4 UG/L		UNV									
PYRIDINE				4 UG/L		UNV									
VOLATILES															

000805

SAMPLE NUMBER:	EMGW_SYSGEN_46	EMGW_SYSGEN_46	003546	003934	003934
LAB:	NET	NET	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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_47			EMGW_SYSGEN_47			EMGW_SYSGEN_47			GW930106-17			GW930106-17		
TASK:	GWMON			GWMON			GWMON			RCRA			RCRA		
LAB:	IT			NET			NET			CORE			FERMCO Laboratory		
WELL OR BORING NUMBER:	1025			1025			1025			1025			1025		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-AUG-90			06-AUG-90			06-AUG-90			06-JAN-93			06-JAN-93		
NORTH COORDINATE:	482021.82			482021.82			482021.82			482021.82			482021.82		
EAST COORDINATE:	1378309.51			1378309.51			1378309.51			1378309.51			1378309.51		
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															
CHLORIDE							859 MG/L		NV						
FLUORIDE							.36 MG/L		NV						
NITRATE, AS NITROGEN							130 MG/L		NV						
PHENOLS							.005 MG/L		UNV						
SULFATE							368 MG/L		NV						
TOTAL ORGANIC CARBON							6 MG/L		NV						
TOTAL ORGANIC HALOGENS							.044 MG/L		NV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	47 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.034 MG/L		NV						
BARIUM				.24 MG/L		NV	.629 MG/L		NV						
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				279 MG/L		NV	718 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COBALT				.025 MG/L		UNV	.038 MG/L		NV						
COPPER				.025 MG/L		UNV	.085 MG/L		NV						
IRON				.05 MG/L		UNV	70.1 MG/L		NV						
LEAD				.005 MG/L		UNV	.084 MG/L		NV						
MAGNESIUM				178 MG/L		NV	277 MG/L		NV						
MANGANESE				.22 MG/L		NV	2.57 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.073 MG/L		NV						
NICKEL				.058 MG/L		NV	.179 MG/L		NV						
POTASSIUM				6.86 MG/L		NV	16 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				208 MG/L		NV	248 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_47			EMGW_SYSGEN_47			EMGW_SYSGEN_47			GW930106-17			GW930106-17		
LAB:	IT			NET			NET			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															
VANADIUM				.05 MG/L		UNV	.183 MG/L		NV						
ZINC				.02 MG/L		UNV	.188 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	11.5 PCI/L		NV												
URANIUM, TOTAL	34.5 UG/L		NV							4.8 UG/L		NV	5.9 UG/L		NV
URANIUM-234	13.4 PCI/L		NV												
THORIUM-230	.65 PCI/L		UNV							.5 PCI/L	.2	NV			
RADIUM-226	1 PCI/L		UNV							1.3 PCI/L	.4	NV			
URANIUM-235/236	.884 PCI/L		NV												
THORIUM-232	.65 PCI/L		UNV							.2 PCI/L	.1	UNV			
THORIUM, TOTAL	5.8 UG/L		UNV							1.4 UG/L		NV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L	1	UNV			
THORIUM-228	1.3 PCI/L		NV							.2 PCI/L	.1	UNV			
TECHNETIUM-99										23.9 PCI/L	5.9	NV			
GROSS ALPHA										3.2 PCI/L	11.2	UNV			
GROSS BETA										66.7 PCI/L	16.9	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						
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						

SAMPLE NUMBER:	EMGW_SYSGEN_47			EMGW_SYSGEN_47			EMGW_SYSGEN_47			GW930106-17			GW930106-17		
LAB:	IT			NET			NET			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															
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:	GW930106-17			GW930106-17			GW930707-3			GW930707-3			GW930707-3		
TASK:	RCRA			RCRA			50.03.23			50.03.23			50.03.23		
LAB:	NET			NET			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	1025			1025			1025			1025			1025		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-JAN-93			06-JAN-93			07-JUL-93			07-JUL-93			07-JUL-93		
NORTH COORDINATE:	482021.82			482021.82			482021.82			482021.82			482021.82		
EAST COORDINATE:	1378309.51			1378309.51			1378309.51			1378309.51			1378309.51		
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				349 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.09 MG/L		NV									
BICARBONATE ALKALINITY				458 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				839 MG/L		NV									
FLUORIDE				.38 MG/L		NV									
NITRATE				.99 MG/L		NV									
NITRITE, AS NITROGEN				.04 MG/L		NV									
PH				6.82 SU		NV									
PHENOLS				.01 MG/L		UNV									
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				4820 UMHOS/CM		NV									
SULFATE				644 MG/L		NV									
TOTAL DISSOLVED SOLIDS	3530 MG/L		NV												
TOTAL ORGANIC CARBON				21 MG/L		NV									
TOTAL ORGANIC HALIDES				.02 MG/L		NV									
TOTAL SOLIDS				3570 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	1.8 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	521 MG/L		NV	480 MG/L		NV									
CHROMIUM	.0025 MG/L		NV	.0254 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:	GW930106-17			GW930106-17			GW930707-3			GW930707-3			GW930707-3		
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															
IRON	.1 MG/L		UNV	4.5 MG/L		NV									
LEAD	.003 MG/L		UNV	.003 MG/L		UNV									
MAGNESIUM	184 MG/L		NV	171 MG/L		NV									
MANGANESE	.066 MG/L		NV	.278 MG/L		NV									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV									
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV									
NICKEL	.027 MG/L		NV	.033 MG/L		NV									
POTASSIUM				6.6 MG/L		NV									
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV									
SILVER	.001 MG/L		UNV	.001 MG/L		UNV									
SODIUM				180 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	.022 MG/L		NV									
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							1.9 PCI/L	.4	J	1.6 PCI/L	.4	J			
URANIUM, TOTAL							6.2 UG/L	.4	-	28.3 UG/L	2	-	8 UG/L		NV
URANIUM-234							1.8 PCI/L	.4	J	2.1 PCI/L	.4	J			
THORIUM-230							.3 PCI/L	.2	J	.2 PCI/L	.2	UJ			
RADIUM-226							1 PCI/L	.5	UJ	1.3 PCI/L	.3	J			
URANIUM-235/236							.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ			
THORIUM-232							.4 PCI/L	.5	J	.3 PCI/L	.4	J			
THORIUM, TOTAL							3.64801488 PCI/L	.5	NV	2.73607092 PCI/L	.4	NV			
RADIUM-228							3 PCI/L	1.4	UJ	3 PCI/L	1.2	U			
THORIUM-234							.2 PCI/L	.5	UJ	.5 PCI/L	.5	J			
TECHNETIUM-99							33.8 PCI/L	9.3	-	24.4 PCI/L	7.1	-			

SAMPLE NUMBER:	GW930106-17			GW930106-17			GW930707-3			GW930707-3			GW930707-3		
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)
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									
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:	GW930707-3			GW930707-3			GW930707-3			EMGW_SYSGEN_48			EMGW_SYSGEN_48		
TASK:	50.03.23			50.03.23			50.03.23			GWMON			GWMON		
LAB:	FERMCO			TCT			TCT			IT			NET		
WELL OR BORING NUMBER:	1025			1025			1025			1025			1025		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUL-93			07-JUL-93			07-JUL-93			07-NOV-90			07-NOV-90		
NORTH COORDINATE:	482021.82			482021.82			482021.82			482021.82			482021.82		
EAST COORDINATE:	1378309.51			1378309.51			1378309.51			1378309.51			1378309.51		
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							368 MG/L		-						
AMMONIA							.0892 MG/L		-						
CHLORIDE							993 MG/L		-						
FLUORIDE							.29 MG/L		-						
NITRATE/NITRITE							132 MG/L		-						
PHOSPHATE							.25 MG/L		R						
SULFATE							585 MG/L		-						
TOTAL KJELDAHL NITROGEN							.3 MG/L		U						
TOTAL ORGANIC NITROGEN							.3 MG/L		U						
INORGANICS															
ALUMINUM				.614 MG/L		-	1.01 MG/L		-				.5 MG/L		UNV
ANTIMONY				.014 MG/L		U	.014 MG/L		U				.025 MG/L		UNV
ARSENIC				.002 MG/L		UJ	.01 MG/L		U				.0025 MG/L		UNV
BARIUM				.0475 MG/L		-	.0514 MG/L		-				.2 MG/L		UNV
BERYLLIUM				.01 MG/L		R	.0175 MG/L		R				.01 MG/L		UNV
CADMIUM				.0113 MG/L		J	.005 MG/L		UJ				.001 MG/L		UNV
CALCIUM				562 MG/L		-	526 MG/L		-				30.5 MG/L		NV
CHROMIUM				.011 MG/L		J	.017 MG/L		J						
COBALT				.017 MG/L		U	.017 MG/L		U				.025 MG/L		UNV
COPPER				.009 MG/L		U	.009 MG/L		U				.025 MG/L		UNV
CYANIDE							.005 MG/L		U						
IRON				.154 MG/L		U	.812 MG/L		-				.05 MG/L		UNV
LEAD				.0014 MG/L		J	.0031 MG/L		J				.005 MG/L		UNV
MAGNESIUM				217 MG/L		-	202 MG/L		-				135 MG/L		NV
MANGANESE				.093 MG/L		-	.221 MG/L		-				.273 MG/L		NV
MERCURY				.0001 MG/L		U	.0001 MG/L		U				.0002 MG/L		UNV
MOLYBDENUM				.017 MG/L		UJ	.017 MG/L		UJ				.025 MG/L		UNV
NICKEL				.0228 MG/L		J	.018 MG/L		UJ				.099 MG/L		NV
POTASSIUM				5.82 MG/L		-	5.65 MG/L		-				6.22 MG/L		NV
SELENIUM				.005 MG/L		UJ	.005 MG/L		UJ				.0025 MG/L		UNV

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SAMPLE NUMBER:	GW930707-3			GW930707-3			GW930707-3			EMGW_SYSGEN_48			EMGW_SYSGEN_48		
LAB:	FERMCO			TCT			TCT			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															
SILICON				7.3 MG/L		-	7.55 MG/L		-						
SILVER				.002 MG/L		U	.004 MG/L		-				.001 MG/L		UNV
SODIUM				193 MG/L		-	180 MG/L		-				190 MG/L		NV
THALLIUM				.005 MG/L		UJ	.006 MG/L		J				.01 MG/L		UNV
VANADIUM				.0434 MG/L		-	.0459 MG/L		-				.05 MG/L		UNV
ZINC				.006 MG/L		U	.006 MG/L		U				.029 MG/L		NV
RADIONUCLIDES															
URANIUM-238										2.36 PCI/L		NV			
URANIUM, TOTAL	8.1 UG/L		NV							6.62 UG/L		NV			
URANIUM-234										3.19 PCI/L		NV			
THORIUM-230										.68 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.233 PCI/L		NV			
THORIUM-232										.68 PCI/L		UNV			
THORIUM, TOTAL										6.1 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										1.02 PCI/L		NV			
NEPTUNIUM-237										.5 PCI/L		UNV			
PLUTONIUM-239/240										.5 PCI/L		UNV			
PLUTONIUM-238										.5 PCI/L		UNV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										6.7 PCI/L		UNV			
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							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						

SAMPLE NUMBER:	GW930707-3			GW930707-3			GW930707-3			EMGW_SYSGEN_48			EMGW_SYSGEN_48		
LAB:	FERMCO			TCT			TCT			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															
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							2 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:	EMGW_SYSGEN_48	EMGW_SYSGEN_52	EMGW_SYSGEN_52	EMGW_SYSGEN_52	003493
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	NET	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	1025	1025	1025	1025	1025
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-NOV-90	09-OCT-91	09-OCT-91	09-OCT-91	11-AUG-88
NORTH COORDINATE:	482021.82	482021.82	482021.82	482021.82	482021.82
EAST COORDINATE:	1378309.51	1378309.51	1378309.51	1378309.51	1378309.51
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	253 MG/L		NV				344 MG/L		NV						
AMMONIA	.23 MG/L		NV				.02 MG/L		UNV						
CHLORIDE	788 MG/L		NV				871 MG/L		NV						
FLUORIDE	.42 MG/L		NV				.45 MG/L		NV						
NITRATE, AS NITROGEN							16.4 MG/L		NV						
NITRATE/NITRITE	142 MG/L		NV												
PH	6.79 SU		NV				6.68 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS	.85 MG/L		NV				.41 MG/L		NV						
SPECIFIC CONDUCTIVITY	4790 UMHOS/CM		NV				4760 UMHOS/CM		NV						
SULFATE	368 MG/L		NV				423 MG/L		NV						
TOTAL DISSOLVED SOLIDS	3700 MG/L		NV				3440 MG/L		NV						
TOTAL ORGANIC CARBON	3 MG/L		NV				29 MG/L		NV						
TOTAL ORGANIC HALOGENS	.285 MG/L		NV				.053 MG/L		NV						
INORGANICS															
ALUMINUM	12.3 MG/L		NV	.2 MG/L		UNV	1.6 MG/L		NV						
ANTIMONY	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC	.013 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM	.434 MG/L		NV	.2 MG/L		UNV	.2 MG/L		UNV						
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	472 MG/L		NV	460 MG/L		NV	510 MG/L		NV						
CHROMIUM	.012 MG/L		NV				.0058 MG/L		NV						
COBALT	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
COPPER	.034 MG/L		NV	.028 MG/L		NV	.028 MG/L		NV						
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON	35.7 MG/L		NV	.11 MG/L		NV	3.5 MG/L		NV						
LEAD	.017 MG/L		NV	.003 MG/L		UNV	.003 MG/L		UNV						
MAGNESIUM	237 MG/L		NV	180 MG/L		NV	170 MG/L		NV						
MANGANESE	1.3 MG/L		NV	.215 MG/L		NV	.386 MG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_48			EMGW_SYSGEN_52			EMGW_SYSGEN_52			EMGW_SYSGEN_52			003493		
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															
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	.077 MG/L		NV	.027 MG/L		NV	.029 MG/L		NV						
POTASSIUM	11 MG/L		NV	7.1 MG/L		NV	8.2 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	169 MG/L		NV	170 MG/L		NV	190 MG/L		NV						
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM	.124 MG/L		NV	.05 MG/L		UNV	.05 MG/L		UNV						
ZINC	.085 MG/L		NV	.085 MG/L		NV	.084 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													2 PCI/L	.4	-
URANIUM, TOTAL										5.6 UG/L		NV	9 UG/L	2	-
URANIUM-234													1.7 PCI/L	.3	-
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													4 UG/L		UJ
RADIUM-228													5 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		U
STRONTIUM-90													5 PCI/L		R
TECHNETIUM-99													30.3 PCI/L	8	-
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						

SAMPLE NUMBER:	EMGW_SYSGEN_48			EMGW_SYSGEN_52			EMGW_SYSGEN_52			EMGW_SYSGEN_52			003493		
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-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_51	EMGW_SYSGEN_51	EMGW_SYSGEN_51	066556	066595
TASK:	GWMON	GWMON	GWMON	9.25	9.25
LAB:	NET	NET	WMCO	IT	IT
WELL OR BORING NUMBER:	1025	1025	1025	1025	1025
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-JUL-91	11-JUL-91	11-JUL-91	11-SEP-89	11-SEP-89
NORTH COORDINATE:	482021.82	482021.82	482021.82	482021.82	482021.82
EAST COORDINATE:	1378309.51	1378309.51	1378309.51	1378309.51	1378309.51
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)
DIOXINS/FURANS															
1,4-DIOXANE										1000 UG/L		U			
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				367 MG/L		NV									
AMMONIA				.02 MG/L		UNV									
CHLORIDE				812 MG/L		NV				1040 MG/L		-			
FLUORIDE				.39 MG/L		NV				.36 MG/L		-			
NITRATE				143 MG/L		NV				132 MG/L		-			
NITRATE, AS NITROGEN				143 MG/L		NV									
PH				6.83 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.13 MG/L		NV									
SPECIFIC CONDUCTIVITY				4560 UMHOS/CM		NV									
SULFATE				592 MG/L		NV				677 MG/L		-			
TOTAL DISSOLVED SOLIDS				4430 MG/L		NV									
TOTAL ORGANIC CARBON				15 MG/L		NV				2.27 MG/L		-			
TOTAL ORGANIC HALIDES										.039 MG/L		-			
TOTAL ORGANIC HALOGENS				.019 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	1.95 MG/L		NV							.582 MG/L		-
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV							.03 MG/L		U
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV							.002 MG/L		UJ
BARIUM	.24 MG/L		NV	.3 MG/L		NV							.0934 MG/L		-
BERYLLIUM	.05 MG/L		UNV	.05 MG/L		UNV							.0025 MG/L		U
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV							.0245 MG/L		J
CALCIUM	440 MG/L		NV	520 MG/L		NV							570 MG/L		-
CHROMIUM				.003 MG/L		NV							.038 MG/L		J
COBALT	.005 MG/L		UNV	.005 MG/L		UNV							.0121 MG/L		J
COPPER	.02 MG/L		UNV	.025 MG/L		NV							.01 MG/L		U

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SAMPLE NUMBER:	EMGW_SYSGEN_51			EMGW_SYSGEN_51			EMGW_SYSGEN_51			066556			066595		
LAB:	NET			NET			WMCO			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															
CYANIDE				.005 MG/L		UNV									
IRON	.1 MG/L		UNV	2.79 MG/L		NV							.286 MG/L		-
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.0025 MG/L		-
MAGNESIUM	180 MG/L		NV	225 MG/L		NV							212 MG/L		-
MANGANESE	.175 MG/L		NV	.287 MG/L		NV							.398 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		U
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV									
NICKEL	.022 MG/L		NV	.026 MG/L		NV							.0559 MG/L		J
OSMIUM													.469 MG/L		R
POTASSIUM	5.9 MG/L		NV	6.3 MG/L		NV							5.46 MG/L		-
SELENIUM	.005 MG/L		UNV	.005 MG/L		UNV							.002 MG/L		UJ
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.01 MG/L		U
SODIUM	184 MG/L		NV	216 MG/L		NV							210 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.001 MG/L		U
TIN													.03 MG/L		UJ
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.0612 MG/L		-
ZINC	.046 MG/L		NV	.109 MG/L		NV							.292 MG/L		J
No sort code listed.															
1,2,3-TRICHLOROPROPANE										5 UG/L		U			
1,2-DIBROMO-3-CHLOROPROPANE										10 UG/L		U			
1,2-DIBROMOETHANE										5 UG/L		U			
2-CHLORO-1,3-BUTADIENE										5 UG/L		U			
3-CHLOROPROPENE										5 UG/L		U			
ACETONITRILE										200 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		U			
ETHYL METHACRYLATE										10 UG/L		U			
IODOMETHANE										5 UG/L		U			
METHACRYLONITRILE										10 UG/L		U			
METHYL METHACRYLATE										10 UG/L		U			
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TRANS-1,4-DICHLORO-2-BUTENE										20 UG/L		U			
RADIONUCLIDES															
URANIUM-238										1.65 PCI/L	.54	J			
URANIUM, TOTAL							5.4 UG/L		NV	5.6 UG/L	.6	J			
URANIUM-234										2.15 PCI/L	.62	J			
THORIUM-230										1 PCI/L		R			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-228										1 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
TASK:	9.25			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1025			1025			1025			1025			1025		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-SEP-89			12-FEB-91			12-FEB-91			12-FEB-91			16-FEB-90		
NORTH COORDINATE:	482021.82			482021.82			482021.82			482021.82			482021.82		
EAST COORDINATE:	1378309.51			1378309.51			1378309.51			1378309.51			1378309.51		
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										343 MG/L		NV			
AMMONIA										11.4 MG/L		NV			
CHLORIDE										871 MG/L		NV			
FLUORIDE										.41 MG/L		NV			
NITRATE, AS NITROGEN										155 MG/L		NV			
PH	10 UG/L		UR							6.93 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										1.16 MG/L		NV			
SPECIFIC CONDUCTIVITY										4570 UMHOS/CM		NV			
SULFATE										455 MG/L		NV			
SULFIDE	4.26 MG/L		-												
TOTAL DISSOLVED SOLIDS										3330 MG/L		NV			
TOTAL ORGANIC CARBON										9 MG/L		NV			
TOTAL ORGANIC HALOGENS										.033 MG/L		NV			
HERBICIDES															
2,4,5-T	.1 UG/L		UJ												
2,4,5-TP (SILVEX)	.1 UG/L		UJ												
2,4-D	.2 UG/L		UJ												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	13.6 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.01 MG/L		NV			
BARIUM							.506 MG/L		NV	.532 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							386 MG/L		NV	476 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			

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SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
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															
COPPER							.025 MG/L		UNV	.027 MG/L		NV			
CYANIDE	.005 MG/L		UJ							.005 MG/L		UNV			
IRON							.05 MG/L		UNV	28.4 MG/L		NV			
LEAD							.005 MG/L		UNV	.011 MG/L		NV			
MAGNESIUM							147 MG/L		NV	212 MG/L		NV			
MANGANESE							.062 MG/L		NV	.908 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.027 MG/L		NV	.057 MG/L		NV			
POTASSIUM							6.67 MG/L		NV	9.24 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							185 MG/L		NV	217 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.037 MG/L		NV	.066 MG/L		NV			
No sort code listed.															
1,2,4,5-TETRACHLOROBENZENE	10 UG/L		UR												
1,3,5-TRINITROBENZENE	10 UG/L		UR												
1,3-DINITROBENZENE	10 UG/L		UR												
1,4-NAPHTHOQUINONE	10 UG/L		UR												
1-NAPHTHYLAMINE	120 UG/L		UR												
2,3,4,6-TETRACHLOROPHENOL	10 UG/L		UR												
2,6-DICHLOROPHENOL	10 UG/L		UR												
2-ACETYLAMINOFLUORENE	10 UG/L		UR												
2-NAPHTHYLAMINE	170 UG/L		UR												
2-PICOLINE	70 UG/L		UR												
3,3'-DIMETHYLBENZIDINE	80 UG/L		UR												
3-METHYLCHOLANTHRENE	30 UG/L		UR												
3-METHYLPHENOL	10 UG/L		U												
4-AMINOBIPHENYL	50 UG/L		UR												
4-NITROQUINOLINE-1-OXIDE	10 UG/L		UR												
5-NITRO-O-TOLUIDINE	20 UG/L		UR												
7,12-DIMETHYLBENZ(A)ANTHRAC ENE	20 UG/L		UR												
A,A-DIMETHYLPHENETHYLAMINE	10 UG/L		UR												
ACETOPHENONE	10 UG/L		UR												
ANILINE	10 UG/L		UR												
ARAMITE	10 UG/L		UR												
DIALLATE	10 UG/L		UR												
DINOSEB	20 UG/L		UR												
DIPHENYLAMINE	10 UG/L		UR												
ETHYL METHACRYLATE	20 UG/L		UR												
ETHYL METHANESULFONATE	10 UG/L		UR												
HEXACHLOROPHENE	500 UG/L		UR												

SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
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)
No sort code listed.															
HEXACHLOROPROPENE	20 UG/L		UR												
ISODRIN	.05 UG/L		U												
ISOSAFROLE	10 UG/L		UR												
KEPONE	.1 UG/L		U												
METHAPYRILENE	40 UG/L		UR												
METHYL METHANESULFONATE	10 UG/L		UR												
N-NITROSODI-N-BUTYLAMINE	20 UG/L		UR												
N-NITROSODIETHYLAMINE	10 UG/L		UR												
N-NITROSOMETHYLETHYLAMINE	10 UG/L		UR												
N-NITROSOMORPHOLINE	10 UG/L		UR												
N-NITROSOPIPERIDINE	10 UG/L		UR												
N-NITROSOPYRROLIDINE	10 UG/L		UR												
O-TOLUIDINE	10 UG/L		UR												
P-DIMETHYLAMINOAZOBENZENE	30 UG/L		UR												
P-PHENYLENEDIAMINE	50 UG/L		UR												
PENTACHLOROBENZENE	20 UG/L		UR												
PENTACHLOROETHANE	20 UG/L		UR												
PENTACHLORONITROBENZENE	20 UG/L		UR												
PHENACETIN	10 UG/L		UR												
PRONAMIDE	30 UG/L		UR												
SAFROLE	10 UG/L		UR												
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE	1 UG/L		UJ												
DISULFOTON	1 UG/L		UJ												
FAMPHUR	1 UG/L		UJ												
METHYL PARATHION	.05 UG/L		UJ												
PARATHION	.05 UG/L		UJ												
PHORATE	1 UG/L		UJ												
THIONAZIN	1 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												

SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
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)
PESTICIDES															
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												
SULFOTEP	1 UG/L		UJ												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM-238				9.02 PCI/L		NV							2.7 PCI/L		NV
URANIUM, TOTAL				6.18 UG/L		NV							8 UG/L		NV
URANIUM-234				9.82 PCI/L		NV							3.1 PCI/L		NV
THORIUM-230				1.18 PCI/L		NV							1 PCI/L		UNV
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.56 PCI/L		UNV									
THORIUM-232				.66 PCI/L		UNV									
THORIUM, TOTAL				3.98 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				2.79 PCI/L		NV							1 PCI/L		UNV
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				21.8 PCI/L		NV							29.8 PCI/L		NV
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				6.7 PCI/L		UNV									
GROSS ALPHA				66 PCI/L		UNV									
GROSS BETA				52.3 PCI/L		NV									
URANIUM-235				.56 PCI/L		UNV							1 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												

SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
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)
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-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												
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	3 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												

SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
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)
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		UR												
N-NITROSODIMETHYLAMINE	10 UG/L		UR												
N-NITROSODIPHENYLAMINE	10 UG/L		U												
NAPHTHALENE	10 UG/L		U												
NITROBENZENE	10 UG/L		U												
O,O,O-TRIETHYLPHOSPHOROTHIOATE	10 UG/L		UR												
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										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			

SAMPLE NUMBER:	066595			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_49			EMGW_SYSGEN_45		
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															
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:	EMGW_SYSGEN_45			EMGW_SYSGEN_45			066435			066435			066656		
TASK:	GWMON			GWMON			9.25			9.25			9.27		
LAB:	NET			NET			IT			IT			IT		
WELL OR BORING NUMBER:	1025			1025			1025			1025			1025		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-FEB-90			16-FEB-90			18-JUN-89			18-JUN-89			21-NOV-89		
NORTH COORDINATE:	482021.82			482021.82			482021.82			482021.82			482021.82		
EAST COORDINATE:	1378309.51			1378309.51			1378309.51			1378309.51			1378309.51		
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															
CHLORIDE				740 MG/L		NV				830 MG/L		-			
FLUORIDE				.7 MG/L		NV				.49 MG/L		-			
NITRATE				114 MG/L		NV				164 MG/L		J			
NITRATE, AS NITROGEN				114 MG/L		NV									
PHENOLS				.005 MG/L		UNV									
SULFATE				318 MG/L		NV				277 MG/L		-			
TOTAL ORGANIC CARBON				2 MG/L		NV				4.13 MG/L		UJ			
TOTAL ORGANIC HALIDES										.0599 MG/L		J			
TOTAL ORGANIC HALOGENS				.028 MG/L		NV									
INORGANICS															
ALUMINUM	.05 MG/L		UNV	1.13 MG/L		NV	.287 MG/L		-						
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV									
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.0665 MG/L		-						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.0025 MG/L		-						
CALCIUM	429 MG/L		NV	524 MG/L		NV	499 MG/L		-						
CHROMIUM				.005 MG/L		UNV	.0618 MG/L		-						
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.0159 MG/L		-						
COPPER	.025 MG/L		UNV	.03 MG/L		NV	.01 MG/L		U						
IRON	.05 MG/L		UNV	3.37 MG/L		NV	.111 MG/L		-						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U						
MAGNESIUM	182 MG/L		NV	182 MG/L		NV	210 MG/L		-						
MANGANESE	.238 MG/L		NV	.38 MG/L		NV									
NICKEL	.385 MG/L		NV	.489 MG/L		NV	.097 MG/L		-						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U						
SODIUM	269 MG/L		NV	258 MG/L		NV									
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.0673 MG/L		-						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.0305 MG/L		-						
RADIONUCLIDES															

URANIUM-238
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_45			EMGW_SYSGEN_45			066435			066435			066656		
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										3.1 PCI/L	.5	-	3.11 PCI/L	.56	R
URANIUM-234										11 UG/L	3	-	6.3 UG/L	.7	R
THORIUM-230										3.2 PCI/L	.5	-	3.72 PCI/L	.64	R
URANIUM-235/236										1 PCI/L		U	1 PCI/L		R
THORIUM-228										1 PCI/L		U	1 PCI/L		R
TECHNETIUM-99										1 PCI/L		U	1 PCI/L		R
										30 PCI/L		U	30 PCI/L		R
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				10 UG/L		U			
TETRACHLOROETHENE				1 UG/L		UNV				5 UG/L		U			
TOLUENE				1 UG/L		UNV				5 UG/L		U			
TRICHLOROETHENE				1 UG/L		UNV				5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066657	066657	003739	003739	003231
TASK:	9.27	9.27	3.2.4	3.2.4	3.2.4
LAB:	WMCO	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1025	1025	1025	1025	1025
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-NOV-89	21-NOV-89	22-NOV-88	22-NOV-88	23-MAY-88
NORTH COORDINATE:	482021.82	482021.82	482021.82	482021.82	482021.82
EAST COORDINATE:	1378309.51	1378309.51	1378309.51	1378309.51	1378309.51
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										.29 MG/L		J			
CHLORIDE				899 MG/L		NV				845 MG/L		-			
FLUORIDE				.55 MG/L		NV				.54 MG/L		-			
NITRATE				152 MG/L		NV				45.4 MG/L		-			
PHENOLS				.011 MG/L		NV				.01 MG/L		U			
PHOSPHORUS										.519 MG/L		-			
SULFATE				338 MG/L		NV				390 MG/L		J			
TOTAL KJELDAHL NITROGEN										.1 MG/L		UJ			
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.05 MG/L		U			
INORGANICS															
ALUMINUM	.122 MG/L		NV	11.8 MG/L		NV							.175 MG/L		J
ANTIMONY													.0467 MG/L		UJ
ARSENIC	.0025 MG/L		UNV	.007 MG/L		NV	.002 MG/L		-				.0026 MG/L		J
BARIUM	.302 MG/L		NV	.656 MG/L		NV	.091 MG/L		-				.0573 MG/L		J
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.0024 MG/L		UJ
CADMIUM							.002 MG/L		U				.0007 MG/L		UJ
CALCIUM	462 MG/L		NV	583 MG/L		NV	520 MG/L		-				386 MG/L		J
CHROMIUM	.005 MG/L		UNV	.073 MG/L		NV	.02 MG/L		U				.0017 MG/L		UJ
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.0052 MG/L		UJ
COPPER	.025 MG/L		UNV	.042 MG/L		NV	.01 MG/L		U				.0067 MG/L		UJ
IRON	.05 MG/L		UNV	18 MG/L		NV	.218 MG/L		-				.304 MG/L		UJ
LEAD	.005 MG/L		UNV	.01 MG/L		NV	.002 MG/L		UJ				.0105 MG/L		UJ
MAGNESIUM	192 MG/L		NV	207 MG/L		NV	208 MG/L		-				150 MG/L		J
MANGANESE	.377 MG/L		NV	.845 MG/L		NV	.52 MG/L		-				.455 MG/L		J
MERCURY							.0002 MG/L		UJ				.00029 MG/L		R
MOLYBDENUM							.02 MG/L		U				.0333 MG/L		UJ
NICKEL	.024 MG/L		NV	.065 MG/L		NV	.024 MG/L		-				.0138 MG/L		J
POTASSIUM							4.67 MG/L		-				4.25 MG/L		J
SELENIUM							.002 MG/L		UJ				.0018 MG/L		UJ

SAMPLE NUMBER:	066657			066657			003739			003739			003231		
LAB:	WMCO			WMCO			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															
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.0005 MG/L		UJ				.0043 MG/L		UJ
SODIUM	225 MG/L		NV	215 MG/L		NV	183 MG/L		-				110 MG/L		J
THALLIUM													.0041 MG/L		UJ
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.0034 MG/L		UJ
ZINC	.02 MG/L		UNV	.098 MG/L		NV							.0155 MG/L		J
RADIONUCLIDES															
URANIUM-238										3.4 PCI/L	.6	-			
URANIUM, TOTAL										9 UG/L	1	-			
URANIUM-234										2.9 PCI/L	.6	-			
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		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									

000830

6416

SAMPLE NUMBER:	003231			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_58		
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															
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							6.58 MG/L		NV	7.93 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							27.3 MG/L		NV	29.9 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.															
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	.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	2.4 PCI/L	.5	J	105 PCI/L		NV							75.7 PCI/L		NV
09/30/94															
SAMPLE NUMBER:	003231			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_58		
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															
URANIUM, TOTAL	8 UG/L	1	R	343 UG/L		NV							272 UG/L		NV
URANIUM-234	2.5 PCI/L	.5	J	23.7 PCI/L		NV							18.1 PCI/L		NV
THORIUM-230	1.1 PCI/L	.7	J	.937 PCI/L		NV							.29 PCI/L		NV
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		UJ	1.8 PCI/L		NV							2.33 PCI/L		NV
THORIUM-232	1 PCI/L		UJ	.48 PCI/L		UNV							.23 PCI/L		UNV
THORIUM, TOTAL				4.4 UG/L		UNV							2.1 UG/L		UNV
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228	1.4 PCI/L	.8	J	2.31 PCI/L		NV							.256 PCI/L		NV
NEPTUNIUM-237	1 PCI/L		UJ	.9 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	17 PCI/L		UNV									
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV									
CESIUM-137	20 PCI/L		R	10 PCI/L		UNV									
GROSS ALPHA				134 PCI/L		NV									
GROSS BETA				138 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		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												

SAMPLE NUMBER:	003231			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_58		
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)
SEMIVOLATILES															
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		U												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UJ												
BUTYL BENZYL PHTHALATE	1 UG/L		J												
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		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		UJ												
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	10 UG/L		U							.005 MG/L		UNV			
PYRENE	10 UG/L		U												
VOLATILES															
1,1,1-TRICHLOROETHANE	2 UG/L		J							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U							1 UG/L		UNV			

SAMPLE NUMBER:	003231			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_59			EMGW_SYSGEN_58		
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															
1,1,2-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		UJ							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		R							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	11 UG/L		U							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		U							1 UG/L		UNV			
CARBON DISULFIDE	5 UG/L		UJ							1 UG/L		UNV			
CARBON TETRACHLORIDE	5 UG/L		U							1 UG/L		UNV			
CHLOROBENZENE	5 UG/L		UJ							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		UJ							1 UG/L		UNV			
METHYLENE CHLORIDE	16 UG/L		UJ							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							2 UG/L		UNV			
VINYL ACETATE	10 UG/L		UJ							1 UG/L		UNV			
VINYL CHLORIDE	10 UG/L		U							1 UG/L		UNV			
XYLENES, TOTAL	5 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_58			EMGW_SYSGEN_58			EMGW_SYSGEN_62			EMGW_SYSGEN_62			EMGW_SYSGEN_62		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			WMCO		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-AUG-90			02-AUG-90			02-JUL-91			02-JUL-91			02-JUL-91		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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										337 MG/L		NV			
AMMONIA										.06 MG/L		NV			
CHLORIDE				4 MG/L		NV				7 MG/L		NV			
FLUORIDE				.56 MG/L		NV				.62 MG/L		NV			
NITRATE, AS NITROGEN				.02 MG/L		UNV				.02 MG/L		UNV			
PH				.005 MG/L		UNV				7.23 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS										.97 MG/L		NV			
SPECIFIC CONDUCTIVITY										774 UMHOS/CM		NV			
SULFATE				79 MG/L		NV				171 MG/L		NV			
TOTAL DISSOLVED SOLIDS										522 MG/L		NV			
TOTAL ORGANIC CARBON				4 MG/L		NV				20 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	.2 MG/L		UNV			
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.003 MG/L		NV	.004 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			
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	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	59.5 MG/L		NV	84 MG/L		NV	84 MG/L		NV	105 MG/L		NV			
CHROMIUM				.005 MG/L		NV				.0103 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			
IRON	.749 MG/L		NV	1.45 MG/L		NV	1.76 MG/L		NV	1.76 MG/L		NV			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	26.4 MG/L		NV	32.4 MG/L		NV	3.8 MG/L		NV	4.2 MG/L		NV			
MANGANESE	.1 MG/L		NV	.109 MG/L		NV	.254 MG/L		NV	.207 MG/L		NV			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_58			EMGW_SYSGEN_58			EMGW_SYSGEN_62			EMGW_SYSGEN_62			EMGW_SYSGEN_62		
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															
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	8.22 MG/L		NV	8.86 MG/L		NV	5.6 MG/L		NV	5.8 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	24 MG/L		NV	29.4 MG/L		NV	18 MG/L		NV	18 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	.028 MG/L		NV	.025 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													230 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				2 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				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			

SAMPLE NUMBER:	EMGW_SYSGEN_58			EMGW_SYSGEN_58			EMGW_SYSGEN_62			EMGW_SYSGEN_62			EMGW_SYSGEN_62		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_57			EMGW_SYSGEN_57			EMGW_SYSGEN_57			003730			003730		
TASK:	GWMON			GWMON			GWMON			3.2.4			3.2.4		
LAB:	IT			NET			NET			IT			IT		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-MAY-90			02-MAY-90			02-MAY-90			04-DEC-88			04-DEC-88		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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)
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE							4 MG/L		NV				7.9 MG/L		R
FLUORIDE							1.64 MG/L		NV				1.1 MG/L		-
NITRATE							.04 MG/L		NV				.1 MG/L		U
NITRATE, AS NITROGEN							.04 MG/L		NV						
PHENOLS							.005 MG/L		UNV				.011 MG/L		-
PHOSPHORUS													.134 MG/L		-
SULFATE							162 MG/L		NV				96.7 MG/L		-
TOTAL KJELDAHL NITROGEN													.148 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													.148 MG/L		-
INORGANICS															
ALUMINUM				.05 MG/L		UNV	.314 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.005 MG/L		NV	.007 MG/L		NV	.002 MG/L		R			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.037 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				83.6 MG/L		NV	93.7 MG/L		NV	67.5 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			
CYANIDE							.005 MG/L		UNV						
IRON				.161 MG/L		NV	.871 MG/L		NV	.13 MG/L		J			
LEAD				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ			
MAGNESIUM				32 MG/L		NV	50 MG/L		NV	24.4 MG/L		-			
MANGANESE				.061 MG/L		NV	.063 MG/L		NV	.077 MG/L		-			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_57			EMGW_SYSGEN_57			EMGW_SYSGEN_57			003730			003730		
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															
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UJ			
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.02 MG/L		U			
POTASSIUM				4 MG/L		NV	4.34 MG/L		NV	1.23 MG/L		-			
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV	.002 MG/L		R			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.02 MG/L		U			
SODIUM				46.7 MG/L		NV	29.4 MG/L		NV	6.61 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						
No sort code listed.															
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							.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	149 PCI/L		NV										1 PCI/L		UJ
URANIUM, TOTAL	446 UG/L		NV										2 UG/L	1	-

SAMPLE NUMBER:	EMGW_SYSGEN_57			EMGW_SYSGEN_57			EMGW_SYSGEN_57			003730			003730		
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-234	35.5 PCI/L		NV										1 PCI/L		UJ
THORIUM-230	.474 PCI/L		NV										1 PCI/L		UJ
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	3.79 PCI/L		NV										1 PCI/L		UJ
THORIUM-232	.25 PCI/L		UNV										1 PCI/L		UJ
THORIUM, TOTAL	2.3 UG/L		UNV										3 UG/L		UJ
RADIUM-228	3 PCI/L		UNV										3 PCI/L		U
THORIUM-228	.304 PCI/L		NV										1 PCI/L		UJ
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 PCI/L		UNV										5 PCI/L		U
TECHNETIUM-99	18 PCI/L		UNV										30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		R
CESIUM-137	8.7 PCI/L		UNV										20 PCI/L		R
GROSS ALPHA	215 PCI/L		NV												
GROSS BETA	88.5 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						
ANTHRACENE							4 UG/L		UNV						
BENZO(A)ANTHRACENE							4 UG/L		UNV						
BENZO(A)PYRENE							4 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_57			EMGW_SYSGEN_57			EMGW_SYSGEN_57			003730			003730		
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															
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				.011 MG/L		
PYRENE							4 UG/L		UNV						
PYRIDINE							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						

SAMPLE NUMBER:	EMGW_SYSGEN_57			EMGW_SYSGEN_57			EMGW_SYSGEN_57			003730			003730		
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															
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							1 UG/L		UNV						
VINYL CHLORIDE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_60			EMGW_SYSGEN_60			EMGW_SYSGEN_60			003927			003927		
TASK:	GWMON			GWMON			GWMON			3.2.4			3.2.4		
LAB:	IT			NET			NET			IT			IT		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-FEB-91			04-FEB-91			04-FEB-91			05-FEB-89			05-FEB-89		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3							262 MG/L		NV						
AMMONIA							.11 MG/L		NV				.1 MG/L		U
CHLORIDE							4 MG/L		NV				3 MG/L		-
FLUORIDE							.63 MG/L		NV				.96 MG/L		J
NITRATE							.05 MG/L		NV				.1 MG/L		UJ
NITRATE, AS NITROGEN							.05 MG/L		NV						
PH							7.7 SU		NV				.01 MG/L		UJ
PHENOLS							.005 MG/L		UNV				.01 MG/L		UJ
PHOSPHORUS							1.03 MG/L		NV				.09 MG/L		J
SPECIFIC CONDUCTIVITY							688 UMHOS/CM		NV						
SULFATE							164 MG/L		NV				153 MG/L		-
TOTAL DISSOLVED SOLIDS							418 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.202 MG/L		J
TOTAL ORGANIC CARBON							6 MG/L		NV						
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.202 MG/L		J
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.82 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.003 MG/L		NV	.002 MG/L		U			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.077 MG/L		-			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.009 MG/L		-			
CALCIUM				56.7 MG/L		NV	61.4 MG/L		NV	125 MG/L		-			
CHROMIUM							.005 MG/L		UNV	.03 MG/L		-			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.025 MG/L		UNV	.014 MG/L		-			
CYANIDE							.005 MG/L		UNV						
IRON				.05 MG/L		UNV	1.57 MG/L		NV	.106 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_60			EMGW_SYSGEN_60			EMGW_SYSGEN_60			003927			003927		
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				29.9 MG/L		NV	35.6 MG/L		NV	48.3 MG/L		-			
MANGANESE				.097 MG/L		NV	.099 MG/L		NV	.126 MG/L		-			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0024 MG/L		-			
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		U			
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV	.02 MG/L		U			
POTASSIUM				5.3 MG/L		NV	5.84 MG/L		NV	1.22 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	.0005 MG/L		U			
SODIUM				24.8 MG/L		NV	27 MG/L		NV	13.8 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						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	113 PCI/L		NV										1 PCI/L		U
URANIUM, TOTAL	203 UG/L		NV										1 UG/L		U
URANIUM-234	24.1 PCI/L		NV										1 PCI/L		U
THORIUM-230	.485 PCI/L		NV										1 PCI/L		U
RADIUM-226	1 PCI/L		UNV										1 PCI/L		U
URANIUM-235/236	2.93 PCI/L		NV										1 PCI/L		U
THORIUM-232	.21 PCI/L		UNV										1 PCI/L		U
THORIUM, TOTAL	1.9 UG/L		UNV										3 UG/L		U
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UJ
THORIUM-228	1.39 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	15 PCI/L		UNV										30 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		R
CESIUM-137	7.1 PCI/L		UNV										20 PCI/L		R
GROSS ALPHA	58.6 PCI/L		NV												
GROSS BETA	78 PCI/L		NV												
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						
VOLATILES															
1,1,1-TRICHLOROETHANE							1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_60			EMGW_SYSGEN_60			EMGW_SYSGEN_60			003927			003927		
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						
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 1 WELLS

SAMPLE NUMBER:	003166			003166			EMGW_SYSGEN_63			EMGW_SYSGEN_63			EMGW_SYSGEN_63		
TASK:	3.2.4			3.2.4			GWMON			GWMON			GWMON		
LAB:	IT			IT			NET			NET			WMCO		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-MAY-88			08-MAY-88			09-OCT-91			09-OCT-91			09-OCT-91		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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										338 MG/L		NV			
AMMONIA				.21 MG/L		J				.14 MG/L		NV			
CHLORIDE				8.8 MG/L		J				8 MG/L		NV			
FLUORIDE				1.2 MG/L		J				.74 MG/L		NV			
NITRATE				.3 MG/L		-				.05 MG/L		NV			
NITRATE, AS NITROGEN										.05 MG/L		NV			
PH				.02 MG/L		J				7.21 SU		NV			
PHENOLS				.02 MG/L		J				.005 MG/L		UNV			
PHOSPHORUS				.1 MG/L		-				.61 MG/L		NV			
SPECIFIC CONDUCTIVITY										883 UMHOS/CM		NV			
SULFATE				60 MG/L		J				146 MG/L		NV			
TOTAL DISSOLVED SOLIDS										648 MG/L		NV			
TOTAL ORGANIC CARBON										21 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ									
INORGANICS															
ALUMINUM							.2 MG/L		UNV	.2 MG/L		UNV			
ANTIMONY							.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.2 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM	.051 MG/L		-				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.005 MG/L		UNV	.005 MG/L		UNV			
CADMIUM	.005 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	105 MG/L		-				110 MG/L		NV	110 MG/L		NV			
CHROMIUM	.02 MG/L		U							.0026 MG/L		NV			
COBALT							.005 MG/L		UNV	.005 MG/L		UNV			
COPPER	.01 MG/L		U				.02 MG/L		UNV	.02 MG/L		UNV			
CYANIDE										.005 MG/L		UNV			
IRON	.3 MG/L		-				1.1 MG/L		NV	2 MG/L		NV			
LEAD	.05 MG/L		U				.003 MG/L		UNV	.003 MG/L		UNV			
MAGNESIUM	38.5 MG/L		-				34 MG/L		NV	56 MG/L		NV			

SAMPLE NUMBER:	003166			003166			EMGW_SYSGEN_63			EMGW_SYSGEN_63			EMGW_SYSGEN_63		
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															
MANGANESE	.081 MG/L		-				.147 MG/L		NV	.147 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	.022 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM	1.16 MG/L		-				5.1 MG/L		NV	5.1 MG/L		NV			
SELENIUM	.2 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV			
SILVER	.02 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	9.02 MG/L		-				14 MG/L		NV	15 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	.028 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U									
URANIUM, TOTAL				1 UG/L	1	-							130 UG/L		NV
URANIUM-234				1 PCI/L		U									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1.5 PCI/L	.7	-									
URANIUM-235/236				1 PCI/L		U									
THORIUM-232				1 PCI/L		U									
RADIUM-228				3 PCI/L		R									
THORIUM-228				1.2 PCI/L	.4	-									
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									
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			

SAMPLE NUMBER:	003166			003166			EMGW_SYSGEN_63			EMGW_SYSGEN_63			EMGW_SYSGEN_63		
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)
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			
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:	003452	003452	GW930112-7	GW930112-7	GW930112-7
TASK:	3.2.4	3.2.4	RCRA	RCRA	RCRA
LAB:	IT	IT	CORE	FERMCO	NET
WELL OR BORING NUMBER:	1027	1027	1027	1027	1027
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-AUG-88	10-AUG-88	12-JAN-93	12-JAN-93	12-JAN-93
NORTH COORDINATE:	481980.79	481980.79	481980.79	481980.79	481980.79
EAST COORDINATE:	1379319.5	1379319.5	1379319.5	1379319.5	1379319.5
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															
AMMONIA				.4 MG/L		-									
CHLORIDE				9.6 MG/L		-									
FLUORIDE				1.7 MG/L		-									
NITRATE				.13 MG/L		J									
PHENOLS				.05 MG/L		U									
SULFATE				140 MG/L		-									
TOTAL DISSOLVED SOLIDS													408 MG/L		NV
TOTAL KJELDAHL NITROGEN				15 MG/L		U									
INORGANICS															
ALUMINUM													.2 MG/L		UNV
ANTIMONY													.02 MG/L		UNV
ARSENIC	.01 MG/L		U										.0083 MG/L		NV
BARIUM	.2 MG/L		U										.2 MG/L		UNV
BERYLLIUM													.005 MG/L		UNV
CADMIUM	.005 MG/L		U										.001 MG/L		UNV
CALCIUM	130 MG/L		-										82 MG/L		NV
CHROMIUM	.01 MG/L		U										.002 MG/L		UNV
COBALT													.005 MG/L		UNV
COPPER	.03 MG/L		U										.02 MG/L		UNV
IRON	2.1 MG/L		-										.73 MG/L		NV
LEAD	.005 MG/L		U										.003 MG/L		UNV
MAGNESIUM	45 MG/L		-										38.5 MG/L		NV
MANGANESE	.07 MG/L		-										.108 MG/L		NV
MERCURY	.0003 MG/L		U										.0002 MG/L		UNV
MOLYBDENUM	.05 MG/L		U										.01 MG/L		UNV
NICKEL	.04 MG/L		U										.01 MG/L		UNV
POTASSIUM	5 MG/L		U												
SELENIUM	.005 MG/L		U										.005 MG/L		UNV
SILVER	.01 MG/L		U										.001 MG/L		UNV
SODIUM	12 MG/L		-												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003452			003452			GW930112-7			GW930112-7			GW930112-7		
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															
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238				1 PCI/L		UJ									
URANIUM, TOTAL				1 UG/L		U	354 UG/L		NV	250 UG/L		NV			
URANIUM-234				1 PCI/L		UJ									
THORIUM-230				1 PCI/L		UJ	.8 PCI/L	.3	NV						
RADIUM-226				1 PCI/L		U	1 PCI/L	.4	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							64.4 PCI/L	5.1	NV						
GROSS BETA							101 PCI/L	3.8	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930112-7			066490			066490			EMGW_SYSGEN_56			EMGW_SYSGEN_56		
TASK:	RCRA			9.25			9.25			GWMON			GWMON		
LAB:	NET			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-JAN-93			13-AUG-89			13-AUG-89			15-FEB-90			15-FEB-90		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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	286 MG/L		NV												
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.05 MG/L		NV												
BICARBONATE ALKALINITY	397 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	7 MG/L		NV				11 MG/L		-						
FLUORIDE	.76 MG/L		NV				.96 MG/L		-						
NITRATE	.02 MG/L		UNV				.1 MG/L		U						
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.41 SU		NV												
PHENOLS	.01 MG/L		UNV												
PHOSPHORUS	1.25 MG/L		NV												
SPECIFIC CONDUCTIVITY	770 UMHOS/CM		NV												
SULFATE	125 MG/L		NV				162 MG/L		J						
TOTAL ORGANIC CARBON	8 MG/L		NV				1 MG/L		U						
TOTAL ORGANIC HALIDES	.01 MG/L		UNV				.012 MG/L		-						
TOTAL SOLIDS	447 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.136 MG/L		-							.24 MG/L		NV
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.0099 MG/L		NV										.004 MG/L		NV
BARIUM	.2 MG/L		UNV	.074 MG/L		-							.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV	.001 MG/L		U							.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV												
CALCIUM	79 MG/L		NV	132 MG/L		-							70.2 MG/L		NV
CHROMIUM	.002 MG/L		UNV	.031 MG/L		-									
COBALT	.005 MG/L		UNV	.01 MG/L		U							.025 MG/L		UNV
COPPER	.02 MG/L		UNV	.01 MG/L		U							.025 MG/L		UNV
CYANIDE	.005 MG/L		UNV												
IRON	.94 MG/L		NV	.507 MG/L		-							.543 MG/L		NV

SAMPLE NUMBER:	GW930112-7			066490			066490			EMGW_SYSGEN_56			EMGW_SYSGEN_56		
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															
LEAD	.003 MG/L		UNV	.003 MG/L		-							.005 MG/L		UNV
MAGNESIUM	37.5 MG/L		NV	48.1 MG/L		-							31.9 MG/L		NV
MANGANESE	.104 MG/L		NV										.052 MG/L		NV
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.01 MG/L		UNV										.005 MG/L		UNV
NICKEL	.01 MG/L		UNV	.02 MG/L		U									
POTASSIUM	6.4 MG/L		NV												
SELENIUM	.005 MG/L		UNV										.001 MG/L		UNV
SILVER	.001 MG/L		UNV	.013 MG/L		-							79.9 MG/L		NV
SODIUM	15 MG/L		NV												
THALLIUM	.01 MG/L		UNV										.05 MG/L		UNV
VANADIUM	.05 MG/L		UNV	.022 MG/L		-							.02 MG/L		UNV
ZINC	.02 MG/L		UNV	.013 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-238							1 PCI/L		U	115 PCI/L		NV			
URANIUM, TOTAL							1 UG/L		U	343 UG/L		NV			
URANIUM-234							1 PCI/L		U	29.4 PCI/L		NV			
THORIUM-230							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U						
THORIUM-228							1 PCI/L		U	1 PCI/L		UNV			
TECHNETIUM-99							30 PCI/L		U	16 PCI/L		UNV			
URANIUM-235							1 PCI/L		U	2.6 PCI/L		NV			
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												

SAMPLE NUMBER:	GW930112-7			066490			066490			EMGW_SYSGEN_56			EMGW_SYSGEN_56		
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															
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												
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		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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_56			GW930416-2			GW930416-2			GW930416-2			GW930416-2		
TASK:	GWMON			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	NET			CORE			CORE			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-FEB-90			16-APR-93			16-APR-93			16-APR-93			16-APR-93		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													150 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													200 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE	5 MG/L		NV										.5 MG/L		-
FLUORIDE	.86 MG/L		NV										.7 MG/L		-
NITRATE, AS NITROGEN	.13 MG/L		NV												
NITRATE/NITRITE													.05 MG/L		U
PH	.005 MG/L		UNV										7.6 SU		-
PHENOLS	.005 MG/L		UNV										.01 MG/L		U
PHOSPHORUS													1.1 MG/L		-
SPECIFIC CONDUCTIVITY													340 UMHOS/CM		-
SULFATE	127 MG/L		NV										31 MG/L		-
TOTAL DISSOLVED SOLIDS										220 MG/L		-			
TOTAL KJELDAHL NITROGEN													.8 MG/L		-
TOTAL ORGANIC CARBON	2 MG/L		NV										10 MG/L		J
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL SOLIDS													230 MG/L		-
INORGANICS															
ALUMINUM	.591 MG/L		NV							.024 MG/L		U			
ANTIMONY										.045 MG/L		U			
ARSENIC	.004 MG/L		NV							.001 MG/L		U			
BARIUM	.2 MG/L		UNV							.0166 MG/L		-			
BERYLLIUM	.01 MG/L		UNV							.001 MG/L		U			
CADMIUM										.003 MG/L		U			
CALCIUM	71.8 MG/L		NV							42.8 MG/L		-			
CHROMIUM	.006 MG/L		NV							.0121 MG/L		U			
COBALT	.025 MG/L		UNV							.006 MG/L		U			
COPPER	.025 MG/L		UNV							.004 MG/L		U			

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SAMPLE NUMBER:	EMGW_SYSGEN_56			GW930416-2			GW930416-2			GW930416-2			GW930416-2		
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															
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON	.878 MG/L		NV							.124 MG/L		U			
LEAD	.005 MG/L		UNV							.0017 MG/L		UJ			
MAGNESIUM	31.1 MG/L		NV							14 MG/L		-			
MANGANESE	.055 MG/L		NV							.003 MG/L		U			
MERCURY										.0002 MG/L		-			
NICKEL	.005 MG/L		UNV							.019 MG/L		U			
POTASSIUM										4.02 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER	.001 MG/L		UNV							.003 MG/L		UJ			
SODIUM	114 MG/L		NV							3.86 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM	.05 MG/L		UNV							.004 MG/L		U			
ZINC	.02 MG/L		UNV							.006 MG/L		U			
RADIONUCLIDES															
URANIUM-238				122 PCI/L	60	J	151 PCI/L	34.1	J						
URANIUM, TOTAL				418 UG/L	29.3	J	439 UG/L	30.7	-						
URANIUM-234				34.3 PCI/L	18	J	31.1 PCI/L	7.6	J						
THORIUM-230				.5 PCI/L	.3	J	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.2	UJ	1.4 PCI/L	.4	-						
URANIUM-235/236				4.6 PCI/L	3.3	J	1.1 PCI/L	.9	J						
THORIUM-232				.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
THORIUM, TOTAL				1.824037 PCI/L	.1	NV									
RADIUM-228				7.6 PCI/L	1.6	-	3 PCI/L	1.2	U						
THORIUM-228				.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
TECHNETIUM-99				53.4 PCI/L	9.7	-	15 PCI/L	7.1	UJ						
GROSS ALPHA				123 PCI/L	12.9	NV	115 PCI/L	5.5	NV						
GROSS BETA				164 PCI/L	8.6	NV	134 PCI/L	3.5	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	1 UG/L		UNV										10 UG/L		U
1,1-DICHLOROETHENE													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													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	2 UG/L		UNV										10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_56			GW930416-2			GW930416-2			GW930416-2			GW930416-2		
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															
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	1 UG/L		UNV										10 UG/L		U
STYRENE													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													10 UG/L		U
TRICHLOROETHENE	1 UG/L		UNV										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:	GW930416-2			GW930416-2			066422			066422			066658		
TASK:	50.03.23			50.03.23			9.25			9.25			9.27		
LAB:	FERMCO			FERMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1027			1027			1027			1027			1027		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-APR-93			16-APR-93			18-JUN-89			18-JUN-89			21-NOV-89		
NORTH COORDINATE:	481980.79			481980.79			481980.79			481980.79			481980.79		
EAST COORDINATE:	1379319.5			1379319.5			1379319.5			1379319.5			1379319.5		
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															
CHLORIDE										2 MG/L		-			
FLUORIDE										1 MG/L		-			
NITRATE										.44 MG/L		J			
SULFATE										164 MG/L		-			
TOTAL ORGANIC CARBON										3.45 MG/L		UJ			
TOTAL ORGANIC HALIDES										.0116 MG/L		J			
INORGANICS															
ALUMINUM							.127 MG/L		-						
BARIUM							.0689 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CALCIUM							124 MG/L		-						
CHROMIUM							.0346 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.631 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							47.4 MG/L		-						
NICKEL							.02 MG/L		U						
SILVER							.0128 MG/L		-						
VANADIUM							.0224 MG/L		-						
ZINC							.0208 MG/L		-						
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U	67.9 PCI/L	8.9	R
URANIUM, TOTAL	460 UG/L		NV	450 UG/L		NV				1 UG/L	1	-	131 UG/L	19	R
URANIUM-234										1 PCI/L		U	18 PCI/L	2.7	R
THORIUM-230										1 PCI/L		U	1.02 PCI/L	.37	R
URANIUM-235/236										1 PCI/L		U	2.16 PCI/L	.59	R
THORIUM-228										1 PCI/L		U	1 PCI/L		R

SAMPLE NUMBER:	GW930416-2			GW930416-2			066422			066422			066658		
LAB:	FERMCO			FERMCO			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															
TECHNETIUM-99										30 PCI/L		U	30 PCI/L		R
VOLATILES															
1,1-DICHLOROETHANE										5 UG/L		U			
ACETONE										10 UG/L		U			
METHYLENE CHLORIDE										11 UG/L		U			
TETRACHLOROETHENE										5 UG/L		U			
TOLUENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066659	066659	EMGW_SYSGEN_67	EMGW_SYSGEN_68	066492
TASK:	9.27	9.27	GWMON	GWMON	9.25
LAB:	WMCO	WMCO	NET	NET	IT
WELL OR BORING NUMBER:	1027	1027	1028	1028	1028
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-NOV-89	21-NOV-89	07-AUG-90	08-AUG-90	13-AUG-89
NORTH COORDINATE:	481980.79	481980.79	481821.6	481821.6	481821.6
EAST COORDINATE:	1379319.5	1379319.5	1378158.13	1378158.13	1378158.13
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-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				9 MG/L		NV	692 MG/L		NV						
FLUORIDE				.78 MG/L		NV	.22 MG/L		NV						
NITRATE				.32 MG/L		NV	247 MG/L		NV						
NITRATE, AS NITROGEN							247 MG/L		NV						
PHENOLS				.023 MG/L		NV				.005 MG/L		UNV			
SULFATE				139 MG/L		NV	565 MG/L		NV						
TOTAL ORGANIC CARBON				1 MG/L		NV				6 MG/L		NV			
TOTAL ORGANIC HALIDES				.01 MG/L		UNV									
TOTAL ORGANIC HALOGENS							.156 MG/L		NV	.063 MG/L		NV			
INORGANICS															
ALUMINUM	.567 MG/L		NV	.262 MG/L		NV	.5 MG/L		UNV						
ANTIMONY							.025 MG/L		UNV						
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV	.006 MG/L		NV						
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.237 MG/L		NV						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM							.001 MG/L		UNV						
CALCIUM	104 MG/L		NV	110 MG/L		NV	323 MG/L		NV						
CHROMIUM	.005 MG/L		UNV	.005 MG/L		UNV	.049 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	.073 MG/L		NV						
IRON	.835 MG/L		NV	1.67 MG/L		NV	21.3 MG/L		NV						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	1.15 MG/L		NV						
MAGNESIUM	40.7 MG/L		NV	42.5 MG/L		NV	215 MG/L		NV						
MANGANESE	.129 MG/L		NV	.169 MG/L		NV	.699 MG/L		NV						
MERCURY							.0002 MG/L		UNV						
MOLYBDENUM							.106 MG/L		NV						
NICKEL	.005 MG/L		UNV	.005 MG/L		UNV	.829 MG/L		NV						
POTASSIUM							7.66 MG/L		NV						
SELENIUM							.0025 MG/L		UNV						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						

SAMPLE NUMBER:	066659			066659			EMGW_SYSGEN_67			EMGW_SYSGEN_68			066492		
LAB:	WMCO			WMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	F-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															
SODIUM	19.6 MG/L		NV	24.8 MG/L		NV	354 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.06 MG/L		NV						
ZINC	.02 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
RADIONUCLIDES															
URANIUM-238													34.3 PCI/L	4.3	-
URANIUM, TOTAL													70 UG/L	13	-
URANIUM-234													13.3 PCI/L	1.9	-
THORIUM-230													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-228													1 PCI/L		U
TECHNETIUM-99													63 PCI/L	32	J
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						
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						

SAMPLE NUMBER:	066659			066659			EMGW_SYSGEN_67			EMGW_SYSGEN_68			066492		
LAB:	WMCO			WMCO			NET			NET			IT		
SUFFIX/FILTERFLAG:	F-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															
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:	EMGW_SYSGEN_69	EMGW_SYSGEN_69	066428	066428	066428
TASK:	GWMON	GWMON	9.25	9.25	9.25
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	1028	1028	1028	1028	1028
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-AUG-90	14-AUG-90	18-JUN-89	18-JUN-89	18-JUN-89
NORTH COORDINATE:	481821.6	481821.6	481821.6	481821.6	481821.6
EAST COORDINATE:	1378158.13	1378158.13	1378158.13	1378158.13	1378158.13
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															
CHLORIDE										520 MG/L		-			
FLUORIDE										.225 MG/L		-			
NITRATE										156 MG/L		J			
SULFATE										643 MG/L		-			
TOTAL ORGANIC CARBON										9.08 MG/L		J			
TOTAL ORGANIC HALIDES										.0324 MG/L		J			
INORGANICS															
ALUMINUM	.5 MG/L		UNV				.275 MG/L		-						
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV												
BARIUM	.258 MG/L		NV				.106 MG/L		-						
BERYLLIUM	.01 MG/L		UNV				.0022 MG/L		-						
CADMIUM	.001 MG/L		UNV												
CALCIUM	548 MG/L		NV				448 MG/L		-						
CHROMIUM				.005 MG/L		UNV	.0637 MG/L		-						
COBALT	.025 MG/L		UNV				.017 MG/L		-						
COPPER	.025 MG/L		UNV				.01 MG/L		U						
IRON	.439 MG/L		NV				.164 MG/L		-						
LEAD	.005 MG/L		UNV				.002 MG/L		U						
MAGNESIUM	258 MG/L		NV				190 MG/L		-						
MANGANESE	.525 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.041 MG/L		NV												
NICKEL	.445 MG/L		NV				.981 MG/L		-						
POTASSIUM	6.02 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV				.01 MG/L		U						
SODIUM	344 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV				.0611 MG/L		-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_69			EMGW_SYSGEN_69			066428			066428			066428		
LAB:	NET			NET			IT			IT			IT		
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															
ZINC	.02 MG/L		UNV				.0552 MG/L		-						
RADIONUCLIDES															
URANIUM-238										22.6 PCI/L	2.8	-			
URANIUM, TOTAL										60 UG/L	10	-			
URANIUM-234										8.6 PCI/L	1.2	-			
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	5 UG/L		UJ
ACETONE										10 UG/L		U	10 UG/L		U
METHYLENE CHLORIDE										10 UG/L		U	10 UG/L		UJ
TETRACHLOROETHENE										5 UG/L		U	5 UG/L		UJ
TOLUENE										5 UG/L		U	5 UG/L		UJ
TRICHLOROETHENE										5 UG/L		U	5 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066660			003076			003076			120522			120522F		
TASK:	9.27			3.2.4			3.2.4			50.03.23			50.03.23		
LAB:	IT			IT			IT			TCT			TCT		
WELL OR BORING NUMBER:	1028			1029			1029			1029			1029		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-NOV-89			05-APR-88			05-APR-88			12-JUL-93			12-JUL-93		
NORTH COORDINATE:	481821.6			480826.11			480826.11			480826.11			480826.11		
EAST COORDINATE:	1378158.13			1378398.38			1378398.38			1378398.38			1378398.38		
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										434 MG/L		-			
AMMONIA							.1 MG/L		-	.109 MG/L		-			
CHLORIDE							7.1 MG/L		-	1.22 MG/L		-			
FLUORIDE							1.5 MG/L		-	1.1 MG/L		-			
NITRATE							5 MG/L		U	.02 MG/L		U			
PHENOLS							.01 MG/L		U	.005 MG/L		U			
PHOSPHATE							.1 MG/L		-	.228 MG/L		J			
SULFATE							210 MG/L		-	57.1 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN										.1 MG/L		U			
TOTAL ORGANIC CARBON										3.9 MG/L		-			
TOTAL ORGANIC HALIDES										.023 MG/L		UJ			
TOTAL ORGANIC NITROGEN							.8 MG/L		-	.1 MG/L		U			
INORGANICS															
ALUMINUM				.041 MG/L		-				2.75 MG/L		-	.0609 MG/L		U
ANTIMONY				.03 MG/L		U				.014 MG/L		U	.014 MG/L		U
ARSENIC				.003 MG/L		U				.0073 MG/L		J	.002 MG/L		U
BARIUM				.182 MG/L		-				.235 MG/L		-	.17 MG/L		-
BERYLLIUM				.001 MG/L		U				.005 MG/L		U	.005 MG/L		U
CADMIUM				.005 MG/L		U				.005 MG/L		UJ	.0056 MG/L		J
CALCIUM				96.8 MG/L		-				110 MG/L		-	90.9 MG/L		-
CHROMIUM				.01 MG/L		U				.006 MG/L		U	.006 MG/L		U
COBALT				.02 MG/L		U				.017 MG/L		U	.017 MG/L		U
COPPER				.024 MG/L		U				.009 MG/L		U	.009 MG/L		U
CYANIDE							.02 MG/L		U	.005 MG/L		U	.005 MG/L		U
IRON				.043 MG/L		-				5.75 MG/L		-	.0595 MG/L		
LEAD				.03 MG/L		U				.0065 MG/L		-	.001 MG/L		
MAGNESIUM				43.9 MG/L		-				46.8 MG/L		-	41.9 MG/L		
MANGANESE				.056 MG/L		-				.294 MG/L		-	.0798 MG/L		
MERCURY				.0002 MG/L		U				.0001 MG/L		U	.0001 MG/L		

SAMPLE NUMBER:	066660			003076			003076			120522			120522F		
LAB:	IT			IT			IT			TCT			TCT		
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		-				.017 MG/L		UJ	.017 MG/L		UJ
NICKEL				.02 MG/L		U				.018 MG/L		U	.018 MG/L		U
POTASSIUM				1.19 MG/L		-				2.47 MG/L		-	1.51 MG/L		-
SELENIUM				.004 MG/L		U				.002 MG/L		U	.002 MG/L		U
SILICON										12.7 MG/L		J	7.37 MG/L		J
SILVER				.005 MG/L		U				.002 MG/L		U	.002 MG/L		U
SODIUM				62.8 MG/L		-				18.4 MG/L		-	17.5 MG/L		-
THALLIUM				.004 MG/L		U				.001 MG/L		UJ	.001 MG/L		UJ
VANADIUM				.01 MG/L		U				.024 MG/L		U	.024 MG/L		U
ZINC				.042 MG/L		U				.0227 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-238	31.4 PCI/L	4	R				1.4 PCI/L	.5	J						
URANIUM, TOTAL	68 UG/L	10	R				3 UG/L	1	R						
URANIUM-234	12.6 PCI/L	1.8	R				1.7 PCI/L	.6	J						
THORIUM-230	1.4 PCI/L		R				1 PCI/L		UJ						

SAMPLE NUMBER:	066660			003076			003076			120522			120522F		
LAB:	IT			IT			IT			TCT			TCT		
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															
RADIUM-226							1 PCI/L		U						
URANIUM-235/236	1 PCI/L		R				1 PCI/L		UJ						
THORIUM-232	1.4 PCI/L		R				1 PCI/L		UJ						
RADIUM-228							3 PCI/L		U						
THORIUM-228	1.6 PCI/L	1.1	R				1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99	30 PCI/L		R				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						
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						

SAMPLE NUMBER:	066660			003076			003076			120522			120522F		
LAB:	IT			IT			IT			TCT			TCT		
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															
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	.005 MG/L		U			
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		U	10 UG/L		U			
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U	1 UG/L		J			
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			
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		U			
4-METHYL-2-PENTANONE							10 UG/L		U	10 UG/L		U			
ACETONE							10 UG/L		U	10 UG/L		UJ			
BENZENE							5 UG/L		U	10 UG/L		U			

SAMPLE NUMBER:	066660			003076			003076			120522			120522F		
LAB:	IT			IT			IT			TCT			TCT		
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							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		U			
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							5 UG/L		U	1 UG/L		J			
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:	120524	120524F	120526	120526F	066822
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:	1029	1029	1029	1029	1029
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-JUL-93	12-JUL-93	12-JUL-93	12-JUL-93	15-DEC-89
NORTH COORDINATE:	480826.11	480826.11	480826.11	480826.11	480826.11
EAST COORDINATE:	1378398.38	1378398.38	1378398.38	1378398.38	1378398.38
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	.6	U	.4 PCI/L	.3	J							2.37 PCI/L	.48	-
URANIUM, TOTAL	2.5 UG/L	.2	-	1.8 UG/L	.1	-	1.4 UG/L		NV	1.1 UG/L		NV	7.26 UG/L	.77	-
URANIUM-234	1.7 PCI/L	3	-	.8 PCI/L	.3	J							3.65 PCI/L	.64	-
THORIUM-230	.4 PCI/L	.2	U	.2 PCI/L	.2	UJ							1 PCI/L		U
RADIUM-226	1 PCI/L	.3	UJ	1 PCI/L	.3	UJ									
URANIUM-235/236	.3 PCI/L	.3	U	.2 PCI/L	.1	UJ							1 PCI/L		U
THORIUM-232	.2 PCI/L	.3	U	.2 PCI/L	.1	UJ									
THORIUM, TOTAL	1.8240244 PCI/L		NV												
RADIUM-228	3 PCI/L	1	U	3 PCI/L	.9	UJ									
THORIUM-228	.2 PCI/L	.2	U	.2 PCI/L	.2	UJ							1 PCI/L		U
TECHNETIUM-99	15 PCI/L	7.1	U	15 PCI/L	7.8	UJ							30 PCI/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	123363			123363			EMGW_SYSGEN_71			EMGW_SYSGEN_70			EMGW_SYSGEN_70		
TASK:	10.03.08			10.03.08			GWMON			GWMON			GWMON		
LAB:	IT			IT/RSL			NET			IT			NET		
WELL OR BORING NUMBER:	1029			1029			1029			1029			1029		
DEPTH:	0-29			0-29			-			-			-		
DATE COLLECTED:	15-JUL-93			15-JUL-93			18-OCT-90			19-APR-90			19-APR-90		
NORTH COORDINATE:	480826.11			480826.11			480826.11			480826.11			480826.11		
EAST COORDINATE:	1378398.38			1378398.38			1378398.38			1378398.38			1378398.38		
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							345 MG/L		NV						
AMMONIA							.05 MG/L		NV						
CHLORIDE							3 MG/L		NV				3 MG/L		NV
FLUORIDE							.86 MG/L		NV						
NITRATE, AS NITROGEN													.08 MG/L		NV
NITRATE/NITRITE							.03 MG/L		NV						
PH	10 UG/L		UJ				7.31 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							2.53 MG/L		NV						
SPECIFIC CONDUCTIVITY							723 UMHOS/CM		NV						
SULFATE							56 MG/L		NV				64 MG/L		NV
TOTAL DISSOLVED SOLIDS							462 MG/L		NV						
TOTAL ORGANIC CARBON							3 MG/L		NV				1 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.015 MG/L		NV
INORGANICS															
CYANIDE							.005 MG/L		UNV						
MOLYBDENUM	.02 MG/L		U												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238										1.73 PCI/L		NV			
URANIUM, TOTAL										3.64 UG/L		NV			
URANIUM-234										2.32 PCI/L		NV			
THORIUM-230										.67 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.529 PCI/L		NV			

SAMPLE NUMBER:	123363			123363			EMGW_SYSGEN_71			EMGW_SYSGEN_70			EMGW_SYSGEN_70		
LAB:	IT			IT/RSL			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-232										.67 PCI/L		UNV			
THORIUM, TOTAL										6 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.67 PCI/L		UNV			
NEPTUNIUM-237				.5 PCI/L	.114	UJ									
PLUTONIUM-239/240				.5 PCI/L	.0495	UJ									
PLUTONIUM-238				.5 PCI/L	.085	UJ									
STRONTIUM-90				1 PCI/L	.442	UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				11.6 PCI/L		UJ									
GROSS ALPHA										29.9 PCI/L	.0128	NV			
GROSS BETA										28 PCI/L	.0151	NV			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UJ												
1,2-DICHLOROBENZENE	10 UG/L		UJ										1 UG/L		UNV
1,3-DICHLOROBENZENE	10 UG/L		UJ										1 UG/L		UNV
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-CHLOROETHYLVINYL ETHER							10 UG/L		UNV				60 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												

SAMPLE NUMBER:	123363			123363			EMGW_SYSGEN_71			EMGW_SYSGEN_70			EMGW_SYSGEN_70		
LAB:	IT			IT/RSL			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)
SEMIVOLATILES															
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												
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				.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						
1,2-DICHLOROPROPANE							1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	123363			123363			EMGW_SYSGEN_71			EMGW_SYSGEN_70			EMGW_SYSGEN_70		
LAB:	IT			IT/RSL			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															
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 1 WELLS

SAMPLE NUMBER:	003354			003354			003852			003852			003634		
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:	1029			1029			1029			1029			1029		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-JUL-88			20-JUL-88			22-JAN-89			22-JAN-89			23-OCT-88		
NORTH COORDINATE:	480826.11			480826.11			480826.11			480826.11			480826.11		
EAST COORDINATE:	1378398.38			1378398.38			1378398.38			1378398.38			1378398.38		
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															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				1.5 MG/L		-				2 MG/L		U			
FLUORIDE				1.1 MG/L		-				1.3 MG/L		-			
NITRATE				.173 MG/L		J				.05 MG/L		R			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.15 MG/L		-				.4 MG/L		-			
SULFATE				124 MG/L		-				140 MG/L		-			
TOTAL KJELDAHL NITROGEN										.1 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.024 MG/L		J				.1 MG/L		-			
INORGANICS															
ARSENIC	.2 MG/L		U				.002 MG/L		U				.002 MG/L		U
BARIUM	.159 MG/L		-				.15 MG/L		-				.163 MG/L		-
CADMIUM	.002 MG/L		U				.008 MG/L		-				.002 MG/L		U
CALCIUM	95.2 MG/L		-				95.8 MG/L		-				101 MG/L		-
CHROMIUM	.02 MG/L		U				.022 MG/L		-				.02 MG/L		U
COPPER	.01 MG/L		U				.014 MG/L		-				.01 MG/L		U
IRON	.005 MG/L		U				.04 MG/L		U				.103 MG/L		-
LEAD	.05 MG/L		U				.002 MG/L		UJ				.015 MG/L		J
MAGNESIUM	43.9 MG/L		-				43.2 MG/L		-				44.4 MG/L		-
MANGANESE	.07 MG/L		-				.052 MG/L		-				.126 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		U				.0002 MG/L		UJ
MOLYBDENUM	.03 MG/L		-				.02 MG/L		U				.02 MG/L		U
NICKEL	.02 MG/L		U				.025 MG/L		-				.02 MG/L		U
POTASSIUM	1.65 MG/L		J				1.94 MG/L		-				3.6 MG/L		-
SELENIUM	.2 MG/L		U				.004 MG/L		U				.002 MG/L		UJ
SILVER	.01 MG/L		U				.0005 MG/L		U				.0005 MG/L		U
SODIUM	31.9 MG/L		J				32.2 MG/L		-				27.6 MG/L		-

000875

RADIONUCLIDES

URANIUM-238 1 PCI/L R 1 PCI/L U

09/30/94

SAMPLE NUMBER:	003354			003354			003852			003852			003634		
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)
RADIONUCLIDES															
URANIUM, TOTAL				3 UG/L	1	-				3 UG/L	1	-			
URANIUM-234				1.4 PCI/L	.3	R				1.7 PCI/L	.5	-			
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				2 UG/L		U				4 UG/L		U			
RADIUM-228				3 PCI/L		U				3.1 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		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 1 WELLS

SAMPLE NUMBER:	003634			004061			GW930707-4			GW930707-4			GW930707-4		
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:	1029			1029			1030			1030			1030		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-OCT-88			31-MAR-89			07-JUL-93			07-JUL-93			07-JUL-93		
NORTH COORDINATE:	480826.11			480826.11			481232.33			481232.33			481232.33		
EAST COORDINATE:	1378398.38			1378398.38			1378976.48			1378976.48			1378976.48		
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	12.5 MG/L		-												
FLUORIDE	1.1 MG/L		-												
NITRATE	.1 MG/L		UJ												
PHENOLS	.03 MG/L		J												
PHOSPHORUS	.238 MG/L		-												
SULFATE	81 MG/L		J												
TOTAL KJELDAHL NITROGEN	.1 MG/L		U												
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
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				3.4 PCI/L	.5	J	3.1 PCI/L	.6	J			
URANIUM, TOTAL	2 UG/L	1	-				10.1 UG/L	.7	-	9.7 UG/L	.7	-	12 UG/L		NV
URANIUM-234	1.2 PCI/L	.3	J				3.9 PCI/L	.5	J	3.9 PCI/L	.6	J			
THORIUM-230	1 PCI/L		UJ				.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
RADIUM-226	1 PCI/L		U				1 PCI/L	.5	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236	1 PCI/L		UJ				.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ			
THORIUM-232	1 PCI/L		UJ				.2 PCI/L	.5	UJ	.2 PCI/L	.4	R			
THORIUM, TOTAL	3 UG/L		UJ				.91202212 PCI/L	.5	NV	1.8240122 PCI/L	.4	NV			

SAMPLE NUMBER:	003634			004061			GW930707-4			GW930707-4			GW930707-4		
LAB:	IT			IT			CORE			CORE			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															
RADIUM-228	3 PCI/L		U				3 PCI/L	1.3	UJ	3 PCI/L	1.2	U			
THORIUM-228	1 PCI/L		UJ				.2 PCI/L	.5	UJ	.2 PCI/L	.4	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				15 PCI/L	7.9	U	15 PCI/L	6	U			
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA													390 PCI/L		UNV
GROSS BETA													470 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930707-4			GW930707-4			066430			066430			003735		
TASK:	50.03.23			50.03.23			9.25			9.25			3.2.4		
LAB:	TCT			TCT			IT			IT			IT		
WELL OR BORING NUMBER:	1030			1030			1030			1030			1030		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUL-93			07-JUL-93			18-JUN-89			18-JUN-89			20-NOV-88		
NORTH COORDINATE:	481232.33			481232.33			481232.33			481232.33			481232.33		
EAST COORDINATE:	1378976.48			1378976.48			1378976.48			1378976.48			1378976.48		
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				323 MG/L		-									
AMMONIA				.03 MG/L		U									
CHLORIDE				2.97 MG/L		-									
FLUORIDE				.82 MG/L		-									
NITRATE/NITRITE				.413 MG/L		-									
PHOSPHATE				.123 MG/L		R									
SULFATE				373 MG/L		-									
TOTAL KJELDAHL NITROGEN				.3 MG/L		U									
TOTAL ORGANIC NITROGEN				.3 MG/L		U									
INORGANICS															
ALUMINUM	.147 MG/L		U	.355 MG/L		-	.188 MG/L		-						
ANTIMONY	.014 MG/L		U	.014 MG/L		UJ									
ARSENIC	.0022 MG/L		-	.0032 MG/L		-									
BARIUM	.0329 MG/L		-	.0357 MG/L		-	.0647 MG/L		-						
BERYLLIUM	.005 MG/L		UR	.005 MG/L		UR	.001 MG/L		U						
CADMIUM	.005 MG/L		U	.005 MG/L		U									
CALCIUM	138 MG/L		-	133 MG/L		-	154 MG/L		-						
CHROMIUM	.006 MG/L		UJ	.006 MG/L		UJ	.0436 MG/L		-						
COBALT	.017 MG/L		U	.017 MG/L		U	.01 MG/L		U						
COPPER	.009 MG/L		U	.009 MG/L		U	.01 MG/L		U						
CYANIDE				.005 MG/L		U									
IRON	.022 MG/L		U	.285 MG/L		-	.105 MG/L		-						
LEAD	.001 MG/L		UJ	.0126 MG/L		-	.002 MG/L		U						
MAGNESIUM	84.4 MG/L		-	80 MG/L		-	111 MG/L		-						
MANGANESE	.004 MG/L		U	.021 MG/L		-									
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	.136 MG/L		-						
POTASSIUM	2.84 MG/L		-	2.75 MG/L		-									
SELENIUM	.005 MG/L		UJ	.005 MG/L		UJ									

SAMPLE NUMBER:	GW930707-4			GW930707-4			066430			066430			003735		
LAB:	TCT			TCT			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															
SILICON	4.12 MG/L		-	4.55 MG/L		-									
SILVER	.002 MG/L		U	.002 MG/L		U	.0146 MG/L		-						
SODIUM	43 MG/L		-	41.6 MG/L		-									
THALLIUM	.001 MG/L		UJ	.001 MG/L		UJ									
VANADIUM	.024 MG/L		U	.024 MG/L		U	.0325 MG/L		-						
ZINC	.006 MG/L		U	.006 MG/L		-	.0268 MG/L		-						
RADIONUCLIDES															
URANIUM-238													10.5 PCI/L	1.4	R
URANIUM, TOTAL													30 UG/L	5	R
URANIUM-234													15.2 PCI/L	2	R
THORIUM-230													.4 PCI/L		R
RADIUM-226													.3 PCI/L	.1	R
URANIUM-235/236													.4 PCI/L	.2	R
THORIUM-232													.4 PCI/L		R
THORIUM, TOTAL													4 UG/L		R
RADIUM-228													2.3 PCI/L		R
THORIUM-228													.4 PCI/L		R
NEPTUNIUM-237													.2 PCI/L		R
PLUTONIUM-239/240													.05 PCI/L		R
PLUTONIUM-238													.05 PCI/L		R
STRONTIUM-90													.7 PCI/L		R
TECHNETIUM-99													23 PCI/L		R
RUTHENIUM-106													71 PCI/L		R
CESIUM-137													11 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				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		UJ									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				10 UG/L		UJ									
ACETONE				6 UG/L		J				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									

SAMPLE NUMBER:	GW930707-4			GW930707-4			066430			066430			003735		
LAB:	TCT			TCT			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															
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				8 UG/L		U			
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U				5 UG/L		U			
TOLUENE				10 UG/L		U				5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U				5 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:	066662	066663	066663	003933	003933
TASK:	9.27	9.27	9.27	3.2.4	3.2.4
LAB:	IT	WMCO	WMCO	IT	IT
WELL OR BORING NUMBER:	1030	1030	1030	1031	1031
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-NOV-89	21-NOV-89	21-NOV-89	02-APR-89	02-APR-89
NORTH COORDINATE:	481232.33	481232.33	481232.33	481167.08	481167.08
EAST COORDINATE:	1378976.48	1378976.48	1378976.48	1378136.61	1378136.61
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															
AMMONIA													121.1 MG/L		-
CHLORIDE							5 MG/L		NV				889.7 MG/L		-
FLUORIDE							.65 MG/L		NV				1.53 MG/L		-
NITRATE							1.41 MG/L		NV				41.4 MG/L		J
PHENOLS							.012 MG/L		NV				.02 MG/L		-
PHOSPHORUS													.363 MG/L		J
SULFATE							153 MG/L		NV				141.8 MG/L		J
TOTAL KJELDAHL NITROGEN													115 MG/L		-
TOTAL ORGANIC CARBON							9 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV				.896 MG/L		-
INORGANICS															
ALUMINUM				1.3 MG/L		NV	6.92 MG/L		NV						
ARSENIC				.0025 MG/L		UNV	.0025 MG/L		UNV	.002 MG/L		U			
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.116 MG/L		-			
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM										.0029 MG/L		-			
CALCIUM				162 MG/L		NV	213 MG/L		NV	234 MG/L		-			
CHROMIUM				.059 MG/L		NV	.246 MG/L		NV	.0215 MG/L		-			
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.12 MG/L		NV	.156 MG/L		NV	.0238 MG/L		-			
IRON				1.37 MG/L		NV	8 MG/L		NV	.118 MG/L		-			
LEAD				.012 MG/L		NV	.016 MG/L		NV	.002 MG/L		U			
MAGNESIUM				101 MG/L		NV	115 MG/L		NV	25.4 MG/L		-			
MANGANESE				.224 MG/L		NV	.279 MG/L		NV	.0263 MG/L		-			
MERCURY										.0005 MG/L		J			
MOLYBDENUM										.536 MG/L		-			
NICKEL				.054 MG/L		NV	.193 MG/L		NV	.0489 MG/L		-			
POTASSIUM										98.2 MG/L		J			
SELENIUM										.002 MG/L		R			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.0005 MG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066662			066663			066663			003933			003933		
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															
SODIUM				32 MG/L		NV	57 MG/L		NV	202 MG/L		-			
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.048 MG/L		NV	.1 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	6.62 PCI/L	.97	R										37.6 PCI/L	4.9	-
URANIUM, TOTAL	1 UG/L		R										106 UG/L	18	-
URANIUM-234	6.15 PCI/L	.91	R										13.1 PCI/L	1.9	-
THORIUM-230	1 PCI/L		R										1 PCI/L		U
RADIUM-226													3 PCI/L	.5	-
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		UJ
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
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 1 WELLS

SAMPLE NUMBER:	003933	EMGW_SYSGEN_74	003738	003738	EMGW_SYSGEN_75
TASK:	3.2.4	GWMON	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	1031	1031	1031	1031	1031
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-APR-89	03-MAY-90	04-DEC-88	04-DEC-88	04-MAY-90
NORTH COORDINATE:	481167.08	481167.08	481167.08	481167.08	481167.08
EAST COORDINATE:	1378136.61	1378136.61	1378136.61	1378136.61	1378136.61
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															
AMMONIA	133.3 MG/L		-							167 MG/L		-			
CHLORIDE										1120 MG/L		R			
FLUORIDE										1.5 MG/L		-			
NITRATE										25.8 MG/L		-			
PHENOLS										.042 MG/L		-			
PHOSPHORUS										.315 MG/L		-			
SULFATE										113 MG/L		-			
TOTAL KJELDAHL NITROGEN										146 MG/L		-			
TOTAL ORGANIC HALIDES										.67 MG/L		-			
INORGANICS															
ALUMINUM													.05 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC							.003 MG/L		R				.0025 MG/L		UNV
BARIUM							.105 MG/L		-				.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM							.002 MG/L		U				.001 MG/L		UNV
CALCIUM							322 MG/L		-				267 MG/L		NV
CHROMIUM							.02 MG/L		U						
COBALT													.025 MG/L		UNV
COPPER							.02 MG/L		-				.025 MG/L		UNV
IRON							.015 MG/L		J				.05 MG/L		UNV
LEAD							.002 MG/L		UJ				.005 MG/L		UNV
MAGNESIUM							7.62 MG/L		-				9.5 MG/L		NV
MANGANESE							.011 MG/L		-				.02 MG/L		NV
MERCURY							.0002 MG/L		J				.0002 MG/L		UNV
MOLYBDENUM							.678 MG/L		J				.585 MG/L		NV
NICKEL							.03 MG/L		-				.103 MG/L		NV
POTASSIUM							133 MG/L		-				104 MG/L		NV
SELENIUM							.004 MG/L		R				.0025 MG/L		UNV
SILVER							.02 MG/L		U				.001 MG/L		UNV

SAMPLE NUMBER:	003933			EMGW_SYSGEN_74			003738			003738			EMGW_SYSGEN_75		
LAB:	IT			IT			IT			IT			NET		
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															
SODIUM							224 MG/L		-				189 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238				2.82 PCI/L		NV				12.8 PCI/L	1.7	J			
URANIUM, TOTAL				8.4 UG/L		NV				33 UG/L	6	-			
URANIUM-234				.84 PCI/L		UNV				4.1 PCI/L	.7	J			
THORIUM-230				.41 PCI/L		UNV				1 PCI/L		UJ			
RADIUM-226				3.95 PCI/L		NV				2.9 PCI/L	.5	-			
URANIUM-235/236				.27 PCI/L		UNV				1 PCI/L		UJ			
THORIUM-232				.32 PCI/L		UNV				1 PCI/L		UJ			
THORIUM, TOTAL				7.8 UG/L		UNV				9 UG/L		UJ			
RADIUM-228				3 PCI/L		UNV				3 PCI/L		U			
THORIUM-228				.642 PCI/L		NV				1 PCI/L		UJ			
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 PCI/L		UNV				5 PCI/L		U			
TECHNETIUM-99				18 PCI/L		UNV				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				31.4 PCI/L		NV									
GROSS BETA				21 PCI/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_75	066557	066596	066596	066596
TASK:	GWMON	9.25	9.25	9.25	9.25
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	1031	1031	1031	1031	1031
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAY-90	08-SEP-89	08-SEP-89	08-SEP-89	08-SEP-89
NORTH COORDINATE:	481167.08	481167.08	481167.08	481167.08	481167.08
EAST COORDINATE:	1378136.61	1378136.61	1378136.61	1378136.61	1378136.61
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)
DIOXINS/FURANS															
1,4-DIOXANE										10000 UG/L		UR	1000 UG/L		UJ
GENERAL CHEMISTRY															
CHLORIDE	970 MG/L		NV	1150 MG/L		-									
FLUORIDE	1.72 MG/L		NV	1.6 MG/L		-									
NITRATE	26.9 MG/L		NV	33.1 MG/L		J									
NITRATE, AS NITROGEN	26.9 MG/L		NV												
PHENOLS	.005 MG/L		UNV												
SULFATE	213 MG/L		NV	144 MG/L		-									
SULFIDE				.5 MG/L		UJ							.5 MG/L		UJ
TOTAL ORGANIC CARBON	11 MG/L		NV	11.1 MG/L		-									
TOTAL ORGANIC HALIDES				.132 MG/L		J									
TOTAL ORGANIC HALOGENS	.387 MG/L		NV												
HERBICIDES															
2,4,5-T	5.3 UG/L		UNV										5 UG/L		UJ
2,4,5-TP (SILVEX)													.025 UG/L		UJ
2,4-D	5.3 UG/L		UNV										.05 UG/L		UJ
INORGANICS															
ALUMINUM	2.18 MG/L		NV				.215 MG/L		-						
ANTIMONY	.025 MG/L		UNV				.03 MG/L		U						
ARSENIC	.004 MG/L		NV				.002 MG/L		UJ						
BARIUM	.2 MG/L		UNV				.0878 MG/L		-						
BERYLLIUM	.01 MG/L		UNV				.0013 MG/L		U						
CADMIUM	.001 MG/L		UNV				.002 MG/L		U						
CALCIUM	259 MG/L		NV				315 MG/L		-						
CHROMIUM	.008 MG/L		NV				.0289 MG/L		-						
COBALT	.025 MG/L		UNV				.01 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_75			066557			066596			066596			066596		
LAB:	NET			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)
INORGANICS															
COPPER	.025 MG/L		UNV				.01 MG/L		U						
CYANIDE	.005 MG/L		UNV										.0794 MG/L		-
IRON	6.15 MG/L		NV				.102 MG/L		-						
LEAD	.005 MG/L		UNV				.0061 MG/L		J						
MAGNESIUM	9.3 MG/L		NV				8.54 MG/L		-						
MANGANESE	.21 MG/L		NV				.0141 MG/L		-						
MERCURY	.0002 MG/L		UNV				.0002 MG/L		U						
MOLYBDENUM	.675 MG/L		NV												
NICKEL	.257 MG/L		NV				.0278 MG/L		-						
OSMIUM							.128 MG/L		UR						
POTASSIUM	110 MG/L		NV				455 MG/L		-						
SELENIUM	.004 MG/L		NV				.0026 MG/L		J						
SILVER	.001 MG/L		UNV				.01 MG/L		U						
SODIUM	191 MG/L		NV				223 MG/L		-						
THALLIUM	.01 MG/L		UNV				.001 MG/L		UJ						
TIN							.03 MG/L		UR						
VANADIUM	.071 MG/L		NV				.0312 MG/L		-						
ZINC	.02 MG/L		UNV				.0299 MG/L		-						
No sort code listed.															
1,2,3-TRICHLOROPROPANE										50 UG/L		UR	5 UG/L		UJ
1,2,4,5-TETRACHLOROBENZENE													10 UG/L		U
1,2-DIBROMO-3-CHLOROPROPANE										100 UG/L		UR	10 UG/L		U
1,2-DIBROMOETHANE										50 UG/L		UR	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													4 UG/L		R
2,6-DICHLOROPHENOL													10 UG/L		UR
2-ACETYLAMINOFLUORENE													10 UG/L		U
2-CHLORO-1,3-BUTADIENE										50 UG/L		U	5 UG/L		U
2-NAPHTHYLAMINE													170 UG/L		U
2-PICOLINE													70 UG/L		U
3,3'-DIMETHYLBENZIDINE													80 UG/L		U
3-CHLOROPROPENE										50 UG/L		UR	5 UG/L		UR
3-METHYLCHOLANTHRENE													30 UG/L		U
3-METHYLPHENOL	5.3 UG/L		UNV										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)ANTHRACENE													20 UG/L		U
A,A-DIMETHYLPHENETHYLAMINE													10 UG/L		UJ
ACETONITRILE										2000 UG/L		UR	200 UG/L		UJ
ACETOPHENONE													10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_75			066557			066596			066596			066596		
LAB:	NET			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)
No sort code listed.															
ACROLEIN										100 UG/L		UR	10 UG/L		U
ACROLEIN										100 UG/L		UR	10 UG/L		U
ACRYLONITRILE										100 UG/L		UR	10 UG/L		UJ
ANILINE													10 UG/L		U
ARAMITE													10 UG/L		U
DIALLATE													10 UG/L		U
DIBROMOMETHANE										100 UG/L		UR	10 UG/L		U
DICHLORODIFLUOROMETHANE										2000 UG/L		UR	200 UG/L		UR
DINOSEB													20 UG/L		U
DIPHENYLAMINE	20 UG/L		UNV										10 UG/L		U
ETHYL CYANIDE										1000 UG/L		UR	100 UG/L		UJ
ETHYL METHACRYLATE										100 UG/L		UR	10 UG/L		UJ
ETHYL METHANESULFONATE													10 UG/L		U
HEXACHLOROPHENE													500 UG/L		UR
HEXACHLOROPROPENE													20 UG/L		U
IODOMETHANE										50 UG/L		UR	5 UG/L		U
ISODRIN													.05 UG/L		U
ISOSAFROLE													10 UG/L		U
KEPONE													.1 UG/L		U
METHACRYLONITRILE										100 UG/L		UR	10 UG/L		UR
METHAPYRILENE													40 UG/L		U
METHYL METHACRYLATE										100 UG/L		UR	10 UG/L		UJ
METHYL METHANESULFONATE													10 UG/L		U
N-NITROSODI-N-BUTYLAMINE													20 UG/L		U
N-NITROSODIETHYLAMINE													4 UG/L		J
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-1,2-DICHLOROETHENE										12 UG/L		R	18 UG/L		-
TRANS-1,4-DICHLORO-2-BUTENE										200 UG/L		UR	20 UG/L		UJ
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE													1 UG/L		UJ
DISULFOTON													1 UG/L		UJ
FAMPHUR													1 UG/L		UJ
METHYL PARATHION													.05 UG/L		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_75			066557			066596			066596			066596		
LAB:	NET			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															
PARATHION													.05 UG/L		UJ
PHORATE													1 UG/L		UJ
THIONAZIN													1 UG/L		UJ
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										.05 UG/L		U
DELTA-BHC	.2 UG/L		UNV										.1 UG/L		U
DIELDRIN	.2 UG/L		UNV										.1 UG/L		U
ENDOSULFAN II	.2 UG/L		UNV										.1 UG/L		U
ENDOSULFAN SULFATE	.2 UG/L		UNV										.05 UG/L		U
ENDOSULFAN-I	.2 UG/L		UNV										.1 UG/L		U
ENDRIN	.08 UG/L		UNV												
ENDRIN ALDEHYDE	.2 UG/L		UNV										.1 UG/L		U
ENDRIN KETONE													.05 UG/L		U
GAMMA-BHC (LINDANE)	.2 UG/L		UNV										.5 UG/L		U
GAMMA-CHLORDANE													.05 UG/L		U
HEPTACHLOR	.2 UG/L		UNV										.05 UG/L		U
HEPTACHLOR EPOXIDE	.2 UG/L		UNV										.5 UG/L		U
METHOXYCHLOR													1 UG/L		UJ
SULFOTEP													1 UG/L		U
TOXAPHENE	.5 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				5 PCI/L	.7	-									
URANIUM, TOTAL				15 UG/L	2	-									
URANIUM-234				1.6 PCI/L	.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									

000889

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 5.3 UG/L UNV 10 UG/L U
09/30/94

SAMPLE NUMBER:	EMGW_SYSGEN_75			066557			066596			066596			066596		
LAB:	NET			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															
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE	5.3 UG/L		UNV										10 UG/L		U
1,4-DICHLOROBENZENE	5.3 UG/L		UNV										10 UG/L		U
2,4,5-TRICHLOROPHENOL	5.3 UG/L		UNV										50 UG/L		UR
2,4,6-TRICHLOROPHENOL	5.3 UG/L		UNV										10 UG/L		UR
2,4-DICHLOROPHENOL	5.3 UG/L		UNV										10 UG/L		UR
2,4-DIMETHYLPHENOL	5.3 UG/L		UNV										10 UG/L		U
2,4-DINITROPHENOL	5.3 UG/L		UNV										50 UG/L		U
2,4-DINITROTOLUENE	20 UG/L		UNV										10 UG/L		U
2,6-DINITROTOLUENE	20 UG/L		UNV										10 UG/L		U
2-CHLORONAPHTHALENE	5.2 UG/L		UNV										10 UG/L		U
2-CHLOROPHENOL	5.3 UG/L		UNV										10 UG/L		U
2-METHYLNAPHTHALENE													10 UG/L		U
2-METHYLPHENOL	5.3 UG/L		UNV										10 UG/L		UR
2-NITROANILINE	20 UG/L		UNV										50 UG/L		U
2-NITROPHENOL	5.3 UG/L		UNV										12 UG/L		R
3,3'-DICHLOROBENZIDINE	20 UG/L		UNV										20 UG/L		U
3-NITROANILINE	20 UG/L		UNV										50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL	5.3 UG/L		UNV										6 UG/L		R
4-BROMOPHENYL PHENYL ETHER	20 UG/L		UNV										10 UG/L		U
4-CHLORO-3-METHYLPHENOL	5.3 UG/L		UNV										10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER	20 UG/L		UNV										10 UG/L		U
4-METHYLPHENOL													10 UG/L		UR
4-NITROANILINE	20 UG/L		UNV										50 UG/L		U
4-NITROPHENOL	5.3 UG/L		UNV										11 UG/L		R
ACENAPHTHENE													10 UG/L		U
ACENAPHTHYLENE	5.3 UG/L		UNV										10 UG/L		U
ANTHRACENE	5.3 UG/L		UNV										10 UG/L		U
BENZO(A)ANTHRACENE	5.3 UG/L		UNV										10 UG/L		U
BENZO(A)PYRENE	5.3 UG/L		UNV										10 UG/L		U
BENZO(B)FLUORANTHENE	5.3 UG/L		UNV										10 UG/L		U
BENZO(G,H,I)PERYLENE	5.3 UG/L		UNV										10 UG/L		U
BENZO(K)FLUORANTHENE	5.3 UG/L		UNV										10 UG/L		U
BENZOIC ACID	5.3 UG/L		UNV												
BENZYL ALCOHOL	53 UG/L		UNV										10 UG/L		U
BIS(2-CHLOROETHOXY)METHANE	20 UG/L		UNV										10 UG/L		U
BIS(2-CHLOROETHYL)ETHER	20 UG/L		UNV										10 UG/L		U
BIS(2-CHLOROISOPROPYL) ETHER	20 UG/L		UNV										10 UG/L		U
BIS(2-ETHYLHEXYL)PHTHALATE	5.3 UG/L		UNV										10 UG/L		U
BUTYL BENZYL PHTHALATE	5.3 UG/L		UNV										10 UG/L		U
CHRYSENE	5.3 UG/L		UNV										10 UG/L		U
DI-N-BUTYL PHTHALATE	5.3 UG/L		UNV										10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_75			066557			066596			066596			066596		
LAB:	NET			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															
DI-N-OCTYL PHTHALATE													10 UG/L		U
DIBENZO(A,H)ANTHRACENE	5.3 UG/L		UNV										10 UG/L		U
DIBENZOFURAN	5.3 UG/L		UNV										10 UG/L		U
DIETHYL PHTHALATE	5.3 UG/L		UNV										10 UG/L		U
DIMETHYL PHTHALATE	5.3 UG/L		UNV										10 UG/L		U
FLUORANTHENE	5.3 UG/L		UNV										10 UG/L		U
FLUORENE	5.3 UG/L		UNV										10 UG/L		U
HEXACHLOROBENZENE	5.3 UG/L		UNV										10 UG/L		U
HEXACHLOROBUTADIENE	5.3 UG/L		UNV										10 UG/L		U
HEXACHLOROCYCLOPENTADIENE	5.3 UG/L		UNV										10 UG/L		U
HEXACHLOROETHANE	5.3 UG/L		UNV										10 UG/L		U
INDENO(1,2,3-CD)PYRENE	5.3 UG/L		UNV										10 UG/L		U
ISOPHORONE	5.3 UG/L		UNV										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	5.3 UG/L		UNV										10 UG/L		U
N-NITROSODIMETHYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE	5.3 UG/L		UNV										3 UG/L		J
NAPHTHALENE	5.3 UG/L		UNV										2 UG/L		J
NITROBENZENE	5.3 UG/L		UNV										10 UG/L		U
O,O,O-TRIETHYLPHOSPHOROTHIOATE													10 UG/L		U
P-CHLOROANILINE	5.3 UG/L		UNV										10 UG/L		UJ
PENTACHLOROPHENOL	5.3 UG/L		UNV										3 UG/L		R
PHENANTHRENE	5.3 UG/L		UNV										10 UG/L		U
PHENOL	5.3 UG/L		UNV										10 UG/L		U
PYRENE	5.3 UG/L		UNV										10 UG/L		U
PYRIDINE	5.3 UG/L		UNV							500000 UG/L		UR	50000 UG/L		UJ
VOLATILES															
1,1,1,2-TETRACHLOROETHANE										50 UG/L		UR	5 UG/L		U
1,1,1-TRICHLOROETHANE	1.7 UG/L		NV							50 UG/L		UR	5 UG/L		U
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
1,1,2-TRICHLOROETHANE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
1,1-DICHLOROETHANE	21.4 UG/L		NV							26 UG/L		R	30 UG/L		-
1,1-DICHLOROETHENE	5.6 UG/L		NV							50 UG/L		UR	5 UG/L		-
1,2-DICHLOROETHANE	1.8 UG/L		NV							50 UG/L		UR	2 UG/L		J
1,2-DICHLOROETHENE (TOTAL)	77.7 UG/L		NV										120 UG/L		-
1,2-DICHLOROPROPANE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
2-BUTANONE	2 UG/L		UNV							100 UG/L		UR	3 UG/L		U
2-HEXANONE	2 UG/L		UNV							100 UG/L		UR	10 UG/L		U
4-METHYL-2-PENTANONE	5.9 UG/L		NV							100 UG/L		UR	6 UG/L		J
ACETONE	30.7 UG/L		NV							29 UG/L		R	15 UG/L		J
BENZENE	2.6 UG/L		NV							50 UG/L		UR	3 UG/L		J
BROMODICHLOROMETHANE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
BROMOFORM	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
BROMOMETHANE	1 UG/L		UNV							100 UG/L		UR	10 UG/L		U
CARBON DISULFIDE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_75			066557			066596			066596			066596		
LAB:	NET			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															
CARBON TETRACHLORIDE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
CHLOROBENZENE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		UJ
CHLOROETHANE										100 UG/L		UR	10 UG/L		UJ
CHLOROFORM	1.6 UG/L		NV							14 UG/L		R	2 UG/L		J
CHLOROMETHANE	1 UG/L		UNV							100 UG/L		UR	10 UG/L		U
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
DIBROMOCHLOROMETHANE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
ETHYLBENZENE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		UJ
ISOBUTYL ALCOHOL										30000 UG/L		UR	3000 UG/L		UJ
METHYLENE CHLORIDE	5 UG/L		NV							28 UG/L		R	6 UG/L		U
STYRENE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		UJ
TETRACHLOROETHENE	150 UG/L		NV							290 UG/L		R	290 UG/L		-
TOLUENE	1.1 UG/L		NV							50 UG/L		UR	2 UG/L		J
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							50 UG/L		UR	5 UG/L		U
TRICHLOROETHENE	137 UG/L		NV							520 UG/L		R	520 UG/L		-
TRICHLOROFLUOROMETHANE										50 UG/L		UR	5 UG/L		U
VINYL ACETATE	2 UG/L		UNV							100 UG/L		UR	10 UG/L		U
VINYL CHLORIDE	7 UG/L		NV							100 UG/L		UR	16 UG/L		-
XYLENES, TOTAL	1 UG/L		UNV							50 UG/L		UR	2 UG/L		J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066596			003494			EMGW_SYSGEN_78			EMGW_SYSGEN_78			EMGW_SYSGEN_78		
TASK:	9.25			3.2.4			GWMON			GWMON			GWMON		
LAB:	IT			IT			IT			NET			NET		
WELL OR BORING NUMBER:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-SEP-89			11-AUG-88			12-FEB-91			12-FEB-91			12-FEB-91		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	R-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													83 MG/L		NV
AMMONIA													133 MG/L		NV
CHLORIDE													906 MG/L		NV
FLUORIDE													1.43 MG/L		NV
NITRATE, AS NITROGEN													10.6 MG/L		NV
PH													9.15 SU		NV
PHENOLS	10 UG/L		UR										.005 MG/L		UNV
PHOSPHORUS													.16 MG/L		NV
SPECIFIC CONDUCTIVITY													3550 UMHOS/CM		NV
SULFATE													455 MG/L		NV
TOTAL DISSOLVED SOLIDS													1830 MG/L		NV
TOTAL ORGANIC CARBON													9 MG/L		NV
TOTAL ORGANIC HALOGENS													.477 MG/L		NV
INORGANICS															
ALUMINUM										.5 MG/L		UNV	.64 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC										.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM										.346 MG/L		NV	.4 MG/L		UNV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										160 MG/L		NV	217 MG/L		NV
CHROMIUM													.677 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										.05 MG/L		UNV	3.67 MG/L		NV
LEAD										.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM										8.6 MG/L		NV	9.4 MG/L		NV
MANGANESE										.02 MG/L		UNV	.07 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV

00892

6416

SAMPLE NUMBER:	066596			003494			EMGW_SYSGEN_78			EMGW_SYSGEN_78			EMGW_SYSGEN_78		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	R-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															
MOLYBDENUM										.647 MG/L		NV	.841 MG/L		NV
NICKEL										.082 MG/L		NV	.437 MG/L		NV
POTASSIUM										12.4 MG/L		NV	13.4 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										169 MG/L		NV	245 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.															
1,2,4,5-TETRACHLOROBENZENE	10 UG/L		UR												
1,3,5-TRINITROBENZENE	10 UG/L		UR												
1,3-DINITROBENZENE	10 UG/L		UR												
1,4-NAPHTHOQUINONE	10 UG/L		UR												
1-NAPHTHYLAMINE	120 UG/L		UR												
2,3,4,6-TETRACHLOROPHENOL	8 UG/L		R												
2,6-DICHLOROPHENOL	10 UG/L		UR												
2-ACETYLAMINOFLUORENE	10 UG/L		UR												
2-NAPHTHYLAMINE	170 UG/L		UR												
2-PICOLINE	70 UG/L		UR												
3,3'-DIMETHYLBENZIDINE	80 UG/L		UR												
3-METHYLCHOLANTHRENE	30 UG/L		UR												
3-METHYLPHENOL	10 UG/L		UR												
4-AMINOBIPHENYL	50 UG/L		UR												
4-NITROQUINOLINE-1-OXIDE	10 UG/L		UR												
5-NITRO-O-TOLUIDINE	20 UG/L		UR												
7,12-DIMETHYLBENZ(A)ANTHRACENE	20 UG/L		UR												
A,A-DIMETHYLPHENETHYLAMINE	10 UG/L		UR												
ACETOPHENONE	10 UG/L		UR												
ANILINE	10 UG/L		UR												
ARAMITE	10 UG/L		UR												
DIALLATE	10 UG/L		UR												
DINOSEB	20 UG/L		UR												
DIPHENYLAMINE	2 UG/L		R												
ETHYL METHANESULFONATE	10 UG/L		UR												
HEXACHLOROPHENE	500 UG/L		UR												
HEXACHLOROPROPENE	20 UG/L		UR												
ISOSAFROLE	10 UG/L		UR												
METHAPYRILENE	40 UG/L		UR												
METHYL METHANESULFONATE	10 UG/L		UR												
N-NITROSODI-N-BUTYLAMINE	20 UG/L		UR												
N-NITROSODIETHYLAMINE	3 UG/L		R												
N-NITROSOMETHYLETHYLAMINE	10 UG/L		UR												
N-NITROSOMORPHOLINE	10 UG/L		UR												

SAMPLE NUMBER:	066596			003494			EMGW_SYSGEN_78			EMGW_SYSGEN_78			EMGW_SYSGEN_78		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	R-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)
No sort code listed.															
N-NITROSOPIPERIDINE	10 UG/L		UR												
N-NITROSOPYRROLIDINE	10 UG/L		UR												
O-TOLUIDINE	10 UG/L		UR												
P-DIMETHYLAMINOAZOBENZENE	30 UG/L		UR												
P-PHENYLENEDIAMINE	50 UG/L		UR												
PENTACHLOROBENZENE	20 UG/L		UR												
PENTACHLOROETHANE	20 UG/L		UR												
PENTACHLORONITROBENZENE	20 UG/L		UR												
PHENACETIN	10 UG/L		UR												
PRONAMIDE	30 UG/L		UR												
SAFROLE	10 UG/L		UR												
TRANS-1,2-DICHLOROETHENE													11.2 UG/L		NV
RADIONUCLIDES															
URANIUM-238				1.4 PCI/L	.3	-	4.3 PCI/L		NV						
URANIUM, TOTAL				3 UG/L	1	-	10.4 UG/L		NV						
URANIUM-234				1.1 PCI/L	.3	-	1.7 PCI/L		NV						
THORIUM-230				1 PCI/L		UJ	.228 PCI/L		NV						
RADIUM-226				2.8 PCI/L	.7	-	2.3 PCI/L		NV						
URANIUM-235/236				1 PCI/L		U	.2 PCI/L		UNV						
THORIUM-232				1 PCI/L		UJ	.745 PCI/L		NV						
THORIUM, TOTAL				6 UG/L		UJ	6.72 UG/L		NV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		UJ	1.18 PCI/L		NV						
NEPTUNIUM-237				1 PCI/L		UJ	.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		R									
TECHNETIUM-99				30 PCI/L		U	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							28 PCI/L		UNV						
GROSS BETA							104 PCI/L		NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UR												
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		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		UR												

SAMPLE NUMBER:	066596			003494			EMGW_SYSGEN_78			EMGW_SYSGEN_78			EMGW_SYSGEN_78		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	R-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															
2,6-DINITROTOLUENE	10 UG/L		UR												
2-CHLOROETHYLVINYL ETHER													50 UG/L		UNV
2-CHLORONAPHTHALENE	10 UG/L		UR												
2-CHLOROPHENOL	10 UG/L		UR												
2-METHYLNAPHTHALENE	10 UG/L		UR												
2-METHYLPHENOL	10 UG/L		UR												
2-NITROANILINE	50 UG/L		UR												
2-NITROPHENOL	10 UG/L		UR												
3,3'-DICHLOROBENZIDINE	20 UG/L		UR												
3-NITROANILINE	50 UG/L		UR												
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UR												
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UR												
4-CHLORO-3-METHYLPHENOL	10 UG/L		UR												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UR												
4-METHYLPHENOL	10 UG/L		UR												
4-NITROANILINE	50 UG/L		UR												
4-NITROPHENOL	50 UG/L		UR												
ACENAPHTHENE	10 UG/L		UR												
ACENAPHTHYLENE	10 UG/L		UR												
ANTHRACENE	10 UG/L		U												
BENZO(A)ANTHRACENE	10 UG/L		UR												
BENZO(A)PYRENE	10 UG/L		UR												
BENZO(B)FLUORANTHENE	10 UG/L		UR												
BENZO(G,H,I)PERYLENE	10 UG/L		UR												
BENZO(K)FLUORANTHENE	10 UG/L		UR												
BENZYL ALCOHOL	10 UG/L		UR												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UR												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UR												
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UR												
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UR												
BUTYL BENZYL PHTHALATE	10 UG/L		UR												
CHRYSENE	10 UG/L		UR												
DI-N-BUTYL PHTHALATE	10 UG/L		UR												
DI-N-OCTYL PHTHALATE	10 UG/L		UR												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UR												
DIBENZOFURAN	10 UG/L		UR												
DIETHYL PHTHALATE	10 UG/L		UR												
DIMETHYL PHTHALATE	10 UG/L		UR												
FLUORANTHENE	10 UG/L		UR												
FLUORENE	10 UG/L		UR												
HEXACHLOROBENZENE	10 UG/L		UR												
HEXACHLOROBUTADIENE	10 UG/L		UR												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UR												
HEXACHLOROETHANE	10 UG/L		UR												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UR												
ISOPHORONE	10 UG/L		UR												

SAMPLE NUMBER:	066596			003494			EMGW_SYSGEN_78			EMGW_SYSGEN_78			EMGW_SYSGEN_78		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	R-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-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UR												
N-NITROSODIMETHYLAMINE	10 UG/L		UR												
N-NITROSODIPHENYLAMINE	4 UG/L		R												
NAPHTHALENE	10 UG/L		UR												
NITROBENZENE	10 UG/L		UR												
O,O,O-TRIETHYLPHOSPHOROTHIO ATE	10 UG/L		UR												
P-CHLOROANILINE	10 UG/L		UR												
PENTACHLOROPHENOL	5 UG/L		R												
PHENANTHRENE	10 UG/L		UR												
PHENOL	10 UG/L		UR										.005 MG/L		UNV
PYRENE	10 UG/L		UR												
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													22.8 UG/L		NV
1,1-DICHLOROETHENE													5 UG/L		UNV
1,2-DICHLOROETHANE													5 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)													57.1 UG/L		NV
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													10 UG/L		UNV
BENZENE													5 UG/L		UNV
BROMODICHLOROMETHANE													5 UG/L		UNV
BROMOFORM													5 UG/L		UNV
BROMOMETHANE													5 UG/L		UNV
CARBON DISULFIDE													5 UG/L		UNV
CARBON TETRACHLORIDE													5 UG/L		UNV
CHLOROBENZENE													5 UG/L		UNV
CHLOROETHANE													5 UG/L		UNV
CHLOROFORM													5 UG/L		UNV
CHLOROMETHANE													5 UG/L		UNV
CIS-1,3-DICHLOROPROPENE													5 UG/L		UNV
DIBROMOCHLOROMETHANE													5 UG/L		UNV
ETHYLBENZENE													5 UG/L		UNV
METHYLENE CHLORIDE													5 UG/L		UNV
STYRENE													5 UG/L		UNV
TETRACHLOROETHENE													182 UG/L		NV
TOLUENE													5 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE													5 UG/L		UNV
TRICHLOROETHENE													344 UG/L		NV
VINYL ACETATE													10 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066596			003494			EMGW_SYSGEN_78			EMGW_SYSGEN_78			EMGW_SYSGEN_78		
LAB:	IT			IT			IT			NET			NET		
SUFFIX/FILTERFLAG:	R-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													6.5 UG/L		NV
XYLENES, TOTAL													5 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930113-1			GW930113-1			GW930113-1			GW930113-1			099073		
TASK:	RCRA			RCRA			RCRA			RCRA			50.03.07		
LAB:	CORE			FERMCO Laboratory			NET			NET			IT/MWL		
WELL OR BORING NUMBER:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-JAN-93			13-JAN-93			13-JAN-93			13-JAN-93			13-NOV-92		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
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										163 MG/L		NV			
ALLYL CHLORIDE										5 UG/L		UNV			
AMMONIA										114 MG/L		NV			
BICARBONATE ALKALINITY										67 MG/L		NV			
CARBONATE ALKALINITY										84 MG/L		NV			
CHLORIDE										878 MG/L		NV			
FLUORIDE										2.95 MG/L		NV			
NITRATE										3 MG/L		NV			
NITRITE, AS NITROGEN										20.7 MG/L		NV			
PH										9.14 SU		NV			
PHENOLS										.01 MG/L		UNV			
PHOSPHORUS										.18 MG/L		NV			
SPECIFIC CONDUCTIVITY										3710 UMHOS/CM		NV			
SULFATE										305 MG/L		NV			
TOTAL DISSOLVED SOLIDS							2330 MG/L		NV						
TOTAL ORGANIC CARBON										8 MG/L		NV			
TOTAL ORGANIC HALIDES										.664 MG/L		NV			
TOTAL SOLIDS										1810 MG/L		NV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV	.2 MG/L		UNV	.03 MG/L		U
ANTIMONY							.02 MG/L		UNV	.02 MG/L		UNV	.005 MG/L		U
ARSENIC							.005 MG/L		UNV	.005 MG/L		UNV	.0025 MG/L		U
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.074 MG/L		-
BERYLLIUM							.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		U
CALCIUM							212 MG/L		NV	227 MG/L		NV	226 MG/L		-
CHROMIUM							.309 MG/L		NV	.35 MG/L		NV	.01 MG/L		U
COBALT							.0053 MG/L		NV	.0146 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			

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930113-1			GW930113-1			GW930113-1			GW930113-1			099073		
LAB:	CORE			FERMCO Laboratory			NET			NET			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)
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										166 UG/L		NV			
TOLUENE										1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
TRICHLOROETHENE										268 UG/L		NV			
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:	099073			099073			099075			EMGW_SYSGEN_77			EMGW_SYSGEN_77		
TASK:	50.03.07			50.03.07			50.03.07			GWMON			GWMON		
LAB:	IT/MWL			IT/MWL			FERMCO			IT			NET		
WELL OR BORING NUMBER:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-NOV-92			13-NOV-92			13-NOV-92			16-NOV-90			16-NOV-90		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-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													.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													179 MG/L		NV
COBALT													.025 MG/L		UNV
COPPER													.025 MG/L		UNV
CYANIDE				.0303 MG/L		-									
IRON													.05 MG/L		UNV
LEAD													.005 MG/L		UNV
MAGNESIUM													7 MG/L		NV
MANGANESE													.02 MG/L		UNV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													804 MG/L		NV
NICKEL													.037 MG/L		NV
POTASSIUM													165 MG/L		NV
SELENIUM													.004 MG/L		NV
SILVER													.001 MG/L		UNV
SODIUM													110 MG/L		NV
THALLIUM													.01 MG/L		UNV
TIN													1 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/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									

SAMPLE NUMBER:	099073			099073			099075			EMGW_SYSGEN_77			EMGW_SYSGEN_77		
LAB:	IT/MWL			IT/MWL			FERMCO			IT			NET		
SUFFIX/FILTERFLAG:	DL-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															
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										4.35 PCI/L		NV			
URANIUM, TOTAL							8.2 UG/L		NV	13 UG/L		NV			
URANIUM-234										1.38 PCI/L		NV			
THORIUM-230										.46 PCI/L		UNV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.2 PCI/L		UNV			
THORIUM-232										.46 PCI/L		UNV			
THORIUM, TOTAL										4.2 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.859 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										5.5 PCI/L		UNV			
GROSS ALPHA										33.8 PCI/L		NV			
GROSS BETA										125 PCI/L		NV			
SEMIVOLATILES															

SAMPLE NUMBER:	099073			099073			099075			EMGW_SYSGEN_77			EMGW_SYSGEN_77		
LAB:	IT/MWL			IT/MWL			FERMCO			IT			NET		
SUFFIX/FILTERFLAG:	DL-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															
1,2-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		UJ									
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		U									
2-NITROPHENOL				10 UG/L		UR									
3,3'-DICHLOROBENZIDINE				20 UG/L		U									
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				3 UG/L		J									
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		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		UJ									
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				3 UG/L		J									
DI-N-OCTYL PHTHALATE				10 UG/L		U									
DIBENZO(A,H)ANTHRACENE				10 UG/L		U									
DIBENZOFURAN				10 UG/L		U									

SAMPLE NUMBER:	099073			099073			099075			EMGW_SYSGEN_77			EMGW_SYSGEN_77		
LAB:	IT/MWL			IT/MWL			FERMCO			IT			NET		
SUFFIX/FILTERFLAG:	DL-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															
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		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		UJ									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				7 UG/L		J									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		UR									
PYRENE				10 UG/L		U									
TRIBUTYL PHOSPHATE	320 UG/L		-												
VOLATILES															
1,1,1-TRICHLOROETHANE				3 UG/L		J									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				21 UG/L		-									
1,1-DICHLOROETHENE				5 UG/L		-									
1,2-DICHLOROETHANE				5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				46 UG/L		-									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				5 UG/L		J									
2-HEXANONE				10 UG/L		UJ									
4-METHYL-2-PENTANONE				7 UG/L		J									
ACETONE				33 UG/L		UJ									
BENZENE				2 UG/L		J									
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				2 UG/L		U									
CHLOROMETHANE				10 UG/L		U									
CIS-1,3-DICHLOROPROPENE				5 UG/L		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									

SAMPLE NUMBER:	099073			099073			099075			EMGW_SYSGEN_77			EMGW_SYSGEN_77		
LAB:	IT/MWL			IT/MWL			FERMCO			IT			NET		
SUFFIX/FILTERFLAG:	DL-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															
ETHYLBENZENE				5 UG/L		U									
METHYLENE CHLORIDE				14 UG/L		UJ									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				160 UG/L		-									
TOLUENE				5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE	290 UG/L		-												
VINYL ACETATE				10 UG/L		UJ									
VINYL CHLORIDE				9 UG/L		J									
XYLENES, TOTAL				2 UG/L		J									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_77	EMGW_SYSGEN_72	EMGW_SYSGEN_72	066427	066427
TASK:	GWMON	GWMON	GWMON	9.25	9.25
LAB:	NET	NET	NET	IT	IT
WELL OR BORING NUMBER:	1031	1031	1031	1031	1031
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-NOV-90	18-FEB-90	18-FEB-90	19-JUN-89	19-JUN-89
NORTH COORDINATE:	481167.08	481167.08	481167.08	481167.08	481167.08
EAST COORDINATE:	1378136.61	1378136.61	1378136.61	1378136.61	1378136.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	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)
DIOXINS/FURANS															
1,4-DIOXANE	5000 UG/L		UNV												
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	145 MG/L		NV												
ALLYL CHLORIDE	100 UG/L		UNV												
AMMONIA	112 MG/L		NV												
CHLORIDE	755 MG/L		NV				1100 MG/L		NV						
FLUORIDE	1.12 MG/L		NV				1.24 MG/L		NV						
NITRATE, AS NITROGEN							30.1 MG/L		NV						
NITRATE/NITRITE	30.6 MG/L		NV												
PH	8.81 SU		NV				.012 MG/L		NV						
PHENOLS	.005 MG/L		UNV				.012 MG/L		NV						
PHOSPHORUS	.24 MG/L		NV												
SPECIFIC CONDUCTIVITY	2250 UMHOS/CM		NV												
SULFATE	221 MG/L		NV				146 MG/L		NV						
SULFIDE	.8 MG/L		UNV												
TOTAL DISSOLVED SOLIDS	2540 MG/L		NV												
TOTAL ORGANIC CARBON	8 MG/L		NV				11 MG/L		NV						
TOTAL ORGANIC HALOGENS	.868 MG/L		NV				.713 MG/L		NV						
HERBICIDES															
2,4,5-T	25 UG/L		UNV												
2,4,5-TP (SILVEX)	25 UG/L		UNV												
2,4-D	50 UG/L		UNV												
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.05 MG/L		UNV	.541 MG/L		NV	.226 MG/L		-			
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV	.0025 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_77			EMGW_SYSGEN_72			EMGW_SYSGEN_72			066427			066427		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			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)
INORGANICS															
BARIUM	.2 MG/L		UNV	.334 MG/L		NV	.497 MG/L		NV	.811 MG/L		-			
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.0019 MG/L		-			
CADMIUM	.001 MG/L		UNV												
CALCIUM	189 MG/L		NV	357 MG/L		NV	348 MG/L		NV	313 MG/L		-			
CHROMIUM	.005 MG/L		UNV				.005 MG/L		UNV	.0364 MG/L		-			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.025 MG/L		UNV	.0121 MG/L		-			
COPPER	.025 MG/L		UNV	.027 MG/L		NV	.03 MG/L		NV	.01 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON	2 MG/L		NV	.05 MG/L		UNV	1.25 MG/L		NV	.601 MG/L		-			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U			
MAGNESIUM	8 MG/L		NV	3 MG/L		NV	3.7 MG/L		NV	5.68 MG/L		-			
MANGANESE	.079 MG/L		NV	.02 MG/L		UNV	.058 MG/L		NV						
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	708 MG/L		NV												
NICKEL	.253 MG/L		NV	.033 MG/L		NV	.16 MG/L		NV	.0392 MG/L		-			
POTASSIUM	108 MG/L		NV												
SELENIUM	.004 MG/L		NV												
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV	.0131 MG/L		-			
SODIUM	121 MG/L		NV	384 MG/L		NV	442 MG/L		NV						
THALLIUM	.01 MG/L		UNV												
TIN	1 MG/L		UNV												
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV	.0332 MG/L		-			
ZINC	.025 MG/L		NV	.02 MG/L		UNV	.02 MG/L		UNV	.0048 MG/L		U			
No sort code listed.															
1,2,3-TRICHLOROPROPANE	5 UG/L		UNV												
1,2,4,5-TETRACHLOROBENZENE	4 UG/L		UNV												
1,2-DIBROMO-3-CHLOROPROPANE	100 UG/L		UNV												
1,2-DIBROMOETHANE	100 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	4.2 UG/L		NV												
2,6-DICHLOROPHENOL	4 UG/L		UNV												
2-ACETYLAMINOFLUORENE	15 UG/L		UNV												
2-CHLORO-1,3-BUTADIENE	100 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	15 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_77			EMGW_SYSGEN_72			EMGW_SYSGEN_72			066427			066427		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			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)
No sort code listed.															
A,A-DIMETHYLPHENETHYLAMINE	15 UG/L		UNV												
ACETONITRILE	1000 UG/L		UNV												
ACETOPHENONE	15 UG/L		UNV												
ACROLEIN	100 UG/L		UNV												
ACROLEIN	100 UG/L		UNV												
ACRYLONITRILE	100 UG/L		UNV												
ANILINE	4 UG/L		UNV												
ARAMITE	15 UG/L		UNV												
DIALLATE	15 UG/L		UNV												
DIBROMOMETHANE	5 UG/L		UNV												
DICHLORODIFLUOROMETHANE	7.4 UG/L		NV												
DINOSEB	25 UG/L		UNV												
DIPHENYLAMINE	15 UG/L		UNV												
ETHYL CYANIDE	100 UG/L		UNV												
ETHYL METHACRYLATE	100 UG/L		UNV												
ETHYL METHANESULFONATE	15 UG/L		UNV												
HEXACHLOROPHENE	4 UG/L		UNV												
HEXACHLOROPROPENE	4 UG/L		UNV												
IODOMETHANE	100 UG/L		UNV												
ISODRIN	4 UG/L		UNV												
ISOSAFROLE	15 UG/L		UNV												
KEPONE	4 UG/L		UNV												
METHACRYLONITRILE	100 UG/L		UNV												
METHAPYRILENE	15 UG/L		UNV												
METHYL METHACRYLATE	100 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	100 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	9.1 UG/L		NV												
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE	15 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_77			EMGW_SYSGEN_72			EMGW_SYSGEN_72			066427			066427		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			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)
ORGANOPHOSPHORUS PESTICIDES															
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												
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												
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												

SAMPLE NUMBER:	EMGW_SYSGEN_77			EMGW_SYSGEN_72			EMGW_SYSGEN_72			066427			066427		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			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															
2,4-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	7.2 UG/L		NV												
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												

SAMPLE NUMBER:	EMGW_SYSGEN_77			EMGW_SYSGEN_72			EMGW_SYSGEN_72			066427			066427		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			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															
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	5 UG/L		NV												
PHENANTHRENE	4 UG/L		UNV												
PHENOL	4 UG/L		UNV				.012 MG/L		NV						
PYRENE	4 UG/L		UNV												
PYRIDINE	4 UG/L		UNV												
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	5 UG/L		UNV												
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	20.8 UG/L		NV				37.2 UG/L		NV				31 UG/L		-
1,1-DICHLOROETHENE	5 UG/L		UNV												
1,2-DICHLOROETHANE	5 UG/L		UNV				2.6 UG/L		NV						
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	10 UG/L		UNV				78 UG/L		NV				42 UG/L		U
BENZENE	5 UG/L		UNV												
BROMODICHLOROMETHANE	5 UG/L		UNV												
BROMOFORM	5 UG/L		UNV												
BROMOMETHANE	5 UG/L		UNV												
CARBON DISULFIDE	5 UG/L		UNV												
CARBON TETRACHLORIDE	5 UG/L		UNV												
CHLOROBENZENE	5 UG/L		UNV												
CHLOROETHANE	5 UG/L		UNV												
CHLOROFORM	5 UG/L		UNV												
CHLOROMETHANE	5 UG/L		UNV												
CIS-1,3-DICHLOROPROPENE	5 UG/L		UNV												
DIBROMOCHLOROMETHANE	5 UG/L		UNV												
ETHYLBENZENE	5 UG/L		UNV												
ISOBUTYL ALCOHOL	3000 UG/L		UNV												
METHYLENE CHLORIDE	5 UG/L		UNV				5 UG/L		NV				38 UG/L		U
STYRENE	5 UG/L		UNV												
T-1,4-DICHLORO-2-BUTENE	100 UG/L		UNV												
TETRACHLOROETHENE	195 UG/L		NV				126 UG/L		NV				260 UG/L		-
TOLUENE	5 UG/L		UNV				1.5 UG/L		NV				25 UG/L		U
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UNV												
TRICHLOROETHENE	292 UG/L		NV				214 UG/L		NV				540 UG/L		

SAMPLE NUMBER:	EMGW_SYSGEN_77			EMGW_SYSGEN_72			EMGW_SYSGEN_72			066427			066427		
LAB:	NET			NET			NET			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			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)
VOLATILES															
TRICHLOROFLUOROMETHANE	5 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV												
VINYL CHLORIDE	5 UG/L		UNV												
XYLENES, TOTAL	5 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066427			EMGW_SYSGEN_73			EMGW_SYSGEN_83			066664			066665		
TASK:	9.25			GWMON			GWMON			9.27			9.27		
LAB:	IT			IT			WMCO			IT			WMCO		
WELL OR BORING NUMBER:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JUN-89			20-FEB-90			21-APR-92			21-NOV-89			21-NOV-89		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
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	1060 MG/L		-												
FLUORIDE	1.7 MG/L		-												
NITRATE	45.7 MG/L		J												
SULFATE	267 MG/L		-												
TOTAL ORGANIC CARBON	15.8 MG/L		-												
TOTAL ORGANIC HALIDES	.74 MG/L		J												
INORGANICS															
ALUMINUM													.315 MG/L		NV
ARSENIC													.0025 MG/L		UNV
BARIUM													.259 MG/L		NV
BERYLLIUM													.01 MG/L		UNV
CALCIUM													295 MG/L		NV
CHROMIUM													.005 MG/L		UNV
COBALT													.025 MG/L		UNV
COPPER													.041 MG/L		NV
IRON													.05 MG/L		UNV
LEAD													.005 MG/L		UNV
MAGNESIUM													4.6 MG/L		NV
MANGANESE													.02 MG/L		UNV
NICKEL													.087 MG/L		NV
SILVER													.001 MG/L		UNV
SODIUM													246 MG/L		NV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	7.3 PCI/L	1	-	3.3 PCI/L		NV				12.8 PCI/L	1.8	R			
URANIUM, TOTAL	25 UG/L	4	-	9.9 UG/L		NV	50.9 UG/L		NV	28 UG/L	5	R			
URANIUM-234	3 PCI/L	.5	-	2.2 PCI/L		NV				4.73 PCI/L	.8	R			

6416

2150512

SAMPLE NUMBER:	066427			EMGW_SYSGEN_73			EMGW_SYSGEN_83			066664			066665		
LAB:	IT			IT			WMCO			IT			WMCO		
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)
RADIONUCLIDES															
THORIUM-230	1 PCI/L		UJ							1 PCI/L		R			
URANIUM-235/236	1 PCI/L		U							1 PCI/L		R			
THORIUM-228	1 PCI/L		UJ							1 PCI/L		R			
TECHNETIUM-99	30 PCI/L		U	15 PCI/L		UNV				30 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066665			EMGW_SYSGEN_76			EMGW_SYSGEN_76			EMGW_SYSGEN_76			EMGW_SYSGEN_76D		
TASK:	9.27			GWMON			GWMON			GWMON			GWMON		
LAB:	WMCO			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-NOV-89			22-AUG-90			22-AUG-90			22-AUG-90			22-AUG-90		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													EMGW_SYSGEN_76		
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	1100 MG/L		NV							892 MG/L		NV			
FLUORIDE	1.18 MG/L		NV							1.56 MG/L		NV			
NITRATE	25.4 MG/L		NV							12.5 MG/L		NV			
NITRATE, AS NITROGEN										12.5 MG/L		NV			
PHENOLS	.012 MG/L		NV							.014 MG/L		NV			
SULFATE	173 MG/L		NV							224 MG/L		NV			
TOTAL ORGANIC CARBON	9 MG/L		NV							9 MG/L		NV			
TOTAL ORGANIC HALIDES	.752 MG/L		NV												
TOTAL ORGANIC HALOGENS										.706 MG/L		NV			
INORGANICS															
ALUMINUM	1.5 MG/L		NV				.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	.0025 MG/L		UNV			
BARIUM	.362 MG/L		NV				.2 MG/L		UNV	.229 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	331 MG/L		NV				244 MG/L		NV	282 MG/L		NV			
CHROMIUM	3.48 MG/L		NV							.154 MG/L		NV			
COBALT	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.076 MG/L		NV				.025 MG/L		UNV	.025 MG/L		UNV			
IRON	12.5 MG/L		NV				.05 MG/L		UNV	1.97 MG/L		NV			
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	4.9 MG/L		NV				5.2 MG/L		NV	5.2 MG/L		NV			
MANGANESE	.625 MG/L		NV				.02 MG/L		UNV	.062 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.003 MG/L		NV			
MOLYBDENUM							1.22 MG/L		NV	1.27 MG/L		NV			
NICKEL	1.61 MG/L		NV				.015 MG/L		NV	.132 MG/L		NV			
POTASSIUM							144 MG/L		NV	153 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			

6416

914

SAMPLE NUMBER:	066665			EMGW_SYSGEN_76			EMGW_SYSGEN_76			EMGW_SYSGEN_76			EMGW_SYSGEN_76D		
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															
SODIUM	533 MG/L		NV				220 MG/L		NV	249 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			
RADIONUCLIDES															
URANIUM-238				5.56 PCI/L		NV							7.44 PCI/L		NV
URANIUM, TOTAL				16.7 UG/L		NV							22.4 UG/L		NV
URANIUM-234				2.11 PCI/L		NV							2.82 PCI/L		NV
THORIUM-230				.5 PCI/L		UNV							.67 PCI/L		UNV
RADIUM-226				1 PCI/L		UNV							1 PCI/L		UNV
URANIUM-235/236				.46 PCI/L		NV							.667 PCI/L		NV
THORIUM-232				.5 PCI/L		UNV							.67 PCI/L		UNV
THORIUM, TOTAL				4.6 UG/L		UNV							6 UG/L		UNV
RADIUM-228				3 PCI/L		UNV							3 PCI/L		UNV
THORIUM-228				.79 PCI/L		NV							.67 PCI/L		UNV
GROSS ALPHA				330 PCI/L		NV							29.6 PCI/L		NV
GROSS BETA				538 PCI/L		NV							114 PCI/L		NV
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	45 UG/L		NV							24 UG/L		NV			
1,1-DICHLOROETHENE										5 UG/L		UNV			
1,2-DICHLOROETHANE	12.5 UG/L		UNV							5 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										56 UG/L		NV			
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	12.5 UG/L		UNV							10 UG/L		UNV			
BENZENE										5 UG/L		UNV			
BROMODICHLOROMETHANE										5 UG/L		UNV			
BROMOFORM										5 UG/L		UNV			
BROMOMETHANE										5 UG/L		UNV			
CARBON DISULFIDE										5 UG/L		UNV			
CARBON TETRACHLORIDE										5 UG/L		UNV			
CHLOROBENZENE										5 UG/L		UNV			
CHLOROFORM										5 UG/L		UNV			
CHLOROMETHANE										5 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										5 UG/L		UNV			
DIBROMOCHLOROMETHANE										5 UG/L		UNV			
ETHYLBENZENE										5 UG/L		UNV			
METHYLENE CHLORIDE	12.5 UG/L		UNV							5 UG/L		UNV			

SAMPLE NUMBER:	066665														
LAB:	WMCO														
SUFFIX/FILTERFLAG:	NONE-UNF														
	EMGW_SYSGEN_76 IT NONE-UNF			EMGW_SYSGEN_76 NET NONE-FIL			EMGW_SYSGEN_76 NET NONE-UNF			EMGW_SYSGEN_76D IT NONE-UNF					
	RESULT	SIGMA	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		UNV			
TETRACHLOROETHENE	248 UG/L		NV							186 UG/L		NV			
TOLUENE	12.5 UG/L		UNV							5 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		UNV			
TRICHLOROETHENE	527 UG/L		NV							334 UG/L		NV			
VINYL ACETATE										10 UG/L		UNV			
VINYL CHLORIDE										5 UG/L		UNV			
XYLENES, TOTAL										5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_76D			EMGW_SYSGEN_76D			EMGW_SYSGEN_81			EMGW_SYSGEN_81			EMGW_SYSGEN_81		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			WMCO		
WELL OR BORING NUMBER:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-AUG-90			22-AUG-90			23-OCT-91			23-OCT-91			23-OCT-91		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	EMGW_SYSGEN_76			EMGW_SYSGEN_76											
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										149 MG/L		NV			
AMMONIA										127 MG/L		NV			
CHLORIDE				945 MG/L		NV				882 MG/L		NV			
FLUORIDE				1.62 MG/L		NV				1.76 MG/L		NV			
NITRATE, AS NITROGEN				20.3 MG/L		NV				.02 MG/L		UNV			
PH				.005 MG/L		UNV				9.16 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS										.19 MG/L		NV			
SPECIFIC CONDUCTIVITY										3490 UMHOS/CM		NV			
SULFATE				243 MG/L		NV				303 MG/L		NV			
TOTAL DISSOLVED SOLIDS										2380 MG/L		NV			
TOTAL ORGANIC CARBON				8 MG/L		NV				9 MG/L		NV			
TOTAL ORGANIC HALOGENS				.847 MG/L		NV				.56 MG/L		NV			
INORGANICS															
ALUMINUM	.5 MG/L		UNV	.5 MG/L		UNV	.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	262 MG/L		NV	277 MG/L		NV	124 MG/L		NV	240 MG/L		NV			
CHROMIUM				.153 MG/L		NV				.0032 MG/L		NV			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.0086 MG/L		NV			
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.029 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON	.05 MG/L		UNV	1.03 MG/L		NV	.14 MG/L		NV	1.93 MG/L		NV			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.003 MG/L		UNV	.003 MG/L		UNV			
MAGNESIUM	5.6 MG/L		NV	5.6 MG/L		NV	13 MG/L		NV	14 MG/L		NV			
MANGANESE	.02 MG/L		UNV	.039 MG/L		NV	.015 MG/L		UNV	.036 MG/L		NV			
MERCURY	.0004 MG/L		NV	.004 MG/L		NV	.0002 MG/L		UNV	.0002 MG/L		UNV			

09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_76D			EMGW_SYSGEN_76D			EMGW_SYSGEN_81			EMGW_SYSGEN_81			EMGW_SYSGEN_81		
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															
MOLYBDENUM	1.18 MG/L		NV	1.23 MG/L		NV	1.42 MG/L		NV	1.19 MG/L		NV			
NICKEL	.013 MG/L		NV	.117 MG/L		NV	.041 MG/L		NV	.263 MG/L		NV			
POTASSIUM	147 MG/L		NV	151 MG/L		NV	95 MG/L		NV	96 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	222 MG/L		NV	241 MG/L		NV	167 MG/L		NV	204 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		UNV	.02 MG/L		UNV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										6 UG/L		NV			
RADIONUCLIDES															
URANIUM, TOTAL													6.5 UG/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										50 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
1,1,2-TRICHLOROETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
1,1-DICHLOROETHANE				21 UG/L		NV				19.9 UG/L		NV			
1,1-DICHLOROETHENE				2.5 UG/L		UNV				5 UG/L		UNV			
1,2-DICHLOROETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				8.5 UG/L		NV				40.3 UG/L		NV			
1,2-DICHLOROPROPANE				2.5 UG/L		UNV				5 UG/L		UNV			
2-BUTANONE				5 UG/L		UNV				10 UG/L		UNV			
2-HEXANONE				5 UG/L		UNV				10 UG/L		UNV			
4-METHYL-2-PENTANONE				5 UG/L		UNV				10 UG/L		UNV			
ACETONE				5 UG/L		UNV				10 UG/L		UNV			
BENZENE				2.5 UG/L		UNV				5 UG/L		UNV			
BROMODICHLOROMETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
BROMOFORM				2.5 UG/L		UNV				5 UG/L		UNV			
BROMOMETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
CARBON DISULFIDE				2.5 UG/L		UNV				5 UG/L		UNV			
CARBON TETRACHLORIDE				2.5 UG/L		UNV				5 UG/L		UNV			
CHLOROBENZENE				2.5 UG/L		UNV				5 UG/L		UNV			
CHLOROETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
CHLOROFORM				2.5 UG/L		UNV				5 UG/L		UNV			
CHLOROMETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE															

010918

SAMPLE NUMBER:	EMGW_SYSGEN_76D			EMGW_SYSGEN_76D			EMGW_SYSGEN_81			EMGW_SYSGEN_81			EMGW_SYSGEN_81		
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															
DIBROMOCHLOROMETHANE				2.5 UG/L		UNV				5 UG/L		UNV			
ETHYLBENZENE				2.5 UG/L		UNV				5 UG/L		UNV			
METHYLENE CHLORIDE				2.5 UG/L		UNV				5 UG/L		UNV			
STYRENE				2.5 UG/L		UNV				5 UG/L		UNV			
TETRACHLOROETHENE				183 UG/L		NV				189 UG/L		NV			
TOLUENE				2.5 UG/L		UNV				5 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				2.5 UG/L		UNV				5 UG/L		UNV			
TRICHLOROETHENE				317 UG/L		NV				272 UG/L		NV			
VINYL ACETATE				5 UG/L		UNV				10 UG/L		UNV			
VINYL CHLORIDE				2.5 UG/L		UNV				5 UG/L		UNV			
XYLENES, TOTAL				2.5 UG/L		UNV				5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930426-1			GW930426-1			GW930426-1			GW930426-1			GW930426-1		
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:	1031			1031			1031			1031			1031		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-APR-93			26-APR-93			26-APR-93			26-APR-93			26-APR-93		
NORTH COORDINATE:	481167.08			481167.08			481167.08			481167.08			481167.08		
EAST COORDINATE:	1378136.61			1378136.61			1378136.61			1378136.61			1378136.61		
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													2130 MG/L		-
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0666 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													209 MG/L		-
CHROMIUM													.005 MG/L		U
COBALT													.028 MG/L		UJ
COPPER													.0072 MG/L		U
CYANIDE													.0295 MG/L		J
IRON													.0183 MG/L		U
LEAD													.001 MG/L		UJ
MAGNESIUM													14.1 MG/L		-
MANGANESE													.0173 MG/L		U
MERCURY													.0002 MG/L		U
NICKEL													.0793 MG/L		-
POTASSIUM													83.5 MG/L		-
SELENIUM													.006 MG/L		UJ
SILVER													.007 MG/L		U
SODIUM													175 MG/L		-
THALLIUM													.01 MG/L		U
VANADIUM													.003 MG/L		U
ZINC													.005 MG/L		U
RADIONUCLIDES															
URANIUM-238	1.8 PCI/L	.7	-	1.8 PCI/L	.3	J									

SAMPLE NUMBER:	GW930426-1			GW930426-1			GW930426-1			GW930426-1			GW930426-1		
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)
RADIONUCLIDES															
URANIUM, TOTAL	.1 UG/L	.1	U	8.9 UG/L	.6	J	6.7 UG/L		NV	7.2 UG/L		NV			
URANIUM-234	.7 PCI/L	.4	U	.9 PCI/L	.2	J									
THORIUM-230	.3 PCI/L	.1	UJ	.2 PCI/L	.1	UJ									
RADIUM-226	3 PCI/L	.4	J	3.7 PCI/L	.7	-									
URANIUM-235/236	.2 PCI/L	.8	U	.2 PCI/L	.2	UJ									
THORIUM-232	.3 PCI/L	.2	UJ	.4 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	.9	U	3 PCI/L	.9	U									
THORIUM-228	.3 PCI/L	.1	UJ	.3 PCI/L	.1	J									
TECHNETIUM-99	22.5 PCI/L	8.4	-	15 PCI/L	7.2	UJ									
GROSS ALPHA	13.5 PCI/L	8	UNV	16.5 PCI/L	9.1	UNV									
GROSS BETA	104 PCI/L	11.1	NV	136 PCI/L	9.3	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930426-1	GW930426-1	EMGW_SYSGEN_80	EMGW_SYSGEN_80	EMGW_SYSGEN_80
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	NET	NET	NET	NET	WMCO
WELL OR BORING NUMBER:	1031	1031	1031	1031	1031
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-APR-93	26-APR-93	30-JUL-91	30-JUL-91	30-JUL-91
NORTH COORDINATE:	481167.08	481167.08	481167.08	481167.08	481167.08
EAST COORDINATE:	1378136.61	1378136.61	1378136.61	1378136.61	1378136.61
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-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				160 MG/L		-				185 MG/L		NV			
AMMONIA				130 MG/L		-				135 MG/L		NV			
BICARBONATE ALKALINITY				98 MG/L		-									
CARBONATE ALKALINITY				66 MG/L		-									
CHLORIDE				823 MG/L		-				882 MG/L		NV			
FLUORIDE				2.64 MG/L		-				2.04 MG/L		NV			
NITRATE, AS NITROGEN										5.8 MG/L		NV			
NITRATE/NITRITE				27 MG/L		-									
PH				8.89 SU		-				9.24 SU		NV			
PHENOLS				.01 MG/L		U				.005 MG/L		UNV			
PHOSPHORUS				.18 MG/L		-				.18 MG/L		NV			
SPECIFIC CONDUCTIVITY				3220 UMHOS/CM		-				3470 UMHOS/CM		NV			
SULFATE				268 MG/L		-				294 MG/L		NV			
TOTAL DISSOLVED SOLIDS										1800 MG/L		NV			
TOTAL KJELDAHL NITROGEN				150 MG/L		-									
TOTAL ORGANIC CARBON				8 MG/L		J				9 MG/L		NV			
TOTAL ORGANIC HALIDES				.734 MG/L		J									
TOTAL ORGANIC HALOGENS										.888 MG/L		NV			
TOTAL ORGANIC NITROGEN				20 MG/L		-									
TOTAL SOLIDS				2250 MG/L		-									
INORGANICS															
ALUMINUM				.43 MG/L		-	.2 MG/L		UNV	.48 MG/L		NV			
ANTIMONY				.045 MG/L		U	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC				.0028 MG/L		J	.005 MG/L		UNV	.005 MG/L		UNV			
BARIUM				.0717 MG/L		-	.3 MG/L		NV	.37 MG/L		NV			
BERYLLIUM				.001 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM				.003 MG/L		U	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM				197 MG/L		-	81 MG/L		NV	108 MG/L		NV			
CHROMIUM				.221 MG/L		-				.002 MG/L		UNV			
COBALT				.009 MG/L		-	.005 MG/L		UNV	.0086 MG/L		NV			

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SAMPLE NUMBER:	GW930426-1			GW930426-1			EMGW_SYSGEN_80			EMGW_SYSGEN_80			EMGW_SYSGEN_80		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	DL-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				.0175 MG/L		U	.021 MG/L		NV	.032 MG/L		NV			
CYANIDE				.0273 MG/L		J				.005 MG/L		UNV			
IRON				1.92 MG/L		-	.1 MG/L		UNV	1.34 MG/L		NV			
LEAD				.0023 MG/L		J	.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM				14.1 MG/L		-	9.5 MG/L		NV	10 MG/L		NV			
MANGANESE				.0523 MG/L		-	.015 MG/L		UNV	.044 MG/L		NV			
MERCURY				.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.06 MG/L		NV	.01 MG/L		UNV			
NICKEL				.201 MG/L		-	.015 MG/L		NV	.058 MG/L		NV			
POTASSIUM				82 MG/L		-	113 MG/L		NV	112 MG/L		NV			
SELENIUM				.0074 MG/L		J	.005 MG/L		UNV	.005 MG/L		UNV			
SILVER				.007 MG/L		UJ	.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM				173 MG/L		-	201 MG/L		NV	224 MG/L		NV			
THALLIUM				.002 MG/L		UJ	.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM				.003 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC				.0071 MG/L		-	.259 MG/L		NV	1.55 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										6.9 UG/L		NV			
RADIONUCLIDES															
URANIUM, TOTAL													14 UG/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER										50 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		U				5 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U				5 UG/L		UNV			
1,1,2-TRICHLOROETHANE				10 UG/L		U				5 UG/L		UNV			
1,1-DICHLOROETHANE				20 UG/L		-				21.6 UG/L		NV			
1,1-DICHLOROETHENE				4 UG/L		J				5 UG/L		UNV			
1,2-DICHLOROETHANE				10 UG/L		U				5 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)				60 UG/L		-				42.8 UG/L		NV			
1,2-DICHLOROPROPANE				10 UG/L		U				5 UG/L		UNV			
2-BUTANONE				10 UG/L		U				10 UG/L		UNV			
2-HEXANONE				10 UG/L		U				10 UG/L		UNV			
4-METHYL-2-PENTANONE				18 UG/L		-				10 UG/L		UNV			
ACETONE				17 UG/L		UJ				10 UG/L		UNV			
BENZENE				4 UG/L		J				5 UG/L		UNV			
BROMODICHLOROMETHANE				10 UG/L		U				5 UG/L		UNV			
BROMOFORM				10 UG/L		U				5 UG/L		UNV			
BROMOMETHANE				10 UG/L		U				5 UG/L		UNV			

SAMPLE NUMBER:	GW930426-1			GW930426-1			EMGW_SYSGEN_80			EMGW_SYSGEN_80			EMGW_SYSGEN_80		
LAB:	NET			NET			NET			NET			WMCO		
SUFFIX/FILTERFLAG:	DL-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				10 UG/L		U				5 UG/L		UNV			
CARBON TETRACHLORIDE				10 UG/L		U				5 UG/L		UNV			
CHLOROBENZENE				10 UG/L		U				5 UG/L		UNV			
CHLOROETHANE				10 UG/L		U				5 UG/L		UNV			
CHLOROFORM				2 UG/L		J				5 UG/L		UNV			
CHLOROMETHANE				10 UG/L		UJ				5 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE				10 UG/L		U				5 UG/L		UNV			
DIBROMOCHLOROMETHANE				10 UG/L		U				5 UG/L		UNV			
ETHYLBENZENE				10 UG/L		U				5 UG/L		UNV			
METHYLENE CHLORIDE				4 UG/L		J				5 UG/L		UNV			
STYRENE				3 UG/L		J				5 UG/L		UNV			
TETRACHLOROETHENE				170 UG/L		-				203 UG/L		NV			
TOLUENE				10 UG/L		-				5 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				5 UG/L		UNV			
TRICHLOROETHENE	230 UG/L		-							326 UG/L		NV			
VINYL ACETATE										10 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		UJ				5 UG/L		UNV			
XYLENES, TOTAL				6 UG/L		J				5 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_87	066823	EMGW_SYSGEN_85	EMGW_SYSGEN_85	003355
TASK:	GWMON	9.27	GWMON	GWMON	3.2.4
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	1032	1032	1032	1032	1032
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-NOV-90	04-JAN-90	18-APR-90	18-APR-90	20-JUL-88
NORTH COORDINATE:	480515.31	480515.31	480515.31	480515.31	480515.31
EAST COORDINATE:	1378296.87	1378296.87	1378296.87	1378296.87	1378296.87
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															
CHLORIDE										295 MG/L		NV			
NITRATE, AS NITROGEN										25.2 MG/L		NV			
SULFATE										268 MG/L		NV			
TOTAL ORGANIC CARBON										2 MG/L		NV			
TOTAL ORGANIC HALOGENS										.041 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	77.3 PCI/L		NV	76.7 PCI/L	12	-	73.1 PCI/L		NV				70.5 PCI/L	9.9	R
URANIUM, TOTAL	237 UG/L		NV	337 UG/L	46	J	261 UG/L		NV				196 UG/L	41	-
URANIUM-234	71.6 PCI/L		NV	67.6 PCI/L	11	R	65.6 PCI/L		NV				61.3 PCI/L	8.7	R
THORIUM-230	.28 PCI/L		UNV	1 PCI/L		U	.49 PCI/L		UNV				1 PCI/L		U
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UNV				1 PCI/L		U
URANIUM-235/236	4.58 PCI/L		NV	4.29 PCI/L	1.3	-	3.8 PCI/L		NV				3.9 PCI/L	.8	-
THORIUM-232	.28 PCI/L		UNV				.49 PCI/L		UNV				1 PCI/L		U
THORIUM, TOTAL	2.5 UG/L		UNV				4.4 UG/L		UNV				5 UG/L		U
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV				3 PCI/L		U
THORIUM-228	.288 PCI/L		NV	1 PCI/L		U	.49 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	1 PCI/L		UNV										6 PCI/L	1.3	-
TECHNETIUM-99	17 PCI/L		UNV	30 PCI/L		U							30 PCI/L		U
RUTHENIUM-106	150 PCI/L		UNV										150 PCI/L		R
CESIUM-137	20 PCI/L		UNV										20 PCI/L		R
GROSS ALPHA	104 PCI/L		NV				131 PCI/L	.032	NV						
GROSS BETA	99.4 PCI/L		NV				74.6 PCI/L	.0226	NV						

SEMIVOLATILES

1,3-DICHLOROBENZENE 1 UG/L UNV

09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_87			066823			EMGW_SYSGEN_85			EMGW_SYSGEN_85			003355		
LAB:	IT			IT			IT			NET			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															
1,4-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 1 WELLS

SAMPLE NUMBER:	003851	003851	003851	003851	003635
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:	1032	1032	1032	1032	1032
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JAN-89	22-JAN-89	22-JAN-89	22-JAN-89	23-OCT-88
NORTH COORDINATE:	480515.31	480515.31	480515.31	480515.31	480515.31
EAST COORDINATE:	1378296.87	1378296.87	1378296.87	1378296.87	1378296.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	NONE-FIL	NONE-UNF	U-UNF	NONE-UNF

	RESULT	SIGMA	VAL 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							310 MG/L		-						
FLUORIDE							.2 MG/L		-						
NITRATE							8.3 MG/L		J						
PHENOLS							.01 MG/L		U						
PHOSPHORUS							.6 MG/L		-						
SULFATE							280 MG/L		-						
TOTAL KJELDAHL NITROGEN							.2 MG/L		-						
TOTAL ORGANIC HALIDES							.024 MG/L		-						
TOTAL ORGANIC NITROGEN							.2 MG/L		-						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.076 MG/L		-									
CADMIUM				.008 MG/L		-									
CALCIUM				215 MG/L		-									
CHROMIUM				.038 MG/L		-									
COPPER				.019 MG/L		-									
IRON				.085 MG/L		-									
LEAD				.002 MG/L		UJ									
MAGNESIUM				51.6 MG/L		-									
MANGANESE				.013 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.024 MG/L		-									
POTASSIUM				1.43 MG/L		-									
SELENIUM				.016 MG/L		-									
SILVER				.0005 MG/L		U									
SODIUM				189 MG/L		-									

RADIONUCLIDES														
URANIUM-238	87.9 PCI/L	11.1	-							88.8 PCI/L	11.1	-	92.4 PCI/L	12	J
09/30/94															
SAMPLE NUMBER:	003851			003851			003851			003851			003635		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			NONE-FIL			NONE-UNF			U-UNF			NONE-UNF		
	RESULT	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	286 UG/L	47	-							276 UG/L	47	-	230 UG/L	44	-
URANIUM-234	73.4 PCI/L	9.3	-							76.1 PCI/L	9.6	-	82.4 PCI/L	11	J
THORIUM-230	1 PCI/L		U							1 PCI/L		U	1 PCI/L		UJ
RADIUM-226	1 PCI/L		U							1 PCI/L		U	1 PCI/L		U
URANIUM-235/236	3.4 PCI/L	.7	-							3.2 PCI/L	.7	-	3.3 PCI/L	.8	J
THORIUM-232	1 PCI/L		U							1 PCI/L		U	1 PCI/L		UJ
THORIUM, TOTAL	4 UG/L		U							4 UG/L		U	5 UG/L		UJ
RADIUM-228	3 PCI/L		UJ							3.1 PCI/L		UJ	4.8 PCI/L	1.8	-
THORIUM-228	1 PCI/L		U							1 PCI/L		U	1 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		U							1 PCI/L		U	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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_86	EMGW_SYSGEN_86	120282	120283	003133
TASK:	GWMON	GWMON	50.03.23	50.03.23	3.2.4
LAB:	IT	NET	DATACHEM	CORE	IT
WELL OR BORING NUMBER:	1032	1032	1032	1032	1032
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-OCT-90	24-OCT-90	25-JUL-93	25-JUL-93	27-APR-88
NORTH COORDINATE:	480515.31	480515.31	480515.31	480515.31	480515.31
EAST COORDINATE:	1378296.87	1378296.87	1378296.87	1378296.87	1378296.87
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				440 MG/L		NV									
AMMONIA				.02 MG/L		UNV									
CHLORIDE				64 MG/L		NV									
FLUORIDE				.26 MG/L		NV									
NITRATE/NITRITE				22.4 MG/L		NV									
PH				6.89 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.02 MG/L		UNV									
SPECIFIC CONDUCTIVITY				1990 UMHOS/CM		NV									
SULFATE				176 MG/L		NV									
TOTAL DISSOLVED SOLIDS				1410 MG/L		NV									
TOTAL ORGANIC CARBON				5 MG/L		NV									
TOTAL ORGANIC HALOGENS				.526 MG/L		NV									
INORGANICS															
ALUMINUM							.0935 MG/L		U						
ANTIMONY							.045 MG/L		UR						
ARSENIC							.001 MG/L		U				.2 MG/L		U
BARIUM							.0538 MG/L		-				.083 MG/L		-
BERYLLIUM							.001 MG/L		U						
CADMIUM							.003 MG/L		U				.005 MG/L		U
CALCIUM							211 MG/L		J				233 MG/L		-
CHROMIUM							.491 MG/L		J				.02 MG/L		U
COBALT							.006 MG/L		U						
COPPER							.0111 MG/L		-				.01 MG/L		U
CYANIDE				.054 MG/L		NV									
IRON							1.39 MG/L		J				.05 MG/L		U
LEAD							.001 MG/L		UJ				.05 MG/L		U
MAGNESIUM							47.4 MG/L		-				68.2 MG/L		-
MANGANESE							.0141 MG/L		-				.013 MG/L		-
MERCURY							.0002 MG/L		U				.0002 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_86			EMGW_SYSGEN_86			120282			120283			003133		
LAB:	IT			NET			DATACHEM			CORE			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													.02 MG/L		U
NICKEL							.0429 MG/L		-				.02 MG/L		U
POTASSIUM							2.27 MG/L		-				1.3 MG/L		-
SELENIUM							.0032 MG/L		J				.2 MG/L		U
SILVER							.0034 MG/L		-				.03 MG/L		U
SODIUM							68.3 MG/L		-				282 MG/L		-
THALLIUM							.001 MG/L		U						
VANADIUM							.0052 MG/L		-						
ZINC							.0177 MG/L		-						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	69.8 PCI/L		NV							78.8 PCI/L	7.9	J			
URANIUM, TOTAL	209 UG/L		NV							206 UG/L	14.4	-			
URANIUM-234	62.7 PCI/L		NV							63.7 PCI/L	6.5	J			
THORIUM-230	.271 PCI/L		NV							.3 PCI/L	.3	R			
RADIUM-226	1 PCI/L		UNV							1 PCI/L	.3	U			
URANIUM-235/236	3.49 PCI/L		NV							3.5 PCI/L	.8	J			
THORIUM-232	.26 PCI/L		UNV							.2 PCI/L	.1	R			
THORIUM, TOTAL	2.3 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV							3 PCI/L	1.2	U			
THORIUM-228	1.14 PCI/L		NV							.2 PCI/L	.2	R			
TECHNETIUM-99										15 PCI/L	7.6	U			
GROSS ALPHA	147 PCI/L		NV												
GROSS BETA	68.3 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				2 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE															

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000931

SAMPLE NUMBER:	EMGW_SYSGEN_86			EMGW_SYSGEN_86			120282			120283			003133		
LAB:	IT			NET			DATACHEM			CORE			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				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 1 WELLS

SAMPLE NUMBER:	003133			066824			003961			003961			120527		
TASK:	3.2.4			9.27			3.2.4			3.2.4			50.03.23		
LAB:	IT			IT			IT			IT			TCT		
WELL OR BORING NUMBER:	1032			1033			1033			1033			1033		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-APR-88			05-JAN-90			10-MAR-89			10-MAR-89			12-JUL-93		
NORTH COORDINATE:	480515.31			480412.89			480412.89			480412.89			480412.89		
EAST COORDINATE:	1378296.87			1378675.2			1378675.2			1378675.2			1378675.2		
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													338 MG/L		-
AMMONIA	.1 MG/L		UJ							.2 MG/L		UJ	.03 MG/L		U
CHLORIDE	616 MG/L		-							9.2 MG/L		J	13.7 MG/L		-
FLUORIDE	.28 MG/L		-							.4 MG/L		J	.3 MG/L		-
NITRATE	.14 MG/L		-							.64 MG/L		J	.143 MG/L		-
PHENOLS	.02 MG/L		-							.005 MG/L		UJ	.005 MG/L		U
PHOSPHATE													.16 MG/L		J
PHOSPHORUS	.145 MG/L		-							.06 MG/L		J			
SULFATE	375 MG/L		-							97 MG/L		J	206 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN										.3 MG/L		UJ	.271 MG/L		-
TOTAL ORGANIC CARBON													2.6 MG/L		-
TOTAL ORGANIC HALIDES										.05 MG/L		UJ	.0063 MG/L		UJ
TOTAL ORGANIC NITROGEN	.1 MG/L		J							.1 MG/L		J	.271 MG/L		-
INORGANICS															
ALUMINUM													1.5 MG/L		-
ANTIMONY													.014 MG/L		U
ARSENIC							.003 MG/L		UJ				.0064 MG/L		J
BARIUM							.057 MG/L		J				.118 MG/L		-
BERYLLIUM													.005 MG/L		U
CADMIUM							.005 MG/L		UJ				.005 MG/L		U
CALCIUM							100 MG/L		J				135 MG/L		-
CHROMIUM							.03 MG/L		J				.006 MG/L		U
COBALT													.017 MG/L		U
COPPER							.01 MG/L		J				.0099 MG/L		-
CYANIDE													.005 MG/L		U
IRON							.94 MG/L		J				1.65 MG/L		-
LEAD							.002 MG/L		J				.0086 MG/L		-
MAGNESIUM							37 MG/L		J				43.2 MG/L		-
MANGANESE							.026 MG/L		J				.354 MG/L		-

SAMPLE NUMBER:	003133			066824			003961			003961			120527		
LAB:	IT			IT			IT			IT			TCT		
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															
MERCURY							.0002 MG/L		UJ				.0001 MG/L		U
MOLYBDENUM							.01 MG/L		J				.017 MG/L		UJ
NICKEL							.03 MG/L		UJ				.018 MG/L		U
POTASSIUM							.75 MG/L		J				1.99 MG/L		-
SELENIUM							.002 MG/L		UJ				.0037 MG/L		J
SILICON													8.03 MG/L		J
SILVER							.01 MG/L		UJ				.002 MG/L		U
SODIUM							24 MG/L		J				20 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.024 MG/L		U
ZINC													.0091 MG/L		U
RADIONUCLIDES															
URANIUM-238	96.8 PCI/L	15.7	J	6.13 PCI/L	1.13	-				8.2 PCI/L	1.2	-			
URANIUM, TOTAL	256 UG/L	41	-	24.3 UG/L	4.4	J				23 UG/L	4	-			
URANIUM-234	84.9 PCI/L	13.9	J	5.64 PCI/L	1.07	R				7.1 PCI/L	1.1	-			
THORIUM-230	1.6 PCI/L	.6	J	1 PCI/L		U				1 PCI/L		U			
RADIUM-226	1 PCI/L		UJ							1 PCI/L		U			
URANIUM-235/236	4.6 PCI/L	1.4	J	1 PCI/L		U				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		UJ							3 PCI/L		UJ			
THORIUM-228	1 PCI/L		UJ	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		UJ	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
1,1,2,2-TETRACHLOROETHANE													5 UG/L		J
1,1,2-TRICHLOROETHANE													2 UG/L		J
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													6 UG/L		J
4-METHYL-2-PENTANONE													7 UG/L		J
ACETONE													13 UG/L		UJ
BENZENE													10 UG/L		U

SAMPLE NUMBER:	003133			066824			003961			003961			120527		
LAB:	IT			IT			IT			IT			TCT		
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													2 UG/L		J
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		UJ
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120527F	120529	120529F	120531	003773
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.2.4
LAB:	TCT	CORE	CORE	FERMCO	IT
WELL OR BORING NUMBER:	1033	1033	1033	1033	1033
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-JUL-93	12-JUL-93	12-JUL-93	12-JUL-93	20-NOV-88
NORTH COORDINATE:	480412.89	480412.89	480412.89	480412.89	480412.89
EAST COORDINATE:	1378675.2	1378675.2	1378675.2	1378675.2	1378675.2
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	.0592 MG/L		U												
ANTIMONY	.014 MG/L		U												
ARSENIC	.0027 MG/L		J										.002 MG/L		UJ
BARIUM	.097 MG/L		-										.066 MG/L		-
BERYLLIUM	.005 MG/L		U												
CADMIUM	.005 MG/L		U										.002 MG/L		U
CALCIUM	128 MG/L		-										89.3 MG/L		-
CHROMIUM	.006 MG/L		U										.02 MG/L		U
COBALT	.017 MG/L		U												
COPPER	.009 MG/L		U										.01 MG/L		U
CYANIDE	.005 MG/L		U												
IRON	.022 MG/L		U										.113 MG/L		-
LEAD	.001 MG/L		U										.002 MG/L		UJ
MAGNESIUM	44.2 MG/L		-										35.3 MG/L		-
MANGANESE	.0119 MG/L		-										.028 MG/L		-
MERCURY	.0001 MG/L		U										.0002 MG/L		U
MOLYBDENUM	.017 MG/L		UJ										.02 MG/L		U
NICKEL	.018 MG/L		U										.02 MG/L		U
POTASSIUM	.99 MG/L		-										7.63 MG/L		-
SELENIUM	.0043 MG/L		-										.002 MG/L		UJ
SILICON	6.84 MG/L		J												
SILVER	.002 MG/L		U										.0005 MG/L		U
SODIUM	18 MG/L		-										14.6 MG/L		-
THALLIUM	.001 MG/L		UJ												
VANADIUM	.024 MG/L		U												
ZINC	.0117 MG/L		U												
RADIONUCLIDES															
URANIUM-238				8.2 PCI/L	1.5	R	8.1 PCI/L	1.8	R						
URANIUM, TOTAL				27.4 UG/L	1.9	-	27.5 UG/L	1.9	-	28 UG/L		NV			
URANIUM-234				6.9 PCI/L	1.4	R	5.6 PCI/L	.8	R						

SAMPLE NUMBER:	120527F			120529			120529F			120531			003773		
LAB:	TCT			CORE			CORE			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)
RADIONUCLIDES															
THORIUM-230				.2 PCI/L	.2	U	.6 PCI/L	.3	-						
RADIUM-226				1 PCI/L	.5	U	1 PCI/L	.4	UJ						
URANIUM-235/236				.3 PCI/L	.9	R	.4 PCI/L	.4	R						
THORIUM-232				.2 PCI/L	.1	U	.2 PCI/L	.2	U						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1.3	U						
THORIUM-228				.2 PCI/L	.3	U	.2 PCI/L	.3	U						
TECHNETIUM-99				20.1 PCI/L	9.1	-	15 PCI/L	8.8	U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003773	003220	003220	EMGW_SYSGEN_88	EMGW_SYSGEN_88
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	1033	1033	1033	1033	1033
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-NOV-88	22-MAY-88	22-MAY-88	23-APR-90	23-APR-90
NORTH COORDINATE:	480412.89	480412.89	480412.89	480412.89	480412.89
EAST COORDINATE:	1378675.2	1378675.2	1378675.2	1378675.2	1378675.2
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				.5 MG/L		U						
CHLORIDE	1.25 MG/L		-				11 MG/L		-				6 MG/L		NV
FLUORIDE	.48 MG/L		-				.63 MG/L		J						
NITRATE	.148 MG/L		-				.1 MG/L		-				.24 MG/L		NV
NITRATE, AS NITROGEN													.24 MG/L		NV
PHENOLS	.01 MG/L		U				.02 MG/L		J						
PHOSPHORUS	.09 MG/L		-				.28 MG/L		-						
SULFATE	116 MG/L		-				109 MG/L		-				113 MG/L		NV
TOTAL KJELDAHL NITROGEN	.49 MG/L		J				.5 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	.49 MG/L		J				.5 MG/L		U						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.075 MG/L		-									
CADMIUM				.002 MG/L		U									
CALCIUM				110 MG/L		-									
CHROMIUM				.02 MG/L		U									
COPPER				.012 MG/L		-									
IRON				.018 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				43.8 MG/L		-									
MANGANESE				.051 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.033 MG/L		-									
NICKEL				.02 MG/L		U									
POTASSIUM				.527 MG/L		-									
SELENIUM				.002 MG/L		U									
SILVER				.01 MG/L		U									

SAMPLE NUMBER:	003773			003220			003220			EMGW_SYSGEN_88			EMGW_SYSGEN_88		
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															
SODIUM				11.5 MG/L		-									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	5 PCI/L	.8	-				3.5 PCI/L	.6	J	7.54 PCI/L		NV			
URANIUM, TOTAL	15 UG/L	3	-				11 UG/L	1	R	21.5 UG/L		NV			
URANIUM-234	4.9 PCI/L	.8	-				3.7 PCI/L	.6	J	6.08 PCI/L		NV			
THORIUM-230	1 PCI/L		U				1.4 PCI/L	.4	J	.872 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	.61 PCI/L		NV			
THORIUM-232	1 PCI/L		U				1 PCI/L		UJ	.33 PCI/L		UNV			
THORIUM, TOTAL	2 UG/L		U							2.9 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	.654 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		U				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	3 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	11 PCI/L		R				20 PCI/L		R						
GROSS ALPHA										54.4 PCI/L	.0182	NV			
GROSS BETA										45.4 PCI/L	.0191	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
1,1,2,2-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

SAMPLE NUMBER:	003773			003220			003220			EMGW_SYSGEN_88			EMGW_SYSGEN_88		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_88D			EMGW_SYSGEN_88D			003567			003567			120532		
TASK:	GWMON			GWMON			3.2.4			3.2.4			50.03.23		
LAB:	IT			NET			IT			IT			TCT		
WELL OR BORING NUMBER:	1033			1033			1033			1033			1034		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-APR-90			23-APR-90			24-AUG-88			24-AUG-88			12-JUL-93		
NORTH COORDINATE:	480412.89			480412.89			480412.89			480412.89			480240.85		
EAST COORDINATE:	1378675.2			1378675.2			1378675.2			1378675.2			1378410.34		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	EMGW_SYSGEN_88			EMGW_SYSGEN_88											
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													474 MG/L		-
AMMONIA										.1 MG/L		UJ	.03 MG/L		U
CHLORIDE				6 MG/L		NV				29.5 MG/L		-	4.14 MG/L		-
FLUORIDE										.66 MG/L		J	.31 MG/L		-
NITRATE				.24 MG/L		NV				.1 MG/L		UJ	.072 MG/L		-
NITRATE, AS NITROGEN				.24 MG/L		NV									
PHENOLS										.02 MG/L		J	.005 MG/L		U
PHOSPHATE													.159 MG/L		J
PHOSPHORUS										.31 MG/L		-			
SULFATE				86 MG/L		NV				75 MG/L		J	169 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN													.166 MG/L		-
TOTAL ORGANIC CARBON				2 MG/L		NV							1.6 MG/L		-
TOTAL ORGANIC HALIDES										.05 MG/L		UJ	.01 MG/L		UJ
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
TOTAL ORGANIC NITROGEN										.4 MG/L		J	.166 MG/L		-
INORGANICS															
ALUMINUM													4.94 MG/L		-
ANTIMONY													.014 MG/L		U
ARSENIC							.002 MG/L		U				.0051 MG/L		J
BARIUM							.093 MG/L		-				.0857 MG/L		-
BERYLLIUM													.005 MG/L		U
CADMIUM							.002 MG/L		U				.005 MG/L		-
CALCIUM							120 MG/L		-				157 MG/L		-
CHROMIUM							.02 MG/L		U				.01 MG/L		-
COBALT													.017 MG/L		U
COPPER							.01 MG/L		U				.009 MG/L		U
CYANIDE													.005 MG/L		U
IRON							.007 MG/L		-				6.51 MG/L		-
LEAD							.002 MG/L		J				.0146 MG/L		-

SAMPLE NUMBER:	EMGW_SYSGEN_88D			EMGW_SYSGEN_88D			003567			003567			120532		
LAB:	IT			NET			IT			IT			TCT		
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															
MAGNESIUM							58.8 MG/L		-				63.9 MG/L		-
MANGANESE							.21 MG/L		-				.279 MG/L		-
MERCURY							.0002 MG/L		U				.0001 MG/L		U
MOLYBDENUM							.02 MG/L		U				.017 MG/L		UJ
NICKEL							.021 MG/L		-				.018 MG/L		U
POTASSIUM							1.9 MG/L		-				2.99 MG/L		J
SELENIUM							.002 MG/L		UJ				.002 MG/L		U
SILICON													19.1 MG/L		J
SILVER							.01 MG/L		U				.002 MG/L		U
SODIUM							11.4 MG/L		-				38.5 MG/L		-
THALLIUM													.0012 MG/L		UJ
VANADIUM													.024 MG/L		U
ZINC													.0188 MG/L		U
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	7.14 PCI/L		NV							3 PCI/L	.6	-			
URANIUM, TOTAL	23.5 UG/L		NV							9 UG/L	1	-			
URANIUM-234	5.95 PCI/L		NV							3.3 PCI/L	.6	-			
THORIUM-230	1.26 PCI/L		NV							1 PCI/L		U			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UJ			
URANIUM-235/236	.321 PCI/L		NV							1 PCI/L		U			
THORIUM-232	.348 PCI/L		NV							1 PCI/L		U			
THORIUM, TOTAL	3.14 UG/L		NV							3 UG/L	2	-			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		U			
THORIUM-228	.368 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	.0582 PCI/L	.0182	NV												
GROSS BETA	.0358 PCI/L	.0191	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 10 UG/L U

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_88D	EMGW_SYSGEN_88D	003567	003567	120532
LAB:	IT	NET	IT	IT	TCT
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							2 UG/L		J
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		U
2-HEXANONE													10 UG/L		U
4-METHYL-2-PENTANONE													10 UG/L		UJ
ACETONE													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				1 UG/L		UNV							10 UG/L		U
CARBON DISULFIDE													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				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													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									
TRICHLOROFLUOROMETHANE				1 UG/L		UNV							10 UG/L		UJ
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE				1 UG/L		UNV							10 UG/L		U
XYLENES, TOTAL															

000942

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120532F	120533	120533F	120536	120536F
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:	1034	1034	1034	1034	1034
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-JUL-93	12-JUL-93	12-JUL-93	12-JUL-93	12-JUL-93
NORTH COORDINATE:	480240.85	480240.85	480240.85	480240.85	480240.85
EAST COORDINATE:	1378410.34	1378410.34	1378410.34	1378410.34	1378410.34
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	.0975 MG/L		U												
ANTIMONY	.014 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.0411 MG/L		-												
BERYLLIUM	.005 MG/L		U												
CADMIUM	.005 MG/L		U												
CALCIUM	132 MG/L		-												
CHROMIUM	.006 MG/L		U												
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	56.7 MG/L		-												
MANGANESE	.004 MG/L		U												
MERCURY	.0001 MG/L		U												
MOLYBDENUM	.017 MG/L		UJ												
NICKEL	.018 MG/L		U												
POTASSIUM	1.21 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	8.73 MG/L		J												
SILVER	.002 MG/L		U												
SODIUM	38.2 MG/L		-												
THALLIUM	.001 MG/L		UJ												
VANADIUM	.024 MG/L		U												
ZINC	.006 MG/L		U												
RADIONUCLIDES															
URANIUM-238				1.4 PCI/L	.5	-	1 PCI/L	.4	J						
URANIUM, TOTAL				2.9 UG/L	.2	-	2.9 UG/L	.2	-	3.4 UG/L		NV	2.7 UG/L		NV
URANIUM-234				2 PCI/L	3.	-	1.3 PCI/L	.4	J						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120532F			120533			120533F			120536			120536F		
LAB:	TCT			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															
THORIUM-230				.4 PCI/L	.3	J	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	4.2	UJ	1 PCI/L	.2	UJ						
URANIUM-235/236				.2 PCI/L	.2	U	.2 PCI/L	.1	UJ						
THORIUM-232				.2 PCI/L	.3	U	.2 PCI/L	.1	UJ						
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	.8	UJ						
THORIUM-228				.2 PCI/L	.2	U	.2 PCI/L	.2	UJ						
TECHNETIUM-99				15 PCI/L	7.6	U	15 PCI/L	7.8	UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066825	EMGW_SYSGEN_89	EMGW_SYSGEN_89	EMGW_SYSGEN_90	003356
TASK:	9.27	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	1034	1034	1034	1034	1034
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-DEC-89	16-APR-90	16-APR-90	18-OCT-90	20-JUL-88
NORTH COORDINATE:	480240.85	480240.85	480240.85	480240.85	480240.85
EAST COORDINATE:	1378410.34	1378410.34	1378410.34	1378410.34	1378410.34
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										337 MG/L		NV			
AMMONIA										.12 MG/L		NV			
CHLORIDE							8 MG/L		NV	9 MG/L		NV			
FLUORIDE										.41 MG/L		NV			
NITRATE, AS NITROGEN							.39 MG/L		NV						
NITRATE/NITRITE										.3 MG/L		NV			
PH										7.25 SU		NV			
PHENOLS										.011 MG/L		NV			
PHOSPHORUS										1.72 MG/L		NV			
SPECIFIC CONDUCTIVITY										978 UMHOS/CM		NV			
SULFATE							191 MG/L		NV	160 MG/L		NV			
TOTAL DISSOLVED SOLIDS										702 MG/L		NV			
TOTAL ORGANIC CARBON							2 MG/L		NV	3 MG/L		NV			
TOTAL ORGANIC HALOGENS							.015 MG/L		NV	.01 MG/L		UNV			
INORGANICS															
CYANIDE										.005 MG/L		UNV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV	1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	4.6 PCI/L	1.12	-	2.2 PCI/L		NV							1.8 PCI/L	.4	R
URANIUM, TOTAL	10.7 UG/L	2.5	-	6.59 UG/L		NV							10 UG/L	2	-
URANIUM-234	5.51 PCI/L	1.26	-	2.45 PCI/L		NV							2.6 PCI/L	.5	R
THORIUM-230	1 PCI/L		U	3.61 PCI/L		NV							2.4 PCI/L	.6	-
RADIUM-226				1.44 PCI/L		NV							1 PCI/L		U
URANIUM-235/236	1 PCI/L		U	.28 PCI/L		UNV							1 PCI/L		U
THORIUM-232				1.81 PCI/L		NV							1 PCI/L		U

SAMPLE NUMBER:	066825			EMGW_SYSGEN_89			EMGW_SYSGEN_89			EMGW_SYSGEN_90			003356		
LAB:	IT			IT			NET			NET			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, TOTAL				16.3 UG/L		NV							4 UG/L		U
RADIUM-228				3 PCI/L		UNV							3 PCI/L		U
THORIUM-228	1 PCI/L		U	.81 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										30 PCI/L		U
RUTHENIUM-106													150 PCI/L		U
CESIUM-137													20 PCI/L		U
SEMIVOLATILES															
1,3-DICHLOROBENZENE							1 UG/L		UNV						
1,4-DICHLOROBENZENE							1 UG/L		UNV						
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			
1,2-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			

SAMPLE NUMBER:	066825			EMGW_SYSGEN_89			EMGW_SYSGEN_89			EMGW_SYSGEN_90			003356		
LAB:	IT			IT			NET			NET			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															
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 1 WELLS

SAMPLE NUMBER:	003850	003850	003636	003122	003122
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:	1034	1034	1034	1034	1034
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JAN-89	22-JAN-89	23-OCT-88	25-APR-88	25-APR-88
NORTH COORDINATE:	480240.85	480240.85	480240.85	480240.85	480240.85
EAST COORDINATE:	1378410.34	1378410.34	1378410.34	1378410.34	1378410.34
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				6.8 MG/L		-							4.6 MG/L		-
FLUORIDE				.4 MG/L		-							.4 MG/L		-
NITRATE				.55 MG/L		J							1.4 MG/L		-
PHENOLS				.01 MG/L		U							.01 MG/L		-
PHOSPHORUS				.1 MG/L		-							.355 MG/L		-
SULFATE				210 MG/L		-							197 MG/L		-
TOTAL KJELDAHL NITROGEN				.1 MG/L		-									
TOTAL ORGANIC HALIDES				.016 MG/L		-									
TOTAL ORGANIC NITROGEN				.1 MG/L		-							.1 MG/L		U
INORGANICS															
ARSENIC	.002 MG/L		U							.2 MG/L		U			
BARIUM	.044 MG/L		-							.038 MG/L		-			
CADMIUM	.01 MG/L		-							.005 MG/L		U			
CALCIUM	128 MG/L		-							118 MG/L		-			
CHROMIUM	.028 MG/L		-							.02 MG/L		U			
COPPER	.015 MG/L		-							.01 MG/L		U			
IRON	.073 MG/L		-							.005 MG/L		U			
LEAD	.002 MG/L		UJ							.05 MG/L		U			
MAGNESIUM	57.3 MG/L		-							53.1 MG/L		-			
MANGANESE	.009 MG/L		-							.111 MG/L		-			
MERCURY	.0002 MG/L		U							.0004 MG/L		-			
MOLYBDENUM	.02 MG/L		U							.02 MG/L		U			
NICKEL	.026 MG/L		-							.02 MG/L		U			
POTASSIUM	.1 MG/L		U							1.56 MG/L		-			
SELENIUM	.004 MG/L		U							.2 MG/L		U			
SILVER	.0005 MG/L		U							.01 MG/L		U			
SODIUM	45.5 MG/L		-							34.9 MG/L		-			

000549

RADIONUCLIDES															
URANIUM-238				1.1 PCI/L	.3	-	3.4 PCI/L	.6	J				1.1 PCI/L	.5	J
09/30/94															

SAMPLE NUMBER:	003850			003850			003636			003122			003122		
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				3 UG/L	1	-	7 UG/L	1	-				4 UG/L	1	R
URANIUM-234				1.2 PCI/L	.3	-	2.9 PCI/L	.4	J				1.3 PCI/L	.5	J
THORIUM-230				1 PCI/L		U	1 PCI/L		UJ				1 PCI/L		UJ
RADIUM-226				1 PCI/L		U	1 PCI/L		U				1 PCI/L		UJ
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	2 UG/L		UJ						
RADIUM-228				3.2 PCI/L		UJ	3 PCI/L		U				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		UJ	1 PCI/L		UJ				1 PCI/L		R
PLUTONIUM-238				1 PCI/L		UJ	1 PCI/L		UJ				1 PCI/L		R
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_94			EMGW_SYSGEN_94			EMGW_SYSGEN_91			003931			003931		
TASK:	GWMON			GWMON			GWMON			3.2.4			3.2.4		
LAB:	IT			NET			IT			IT			IT		
WELL OR BORING NUMBER:	1035			1035			1035			1035			1035		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-JAN-91			02-JAN-91			02-MAR-90			05-FEB-89			05-FEB-89		
NORTH COORDINATE:	482200.6			482200.6			482200.6			482200.6			482200.6		
EAST COORDINATE:	1379710.46			1379710.46			1379710.46			1379710.46			1379710.46		
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				291 MG/L		NV									
AMMONIA				.41 MG/L		NV							.1 MG/L		U
CHLORIDE				7 MG/L		NV							2 MG/L		U
FLUORIDE				.53 MG/L		NV							.36 MG/L		J
NITRATE				.02 MG/L		UNV							.58 MG/L		J
NITRATE/NITRITE				.02 MG/L		UNV									
PH				7.16 SU		NV							.01 MG/L		UJ
PHENOLS				.005 MG/L		UNV							.01 MG/L		UJ
PHOSPHORUS				.6 MG/L		NV							.07 MG/L		J
SPECIFIC CONDUCTIVITY				657 UMHOS/CM		NV									
SULFATE				97 MG/L		NV							52.4 MG/L		-
TOTAL DISSOLVED SOLIDS				500 MG/L		NV									
TOTAL KJELDAHL NITROGEN													.16 MG/L		J
TOTAL ORGANIC CARBON				5 MG/L		NV									
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC HALOGENS				.042 MG/L		NV									
TOTAL ORGANIC NITROGEN													.16 MG/L		J
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.097 MG/L		-			
CADMIUM										.007 MG/L		-			
CALCIUM										92 MG/L		-			
CHROMIUM										.023 MG/L		-			
COPPER										.011 MG/L		-			
CYANIDE				.005 MG/L		UNV									
IRON										.048 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										35.5 MG/L		-			
MANGANESE										.036 MG/L		-			
MERCURY										.0002 MG/L		U			

0950

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SAMPLE NUMBER:	EMGW_SYSGEN_94			EMGW_SYSGEN_94			EMGW_SYSGEN_91			003931			003931		
LAB:	IT			NET			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															
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										1.26 MG/L		J			
SELENIUM										.002 MG/L		UJ			
SILVER										.0005 MG/L		U			
SODIUM										8.51 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	1.84 PCI/L		NV				3 PCI/L	.7	NV				1 PCI/L		U
URANIUM, TOTAL	4.04 UG/L		NV				8.8 UG/L	2.2	NV				3 UG/L	1	-
URANIUM-234	2.37 PCI/L		NV				4 PCI/L	.8	NV				1 PCI/L		U
THORIUM-230	.8 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	.8 PCI/L		UNV										1 PCI/L		U
THORIUM, TOTAL	7.2 UG/L		UNV										3 UG/L		U
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UJ
THORIUM-228	1.49 PCI/L		NV										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		UJ
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
GROSS ALPHA	25.8 PCI/L		NV												
GROSS BETA	33 PCI/L		NV												
URANIUM-235	.2 PCI/L		UNV				1 PCI/L		UNV				1 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:	EMGW_SYSGEN_94			EMGW_SYSGEN_94			EMGW_SYSGEN_91			003931			003931		
LAB:	IT			NET			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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_92			EMGW_SYSGEN_92			111552			111552			111552		
TASK:	GWMON			GWMON			20.03.05			20.03.05			20.03.05		
LAB:	IT			NET			IT			IT/MWL			IT/RSL		
WELL OR BORING NUMBER:	1035			1035			1035			1035			1035		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-JUN-90			05-JUN-90			05-MAY-93			05-MAY-93			05-MAY-93		
NORTH COORDINATE:	482200.6			482200.6			482200.6			482200.6			482200.6		
EAST COORDINATE:	1379710.46			1379710.46			1379710.46			1379710.46			1379710.46		
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															
CHLORIDE				7 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
SULFATE				77 MG/L		NV									
TOTAL ORGANIC CARBON				51 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM							.224 MG/L		-						
ANTIMONY							.0028 MG/L		UJ						
ARSENIC							.001 MG/L		U						
BARIUM							.0911 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.002 MG/L		U						
CALCIUM							91.6 MG/L		-						
CHROMIUM							.004 MG/L		U						
COBALT							.003 MG/L		U						
COPPER							.0022 MG/L		U						
CYANIDE							.001 MG/L		U						
IRON							.524 MG/L		-						
LEAD							.001 MG/L		-						
MAGNESIUM							33.6 MG/L		-						
MANGANESE							.0448 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.0073 MG/L		U						
NICKEL							.0044 MG/L		-						
POTASSIUM							1.33 MG/L		-						
SELENIUM							.001 MG/L		UJ						
SILICON							6.36 MG/L		-						
SILVER							.002 MG/L		U						
SODIUM							13.1 MG/L		-						
THALLIUM							.001 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_92			EMGW_SYSGEN_92			111552			111552			111552		
LAB:	IT			NET			IT			IT/MWL			IT/RSL		
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							.0083 MG/L		U						
ZINC							.0044 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
HEPTACHLOR													.05 UG/L		U
HEPTACHLOR EPOXIDE													.05 UG/L		U
METHOXYCHLOR													.5 UG/L		U
TOXAPHENE													5 UG/L		U
RADIONUCLIDES															
URANIUM-238	4.45 PCI/L		NV				.67 PCI/L	.26	J						
URANIUM, TOTAL	13.3 UG/L		NV				2.05 UG/L	.22	-						
URANIUM-234	5.26 PCI/L		NV				1.1 PCI/L	.36	-						
THORIUM-230	2.12 PCI/L		NV				.2 PCI/L		UJ						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UJ						
URANIUM-235/236	.232 PCI/L		NV				.2 PCI/L		UJ						
THORIUM-232	.993 PCI/L		NV				.2 PCI/L		UJ						
THORIUM, TOTAL	8.96 UG/L		NV				1.68 UG/L	.76	UJ						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UJ						
THORIUM-228	3.28 PCI/L		NV				.2 PCI/L		UJ						
NEPTUNIUM-237							.5 PCI/L	.1699	UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_92			EMGW_SYSGEN_92			111552			111552			111552		
LAB:	IT			NET			IT			IT/MWL			IT/RSL		
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															
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L	.07782	UJ						
STRONTIUM-90							1 PCI/L		UJ						
TECHNETIUM-99							15 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							12 PCI/L		UJ						
GROSS ALPHA	134 PCI/L		NV				7.17 PCI/L		UJ						
GROSS BETA	148 PCI/L		NV				4.95 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			
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			

SAMPLE NUMBER:	EMGW_SYSGEN_92			EMGW_SYSGEN_92			111552			111552			111552		
LAB:	IT			NET			IT			IT/MWL			IT/RSL		
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															
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			
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				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		UJ
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		UJ
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							2 UG/L		R
BENZENE				1 UG/L		UNV							10 UG/L		U

EU0956

SAMPLE NUMBER:	EMGW_SYSGEN_92			EMGW_SYSGEN_92			111552			111552			111552		
LAB:	IT			NET			IT			IT/MWL			IT/RSL		
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							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		UJ
CARBON TETRACHLORIDE				1 UG/L		UNV							10 UG/L		U
CHLOROBENZENE				1 UG/L		UNV							10 UG/L		U
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM				1 UG/L		UNV							10 UG/L		U
CHLOROMETHANE				1 UG/L		UNV							10 UG/L		UR
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							10 UG/L		UJ
VINYL CHLORIDE				1 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:	111552			111553			066826			003560			003560		
TASK:	20.03.05			20.03.05			9.27			3.2.4			3.2.4		
LAB:	ITAS			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1035			1035			1035			1035			1035		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-MAY-93			05-MAY-93			06-JAN-90			11-AUG-88			11-AUG-88		
NORTH COORDINATE:	482200.6			482200.6			482200.6			482200.6			482200.6		
EAST COORDINATE:	1379710.46			1379710.46			1379710.46			1379710.46			1379710.46		
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	309 MG/L		-										.1 MG/L		UJ
AMMONIA	.1 MG/L		U										3 MG/L		J
CHLORIDE	3.95 MG/L		-										.51 MG/L		J
FLUORIDE	.36 MG/L		-										.1 MG/L		R
NITRATE	.93 MG/L		J										.02 MG/L		J
PHENOLS	.01 MG/L		U										3.55 MG/L		J
PHOSPHORUS	.07 MG/L		-										59 MG/L		J
SULFATE	67.9 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL KJELDAHL NITROGEN	.21 MG/L		-												
TOTAL ORGANIC CARBON	1 MG/L		U												
TOTAL ORGANIC HALIDES	.01 MG/L		U										.1 MG/L		J
TOTAL ORGANIC NITROGEN	.21 MG/L		-												
INORGANICS															
ALUMINUM				.376 MG/L		U									
ANTIMONY				.0026 MG/L		UJ									
ARSENIC				.001 MG/L		U				.35 MG/L		-			
BARIUM				.0911 MG/L		-				.09 MG/L		-			
BERYLLIUM				.001 MG/L		U									
CADMIUM				.002 MG/L		U				.002 MG/L		U			
CALCIUM				90.5 MG/L		-				83.9 MG/L		-			
CHROMIUM				.004 MG/L		U				.02 MG/L		U			
COBALT				.0037 MG/L		-									
COPPER				.007 MG/L		U				.01 MG/L		U			
CYANIDE				.001 MG/L		UR									
IRON				.618 MG/L		U				.024 MG/L		-			
LEAD				.001 MG/L		U				.05 MG/L		U			
MAGNESIUM				33.3 MG/L		-				29.9 MG/L		-			
MANGANESE				.0232 MG/L		-				.044 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	111552			111553			066826			003560			003560		
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				.0084 MG/L		U				.02 MG/L		U			
NICKEL				.003 MG/L		U				.02 MG/L		U			
POTASSIUM				1.37 MG/L		-				.958 MG/L		-			
SELENIUM				.001 MG/L		UJ				.2 MG/L		U			
SILICON				6.6 MG/L		-									
SILVER				.002 MG/L		U				.01 MG/L		U			
SODIUM				13.5 MG/L		-				6.82 MG/L		J			
THALLIUM				.001 MG/L		U									
VANADIUM				.0083 MG/L		U									
ZINC				.0099 MG/L		U									
RADIONUCLIDES															
URANIUM-238				.84 PCI/L	.3	-	2.88 PCI/L	.76	-				1 PCI/L	.3	-
URANIUM, TOTAL				2.55 UG/L	.27	-	8.19 UG/L	.89	J				2 UG/L	1	-
URANIUM-234				1.11 PCI/L	.36	-	1.64 PCI/L	.56	R				1 PCI/L		U
THORIUM-230				.71 PCI/L	.39	-	2.03 PCI/L	.77	J				1 PCI/L		UJ
RADIUM-226				1 PCI/L		UJ							1 PCI/L		U
URANIUM-235/236				.2 PCI/L		UJ	1 PCI/L		U				1 PCI/L		U
THORIUM-232				.28 PCI/L		UJ							1 PCI/L		UJ
THORIUM, TOTAL				2.58 UG/L	.49	UJ							3 UG/L		UJ
RADIUM-228				3 PCI/L	.84	U							3 PCI/L		U
THORIUM-228				.54 PCI/L		UJ	1.94 PCI/L	.75	-				1 PCI/L		UJ
NEPTUNIUM-237				.38 PCI/L		R							1 PCI/L		UJ
PLUTONIUM-239/240				.5 PCI/L	.23	UJ							1 PCI/L		U
PLUTONIUM-238				.5 PCI/L		UJ							1 PCI/L		U
STRONTIUM-90				1.1 PCI/L	.52	U							5 PCI/L		R
TECHNETIUM-99				15 PCI/L		UJ	30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		R
CESIUM-137				16.1 PCI/L		UJ							20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003736	003736	EMGW_SYSGEN_93	003245	003245
TASK:	3.2.4	3.2.4	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT-KNOX	IT
WELL OR BORING NUMBER:	1035	1035	1035	1035	1035
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-NOV-88	15-NOV-88	17-SEP-90	25-MAY-88	25-MAY-88
NORTH COORDINATE:	482200.6	482200.6	482200.6	482200.6	482200.6
EAST COORDINATE:	1379710.46	1379710.46	1379710.46	1379710.46	1379710.46
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							243 MG/L		NV						
AMMONIA				.1 MG/L		UJ							.3 MG/L		-
CHLORIDE				10.5 MG/L		J	6 MG/L		NV				3 MG/L		NV
FLUORIDE				.54 MG/L		-	.65 MG/L		NV				.62 MG/L		NV
NITRATE				.296 MG/L		J	.51 MG/L		NV				.2 MG/L		NV
NITRATE, AS NITROGEN							.51 MG/L		NV						
PH				.01 MG/L		UJ	7.14 SU		NV				.01 MG/L		NV
PHENOLS				.01 MG/L		UJ	.005 MG/L		UNV				.01 MG/L		NV
PHOSPHORUS				.022 MG/L		-							4.9 MG/L		-
SPECIFIC CONDUCTIVITY							689 UMHOS/CM		NV						
SULFATE				50.3 MG/L		-	76 MG/L		NV				45 MG/L		NV
TOTAL DISSOLVED SOLIDS							450 MG/L		NV						
TOTAL KJELDAHL NITROGEN				.42 MG/L		J									
TOTAL ORGANIC CARBON							3 MG/L		NV						
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN				.42 MG/L		J							4.6 MG/L		-
INORGANICS															
ARSENIC	.002 MG/L		U							.2 MG/L		U			
BARIUM	.093 MG/L		-							.125 MG/L		-			
CADMIUM	.002 MG/L		U							.005 MG/L		U			
CALCIUM	90.4 MG/L		-							81.7 MG/L		-			
CHROMIUM	.02 MG/L		U							.02 MG/L		U			
COPPER	.01 MG/L		U							.01 MG/L		U			
IRON	.009 MG/L		J							.06 MG/L		U			
LEAD	.005 MG/L		J							.05 MG/L		UJ			
MAGNESIUM	30.8 MG/L		-							31.7 MG/L		-			
MANGANESE	.028 MG/L		-							.379 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.02 MG/L		U							.029 MG/L		-			

SAMPLE NUMBER:	003736			003736			EMGW_SYSGEN_93			003245			003245		
LAB:	IT			IT			NET			IT-KNOX			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		U							.02 MG/L		U			
POTASSIUM	1.13 MG/L		-							1.92 MG/L		-			
SELENIUM	.002 MG/L		UJ							.2 MG/L		U			
SILVER	.01 MG/L		U							.01 MG/L		U			
SODIUM	6.8 MG/L		-							8.61 MG/L		-			
RADIONUCLIDES															
URANIUM-238				1.2 PCI/L	.4	J							3.9 PCI/L	.6	-
URANIUM, TOTAL				3 UG/L	1	-							17 UG/L	3	-
URANIUM-234				1.2 PCI/L	.4	J							4.6 PCI/L	.7	-
THORIUM-230				1 PCI/L		UJ							4.6 PCI/L	1	-
RADIUM-226				1 PCI/L		U							2 PCI/L	.6	-
URANIUM-235/236				1 PCI/L		UJ							1 PCI/L		U
THORIUM-232				1 PCI/L		UJ							2.6 PCI/L	.7	-
THORIUM, TOTAL				4 UG/L		UJ							23.7127161 PCI/L	.7	NV
RADIUM-228				3 PCI/L		U							5 PCI/L	1.6	-
THORIUM-228				1 PCI/L		UJ							4 PCI/L	.9	-
NEPTUNIUM-237				1 PCI/L		UJ							1 PCI/L		-
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				30.3 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															
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						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930707-1			GW930707-1			GW930707-1			GW930707-1			GW930707-1		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	CORE			CORE			FERMCO			FERMCO			TCT		
WELL OR BORING NUMBER:	1037			1037			1037			1037			1037		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUL-93			07-JUL-93			07-JUL-93			07-JUL-93			07-JUL-93		
NORTH COORDINATE:	482151.8			482151.8			482151.8			482151.8			482151.8		
EAST COORDINATE:	1379796.71			1379796.71			1379796.71			1379796.71			1379796.71		
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															
ALKALINITY AS CACO3													616 MG/L		-
AMMONIA													.03 MG/L		U
CHLORIDE													23.7 MG/L		-
FLUORIDE													.408 MG/L		-
NITRATE/NITRITE													.0385 MG/L		-
PHOSPHATE													.193 MG/L		R
SULFATE													209 MG/L		-
TOTAL KJELDAHL NITROGEN													.2 MG/L		-
TOTAL ORGANIC NITROGEN													.2 MG/L		-
INORGANICS															
ALUMINUM													.261 MG/L		U
ANTIMONY													.014 MG/L		U
ARSENIC													.0036 MG/L		-
BARIUM													.081 MG/L		-
BERYLLIUM													.005 MG/L		UR
CADMIUM													.005 MG/L		U
CALCIUM													135 MG/L		-
CHROMIUM													.006 MG/L		UJ
COBALT													.017 MG/L		U
COPPER													.009 MG/L		U
CYANIDE													.005 MG/L		U
IRON													.229 MG/L		-
LEAD													.001 MG/L		U
MAGNESIUM													78 MG/L		-
MANGANESE													.148 MG/L		-
MERCURY													.00026 MG/L		U
MOLYBDENUM													.017 MG/L		UJ
NICKEL													.0301 MG/L		J
POTASSIUM													1.71 MG/L		-
SELENIUM													.005 MG/L		UJ

SAMPLE NUMBER:	GW930707-1			GW930707-1			GW930707-1			GW930707-1			GW930707-1		
LAB:	CORE			CORE			FERMCO			FERMCO			TCT		
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															
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													5 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:	EMGW_SYSGEN_98			EMGW_SYSGEN_98			EMGW_SYSGEN_98			EMGW_SYSGEN_97			EMGW_SYSGEN_97		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			IT			NET		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1038		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-NOV-90			01-NOV-90			01-NOV-90			02-AUG-90			02-AUG-90		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			482055.43		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379622.49		
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							428 MG/L		NV						
AMMONIA							.47 MG/L		NV						
CHLORIDE							19 MG/L		NV						
FLUORIDE							.45 MG/L		NV						
NITRATE/NITRITE							.03 MG/L		NV						
PH							6.96 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							2.14 MG/L		NV						
SPECIFIC CONDUCTIVITY							1090 UMHOS/CM		NV						
SULFATE							172 MG/L		NV						
TOTAL DISSOLVED SOLIDS							782 MG/L		NV						
TOTAL ORGANIC CARBON							2 MG/L		NV						
TOTAL ORGANIC HALOGENS							.078 MG/L		NV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	34.6 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	.068 MG/L		NV				.0025 MG/L		UNV
BARIUM				.2 MG/L		UNV	.539 MG/L		NV				.2 MG/L		UNV
BERYLLIUM				.01 MG/L		UNV	.011 MG/L		NV				.01 MG/L		UNV
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV
CALCIUM				115 MG/L		NV	514 MG/L		NV				100 MG/L		NV
CHROMIUM							.006 MG/L		NV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
COPPER				.025 MG/L		UNV	.081 MG/L		NV				.025 MG/L		UNV
CYANIDE							.005 MG/L		UNV						
IRON				.05 MG/L		UNV	113 MG/L		NV				.05 MG/L		UNV
LEAD				.005 MG/L		UNV	.058 MG/L		NV				.005 MG/L		UNV
MAGNESIUM				21 MG/L		NV	192 MG/L		NV				54 MG/L		NV
MANGANESE				.323 MG/L		NV	3.51 MG/L		NV				.471 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_98			EMGW_SYSGEN_98			EMGW_SYSGEN_98			EMGW_SYSGEN_97			EMGW_SYSGEN_97		
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															
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				2.21 MG/L		NV	14 MG/L		NV				2.66 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				14.7 MG/L		NV	10.3 MG/L		NV				9.86 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV
VANADIUM				.05 MG/L		UNV	.355 MG/L		NV				.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.263 MG/L		NV				.02 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	2.61 PCI/L		NV							3.47 PCI/L		NV			
URANIUM, TOTAL	7.7 UG/L		NV							10.2 UG/L		NV			
URANIUM-234	3.34 PCI/L		NV							3.92 PCI/L		NV			
THORIUM-230										.63 PCI/L		UNV			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UNV			
URANIUM-235/236	.827 PCI/L		NV							.282 PCI/L		NV			
THORIUM-232										.63 PCI/L		UNV			
THORIUM, TOTAL										5.7 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		UNV			
THORIUM-228										1.03 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	18 PCI/L		UNV												
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	10 PCI/L		UNV												
GROSS ALPHA	93.4 PCI/L		NV												
GROSS BETA	103 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						

SAMPLE NUMBER:	EMGW_SYSGEN_98			EMGW_SYSGEN_98			EMGW_SYSGEN_98			EMGW_SYSGEN_97			EMGW_SYSGEN_97		
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															
1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_97	EMGW_SYSGEN_96	EMGW_SYSGEN_96	EMGW_SYSGEN_96	GW930104-4
TASK:	GWMON	GWMON	GWMON	GWMON	RCRA
LAB:	NET	IT	NET	NET	CORE
WELL OR BORING NUMBER:	1038	1038	1038	1038	1038
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-AUG-90	02-MAY-90	02-MAY-90	02-MAY-90	04-JAN-93
NORTH COORDINATE:	482055.43	482055.43	482055.43	482055.43	482055.43
EAST COORDINATE:	1379622.49	1379622.49	1379622.49	1379622.49	1379622.49
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	17 MG/L		NV							19 MG/L		NV			
FLUORIDE	.96 MG/L		NV							3.18 MG/L		NV			
NITRATE, AS NITROGEN	.02 MG/L		UNV							.09 MG/L		NV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
SULFATE	174 MG/L		NV							191 MG/L		NV			
TOTAL ORGANIC CARBON	2 MG/L		NV							2 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV							.01 MG/L		UNV			
INORGANICS															
ALUMINUM	23 MG/L		NV				.05 MG/L		UNV	39.6 MG/L		NV			
ANTIMONY	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.0025 MG/L		UNV				.0025 MG/L		UNV	.033 MG/L		NV			
BARIUM	.276 MG/L		NV				.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	187 MG/L		NV				133 MG/L		NV	521 MG/L		NV			
CHROMIUM	.035 MG/L		NV							.068 MG/L		NV			
COBALT	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.128 MG/L		NV				.025 MG/L		UNV	.08 MG/L		NV			
IRON	40 MG/L		NV				.05 MG/L		UNV	74.8 MG/L		NV			
LEAD	.016 MG/L		NV				.005 MG/L		UNV	.034 MG/L		NV			
MAGNESIUM	108 MG/L		NV				46 MG/L		NV	195 MG/L		NV			
MANGANESE	1.29 MG/L		NV				.1 MG/L		NV	2.01 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	.048 MG/L		NV				.005 MG/L		UNV	.088 MG/L		NV			
POTASSIUM	9.92 MG/L		NV				2.2 MG/L		NV	27.7 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 MG/L		NV				10.5 MG/L		NV	12 MG/L		NV			
THALLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_97			EMGW_SYSGEN_96			EMGW_SYSGEN_96			EMGW_SYSGEN_96			GW930104-4		
LAB:	NET			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															
VANADIUM	.084 MG/L		NV				.05 MG/L		UNV	.166 MG/L		NV			
ZINC	.164 MG/L		NV				.02 MG/L		UNV	.131 MG/L		NV			
RADIONUCLIDES															
URANIUM-238				1.66 PCI/L		NV							2.6 UG/L		NV
URANIUM, TOTAL				5 UG/L		NV									
URANIUM-234				2.09 PCI/L		NV							.6 PCI/L	.2	NV
THORIUM-230				.98 PCI/L		UNV							1 PCI/L	.2	UNV
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.27 PCI/L		UNV							.2 PCI/L	.1	UNV
THORIUM-232				.98 PCI/L		UNV							1.4 UG/L		NV
THORIUM, TOTAL				8.9 UG/L		UNV							3 PCI/L	.9	UNV
RADIUM-228				3 PCI/L		UNV							.2 PCI/L	.1	UNV
THORIUM-228				.98 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				15 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				13 PCI/L		UNV									
GROSS ALPHA				52 PCI/L		NV							4.1 PCI/L	2.2	NV
GROSS BETA				109 PCI/L		NV							5.3 PCI/L	2.1	NV
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		UNV							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		UNV							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	5 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHANE	5 UG/L		UNV							1 UG/L		UNV			
1,1-DICHLOROETHENE	5 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHANE	5 UG/L		UNV							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)										1 UG/L		UNV			
1,2-DICHLOROPROPANE	5 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	5 UG/L		UNV							1 UG/L		UNV			
BROMODICHLOROMETHANE	5 UG/L		UNV							1 UG/L		UNV			
BROMOFORM	5 UG/L		UNV							1 UG/L		UNV			
BROMOMETHANE	5 UG/L		UNV							1 UG/L		UNV			
CARBON DISULFIDE	5 UG/L		UNV							1 UG/L		UNV			
CARBON TETRACHLORIDE	5 UG/L		UNV							1 UG/L		UNV			
CHLOROBENZENE	5 UG/L		UNV							1 UG/L		UNV			
CHLOROFORM	5 UG/L		UNV							1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_97			EMGW_SYSGEN_96			EMGW_SYSGEN_96			EMGW_SYSGEN_96			GW930104-4		
LAB:	NET			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															
CHLOROMETHANE	5 UG/L		UNV							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	5 UG/L		UNV							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	5 UG/L		UNV							1 UG/L		UNV			
ETHYLBENZENE	5 UG/L		UNV							1 UG/L		UNV			
METHYLENE CHLORIDE	5 UG/L		UNV							1 UG/L		UNV			
STYRENE	5 UG/L		UNV							1 UG/L		UNV			
TETRACHLOROETHENE	5 UG/L		UNV							1 UG/L		UNV			
TOLUENE	5 UG/L		UNV							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UNV							1 UG/L		UNV			
TRICHLOROETHENE	5 UG/L		UNV							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	5 UG/L		UNV							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930104-4			GW930104-4			GW930104-4			003947			003947		
TASK:	RCRA			RCRA			RCRA			3.2.4			3.2.4		
LAB:	FERMCO Laboratory			NET			NET			IT			IT		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1038		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-JAN-93			04-JAN-93			04-JAN-93			05-FEB-89			05-FEB-89		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			482055.43		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379622.49		
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							429 MG/L		NV						
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.17 MG/L		NV				.1 MG/L		U
BICARBONATE ALKALINITY							540 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							16 MG/L		NV				17.5 MG/L		-
FLUORIDE							.46 MG/L		NV				.46 MG/L		J
NITRATE							.02 MG/L		UNV				.1 MG/L		J
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.09 SU		NV				.01 MG/L		UJ
PHENOLS							.01 MG/L		UNV				.01 MG/L		UJ
PHOSPHORUS							.1 MG/L		UNV				.27 MG/L		J
SPECIFIC CONDUCTIVITY							1150 UMHOS/CM		NV						
SULFATE							176 MG/L		NV				183 MG/L		-
TOTAL DISSOLVED SOLIDS				652 MG/L		NV									
TOTAL KJELDAHL NITROGEN													.223 MG/L		J
TOTAL ORGANIC CARBON							10 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV				.05 MG/L		U
TOTAL ORGANIC NITROGEN													.223 MG/L		J
TOTAL SOLIDS							650 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.42 MG/L		NV						
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	.05 MG/L		-			
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		-			
CALCIUM				142 MG/L		NV	136 MG/L		NV	147 MG/L		-			
CHROMIUM				.0022 MG/L		UNV	.0022 MG/L		NV	.036 MG/L		-			
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						

000970

6416

SAMPLE NUMBER:	GW930104-4	GW930104-4	GW930104-4	003947	003947
LAB:	FERMCO Laboratory	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				.02 MG/L		UNV	.02 MG/L		UNV	.016 MG/L		-			
CYANIDE							.005 MG/L		UNV						
IRON				.51 MG/L		NV	1.17 MG/L		NV	.14 MG/L		-			
LEAD				.003 MG/L		UNV	.003 MG/L		UNV	.002 MG/L		UJ			
MAGNESIUM				64.4 MG/L		NV	53.9 MG/L		NV	66.3 MG/L		-			
MANGANESE				.23 MG/L		NV	.264 MG/L		NV	.217 MG/L		-			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0012 MG/L		-			
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV	.02 MG/L		U			
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV	.029 MG/L		-			
POTASSIUM							2.6 MG/L		NV	1.9 MG/L		J			
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.0005 MG/L		U			
SODIUM							8.6 MG/L		NV	8.66 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						
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													1.5 PCI/L	.4	-
URANIUM, TOTAL	4.3 UG/L		NV										4 UG/L	1	-
URANIUM-234													1.5 PCI/L	.4	-
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

SAMPLE NUMBER:	GW930104-4			GW930104-4			GW930104-4			003947			003947		
LAB:	FERMCO Laboratory			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		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		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						
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						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930104-4			GW930104-4			GW930104-4			003947			003947		
LAB:	FERMCO Laboratory			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															
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:	111548			111548			111548			111548			111549		
TASK:	20.03.05			20.03.05			20.03.05			20.03.05			20.03.05		
LAB:	IT			IT/MWL			IT/RSL			ITAS			IT		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1038		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-MAY-93			05-MAY-93			05-MAY-93			05-MAY-93			05-MAY-93		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			482055.43		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379622.49		
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										44.3 MG/L		-			
AMMONIA										.11 MG/L		-			
CHLORIDE										17.72 MG/L		-			
FLUORIDE										.52 MG/L		-			
NITRATE										.16 MG/L		J			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.03 MG/L		-			
SULFATE										154.4 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	.267 MG/L		-										.377 MG/L		U
ANTIMONY	.0031 MG/L		UJ										.0021 MG/L		UJ
ARSENIC	.0018 MG/L		-										.002 MG/L		-
BARIUM	.0425 MG/L		-										.0425 MG/L		-
BERYLLIUM	.001 MG/L		U										.001 MG/L		U
CADMIUM	.002 MG/L		U										.002 MG/L		U
CALCIUM	145 MG/L		-										141 MG/L		-
CHROMIUM	.004 MG/L		U										.004 MG/L		U
COBALT	.003 MG/L		U										.003 MG/L		U
COPPER	.0029 MG/L		U										.002 MG/L		U
CYANIDE	.001 MG/L		U										.001 MG/L		UR
IRON	1.12 MG/L		-										1.03 MG/L		-
LEAD	.001 MG/L		U										.001 MG/L		U
MAGNESIUM	62.8 MG/L		-										61.4 MG/L		-
MANGANESE	.144 MG/L		-										.113 MG/L		-
MERCURY	.0002 MG/L		U										.0002 MG/L		U

SAMPLE NUMBER:	111548			111548			111548			111548			111549		
LAB:	IT			IT/MWL			IT/RSL			ITAS			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	.0053 MG/L		U										.005 MG/L		U
NICKEL	.003 MG/L		U										.003 MG/L		U
POTASSIUM	2.09 MG/L		-										2.08 MG/L		-
SELENIUM	.001 MG/L		UJ										.001 MG/L		UJ
SILICON	9.2 MG/L		-										9.4 MG/L		-
SILVER	.002 MG/L		U										.002 MG/L		U
SODIUM	8.42 MG/L		-										8.52 MG/L		-
THALLIUM	.001 MG/L		U										.001 MG/L		U
VANADIUM	.0094 MG/L		U										.0091 MG/L		U
ZINC	.0035 MG/L		U										.0038 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						
HEPTACHLOR							.05 UG/L		U						
HEPTACHLOR EPOXIDE							.05 UG/L		U						
METHOXYCHLOR							.5 UG/L		U						
TOXAPHENE							5 UG/L		U						
RADIONUCLIDES															
URANIUM-238	1.56 PCI/L	.47	-										1.67 PCI/L	.47	-
URANIUM, TOTAL	4.11 UG/L	.44	-										4.95 UG/L	.75	-
URANIUM-234	2.34 PCI/L	.64	-										2.3 PCI/L	.61	-

SAMPLE NUMBER:	111548			111548			111548			111548			111549		
LAB:	IT			IT/MWL			IT/RSL			ITAS			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	.26 PCI/L	.16	J										.29 PCI/L	.18	-
RADIUM-226	1 PCI/L		UJ										1 PCI/L	.12	UJ
URANIUM-235/236	.2 PCI/L		UJ										.2 PCI/L	.06	UJ
THORIUM-232	.2 PCI/L		UJ										.2 PCI/L		UJ
THORIUM, TOTAL	1.25 UG/L	.41	UJ										1.84 UG/L	.34	UJ
RADIUM-228	3 PCI/L		UJ										3 PCI/L		UJ
THORIUM-228	.2 PCI/L		UJ										.25 PCI/L		U
NEPTUNIUM-237	.12 PCI/L		R										.5 PCI/L	.23	UJ
PLUTONIUM-239/240	.5 PCI/L		UJ										.5 PCI/L	.12	UJ
PLUTONIUM-238	.5 PCI/L		UJ										.5 PCI/L		UJ
STRONTIUM-90	1 PCI/L		UJ										1.08 PCI/L	.54	U
TECHNETIUM-99	15 PCI/L		UJ										15 PCI/L		UJ
RUTHENIUM-106	150 PCI/L		UJ										150 PCI/L		UJ
CESIUM-137	10.4 PCI/L		UJ										15.7 PCI/L		UJ
GROSS ALPHA	8.97 PCI/L		UJ												
GROSS BETA	6.27 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									
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									

SAMPLE NUMBER:	111548			111548			111548			111548			111549		
LAB:	IT			IT/MWL			IT/RSL			ITAS			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		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		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		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		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						

SAMPLE NUMBER:	111548			111548			111548			111548			111549		
LAB:	IT			IT/MWL			IT/RSL			ITAS			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		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						
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:	EMGW_SYSGEN_103	EMGW_SYSGEN_103	EMGW_SYSGEN_103	EMGW_SYSGEN_99	EMGW_SYSGEN_99
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	WMCO	IT	NET
WELL OR BORING NUMBER:	1038	1038	1038	1038	1038
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-OCT-91	08-OCT-91	08-OCT-91	11-FEB-91	11-FEB-91
NORTH COORDINATE:	482055.43	482055.43	482055.43	482055.43	482055.43
EAST COORDINATE:	1379622.49	1379622.49	1379622.49	1379622.49	1379622.49
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				438 MG/L		NV									
AMMONIA				.19 MG/L		NV									
CHLORIDE				19 MG/L		NV									
FLUORIDE				.57 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				7.17 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.23 MG/L		NV									
SPECIFIC CONDUCTIVITY				967 UMHOS/CM		NV									
SULFATE				164 MG/L		NV									
TOTAL DISSOLVED SOLIDS				614 MG/L		NV									
TOTAL ORGANIC CARBON				26 MG/L		NV									
TOTAL ORGANIC HALOGENS				.022 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	60 MG/L		NV							.5 MG/L		UNV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
ARSENIC	.005 MG/L		UNV	.0464 MG/L		NV							.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV	.39 MG/L		NV							.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	140 MG/L		NV	600 MG/L		NV							112 MG/L		NV
CHROMIUM				.002 MG/L		UNV									
COBALT	.005 MG/L		UNV	.0544 MG/L		NV							.025 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV							.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV									
IRON	.13 MG/L		NV	153 MG/L		NV							.05 MG/L		UNV
LEAD	.003 MG/L		UNV	.0609 MG/L		NV							.005 MG/L		UNV
MAGNESIUM	47 MG/L		NV	200 MG/L		NV							58 MG/L		NV
MANGANESE	.29 MG/L		NV	3.01 MG/L		NV							.085 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV							.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_103			EMGW_SYSGEN_103			EMGW_SYSGEN_103			EMGW_SYSGEN_99			EMGW_SYSGEN_99		
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															
MOLYBDENUM	.01 MG/L		UNV	.01 MG/L		UNV							.025 MG/L		UNV
NICKEL	.01 MG/L		UNV	.187 MG/L		NV							.005 MG/L		UNV
POTASSIUM	2.3 MG/L		NV	13 MG/L		NV							2.4 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	8.5 MG/L		NV	10 MG/L		NV							11.2 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	.025 MG/L		NV	.31 MG/L		NV							.023 MG/L		NV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238										2.87 PCI/L		NV			
URANIUM, TOTAL							4.8 UG/L		NV	5.86 UG/L		NV			
URANIUM-234										2.96 PCI/L		NV			
THORIUM-230										.753 PCI/L		NV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										.208 PCI/L		NV			
THORIUM-232										.281 PCI/L		NV			
THORIUM, TOTAL										2.53 UG/L		NV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										1.95 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										8.8 PCI/L		UNV			
GROSS ALPHA										64.8 PCI/L		NV			
GROSS BETA										56.7 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									

SAMPLE NUMBER:	EMGW_SYSGEN_103			EMGW_SYSGEN_103			EMGW_SYSGEN_103			EMGW_SYSGEN_99			EMGW_SYSGEN_99		
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															
1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_99			003183			003183			066495			066495		
TASK:	GWMON			3.2.4			3.2.4			9.25			9.25		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1038		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-FEB-91			11-MAY-88			11-MAY-88			13-AUG-89			13-AUG-89		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			482055.43		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379622.49		
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	415 MG/L		NV												
AMMONIA	.06 MG/L		NV				.2 MG/L		J						
CHLORIDE	16 MG/L		NV				14.9 MG/L		-				11 MG/L		-
FLUORIDE	.5 MG/L		NV				.76 MG/L		J				.5 MG/L		-
NITRATE	.1 MG/L		NV				.1 MG/L		UR				.25 MG/L		-
NITRATE, AS NITROGEN	.1 MG/L		NV												
PH	7.26 SU		NV				.02 MG/L		J						
PHENOLS	.005 MG/L		UNV				.02 MG/L		J						
PHOSPHORUS	1.24 MG/L		NV				.05 MG/L		UJ						
SPECIFIC CONDUCTIVITY	1020 UMHOS/CM		NV												
SULFATE	165 MG/L		NV				200 MG/L		J				155 MG/L		J
TOTAL DISSOLVED SOLIDS	636 MG/L		NV												
TOTAL ORGANIC CARBON	26 MG/L		NV										1 MG/L		U
TOTAL ORGANIC HALIDES													.011 MG/L		-
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ						
INORGANICS															
ALUMINUM	28.2 MG/L		NV							.149 MG/L		-			
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.082 MG/L		NV	.2 MG/L		U									
BARIUM	.2 MG/L		UNV	.05 MG/L		U				.048 MG/L		-			
BERYLLIUM	.01 MG/L		UNV							.001 MG/L		U			
CADMIUM	.001 MG/L		UNV	.0128 MG/L		-									
CALCIUM	456 MG/L		NV	135 MG/L		-				156 MG/L		-			
CHROMIUM	.077 MG/L		NV	.02 MG/L		U				.034 MG/L		-			
COBALT	.025 MG/L		UNV							.01 MG/L		U			
COPPER	.093 MG/L		NV	.01 MG/L		U				.01 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON	140 MG/L		NV	.53 MG/L		-				.295 MG/L		-			
LEAD	.05 MG/L		NV	.05 MG/L		U				.003 MG/L		-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_99			003183			003183			066495			066495		
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	198 MG/L		NV	60.9 MG/L		-				66.2 MG/L		-			
MANGANESE	2.11 MG/L		NV	.286 MG/L		-									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UJ									
MOLYBDENUM	.025 MG/L		UNV	.027 MG/L		U									
NICKEL	.02 MG/L		NV	.02 MG/L		U				.02 MG/L		U			
POTASSIUM	10.1 MG/L		NV	1.92 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.2 MG/L		U									
SILVER	.001 MG/L		UNV	.01 MG/L		U				.014 MG/L		-			
SODIUM	9.9 MG/L		NV	8.7 MG/L		-									
THALLIUM	.01 MG/L		UNV												
VANADIUM	.124 MG/L		NV							.026 MG/L		-			
ZINC	.214 MG/L		NV							.016 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.4 PCI/L	.3	-				1.3 PCI/L	.3	J
URANIUM, TOTAL							5 UG/L	1	J				4 UG/L	1	-
URANIUM-234							1.7 PCI/L	.3	-				1.7 PCI/L	.3	J
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						
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						
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										5 UG/L		U
1,1-DICHLOROETHENE	1 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_99			003183			003183			066495			066495		
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															
1,2-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										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
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:	EMGW_SYSGEN_95	EMGW_SYSGEN_95	EMGW_SYSGEN_95	GW930416-14	GW930416-14
TASK:	GWMON	GWMON	GWMON	50.03.23	50.03.23
LAB:	IT	NET	NET	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1038	1038	1038	1038	1038
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-FEB-90	15-FEB-90	15-FEB-90	16-APR-93	16-APR-93
NORTH COORDINATE:	482055.43	482055.43	482055.43	482055.43	482055.43
EAST COORDINATE:	1379622.49	1379622.49	1379622.49	1379622.49	1379622.49
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													440 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													540 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE							16 MG/L		NV				16 MG/L		-
FLUORIDE							.79 MG/L		NV				.59 MG/L		-
NITRATE, AS NITROGEN							.09 MG/L		NV						
NITRATE/NITRITE													.14 MG/L		U
PH							.005 MG/L		UNV				7.2 SU		-
PHENOLS							.005 MG/L		UNV				.01 MG/L		U
PHOSPHORUS													.05 MG/L		U
SPECIFIC CONDUCTIVITY													1000 UMHOS/CM		-
SULFATE							144 MG/L		NV				130 MG/L		-
TOTAL DISSOLVED SOLIDS										660 MG/L		-			
TOTAL KJELDAHL NITROGEN													.3 MG/L		-
TOTAL ORGANIC CARBON							1 MG/L		UNV				1 MG/L		UJ
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL ORGANIC HALOGENS							.016 MG/L		NV						
TOTAL SOLIDS													680 MG/L		-
INORGANICS															
ALUMINUM				.051 MG/L		NV	2.67 MG/L		NV	.0174 MG/L		U	.0919 MG/L		-
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC				.0025 MG/L		UNV	.014 MG/L		NV	.001 MG/L		U	.0023 MG/L		-
BARIUM				.2 MG/L		UNV	.2 MG/L		UNV	.0347 MG/L		-	.0384 MG/L		-
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM				165 MG/L		NV	336 MG/L		NV	141 MG/L		-	145 MG/L		-
CHROMIUM							.019 MG/L		NV	.0075 MG/L		U	.0066 MG/L		U
COBALT				.025 MG/L		UNV	.025 MG/L		UNV	.006 MG/L		U	.006 MG/L		U
COPPER				.025 MG/L		UNV	.04 MG/L		NV	.004 MG/L		U	.004 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_95			EMGW_SYSGEN_95			EMGW_SYSGEN_95			GW930416-14			GW930416-14		
LAB:	IT			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															
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON				.05 MG/L		UNV	14.9 MG/L		NV	.0369 MG/L		U	.607 MG/L		UJ
LEAD				.005 MG/L		UNV	.009 MG/L		NV	.001 MG/L		UJ	.0024 MG/L		UJ
MAGNESIUM				62.4 MG/L		NV	105 MG/L		NV	60.1 MG/L		-	61.7 MG/L		-
MANGANESE				.232 MG/L		NV	.901 MG/L		NV	.085 MG/L		-	.101 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL				.005 MG/L		UNV	.02 MG/L		NV	.019 MG/L		U	.019 MG/L		U
POTASSIUM										2.45 MG/L		-	2.04 MG/L		-
SELENIUM										.02 MG/L		UJ	.002 MG/L		UR
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.003 MG/L		UJ	.003 MG/L		UJ
SODIUM				10.5 MG/L		NV	11.9 MG/L		NV	8.28 MG/L		-	8.33 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		UJ
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.004 MG/L		U	.004 MG/L		U
ZINC				.02 MG/L		UNV	.029 MG/L		NV	.006 MG/L		U	.006 MG/L		U
RADIONUCLIDES															
URANIUM-238	4.2 PCI/L		NV												
URANIUM, TOTAL	12.6 UG/L		NV												
URANIUM-234	3.9 PCI/L		NV												
THORIUM-230	1 PCI/L		UNV												
THORIUM-228	1 PCI/L		UNV												
TECHNETIUM-99	16 PCI/L		UNV												
URANIUM-235	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							1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHENE													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													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							2 UG/L		UNV				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

SAMPLE NUMBER:	EMGW_SYSGEN_95			EMGW_SYSGEN_95			EMGW_SYSGEN_95			GW930416-14			GW930416-14		
LAB:	IT			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															
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							1 UG/L		UNV				10 UG/L		U
STYRENE													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													10 UG/L		U
TRICHLOROETHENE							1 UG/L		UNV				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:	GW930416-14			GW930416-14			EMGW_SYSGEN_101			EMGW_SYSGEN_101			EMGW_SYSGEN_102		
TASK:	50.03.23			50.03.23			GWMON			GWMON			GWMON		
LAB:	FERMCO			FERMCO			NET			NET			WMCO		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1038		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-APR-93			16-APR-93			17-JUL-91			17-JUL-91			18-JUL-91		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			482055.43		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379622.49		
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										427 MG/L		NV			
AMMONIA										.09 MG/L		NV			
CHLORIDE										15 MG/L		NV			
FLUORIDE										.47 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH										6.98 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.1 MG/L		NV			
SPECIFIC CONDUCTIVITY										1020 UMHOS/CM		NV			
SULFATE										142 MG/L		NV			
TOTAL DISSOLVED SOLIDS										540 MG/L		NV			
TOTAL ORGANIC CARBON										5 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.2 MG/L		UNV	18.3 MG/L		NV			
ANTIMONY							.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC							.005 MG/L		UNV	.019 MG/L		NV			
BARIUM							.2 MG/L		UNV	.39 MG/L		NV			
BERYLLIUM							.05 MG/L		UNV	.05 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							130 MG/L		NV	490 MG/L		NV			
CHROMIUM										.0221 MG/L		NV			
COBALT							.005 MG/L		UNV	.0196 MG/L		NV			
COPPER							.02 MG/L		UNV	.06 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON							.32 MG/L		NV	68.7 MG/L		NV			
LEAD							.005 MG/L		UNV	.0388 MG/L		NV			
MAGNESIUM							34 MG/L		NV	138 MG/L		NV			
MANGANESE							.253 MG/L		NV	2.72 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	GW930416-14			GW930416-14			EMGW_SYSGEN_101			EMGW_SYSGEN_101			EMGW_SYSGEN_102		
LAB:	FERMCO			FERMCO			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															
MOLYBDENUM							.01 MG/L		UNV	.036 MG/L		NV			
NICKEL							.01 MG/L		UNV	.114 MG/L		NV			
POTASSIUM							2.4 MG/L		NV	7.4 MG/L		NV			
SELENIUM							.005 MG/L		UNV	.005 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							8.5 MG/L		NV	10 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.085 MG/L		NV			
ZINC							.02 MG/L		UNV	.12 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL	4.6 UG/L		NV	4.8 UG/L		NV							3.7 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			
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:	GW930416-14			GW930416-14			EMGW_SYSGEN_101			EMGW_SYSGEN_101			EMGW_SYSGEN_102		
LAB:	FERMCO			FERMCO			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															
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			

SAMPLE NUMBER:	066431			066431			003762			003762			066666		
TASK:	9.25			9.25			3.2.4			3.2.4			9.27		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1038		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-JUN-89			18-JUN-89			20-NOV-88			20-NOV-88			21-NOV-89		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			482055.43		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379622.49		
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										.16 MG/L		J			
CHLORIDE				5.8 MG/L		-				2 MG/L		-			
FLUORIDE				.6 MG/L		-				.64 MG/L		-			
NITRATE				.1 MG/L		UR				.1 MG/L		U			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										2.76 MG/L		-			
SULFATE				158 MG/L		-				132 MG/L		-			
TOTAL KJELDAHL NITROGEN										.1 MG/L		UJ			
TOTAL ORGANIC CARBON				1.96 MG/L		UJ									
TOTAL ORGANIC HALIDES				.0105 MG/L		J				.05 MG/L		U			
INORGANICS															
ALUMINUM	.168 MG/L		-												
ARSENIC							.002 MG/L		UJ						
BARIUM	.0431 MG/L		-				.04 MG/L		-						
BERYLLIUM	.001 MG/L		U												
CADMIUM							.002 MG/L		U						
CALCIUM	145 MG/L		-				126 MG/L		-						
CHROMIUM	.039 MG/L		-				.02 MG/L		U						
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U				.01 MG/L		U						
IRON	.156 MG/L		-				.376 MG/L		J						
LEAD	.002 MG/L		U				.002 MG/L		U						
MAGNESIUM	65.4 MG/L		-				56 MG/L		-						
MANGANESE							.21 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.036 MG/L		-						
NICKEL	.0226 MG/L		-				.02 MG/L		U						
POTASSIUM							1.73 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER	.0139 MG/L		-				.0005 MG/L		U						

SAMPLE NUMBER:	066431			066431			003762			003762			066666		
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															
SODIUM							7.11 MG/L		-						
VANADIUM	.0279 MG/L		-												
ZINC	.0115 MG/L		-												
RADIONUCLIDES															
URANIUM-238				2 PCI/L	.5	-				1.2 PCI/L	.5	J	5.9 PCI/L	1.1	R
URANIUM, TOTAL				5 UG/L	1	-				4.5 UG/L	.6	J	11 UG/L	2	R
URANIUM-234				3.1 PCI/L	.7	-				2.3 PCI/L	.7	J	6.9 PCI/L	1.2	R
THORIUM-230				1 PCI/L		U				.5 PCI/L		UJ	1.8 PCI/L		R
RADIUM-226										1 PCI/L		UJ			
URANIUM-235/236				1 PCI/L		U				.5 PCI/L		UJ	1 PCI/L		R
THORIUM-232										.5 PCI/L		UJ	3.8 PCI/L	1.9	R
THORIUM, TOTAL										5 UG/L		UJ			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228				1 PCI/L		U				.5 PCI/L		UJ	4.4 PCI/L	2	R
NEPTUNIUM-237										.5 PCI/L		UJ			
PLUTONIUM-239/240										.5 PCI/L		UJ			
PLUTONIUM-238										.5 PCI/L		UJ			
STRONTIUM-90										1.2 PCI/L		UJ			
TECHNETIUM-99				30 PCI/L		U				26 PCI/L		UJ	30 PCI/L		R
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										6 PCI/L		R			
VOLATILES															
1,1-DICHLOROETHANE				5 UG/L		U									
ACETONE				10 UG/L		U									
METHYLENE CHLORIDE				7 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		U									
TRICHLOROETHENE				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003518			003518			066667			066667			EMGW_SYSGEN_112		
TASK:	3.2.4			3.2.4			9.27			9.27			GWMON		
LAB:	IT			IT			WMCO			WMCO			IT		
WELL OR BORING NUMBER:	1038			1038			1038			1038			1039		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-AUG-88			22-AUG-88			22-NOV-89			22-NOV-89			04-MAR-91		
NORTH COORDINATE:	482055.43			482055.43			482055.43			482055.43			480729.12		
EAST COORDINATE:	1379622.49			1379622.49			1379622.49			1379622.49			1379659.11		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			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				.2 MG/L		J									
CHLORIDE				10 MG/L		-				16 MG/L		NV			
FLUORIDE				.75 MG/L		J				.55 MG/L		NV			
NITRATE				.1 MG/L		UJ				.32 MG/L		NV			
PHENOLS				.02 MG/L		-				.01 MG/L		NV			
PHOSPHORUS				.625 MG/L		J									
SULFATE				132 MG/L		J				136 MG/L		NV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		J									
INORGANICS															
ALUMINUM							.07 MG/L		NV	4.83 MG/L		NV			
ARSENIC	.002 MG/L		U				.0025 MG/L		UNV	.009 MG/L		NV			
BARIUM	.045 MG/L		-				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM	.002 MG/L		U												
CALCIUM	133 MG/L		-				129 MG/L		NV	165 MG/L		NV			
CHROMIUM	.02 MG/L		U				.005 MG/L		UNV	.011 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.01 MG/L		U				.025 MG/L		UNV	.025 MG/L		UNV			
IRON	.16 MG/L		-				.491 MG/L		NV	10.8 MG/L		NV			
LEAD	.002 MG/L		UJ				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	60.6 MG/L		-				56 MG/L		NV	69.2 MG/L		NV			
MANGANESE	.204 MG/L		-				.237 MG/L		NV	.434 MG/L		NV			
MERCURY	.0002 MG/L		UJ												
MOLYBDENUM	.043 MG/L		U												
NICKEL	.02 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV			
POTASSIUM	2.4 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.01 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV			

SAMPLE NUMBER:	003518			003518			066667			066667			EMGW_SYSGEN_112		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			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															
SODIUM	8.3 MG/L		-				14.1 MG/L		NV	13.8 MG/L		NV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.04 MG/L		NV			
RADIONUCLIDES															
URANIUM-238				1.4 PCI/L	.3	J							.49 PCI/L		UNV
URANIUM, TOTAL				4 UG/L	1	-							1.36 UG/L		NV
URANIUM-234				1.9 PCI/L	.4	J							.49 PCI/L		UNV
THORIUM-230				1 PCI/L		UJ							.222 PCI/L		NV
RADIUM-226				1 PCI/L		UJ							1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		UJ							.49 PCI/L		UNV
THORIUM-232				1 PCI/L		UJ							.2 PCI/L		UNV
THORIUM, TOTAL				5 UG/L		UJ							1.7 UG/L		UNV
RADIUM-228				3 PCI/L		U							3 PCI/L		UNV
THORIUM-228				1 PCI/L		UJ							.722 PCI/L		NV
NEPTUNIUM-237				1 PCI/L		UJ							.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							8.7 PCI/L		UNV
GROSS ALPHA													11 PCI/L		UNV
GROSS BETA													11 PCI/L		UNV
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										2.7 UG/L		NV			
TRICHLOROETHENE										2.5 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_112	003928	003928	003491	003491
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	1039	1039	1039	1039	1039
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAR-91	05-FEB-89	05-FEB-89	10-AUG-88	10-AUG-88
NORTH COORDINATE:	480729.12	480729.12	480729.12	480729.12	480729.12
EAST COORDINATE:	1379659.11	1379659.11	1379659.11	1379659.11	1379659.11
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	213 MG/L		NV												
AMMONIA	.02 MG/L		UNV				.1 MG/L		U				.3 MG/L		-
CHLORIDE	324 MG/L		NV				700 MG/L		-				860 MG/L		-
FLUORIDE	.4 MG/L		NV				.16 MG/L		J				3.5 MG/L		-
NITRATE	.08 MG/L		NV				.1 MG/L		UJ				.13 MG/L		J
NITRATE, AS NITROGEN	.08 MG/L		NV												
PH	7.3 SU		NV				.011 MG/L		J				.05 MG/L		U
PHENOLS	.005 MG/L		UNV				.011 MG/L		J				.05 MG/L		U
PHOSPHORUS	.1 MG/L		UNV				.05 MG/L		J						
SPECIFIC CONDUCTIVITY	1480 UMHOS/CM		NV												
SULFATE	121 MG/L		NV				131 MG/L		-				130 MG/L		-
TOTAL DISSOLVED SOLIDS	664 MG/L		NV												
TOTAL KJELDAHL NITROGEN							.103 MG/L		J				21 MG/L		-
TOTAL ORGANIC CARBON	7 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.021 MG/L		NV												
TOTAL ORGANIC NITROGEN							.103 MG/L		J						
INORGANICS															
ALUMINUM	.5 MG/L		UNV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV	.002 MG/L		U				.01 MG/L		U			
BARIUM	.2 MG/L		UNV	.191 MG/L		-				.3 MG/L		-			
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV	.01 MG/L		-				.005 MG/L		U			
CALCIUM	91 MG/L		NV	168 MG/L		-				240 MG/L		-			
CHROMIUM	.018 MG/L		NV	.035 MG/L		-				.01 MG/L		U			
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV	.016 MG/L		-				.03 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON	1.51 MG/L		NV	.097 MG/L		-				1.8 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_112			003928			003928			003491			003491		
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															
LEAD	.005 MG/L		UNV	.002 MG/L		UJ				.005 MG/L		U			
MAGNESIUM	42.5 MG/L		NV	70 MG/L		-				100 MG/L		-			
MANGANESE	.904 MG/L		NV	.481 MG/L		-				.79 MG/L		-			
MERCURY	.0002 MG/L		UNV	.0004 MG/L		-				.0003 MG/L		U			
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		U				.05 MG/L		U			
NICKEL	.013 MG/L		NV	.023 MG/L		-				.04 MG/L		U			
POTASSIUM	1 MG/L		UNV	.792 MG/L		J				5 MG/L		U			
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ				.005 MG/L		U			
SILVER	.001 MG/L		UNV	.0005 MG/L		U				.01 MG/L		U			
SODIUM	139.MG/L		NV	218 MG/L		-				350 MG/L		-			
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.02 MG/L		UNV												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							1.8 PCI/L	.5	-				1 PCI/L		UJ
URANIUM, TOTAL							1 UG/L	1	-				1 UG/L	1	-
URANIUM-234							1.4 PCI/L	.5	-				1 PCI/L		UJ
THORIUM-230							1.4 PCI/L	.5	-				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				12 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		U				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
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_112			003928			003928			003491			003491		
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-DICHLOROETHANE	1.2 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	18.9 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_111			EMGW_SYSGEN_111			EMGW_SYSGEN_111D			EMGW_SYSGEN_111D			003179		
TASK:	GWMON			GWMON			GWMON			GWMON			3.2.4		
LAB:	IT			NET			IT			NET			IT		
WELL OR BORING NUMBER:	1039			1039			1039			1039			1039		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-DEC-90			11-DEC-90			11-DEC-90			11-DEC-90			11-MAY-88		
NORTH COORDINATE:	480729.12			480729.12			480729.12			480729.12			480729.12		
EAST COORDINATE:	1379659.11			1379659.11			1379659.11			1379659.11			1379659.11		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			NORMAL		
QC OF:							EMGW_SYSGEN_111			EMGW_SYSGEN_111					
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				214 MG/L		NV			
AMMONIA				.02 MG/L		UNV				.02 MG/L		UNV			
CHLORIDE				270 MG/L		NV				270 MG/L		NV			
FLUORIDE				.34 MG/L		NV				.42 MG/L		NV			
NITRATE/NITRITE				.02 MG/L		UNV				.02 MG/L		UNV			
PH				7.22 SU		NV				7.26 SU		NV			
PHENOLS				.005 MG/L		UNV				.006 MG/L		NV			
PHOSPHORUS				.1 MG/L		NV				.06 MG/L		NV			
SPECIFIC CONDUCTIVITY				1440 UMHOS/CM		NV				1430 UMHOS/CM		NV			
SULFATE				96 MG/L		NV				94 MG/L		NV			
TOTAL DISSOLVED SOLIDS				796 MG/L		NV				754 MG/L		NV			
TOTAL ORGANIC CARBON				4 MG/L		NV				3 MG/L		NV			
TOTAL ORGANIC HALOGENS				.022 MG/L		NV				.01 MG/L		UNV			
INORGANICS															
ARSENIC													.2 MG/L		U
BARIUM													.459 MG/L		-
CADMIUM													.005 MG/L		U
CALCIUM													274 MG/L		-
CHROMIUM													.02 MG/L		U
COPPER													.016 MG/L		-
CYANIDE				.005 MG/L		UNV				.005 MG/L		UNV			
IRON													.56 MG/L		-
LEAD													.05 MG/L		U
MAGNESIUM													109.6 MG/L		-
MANGANESE													.986 MG/L		-
MERCURY													.0002 MG/L		UJ
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													1.33 MG/L		-
SELENIUM													.2 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_111			EMGW_SYSGEN_111			EMGW_SYSGEN_111D			EMGW_SYSGEN_111D			003179		
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															
SILVER													.01 MG/L		U
SODIUM													243.9 MG/L		-
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	.575 PCI/L		NV				.804 PCI/L		NV						
URANIUM, TOTAL	1.54 UG/L		NV				1.45 UG/L		NV						
URANIUM-234	.744 PCI/L		NV				1.01 PCI/L		NV						
THORIUM-230	.322 PCI/L		NV				.33 PCI/L		UNV						
RADIUM-226	1 PCI/L		UNV				1 PCI/L		UNV						
URANIUM-235/236	.2 PCI/L		UNV				.28 PCI/L		UNV						
THORIUM-232	.25 PCI/L		UNV				.33 PCI/L		UNV						
THORIUM, TOTAL	2.3 UG/L		UNV				3 UG/L		UNV						
RADIUM-228	3 PCI/L		UNV				3 PCI/L		UNV						
THORIUM-228	.493 PCI/L		NV				1.13 PCI/L		NV						
GROSS ALPHA	11 PCI/L		UNV				17 PCI/L		UNV						
GROSS BETA	7.3 PCI/L		UNV				9.5 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				1.2 UG/L		NV			
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:	EMGW_SYSGEN_111			EMGW_SYSGEN_111			EMGW_SYSGEN_111D			EMGW_SYSGEN_111D			003179		
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															
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 1 WELLS

SAMPLE NUMBER:	003179	GW930415-1	GW930415-1	EMGW_SYSGEN_109	EMGW_SYSGEN_109
TASK:	3.2.4	50.03.23	50.03.23	GWMON	GWMON
LAB:	IT	DATACHEM	DATACHEM	IT	NET
WELL OR BORING NUMBER:	1039	1039	1039	1039	1039
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-88	15-APR-93	15-APR-93	16-AUG-90	16-AUG-90
NORTH COORDINATE:	480729.12	480729.12	480729.12	480729.12	480729.12
EAST COORDINATE:	1379659.11	1379659.11	1379659.11	1379659.11	1379659.11
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							250 MG/L		-						
AMMONIA	.1 MG/L		UJ				.05 MG/L		U						
BICARBONATE ALKALINITY							320 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE	1095 MG/L		-				350 MG/L		-						
FLUORIDE	.46 MG/L		J				.5 MG/L		-						
NITRATE	.1 MG/L		UR				.03 MG/L		U						
NITRATE/NITRITE							.03 MG/L		U						
PH	.02 MG/L		J				7.8 SU		-						
PHENOLS	.02 MG/L		J				.01 MG/L		U						
PHOSPHORUS	.05 MG/L		UJ				.06 MG/L		-						
SPECIFIC CONDUCTIVITY							1600 UMHOS/CM		-						
SULFATE	119 MG/L		J				88 MG/L		-						
TOTAL DISSOLVED SOLIDS				880 MG/L		-									
TOTAL KJELDAHL NITROGEN							.1 MG/L		-						
TOTAL ORGANIC CARBON							1 MG/L		UJ						
TOTAL ORGANIC HALIDES							.02 MG/L		J						
TOTAL ORGANIC NITROGEN	.1 MG/L		UJ												
TOTAL SOLIDS							900 MG/L		-						
INORGANICS															
ALUMINUM				.014 MG/L		U	.0293 MG/L		U				.5 MG/L		UNV
ANTIMONY				.045 MG/L		U	.045 MG/L		U				.025 MG/L		UNV
ARSENIC				.001 MG/L		U	.001 MG/L		U				.0025 MG/L		UNV
BARIUM				.116 MG/L		-	.123 MG/L		-				.2 MG/L		UNV
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				118 MG/L		-	120 MG/L		-				67.6 MG/L		NV
CHROMIUM				.004 MG/L		U	.004 MG/L		U						
COBALT				.006 MG/L		U	.006 MG/L		U				.025 MG/L		UNV
COPPER				.004 MG/L		U	.004 MG/L		U				.025 MG/L		UNV

SAMPLE NUMBER:	003179			GW930415-1			GW930415-1			EMGW_SYSGEN_109			EMGW_SYSGEN_109		
LAB:	IT			DATACHEM			DATACHEM			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															
CYANIDE				.01 MG/L		U	.01 MG/L		U				.74 MG/L		NV
IRON				.471 MG/L		-	1.55 MG/L		UJ				.005 MG/L		UNV
LEAD				.001 MG/L		UJ	.001 MG/L		UJ				24.8 MG/L		NV
MAGNESIUM				44.3 MG/L		-	44.5 MG/L		-				.31 MG/L		NV
MANGANESE				.263 MG/L		-	.317 MG/L		-				.0002 MG/L		UNV
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.025 MG/L		UNV
MOLYBDENUM													.005 MG/L		UNV
NICKEL				.019 MG/L		U	.019 MG/L		U				1.2 MG/L		NV
POTASSIUM				.432 MG/L		U	.773 MG/L		-				.0025 MG/L		UNV
SELENIUM				.002 MG/L		UJ	.002 MG/L		UR				.001 MG/L		UNV
SILVER				.003 MG/L		UJ	.003 MG/L		UJ				182 MG/L		NV
SODIUM				142 MG/L		-	148 MG/L		-				.01 MG/L		UNV
THALLIUM				.001 MG/L		UJ	.01 MG/L		UJ				.05 MG/L		UNV
VANADIUM				.004 MG/L		U	.004 MG/L		U				.02 MG/L		UNV
ZINC				.006 MG/L		U	.006 MG/L		U						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U							3.91 PCI/L		NV			
URANIUM, TOTAL	2 UG/L	1	UJ							1.43 UG/L		NV			
URANIUM-234	1 PCI/L		U							3.02 PCI/L		NV			
THORIUM-230	1 PCI/L		U							.45 PCI/L		UNV			
RADIUM-226	1 PCI/L		U							1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U							.27 PCI/L		UNV			
THORIUM-232	1 PCI/L		U							.45 PCI/L		UNV			
THORIUM, TOTAL										4 UG/L		UNV			
RADIUM-228	3 PCI/L		U							3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U							.499 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															
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						

001002

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SAMPLE NUMBER:	003179			GW930415-1			GW930415-1			EMGW_SYSGEN_109			EMGW_SYSGEN_109		
LAB:	IT			DATACHEM			DATACHEM			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															
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		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_109	003733	003733	EMGW_SYSGEN_110	EMGW_SYSGEN_107
TASK:	GWMON	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	NET	IT
WELL OR BORING NUMBER:	1039	1039	1039	1039	1039
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-AUG-90	20-NOV-88	20-NOV-88	20-SEP-90	23-APR-90
NORTH COORDINATE:	480729.12	480729.12	480729.12	480729.12	480729.12
EAST COORDINATE:	1379659.11	1379659.11	1379659.11	1379659.11	1379659.11
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										203 MG/L		NV			
AMMONIA							.1 MG/L		UJ						
CHLORIDE	270 MG/L		NV				750 MG/L		J	297 MG/L		NV			
FLUORIDE	.34 MG/L		NV				.35 MG/L		-	.51 MG/L		NV			
NITRATE	.02 MG/L		UNV				.1 MG/L		UJ	.02 MG/L		UNV			
NITRATE, AS NITROGEN	.02 MG/L		UNV							.02 MG/L		UNV			
PH	.005 MG/L		UNV				.01 MG/L		UJ	7.22 SU		NV			
PHENOLS	.005 MG/L		UNV				.01 MG/L		UJ	.005 MG/L		UNV			
PHOSPHORUS							.028 MG/L		J						
SPECIFIC CONDUCTIVITY										1380 UMHOS/CM		NV			
SULFATE	133 MG/L		NV				144 MG/L		J	136 MG/L		NV			
TOTAL DISSOLVED SOLIDS										715 MG/L		NV			
TOTAL KJELDAHL NITROGEN							.3 MG/L		J						
TOTAL ORGANIC CARBON	2 MG/L		NV							4 MG/L		NV			
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.042 MG/L		NV							.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN							.3 MG/L		J						
INORGANICS															
ALUMINUM	.75 MG/L		NV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.0025 MG/L		UNV	.002 MG/L		UJ									
BARIUM	.2 MG/L		UNV	.254 MG/L		-									
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV	.002 MG/L		U									
CALCIUM	78 MG/L		NV	186 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	3.19 MG/L		NV	.122 MG/L		-									
LEAD	.005 MG/L		UNV	.003 MG/L		J									

SAMPLE NUMBER:	EMGW_SYSGEN_109			003733			003733			EMGW_SYSGEN_110			EMGW_SYSGEN_107		
LAB:	NET			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															
MAGNESIUM	36.8 MG/L		NV	71.2 MG/L		-									
MANGANESE	.402 MG/L		NV	.643 MG/L		-									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U									
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		U									
NICKEL	.005 MG/L		UNV	.02 MG/L		U									
POTASSIUM	1.21 MG/L		NV	.671 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ									
SILVER	.001 MG/L		UNV	.0005 MG/L		U									
SODIUM	182 MG/L		NV	245 MG/L		-									
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.033 MG/L		NV												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238							.3 PCI/L		UJ				.311 PCI/L		NV
URANIUM, TOTAL							1.8 UG/L	.3	J				1.03 UG/L		NV
URANIUM-234							.5 PCI/L	.3	J				.708 PCI/L		NV
THORIUM-230							.7 PCI/L		UJ				1.46 PCI/L		NV
RADIUM-226							1 PCI/L	.1	UJ				1 PCI/L		UNV
URANIUM-235/236							.3 PCI/L		UJ				.224 PCI/L		NV
THORIUM-232							.7 PCI/L		UJ				.28 PCI/L		UNV
THORIUM, TOTAL							6.2 UG/L		UJ				2.6 UG/L		UNV
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UNV
THORIUM-228							.7 PCI/L		UJ				.28 PCI/L		UNV
NEPTUNIUM-237							.5 PCI/L		UJ				.5 PCI/L		UNV
PLUTONIUM-239/240							.5 PCI/L		UJ				.5 PCI/L		UNV
PLUTONIUM-238							.5 PCI/L		UJ				.5 PCI/L		UNV
STRONTIUM-90							1.2 PCI/L		UJ				8.58 PCI/L		NV
TECHNETIUM-99							26 PCI/L		UJ				17 PCI/L		UNV
RUTHENIUM-106							86 PCI/L		R				150 PCI/L		UNV
CESIUM-137							10 PCI/L		R				8.7 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			

SAMPLE NUMBER:	EMGW_SYSGEN_109			003733			003733			EMGW_SYSGEN_110			EMGW_SYSGEN_107		
LAB:	NET			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-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							2 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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_107	EMGW_SYSGEN_107D	EMGW_SYSGEN_108	EMGW_SYSGEN_108	111990
TASK:	GWMON	GWMON	GWMON	GWMON	20.03.05
LAB:	WMCO	IT	IT	NET	IT
WELL OR BORING NUMBER:	1039	1039	1039	1039	1039
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-APR-90	23-APR-90	26-JUN-90	26-JUN-90	28-APR-93
NORTH COORDINATE:	480729.12	480729.12	480729.12	480729.12	480729.12
EAST COORDINATE:	1379659.11	1379659.11	1379659.11	1379659.11	1379659.11
QA TYPE:	NORMAL	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_107			
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										271 MG/L		NV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
SULFATE										154 MG/L		NV			
TOTAL ORGANIC CARBON										1 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM													.0711 MG/L		U
ANTIMONY													.001 MG/L		U
ARSENIC													.001 MG/L		U
BARIUM													.126 MG/L		-
BERYLLIUM													.0028 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													118 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.003 MG/L		U
COPPER													.0037 MG/L		U
IRON													.509 MG/L		-
LEAD													.001 MG/L		U
MAGNESIUM													44.9 MG/L		-
MANGANESE													.418 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.0051 MG/L		-
NICKEL													.0037 MG/L		-
POTASSIUM													.654 MG/L		U
SELENIUM													.001 MG/L		U
SILICON													5.68 MG/L		-
SILVER													.002 MG/L		U
SODIUM													157 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.0118 MG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_107			EMGW_SYSGEN_107D			EMGW_SYSGEN_108			EMGW_SYSGEN_108			111990		
LAB:	WMCO			IT			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															
ZINC													.0035 MG/L		-
RADIONUCLIDES															
URANIUM-238	.52 PCI/L		NV	.367 PCI/L		NV	.416 PCI/L		NV				.416 PCI/L	.192	J
URANIUM, TOTAL	1.57 UG/L		NV	1.03 UG/L		NV	1.24 UG/L		NV				1 UG/L		U
URANIUM-234	.2 PCI/L		UNV	.23 PCI/L		NV	.37 PCI/L		NV				.391 PCI/L	.187	J
THORIUM-230				.25 PCI/L		UNV	.247 PCI/L		NV				.251 PCI/L	.155	J
RADIUM-226				1 PCI/L		UNV	1 PCI/L		UNV				1 PCI/L		UJ
URANIUM-235/236				.21 PCI/L		UNV	.21 PCI/L		UNV				.2 PCI/L		UJ
THORIUM-232				.25 PCI/L		UNV	.234 PCI/L		NV				.2 PCI/L		UJ
THORIUM, TOTAL				2.2 UG/L		UNV	2.11 UG/L		NV				.5 UG/L	.37	UJ
RADIUM-228				3 PCI/L		UNV	3 PCI/L		UNV				3 PCI/L		UJ
THORIUM-228				.25 PCI/L		UNV	.948 PCI/L		NV				.209 PCI/L		UJ
NEPTUNIUM-237													.5 PCI/L	.137	U
PLUTONIUM-239/240													.5 PCI/L		UJ
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													1 PCI/L	.515	U
TECHNETIUM-99													15 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													16 PCI/L		UJ
GROSS ALPHA							20 PCI/L		UNV				13.5 PCI/L		UJ
GROSS BETA							97 PCI/L		UNV				10.2 PCI/L		UJ
URANIUM-235	.015 PCI/L		NV	.21 PCI/L		UNV	.21 PCI/L		UNV				.2 PCI/L		UJ
URANIUM-236	.002 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:	EMGW_SYSGEN_107			EMGW_SYSGEN_107D			EMGW_SYSGEN_108			EMGW_SYSGEN_108			111990		
LAB:	WMCO			IT			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															
CHLOROFORM										1 UG/L		UNV			
CHLOROMETHANE										1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE										1 UG/L		UNV			
DIBROMOCHLOROMETHANE										1 UG/L		UNV			
ETHYLBENZENE										3.5 UG/L		NV			
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 1 WELLS

SAMPLE NUMBER:	111990			111990			111990			003778			003778		
TASK:	20.03.05			20.03.05			20.03.05			3.2.4			3.2.4		
LAB:	IT-KNOX			IT			IT/MWL			IT			IT		
WELL OR BORING NUMBER:	1039			1039			1039			1040			1040		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-APR-93			28-APR-93			28-APR-93			07-DEC-88			07-DEC-88		
NORTH COORDINATE:	480729.12			480729.12			480729.12			485833.34			485833.34		
EAST COORDINATE:	1379659.11			1379659.11			1379659.11			1376759.84			1376759.84		
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				250 MG/L		-							4.34 MG/L		J
AMMONIA				.1 MG/L		U							7.5 MG/L		-
CHLORIDE				360.23 MG/L		-							.61 MG/L		-
FLUORIDE				.33 MG/L		-							.012 MG/L		J
NITRATE				.1 MG/L		UR							.017 MG/L		-
PHENOLS				.01 MG/L		U							.02 MG/L		U
PHOSPHORUS				.04 MG/L		-							68.2 MG/L		-
SULFATE				123.4 MG/L		-									
SULFIDE				.5 MG/L		U							4.34 MG/L		J
TOTAL KJELDAHL NITROGEN				.13 MG/L		-									
TOTAL ORGANIC CARBON				1.22 MG/L		-							.05 MG/L		U
TOTAL ORGANIC HALIDES				.0275 MG/L		-							.1 MG/L		U
TOTAL ORGANIC NITROGEN				.13 MG/L		-									
INORGANICS															
ARSENIC										.015 MG/L		-			
BARIUM										.446 MG/L		-			
CADMIUM										.002 MG/L		U			
CALCIUM										75.7 MG/L		-			
CHROMIUM										.02 MG/L		U			
COPPER										.01 MG/L		U			
CYANIDE				.001 MG/L		U									
IRON										3.2 MG/L		-			
LEAD										.002 MG/L		UJ			
MAGNESIUM										23.3 MG/L		-			
MANGANESE										.016 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.028 MG/L		-			
NICKEL										.02 MG/L		U			
POTASSIUM										11.2 MG/L		-			
SELENIUM										.002 MG/L		UJ			

SAMPLE NUMBER:	111990			111990			111990			003778			003778		
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															
SILVER										.0005 MG/L		UJ			
SODIUM										29.1 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
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													2 UG/L		U
RADIUM-228													3 PCI/L		U
THORIUM-228													1 PCI/L		U
NEPTUNIUM-237													1 PCI/L		U

SAMPLE NUMBER:	111990			111990			111990			003778			003778		
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															
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		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:	111990			111990			111990			003778			003778		
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															
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							.017 MG/L		-
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						

SAMPLE NUMBER:	111990			111990			111990			003778			003778		
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															
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 1 WELLS

SAMPLE NUMBER:	003964	003964	EMGW_SYSGEN_116	003218	003218
TASK:	3.2.4	3.2.4	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	1040	1040	1040	1040	1040
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAR-89	15-MAR-89	18-OCT-90	21-MAY-88	21-MAY-88
NORTH COORDINATE:	485833.34	485833.34	485833.34	485833.34	485833.34
EAST COORDINATE:	1376759.84	1376759.84	1376759.84	1376759.84	1376759.84
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							299 MG/L		NV						
AMMONIA				3.9 MG/L		-	4.16 MG/L		NV				2.9 MG/L		J
CHLORIDE				50 MG/L		-	48 MG/L		NV				41.3 MG/L		J
FLUORIDE				.5 MG/L		-	.4 MG/L		NV				.51 MG/L		J
NITRATE				.02 MG/L		R	.02 MG/L		UNV				.1 MG/L		J
NITRATE/NITRITE							.02 MG/L		UNV						
PH				.007 MG/L		-	7.3 SU		NV				.02 MG/L		J
PHENOLS				.007 MG/L		-	.005 MG/L		UNV				.02 MG/L		J
PHOSPHORUS				.12 MG/L		-	.28 MG/L		NV				.17 MG/L		J
SPECIFIC CONDUCTIVITY							684 UMHOS/CM		NV						
SULFATE				2 MG/L		U	8 MG/L		NV				2 MG/L		UJ
TOTAL DISSOLVED SOLIDS							387 MG/L		NV						
TOTAL KJELDAHL NITROGEN				4.2 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				.3 MG/L		-							1.3 MG/L		J
INORGANICS															
ARSENIC	.015 MG/L		-							.2 MG/L		U			
BARIUM	.45 MG/L		-							.444 MG/L		-			
CADMIUM	.005 MG/L		U							.005 MG/L		U			
CALCIUM	84 MG/L		-							76.4 MG/L		-			
CHROMIUM	.02 MG/L		-							.02 MG/L		U			
COPPER	.01 MG/L		U							.01 MG/L		U			
CYANIDE							.005 MG/L		UNV						
IRON	3.2 MG/L		J							2.61 MG/L		-			
LEAD	.002 MG/L		U							.05 MG/L		-			
MAGNESIUM	24 MG/L		-							23.3 MG/L		-			
MANGANESE	.021 MG/L		-							.02 MG/L		U			
MERCURY	.0002 MG/L		UJ							.0002 MG/L		U			

SAMPLE NUMBER:	003964			003964			EMGW_SYSGEN_116			003218			003218		
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															
MOLYBDENUM	.01 MG/L		U							.02 MG/L		U			
NICKEL	.03 MG/L		U							.02 MG/L		U			
POTASSIUM	1.7 MG/L		-							1.31 MG/L		-			
SELENIUM	.005 MG/L		U							.2 MG/L		U			
SILVER	.01 MG/L		U							.021 MG/L		-			
SODIUM	31 MG/L		-							29.8 MG/L		-			
No sort code listed.															
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		UJ
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									
RADIUM-228				3 PCI/L		U							4.5 PCI/L	1.5	-
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						
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						

SAMPLE NUMBER:	003964			003964			EMGW_SYSGEN_116			003218			003218		
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															
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 1 WELLS

SAMPLE NUMBER:	003219			003219			003572			003572			30928-1040-02		
TASK:	3.2.4			3.2.4			3.2.4			3.2.4			50.03.23		
LAB:	IT			IT			IT			IT			TCT		
WELL OR BORING NUMBER:	1040			1040			1040			1040			1040		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-MAY-88			21-MAY-88			25-AUG-88			25-AUG-88			28-SEP-93		
NORTH COORDINATE:	485833.34			485833.34			485833.34			485833.34			485833.34		
EAST COORDINATE:	1376759.84			1376759.84			1376759.84			1376759.84			1376759.84		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:	003218			003218											
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													313 MG/L		-
AMMONIA				3.2 MG/L		J				4.5 MG/L		-	4.2 MG/L		-
CHLORIDE				46.1 MG/L		J				27.5 MG/L		-	45 MG/L		-
FLUORIDE				.72 MG/L		J				1.2 MG/L		-	.47 MG/L		-
NITRATE				.1 MG/L		J				.1 MG/L		U	.02 MG/L		U
NITRATE/NITRITE													.02 MG/L		U
PHENOLS				.01 MG/L		UJ				.01 MG/L		-	.005 MG/L		U
PHOSPHATE													.191 MG/L		-
PHOSPHORUS				.17 MG/L		J				.135 MG/L		-			
SULFATE				5 MG/L		J				2 MG/L		UJ	.5 MG/L		U
SULFIDE													1 MG/L		UJ
TOTAL KJELDAHL NITROGEN													3.87 MG/L		-
TOTAL ORGANIC CARBON													2.2 MG/L		-
TOTAL ORGANIC HALIDES										.05 MG/L		U	28.8 MG/L		J
TOTAL ORGANIC NITROGEN				1.4 MG/L		J				5.5 MG/L		J	.1 MG/L		U
INORGANICS															
ARSENIC	.2 MG/L		U				.122 MG/L		-						
BARIUM	.459 MG/L		-				.422 MG/L		-						
CADMIUM	.005 MG/L		U				.002 MG/L		U						
CALCIUM	78.6 MG/L		-				77 MG/L		-						
CHROMIUM	.02 MG/L		U				.02 MG/L		U						
COPPER	.01 MG/L		U				.01 MG/L		U						
IRON	3.44 MG/L		-				3.31 MG/L		-						
LEAD	.05 MG/L		U				.002 MG/L		UJ						
MAGNESIUM	25.1 MG/L		-				23.3 MG/L		-						
MANGANESE	.021 MG/L		-				.018 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ						
MOLYBDENUM	.024 MG/L		-				.02 MG/L		U						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	1.18 MG/L		-				1.7 MG/L		-						

SAMPLE NUMBER:	003219			003219			003572			003572			30928-1040-02		
LAB:	IT			IT			IT			IT			TCT		
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	.2 MG/L		U				.002 MG/L		U						
SILVER	.01 MG/L		U				.01 MG/L		U						
SODIUM	30.9 MG/L		-				29.5 MG/L		-						
No sort code listed.															
DIBROMOMETHANE													10 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				1.1 PCI/L	.3	-			
THORIUM-230				1 PCI/L		U				1 PCI/L		U			
RADIUM-226				1 PCI/L	.5	UJ				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			
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		R
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

SAMPLE NUMBER:	003219			003219			003572			003572			30928-1040-02		
LAB:	IT			IT			IT			IT			TCT		
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															
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		UNV
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:	30928F1040-02			30928F1040-03			30928F1040-05			30928U1040-02			30928U1040-03		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	TCT			CORE			FERMCO			TCT			CORE		
WELL OR BORING NUMBER:	1040			1040			1040			1040			1040		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-SEP-93			28-SEP-93			28-SEP-93			28-SEP-93			28-SEP-93		
NORTH COORDINATE:	485833.34			485833.34			485833.34			485833.34			485833.34		
EAST COORDINATE:	1376759.84			1376759.84			1376759.84			1376759.84			1376759.84		
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)
INORGANICS															
ALUMINUM	.09 MG/L		U							.09 MG/L		U			
ANTIMONY	.011 MG/L		U							.011 MG/L		U			
ARSENIC	.0201 MG/L		-							.0194 MG/L		-			
BARIUM	.451 MG/L		-							.454 MG/L		-			
BERYLLIUM	.004 MG/L		R							.004 MG/L		R			
CADMIUM	.005 MG/L		U							.005 MG/L		U			
CALCIUM	80.2 MG/L		-							81.1 MG/L		-			
CHROMIUM	.006 MG/L		UJ							.006 MG/L		UJ			
COBALT	.007 MG/L		U							.007 MG/L		U			
COPPER	.008 MG/L		UJ							.0294 MG/L		J			
CYANIDE	.005 MG/L		U							.005 MG/L		U			
IRON	3.58 MG/L		-							3.65 MG/L		-			
LEAD	.001 MG/L		U							.0016 MG/L		-			
MAGNESIUM	23.1 MG/L		-							23.7 MG/L		-			
MANGANESE	.024 MG/L		J							.0178 MG/L		UJ			
MERCURY	.0001 MG/L		U							.0001 MG/L		U			
MOLYBDENUM	.027 MG/L		U							.019 MG/L		U			
NICKEL	.0186 MG/L		U							.011 MG/L		U			
POTASSIUM	1.05 MG/L		-							1.07 MG/L		-			
SELENIUM	.002 MG/L		UJ							.002 MG/L		UJ			
SILICON	6.38 MG/L		J							6.4 MG/L		J			
SILVER	.002 MG/L		U							.0031 MG/L		J			
SODIUM	29.9 MG/L		J							30.8 MG/L		J			
THALLIUM	.001 MG/L		UJ							.001 MG/L		UJ			
VANADIUM	.012 MG/L		U							.012 MG/L		U			
ZINC	.0104 MG/L		-							.0192 MG/L		-			
RADIONUCLIDES															
URANIUM-238				.2 PCI/L	1.6	UJ							.2 PCI/L	1.6	UJ
URANIUM, TOTAL				.1 UG/L	.1	U	.1 UG/L		UNV				.1 UG/L	.1	U
URANIUM-234				.2 PCI/L	.2	UJ							.2 PCI/L	.2	UJ

SAMPLE NUMBER:	30928F1040-02			30928F1040-03			30928F1040-05			30928U1040-02			30928U1040-03		
LAB:	TCT			CORE			FERMCO			TCT			CORE		
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															
THORIUM-230				.2 PCI/L	.2	UJ							.2 PCI/L	.2	UJ
RADIUM-226				1 PCI/L	.4	UJ							1 PCI/L	.4	UJ
URANIUM-235/236				.2 PCI/L	.5	UJ							.2 PCI/L	.5	UJ
THORIUM-232				.2 PCI/L	.3	UJ							.2 PCI/L	.3	UJ
RADIUM-228				3 PCI/L	1	U							3 PCI/L	.9	U
THORIUM-228				.2 PCI/L	.5	UJ							.2 PCI/L	.5	UJ
TECHNETIUM-99				15 PCI/L	6.9	U							15 PCI/L	7.6	U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30928U1040-04	30928U1040-05	003924	003924	EMGW_SYSGEN_121
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	GWMON
LAB:	FERMCO	FERMCO	IT	IT	IT
WELL OR BORING NUMBER:	1040	1040	1041	1041	1041
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-SEP-93	28-SEP-93	01-MAR-89	01-MAR-89	04-MAR-91
NORTH COORDINATE:	485833.34	485833.34	480550.15	480550.15	480550.15
EAST COORDINATE:	1376759.84	1376759.84	1379798.68	1379798.68	1379798.68
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										.2 MG/L		-			
CHLORIDE										230 MG/L		-			
FLUORIDE										.3 MG/L		-			
NITRATE										.02 MG/L		R			
PHENOLS										.005 MG/L		U			
PHOSPHORUS										.02 MG/L		-			
SULFATE										76 MG/L		-			
TOTAL KJELDAHL NITROGEN										.5 MG/L		U			
TOTAL ORGANIC NITROGEN										.3 MG/L		U			
INORGANICS															
ARSENIC							.003 MG/L		U						
BARIUM							.14 MG/L		-						
CADMIUM							.007 MG/L		-						
CALCIUM							180 MG/L		-						
CHROMIUM							.03 MG/L		-						
COPPER							.01 MG/L		U						
IRON							.04 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							70 MG/L		-						
MANGANESE							.61 MG/L		-						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		-						
NICKEL							.03 MG/L		U						
POTASSIUM							.5 MG/L		-						
SELENIUM							.005 MG/L		U						
SILVER							.01 MG/L		U						
SODIUM							41 MG/L		-						
RADIONUCLIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30928U1040-04			30928U1040-05			003924			003924			EMGW_SYSGEN_121		
LAB:	FERMCO			FERMCO			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)
RADIONUCLIDES															
URANIUM, TOTAL				.1 UG/L		UNV				8 UG/L	1	-	12.4 UG/L		NV
URANIUM-234										2.4 PCI/L	.6	R	3.73 PCI/L		NV
THORIUM-230										1.4 PCI/L	.7	-	.32 PCI/L		UNV
RADIUM-226										1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236										1 PCI/L		U	.255 PCI/L		NV
THORIUM-232										1 PCI/L		U	.32 PCI/L		UNV
THORIUM, TOTAL										8 UG/L		U	2.9 UG/L		UNV
RADIUM-228										3 PCI/L		UJ	3 PCI/L		UNV
THORIUM-228										1.1 PCI/L	.7	J	.32 PCI/L		UNV
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		U	19 PCI/L		UNV
RUTHENIUM-106										150 PCI/L		R	150 PCI/L		UNV
CESIUM-137										20 PCI/L		R	7.9 PCI/L		UNV
GROSS ALPHA	370 PCI/L		UNV										45.1 PCI/L		NV
GROSS BETA	500 PCI/L		UNV										39.6 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_121	116220	116220	116220	116220
TASK:	GWMON	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	NET	IT	IT/MWL	IT/RSL	ITAS
WELL OR BORING NUMBER:	1041	1041	1041	1041	1041
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAR-91	05-MAY-93	05-MAY-93	05-MAY-93	05-MAY-93
NORTH COORDINATE:	480550.15	480550.15	480550.15	480550.15	480550.15
EAST COORDINATE:	1379798.68	1379798.68	1379798.68	1379798.68	1379798.68
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	429 MG/L		NV										437.9 MG/L		-
AMMONIA	.04 MG/L		NV										.1 MG/L		U
CHLORIDE	153 MG/L		NV										44.07 MG/L		-
FLUORIDE	.25 MG/L		NV										.23 MG/L		-
NITRATE	.02 MG/L		NV										.1 MG/L		UR
NITRATE, AS NITROGEN	.02 MG/L		NV												
PH	6.97 SU		NV				10 UG/L		U				.01 MG/L		U
PHENOLS	.005 MG/L		UNV										.01 MG/L		U
PHOSPHORUS	1.89 MG/L		NV										.22 MG/L		-
SPECIFIC CONDUCTIVITY	1360 UMHOS/CM		NV												
SULFATE	131 MG/L		NV										72.1 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS	732 MG/L		NV												
TOTAL KJELDAHL NITROGEN													.18 MG/L		-
TOTAL ORGANIC CARBON	33 MG/L		NV										1.04 MG/L		-
TOTAL ORGANIC HALIDES													.0302 MG/L		J
TOTAL ORGANIC HALOGENS	.023 MG/L		NV												
TOTAL ORGANIC NITROGEN													.18 MG/L		-
INORGANICS															
ALUMINUM	3.3 MG/L		NV	8.6 MG/L		-									
ANTIMONY	.025 MG/L		UNV	.0029 MG/L		UJ									
ARSENIC	.0025 MG/L		UNV	.0041 MG/L		-									
BARIUM	.384 MG/L		NV	.108 MG/L		-									
BERYLLIUM	.01 MG/L		UNV	.0019 MG/L		-									
CADMIUM	.001 MG/L		UNV	.002 MG/L		U									
CALCIUM	319 MG/L		NV	170 MG/L		-									
CHROMIUM	.162 MG/L		NV	.0323 MG/L		-									
COBALT	.025 MG/L		UNV	.0094 MG/L		-									
COPPER	.025 MG/L		UNV	.0201 MG/L		U									
CYANIDE	.005 MG/L		UNV	.001 MG/L		U									

SAMPLE NUMBER:	EMGW_SYSGEN_121			116220			116220			116220			116220		
LAB:	NET			IT			IT/MWL			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															
IRON	1.56 MG/L		NV	17.6 MG/L		-									
LEAD	.046 MG/L		NV	.0105 MG/L		-									
MAGNESIUM	150 MG/L		NV	65.1 MG/L		-									
MANGANESE	3.83 MG/L		NV	1.21 MG/L		-									
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U									
MOLYBDENUM	.025 MG/L		UNV	.0061 MG/L		U									
NICKEL	.085 MG/L		NV	.0293 MG/L		-									
POTASSIUM	7.26 MG/L		NV	2.99 MG/L		-									
SELENIUM	.0025 MG/L		UNV	.001 MG/L		UJ									
SILICON				17.9 MG/L		-									
SILVER	.001 MG/L		UNV	.002 MG/L		U									
SODIUM	38.8 MG/L		NV	21.5 MG/L		-									
THALLIUM	.01 MG/L		UNV	.001 MG/L		U									
VANADIUM	.413 MG/L		NV	.0274 MG/L		-									
ZINC	.137 MG/L		NV	.0642 MG/L		-									
No sort code listed.															
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		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			
HEPTACHLOR										.05 UG/L		U			

001026

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SAMPLE NUMBER:	EMGW_SYSGEN_121			116220			116220			116220			116220		
LAB:	NET			IT			IT/MWL			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)
PESTICIDES															
HEPTACHLOR EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										5 UG/L		U			
RADIONUCLIDES															
URANIUM-238				3.33 PCI/L	.85	-									
URANIUM, TOTAL				7.8 UG/L	1.11	-									
URANIUM-234				3.02 PCI/L	.79	-									
THORIUM-230				1.37 PCI/L	.45	-									
RADIUM-226				1 PCI/L	.15	UJ									
URANIUM-235/236				.2 PCI/L	.13	UJ									
THORIUM-232				.7423 PCI/L	.293	J									
THORIUM, TOTAL				6.83 UG/L	2.7	-									
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				.78 PCI/L	.31	J									
NEPTUNIUM-237				.14 PCI/L		R									
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				16.4 PCI/L		UJ									
GROSS ALPHA				17.3 PCI/L		UJ									
GROSS BETA				15.3 PCI/L	7.43	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							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		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						

SAMPLE NUMBER:	EMGW_SYSGEN_121			116220			116220			116220			116220		
LAB:	NET			IT			IT/MWL			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															
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							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							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						
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						

SAMPLE NUMBER:	EMGW_SYSGEN_121			116220			116220			116220			116220		
LAB:	NET			IT			IT/MWL			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															
PHENOL	.005 MG/L		UNV				10 UG/L		U				.01 MG/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	2.1 UG/L		NV							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	18.9 UG/L		NV							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	1 UG/L		UNV							10 UG/L		U			
CARBON DISULFIDE	1 UG/L		UNV							10 UG/L		UJ			
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		UJ			
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							10 UG/L		U			
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 1 WELLS

SAMPLE NUMBER:	116221			003490			003490			003180			003180		
TASK:	20.03.05			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1041			1041			1041			1041			1041		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-MAY-93			10-AUG-88			10-AUG-88			11-MAY-88			11-MAY-88		
NORTH COORDINATE:	480550.15			480550.15			480550.15			480550.15			480550.15		
EAST COORDINATE:	1379798.68			1379798.68			1379798.68			1379798.68			1379798.68		
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							.3 MG/L		U				.1 MG/L		UJ
CHLORIDE							170 MG/L		-				495 MG/L		-
FLUORIDE							1.8 MG/L		-				.41 MG/L		J
NITRATE							.12 MG/L		J				.1 MG/L		UR
PHENOLS							.05 MG/L		U				.02 MG/L		J
PHOSPHORUS													.27 MG/L		J
SULFATE							56 MG/L		-				113 MG/L		J
TOTAL KJELDAHL NITROGEN							15 MG/L		U						
TOTAL ORGANIC NITROGEN													.1 MG/L		UJ
INORGANICS															
ALUMINUM	.0872 MG/L		U												
ANTIMONY	.0037 MG/L		UJ												
ARSENIC	.001 MG/L		U	.01 MG/L		U				.2 MG/L		U			
BARIUM	.0972 MG/L		-	.2 MG/L		-				.113 MG/L		-			
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U	.005 MG/L		U				.005 MG/L		U			
CALCIUM	127 MG/L		-	150 MG/L		-				172 MG/L		-			
CHROMIUM	.004 MG/L		U	.01 MG/L		U				.02 MG/L		U			
COBALT	.003 MG/L		U												
COPPER	.002 MG/L		U	.03 MG/L		U				.017 MG/L		-			
CYANIDE	.001 MG/L		UR												
IRON	.0316 MG/L		U	.1 MG/L		U				.21 MG/L		-			
LEAD	.001 MG/L		U	.005 MG/L		U				.05 MG/L		U			
MAGNESIUM	55.5 MG/L		-	61 MG/L		-				70.5 MG/L		-			
MANGANESE	.176 MG/L		-	.36 MG/L		-				.614 MG/L		-			
MERCURY	.0002 MG/L		U	.0003 MG/L		U				.0002 MG/L		UJ			
MOLYBDENUM	.007 MG/L		U	.05 MG/L		U				.02 MG/L		U			
NICKEL	.0118 MG/L		-	.04 MG/L		U				.02 MG/L		U			
POTASSIUM	.434 MG/L		U	5 MG/L		U				.48 MG/L		-			
SELENIUM	.001 MG/L		U	.005 MG/L		U				.02 MG/L		U			

SAMPLE NUMBER:	116221			003490			003490			003180			003180		
LAB:	IT			IT			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															
SILICON	5.37 MG/L		-												
SILVER	.002 MG/L		U	.01 MG/L		U				.06 MG/L		U			
SODIUM	29.8 MG/L		-	26 MG/L		-				28.8 MG/L		-			
THALLIUM	.001 MG/L		U												
VANADIUM	.0081 MG/L		U												
ZINC	.0021 MG/L		U												
RADIONUCLIDES															
URANIUM-238	2.72 PCI/L	.7	-				1.7 PCI/L	.5	J				2.4 PCI/L	.4	-
URANIUM, TOTAL	8.3 UG/L	1.19	-				6 UG/L	1	-				9 UG/L	1	J
URANIUM-234	2.45 PCI/L	.64	-				2.1 PCI/L	.5	J				1.8 PCI/L	.3	-
THORIUM-230	.41 PCI/L		UJ				1 PCI/L		UJ				1.6 PCI/L	.6	-
RADIUM-226	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	.2 PCI/L	.12	U				1 PCI/L		UJ				1 PCI/L		U
THORIUM-232	1.03 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
THORIUM, TOTAL	9.48 UG/L	1.57	UJ				10 UG/L		UJ						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U				3.8 PCI/L	1.4	-
THORIUM-228	1.03 PCI/L		UJ				1 PCI/L		UJ				1.2 PCI/L	.5	-
NEPTUNIUM-237	.45 PCI/L		R				1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-239/240	.5 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
PLUTONIUM-238	.5 PCI/L		UJ				1 PCI/L		UJ				1 PCI/L		U
STRONTIUM-90	1 PCI/L		UJ				5 PCI/L		U				5 PCI/L		U
TECHNETIUM-99	15 PCI/L		UJ				30 PCI/L		U				30 PCI/L		U
RUTHENIUM-106	153 PCI/L		UJ				150 PCI/L		R				150 PCI/L		R
CESIUM-137	15.9 PCI/L		UJ				20 PCI/L		R				20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_120			EMGW_SYSGEN_120			003732			003732			EMGW_SYSGEN_119		
TASK:	GWMON			GWMON			3.2.4			3.2.4			GWMON		
LAB:	IT			NET			IT			IT			NET		
WELL OR BORING NUMBER:	1041			1041			1041			1041			1041		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-DEC-90			17-DEC-90			17-NOV-88			17-NOV-88			20-SEP-90		
NORTH COORDINATE:	480550.15			480550.15			480550.15			480550.15			480550.15		
EAST COORDINATE:	1379798.68			1379798.68			1379798.68			1379798.68			1379798.68		
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				423 MG/L		NV							330 MG/L		NV
AMMONIA				.66 MG/L		NV				.12 MG/L		J			
CHLORIDE				173 MG/L		NV				259 MG/L		J	169 MG/L		NV
FLUORIDE				.22 MG/L		NV				.5 MG/L		-	.77 MG/L		NV
NITRATE				.02 MG/L		UNV				.1 MG/L		R	.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
NITRATE/NITRITE				.02 MG/L		UNV									
PH				6.86 SU		NV				.014 MG/L		J	7.23 SU		NV
PHENOLS				.01 MG/L		UNV				.014 MG/L		J	.005 MG/L		UNV
PHOSPHORUS				2.88 MG/L		NV				.536 MG/L		J			
SPECIFIC CONDUCTIVITY				1430 UMHOS/CM		NV							1360 UMHOS/CM		NV
SULFATE				127 MG/L		NV				116 MG/L		J	132 MG/L		NV
TOTAL DISSOLVED SOLIDS				904 MG/L		NV							920 MG/L		NV
TOTAL KJELDAHL NITROGEN										.82 MG/L		J			
TOTAL ORGANIC CARBON				19 MG/L		NV							14 MG/L		NV
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC HALOGENS				.028 MG/L		NV							.032 MG/L		NV
TOTAL ORGANIC NITROGEN										.7 MG/L		-			
INORGANICS															
ARSENIC							.002 MG/L		U						
BARIUM							.18 MG/L		-						
CADMIUM							.002 MG/L		U						
CALCIUM							196 MG/L		-						
CHROMIUM							.02 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE				.01 MG/L		UNV									
IRON							.572 MG/L		-						
LEAD							.002 MG/L		J						
MAGNESIUM							72.2 MG/L		-						
MANGANESE							.67 MG/L		-						

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SAMPLE NUMBER:	EMGW_SYSGEN_120			EMGW_SYSGEN_120			003732			003732			EMGW_SYSGEN_119		
LAB:	IT			NET			IT			IT			NET		
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															
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.03 MG/L		-						
NICKEL							.026 MG/L		-						
POTASSIUM							.49 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0005 MG/L		U						
SODIUM							32.9 MG/L		-						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV							1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	4.25 PCI/L		NV							2.1 PCI/L	.6	-			
URANIUM, TOTAL	3.16 UG/L		NV							6 UG/L	1	-			
URANIUM-234	4.08 PCI/L		NV							1.4 PCI/L	.4	-			
THORIUM-230	.43 PCI/L		UNV							1 PCI/L		U			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		U			
URANIUM-235/236	.22 PCI/L		NV							1 PCI/L		U			
THORIUM-232	.43 PCI/L		UNV							1 PCI/L		U			
THORIUM, TOTAL	3.9 UG/L		UNV							2 UG/L		U			
RADIUM-228	3 PCI/L		UNV							3 PCI/L		U			
THORIUM-228	.741 PCI/L		NV							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		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA	100 PCI/L		NV												
GROSS BETA	102 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				2.3 UG/L		NV							3.4 UG/L		NV
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_120			EMGW_SYSGEN_120			003732			003732			EMGW_SYSGEN_119		
LAB:	IT			NET			IT			IT			NET		
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-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							2 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									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_117	EMGW_SYSGEN_118	EMGW_SYSGEN_118	003922	003922
TASK:	GWMON	GWMON	GWMON	3.2.4	3.2.4
LAB:	IT	IT	NET	IT	IT
WELL OR BORING NUMBER:	1041	1041	1041	1042	1042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAR-90	28-JUN-90	28-JUN-90	01-MAR-89	01-MAR-89
NORTH COORDINATE:	480550.15	480550.15	480550.15	480388.77	480388.77
EAST COORDINATE:	1379798.68	1379798.68	1379798.68	1379543.28	1379543.28
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													.2 MG/L		-
CHLORIDE							154 MG/L		NV				37 MG/L		U
FLUORIDE													.2 MG/L		-
NITRATE							.02 MG/L		UNV				.49 MG/L		J
NITRATE, AS NITROGEN							.02 MG/L		UNV						
PHENOLS													.025 MG/L		-
PHOSPHORUS													.1 MG/L		-
SULFATE							158 MG/L		NV				100 MG/L		-
TOTAL KJELDAHL NITROGEN													.3 MG/L		U
TOTAL ORGANIC CARBON							5 MG/L		NV						
TOTAL ORGANIC HALOGENS							.022 MG/L		NV						
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ARSENIC										.003 MG/L		U			
BARIUM										.087 MG/L		-			
CADMIUM										.005 MG/L		U			
CALCIUM										120 MG/L		-			
CHROMIUM										.02 MG/L		-			
COPPER										.01 MG/L		U			
IRON										.05 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										47 MG/L		-			
MANGANESE										.029 MG/L		-			
MERCURY										.0002 MG/L		UJ			
MOLYBDENUM										.02 MG/L		-			
NICKEL										.03 MG/L		U			
POTASSIUM										.67 MG/L		-			
SELENIUM										.005 MG/L		U			
SILVER										.01 MG/L		U			
SODIUM										14 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_117			EMGW_SYSGEN_118			EMGW_SYSGEN_118			003922			003922		
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)
RADIONUCLIDES															
URANIUM-238	11.1 PCI/L		NV	.587 PCI/L		NV							9.7 PCI/L	1.5	-
URANIUM, TOTAL	33.5 UG/L		NV	1.71 UG/L		NV							30 UG/L	5	-
URANIUM-234	10.8 PCI/L		NV	.6 PCI/L		NV							9.5 PCI/L	1.5	R
THORIUM-230				1.4 PCI/L		UNV							1 PCI/L		U
RADIUM-226				3.8 PCI/L		NV							1 PCI/L		U
URANIUM-235/236	1.12 PCI/L		NV	.2 PCI/L		UNV							1 PCI/L		U
THORIUM-232				1.4 PCI/L		UNV							1 PCI/L		U
THORIUM, TOTAL				13 UG/L		UNV							3 UG/L		U
RADIUM-228				3 PCI/L		UNV							3 PCI/L		UJ
THORIUM-228				1.97 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		U
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
GROSS ALPHA				56 PCI/L		UNV									
GROSS BETA				94.7 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							5 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						
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						

SAMPLE NUMBER:	EMGW_SYSGEN_117			EMGW_SYSGEN_118			EMGW_SYSGEN_118			003922			003922		
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															
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:	003416			003416			003416			EMGW_SYSGEN_124			EMGW_SYSGEN_124		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT/RSL			IT/RSL			IT			NET		
WELL OR BORING NUMBER:	1042			1042			1042			1042			1042		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-AUG-88			09-AUG-88			09-AUG-88			11-DEC-90			11-DEC-90		
NORTH COORDINATE:	480388.77			480388.77			480388.77			480388.77			480388.77		
EAST COORDINATE:	1379543.28			1379543.28			1379543.28			1379543.28			1379543.28		
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															
ALKALINITY AS CACO3													374 MG/L		NV
AMMONIA							.3 MG/L		U				.02 MG/L		UNV
CHLORIDE							64 MG/L		-				52 MG/L		NV
FLUORIDE							1.4 MG/L		-				.2 MG/L		NV
NITRATE							.24 MG/L		J				.02 MG/L		UNV
NITRATE/NITRITE													.02 MG/L		UNV
PH							.05 MG/L		U				6.89 SU		NV
PHENOLS							.05 MG/L		U				.005 MG/L		UNV
PHOSPHORUS													.08 MG/L		NV
SPECIFIC CONDUCTIVITY													944 UMHOS/CM		NV
SULFATE							80 MG/L		J				96 MG/L		NV
TOTAL DISSOLVED SOLIDS													536 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				.2 MG/L		U									
ANTIMONY				.06 MG/L		U									
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									
CYANIDE													.005 MG/L		
IRON				.3 MG/L		-									
LEAD				.005 MG/L		U									

SAMPLE NUMBER:	003416			003416			003416			EMGW_SYSGEN_124			EMGW_SYSGEN_124		
LAB:	IT			IT/RSL			IT/RSL			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															
MAGNESIUM				36 MG/L		-									
MANGANESE				.12 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									
SODIUM				26 MG/L		-									
THALLIUM				.5 MG/L		U									
VANADIUM				.05 MG/L		U									
ZINC				.14 MG/L		-									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	2.2 PCI/L	.5	-							11.5 PCI/L		NV			
URANIUM, TOTAL	6 UG/L	1	-							28.6 UG/L		NV			
URANIUM-234	2.5 PCI/L	.5	-							10.8 PCI/L		NV			
THORIUM-230	1 PCI/L		U							.574 PCI/L		NV			
RADIUM-226	1 PCI/L		UJ							1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U							.712 PCI/L		NV			
THORIUM-232	1 PCI/L		U							.38 PCI/L		UNV			
THORIUM, TOTAL	3 UG/L		U							3.5 UG/L		UNV			
RADIUM-228	3.4 PCI/L	1.2	J							3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U							1.55 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										13 PCI/L		UNV			
GROSS BETA										20.9 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:	003416			003416			003416			EMGW_SYSGEN_124			EMGW_SYSGEN_124		
LAB:	IT			IT/RSL			IT/RSL			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-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													2 UG/L		UNV
VINYL ACETATE													1 UG/L		UNV
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003182	003182	003723	003723	GW930120-7
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	RCRA
LAB:	IT	IT	IT	IT	CORE
WELL OR BORING NUMBER:	1042	1042	1042	1042	1042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-88	11-MAY-88	17-NOV-88	17-NOV-88	20-JAN-93
NORTH COORDINATE:	480388.77	480388.77	480388.77	480388.77	480388.77
EAST COORDINATE:	1379543.28	1379543.28	1379543.28	1379543.28	1379543.28
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				.5 MG/L		J				.1 MG/L		UJ			
CHLORIDE				59.8 MG/L		-				57.5 MG/L		J			
FLUORIDE				.56 MG/L		J				.48 MG/L		-			
NITRATE				.1 MG/L		UR				.1 MG/L		R			
PHENOLS				.02 MG/L		J				.014 MG/L		J			
PHOSPHORUS				.19 MG/L		J				.872 MG/L		J			
SULFATE				75 MG/L		J				246 MG/L		J			
TOTAL KJELDAHL NITROGEN										.51 MG/L		J			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.1 MG/L		UJ				.51 MG/L		-			
INORGANICS															
ARSENIC	.2 MG/L		U				.002 MG/L		U						
BARIUM	.284 MG/L		-				.248 MG/L		-						
CADMIUM	.005 MG/L		U				.002 MG/L		U						
CALCIUM	92.9 MG/L		-				109 MG/L		-						
CHROMIUM	.02 MG/L		U				.02 MG/L		U						
COPPER	.01 MG/L		U				.01 MG/L		U						
IRON	1.6 MG/L		-				.567 MG/L		-						
LEAD	.05 MG/L		U				.004 MG/L		J						
MAGNESIUM	30.1 MG/L		-				37.4 MG/L		-						
MANGANESE	.205 MG/L		-				.104 MG/L		-						
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U						
MOLYBDENUM	.023 MG/L		U				.022 MG/L		-						
NICKEL	.02 MG/L		U				.02 MG/L		U						
POTASSIUM	.91 MG/L		-				.72 MG/L		-						
SELENIUM	.2 MG/L		U				.002 MG/L		UJ						
SILVER	.01 MG/L		U				.0005 MG/L		U						
SODIUM	25.6 MG/L		-				23.8 MG/L		-						

RADIONUCLIDES

URANIUM-238
09/30/94

				1 PCI/L		U				3.2 PCI/L	.7	-		

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003182			003182			003723			003723			GW930120-7		
LAB:	IT			IT			IT			IT			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															
URANIUM, TOTAL				7 UG/L	1	J				11 UG/L	2	-	33.3 UG/L		NV
URANIUM-234				1 PCI/L		U				3.3 PCI/L	.7	-			
THORIUM-230				1 PCI/L		U				1 PCI/L		U	.5 PCI/L	.2	NV
RADIUM-226				1 PCI/L		U				1 PCI/L		U	1 PCI/L	.3	UNV
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232				1 PCI/L		U				1 PCI/L		U	.2 PCI/L	.1	UNV
THORIUM, TOTAL										5 UG/L		U	1.7 UG/L		NV
RADIUM-228				3 PCI/L		U				3 PCI/L		U	3 PCI/L	1.1	UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		U	.2 PCI/L	.1	UNV
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			
GROSS ALPHA													9.9 PCI/L	2.9	NV
GROSS BETA													6.5 PCI/L	2.7	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930120-7	GW930120-7	GW930120-7	110889	110889
TASK:	RCRA	RCRA	RCRA	20.03.05	20.03.05
LAB:	FERMCO Laboratory	NET	NET	IT	IT
WELL OR BORING NUMBER:	1042	1042	1042	1042	1042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-JAN-93	20-JAN-93	20-JAN-93	22-APR-93	22-APR-93
NORTH COORDINATE:	480388.77	480388.77	480388.77	480388.77	480388.77
EAST COORDINATE:	1379543.28	1379543.28	1379543.28	1379543.28	1379543.28
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															
ALKALINITY AS CACO3							382 MG/L		NV				245 MG/L		J
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.02 MG/L		NV				.1 MG/L		U
BICARBONATE ALKALINITY							464 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							90 MG/L		NV				88.09 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							7.07 SU		NV				.01 MG/L		U
PHENOLS							.01 MG/L		UNV				.01 MG/L		U
PHOSPHORUS							.1 MG/L		UNV				.02 MG/L		U
SPECIFIC CONDUCTIVITY							1210 UMHOS/CM		NV						
SULFATE							153 MG/L		NV				138 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS				654 MG/L		NV									
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC CARBON							8 MG/L		NV				1.4 MG/L		-
TOTAL ORGANIC HALIDES							.01 MG/L		UNV				.01 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		U
TOTAL SOLIDS							718 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.2 MG/L		UNV	.252 MG/L		U			
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV	.005 MG/L		U			
ARSENIC				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ			
BARIUM				.2 MG/L		UNV	.26 MG/L		NV	.0781 MG/L		-			
BERYLLIUM				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U			
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV	.005 MG/L		U			
CALCIUM				138 MG/L		NV	128 MG/L		NV	138 MG/L		J			
CHROMIUM				.0047 MG/L		NV	.0067 MG/L		NV	.01 MG/L		U			

SAMPLE NUMBER:	GW930120-7			GW930120-7			GW930120-7			110889			110889		
LAB:	FERMCO Laboratory			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				.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				.002 MG/L		U
IRON				.16 MG/L		NV	.34 MG/L		NV	.02 MG/L		U			
LEAD				.003 MG/L		UNV	.003 MG/L		UNV	.002 MG/L		UJ			
MAGNESIUM				58.9 MG/L		NV	59 MG/L		NV	56.6 MG/L		J			
MANGANESE				.069 MG/L		NV	.069 MG/L		NV	.0319 MG/L		-			
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		U			
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							1 MG/L		UNV	.753 MG/L		-			
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U			
SILICON										5.28 MG/L		-			
SILVER				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U			
SODIUM							27 MG/L		NV	20.8 MG/L		J			
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV	.002 MG/L		UJ			
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV	.01 MG/L		U			
ZINC				.02 MG/L		UNV	.02 MG/L		UNV	.005 MG/L		U			
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						
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:	GW930120-7	GW930120-7	GW930120-7	110889	110889
LAB:	FERMCO Laboratory	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															
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													11.81 PCI/L	2.64	J
URANIUM, TOTAL	30 UG/L		NV										30.4 UG/L	4.2	-
URANIUM-234													11.02 PCI/L	2.47	J
THORIUM-230													.2 PCI/L		UJ
RADIUM-226													1 PCI/L	.13	UJ
URANIUM-235/236													.7 PCI/L	.26	J
THORIUM-232													.2 PCI/L		UJ
THORIUM, TOTAL													1.55 UG/L	.26	UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228													.24 PCI/L		UJ
NEPTUNIUM-237													.1 PCI/L		R
PLUTONIUM-239/240													.5 PCI/L		UJ
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													3.45 PCI/L	.7	J
TECHNETIUM-99													15 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													17.8 PCI/L		UJ
GROSS ALPHA													27.12 PCI/L	11.6	J
GROSS BETA													8.53 PCI/L		UJ
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER							10 UG/L		UNV						

SAMPLE NUMBER:	GW930120-7			GW930120-7			GW930120-7			110889			110889		
LAB:	FERMCO Laboratory			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															
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:	110889	GW930422-15	GW930422-15	GW930422-15	GW930422-15
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:	1042	1042	1042	1042	1042
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-93	22-APR-93	22-APR-93	22-APR-93	22-APR-93
NORTH COORDINATE:	480388.77	480388.77	480388.77	480388.77	480388.77
EAST COORDINATE:	1379543.28	1379543.28	1379543.28	1379543.28	1379543.28
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													660 MG/L		-
INORGANICS															
CYANIDE													.02 MG/L		U
RADIONUCLIDES															
URANIUM-238				11.8 PCI/L	2.1	J									
URANIUM, TOTAL				39.6 UG/L	2.8	-	28 UG/L		NV	29 UG/L		NV			
URANIUM-234				12 PCI/L	2.2	J									
THORIUM-230				.4 PCI/L	.2	J									
RADIUM-226				1 PCI/L	.1	UJ									
URANIUM-235/236				.6 PCI/L	.4	J									
THORIUM-232				.2 PCI/L	.2	UJ									
RADIUM-228				3 PCI/L	1.2	U									
THORIUM-228				.2 PCI/L	.1	UJ									
TECHNETIUM-99				15.1 PCI/L	9.3	U									
GROSS ALPHA				7.6 PCI/L	2.4	NV									
GROSS BETA				14.1 PCI/L	3.1	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												

SAMPLE NUMBER:	110889			GW930422-15			GW930422-15			GW930422-15			GW930422-15		
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-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												
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												

SAMPLE NUMBER:	110889			GW930422-15			GW930422-15			GW930422-15			GW930422-15		
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															
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		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												

SAMPLE NUMBER:	110889			GW930422-15			GW930422-15			GW930422-15			GW930422-15		
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															
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:	GW930422-15	EMGW_SYSGEN_123	EMGW_SYSGEN_123	EMGW_SYSGEN_122	GW930707-5
TASK:	50.03.23	GWMON	GWMON	GWMON	50.03.23
LAB:	LOCKHEED	IT	NET	IT	CORE
WELL OR BORING NUMBER:	1042	1042	1042	1042	1045
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-APR-93	26-JUN-90	26-JUN-90	26-MAR-90	07-JUL-93
NORTH COORDINATE:	480388.77	480388.77	480388.77	480388.77	477134.7
EAST COORDINATE:	1379543.28	1379543.28	1379543.28	1379543.28	1379751.55
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	450 MG/L		-												
BICARBONATE ALKALINITY	450 MG/L		-												
CARBONATE ALKALINITY	30 MG/L		U												
CHLORIDE							70 MG/L		NV						
NITRATE, AS NITROGEN							.02 MG/L		UNV						
PH	7.9 SU		-												
SPECIFIC CONDUCTIVITY	1100 UMHOS/CM		-												
SULFATE							124 MG/L		NV						
TOTAL ORGANIC CARBON							2 MG/L		NV						
TOTAL ORGANIC HALOGENS							.015 MG/L		NV						
TOTAL SOLIDS	690 MG/L		-												
INORGANICS															
ALUMINUM	.0454 MG/L		U												
ANTIMONY	.027 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.0829 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U												
CALCIUM	149 MG/L		-												
CHROMIUM	.0054 MG/L		-												
COBALT	.005 MG/L		U												
COPPER	.003 MG/L		U												
IRON	.608 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	61.4 MG/L		-												
MANGANESE	.112 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.011 MG/L		U												
NICKEL	.011 MG/L		U												
POTASSIUM	1.37 MG/L		-												

SAMPLE NUMBER:	GW930422-15			EMGW_SYSGEN_123			EMGW_SYSGEN_123			EMGW_SYSGEN_122			GW930707-5		
LAB:	LOCKHEED			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															
SELENIUM	.002 MG/L		UJ												
SILVER	.004 MG/L		U												
SODIUM	21.2 MG/L		-												
THALLIUM	.003 MG/L		UJ												
VANADIUM	.004 MG/L		U												
ZINC	.011 MG/L		U												
RADIONUCLIDES															
URANIUM-238				8.22 PCI/L		NV				10 PCI/L		NV	.8 PCI/L	.2	J
URANIUM, TOTAL				24.5 UG/L		NV				30 UG/L		NV	2.7 UG/L	.2	-
URANIUM-234				7.33 PCI/L		NV				10.2 PCI/L		NV	.7 PCI/L	.3	J
THORIUM-230				.22 PCI/L		UNV							.2 PCI/L	.2	UJ
RADIUM-226				2.3 PCI/L		NV							1 PCI/L	.5	UJ
URANIUM-235/236				.257 PCI/L		NV				.579 PCI/L		NV	.2 PCI/L	.2	UJ
THORIUM-232				.22 PCI/L		UNV							.2 PCI/L	.5	UJ
THORIUM, TOTAL				2 UG/L		UNV							1.8240122 PCI/L	.5	NV
RADIUM-228				3 PCI/L		UNV							3 PCI/L	1.3	UJ
THORIUM-228				1.05 PCI/L		NV							.2 PCI/L	.5	UJ
TECHNETIUM-99													15 PCI/L	7.2	U
GROSS ALPHA				16 PCI/L		UNV									
GROSS BETA				14.2 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						
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						

SAMPLE NUMBER:	GW930422-15			EMGW_SYSGEN_123			EMGW_SYSGEN_123			EMGW_SYSGEN_122			GW930707-5		
LAB:	LOCKHEED			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															
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:	GW930707-5			GW930707-5			GW930707-5			GW930707-5			GW930707-5		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	CORE			FERMCO			FERMCO			TCT			TCT		
WELL OR BORING NUMBER:	1045			1045			1045			1045			1045		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JUL-93			07-JUL-93			07-JUL-93			07-JUL-93			07-JUL-93		
NORTH COORDINATE:	477134.7			477134.7			477134.7			477134.7			477134.7		
EAST COORDINATE:	1379751.55			1379751.55			1379751.55			1379751.55			1379751.55		
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													224 MG/L		-
AMMONIA													.03 MG/L		U
CHLORIDE													1.19 MG/L		-
FLUORIDE													.19 MG/L		-
NITRATE/NITRITE													.591 MG/L		-
PHOSPHATE													.454 MG/L		R
SULFATE													47.5 MG/L		-
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ALUMINUM										.0785 MG/L		U	.0691 MG/L		U
ANTIMONY										.014 MG/L		U	.014 MG/L		U
ARSENIC										.0041 MG/L		-	.0051 MG/L		-
BARIUM										.0529 MG/L		-	.0565 MG/L		-
BERYLLIUM										.005 MG/L		UR	.0062 MG/L		R
CADMIUM										.005 MG/L		U	.005 MG/L		U
CALCIUM										61.8 MG/L		-	61.1 MG/L		-
CHROMIUM										.006 MG/L		UJ	.006 MG/L		UJ
COBALT										.017 MG/L		U	.017 MG/L		U
COPPER										.009 MG/L		U	.0093 MG/L		U
CYANIDE													.005 MG/L		U
IRON										.022 MG/L		U	.022 MG/L		U
LEAD										.0097 MG/L		-	.001 MG/L		-
MAGNESIUM										18.7 MG/L		-	18.7 MG/L		-
MANGANESE										1.25 MG/L		R	.004 MG/L		UR
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										5.94 MG/L		-	6.49 MG/L		-
SELENIUM										.0111 MG/L		J	.0114 MG/L		J

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SAMPLE NUMBER:	GW930707-5			GW930707-5			GW930707-5			GW930707-5			GW930707-5		
LAB:	CORE			FERMCO			FERMCO			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		UJ
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_127			EMGW_SYSGEN_127			066828			EMGW_SYSGEN_128			112000		
TASK:	GWMON			GWMON			9.27			GWMON			20.03.05		
LAB:	IT			NET			IT			NET			IT		
WELL OR BORING NUMBER:	1045			1045			1045			1045			1045		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-APR-90			12-APR-90			13-DEC-89			15-OCT-90			29-APR-93		
NORTH COORDINATE:	477134.7			477134.7			477134.7			477134.7			477134.7		
EAST COORDINATE:	1379751.55			1379751.55			1379751.55			1379751.55			1379751.55		
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										258 MG/L		NV			
AMMONIA										.02 MG/L		UNV			
CHLORIDE				4 MG/L		NV				3 MG/L		NV			
FLUORIDE										.21 MG/L		NV			
NITRATE, AS NITROGEN				.1 MG/L		NV									
NITRATE/NITRITE										.02 MG/L		NV			
PH										6.9 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.27 MG/L		NV			
SPECIFIC CONDUCTIVITY										536 UMHOS/CM		NV			
SULFATE				55 MG/L		NV				48 MG/L		NV			
TOTAL DISSOLVED SOLIDS										345 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													.0556 MG/L		-
ANTIMONY													.0034 MG/L		UJ
ARSENIC													.0034 MG/L		-
BARIUM													.0481 MG/L		J
BERYLLIUM													.0012 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													53.4 MG/L		-
CHROMIUM													.004 MG/L		U
COBALT													.003 MG/L		U
COPPER													.0127 MG/L		U
CYANIDE										.005 MG/L		UNV			
IRON													.0207 MG/L		
LEAD													.001 MG/L		
MAGNESIUM													16.3 MG/L		
MANGANESE													.0041 MG/L		

SAMPLE NUMBER:	EMGW_SYSGEN_127			EMGW_SYSGEN_127			066828			EMGW_SYSGEN_128			112000		
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															
MERCURY													.0002 MG/L		U
MOLYBDENUM													.019 MG/L		U
NICKEL													.003 MG/L		U
POTASSIUM													5.98 MG/L		-
SELENIUM													.0182 MG/L		-
SILICON													10.8 MG/L		-
SILVER													.002 MG/L		U
SODIUM													14.9 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.0175 MG/L		U
ZINC													.0063 MG/L		U
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	2.93 PCI/L		NV				2.15 PCI/L	.4	-				.93 PCI/L	.31	J
URANIUM, TOTAL	8.89 UG/L		NV				10.1 UG/L	1.1	-				2.47 UG/L	.27	-
URANIUM-234	2.49 PCI/L		NV				1.72 PCI/L	.35	-				.2 PCI/L		UJ
THORIUM-230	.875 PCI/L		NV				1 PCI/L		U				.2 PCI/L		UJ
RADIUM-226	1 PCI/L		UNV										1 PCI/L	.15	UJ
URANIUM-235/236	.369 PCI/L		NV				1 PCI/L		U				.2 PCI/L		UJ
THORIUM-232	.49 PCI/L		UNV										.2 PCI/L		UJ
THORIUM, TOTAL	4.4 UG/L		UNV										.66 UG/L	.49	UJ
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UJ
THORIUM-228	.49 PCI/L		UNV				1 PCI/L		U				.2 PCI/L	.1	UJ
NEPTUNIUM-237													.5 PCI/L	.223	UJ
PLUTONIUM-239/240													.5 PCI/L	.11	U
PLUTONIUM-238													.5 PCI/L	.164	UJ
STRONTIUM-90													1 PCI/L		UJ
TECHNETIUM-99							30 PCI/L		U				15 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													17.7 PCI/L		UJ
GROSS ALPHA													4.02 PCI/L		UJ
GROSS BETA													7.04 PCI/L	1.86	J
SEMIVOLATILES															
1,3-DICHLOROBENZENE				1 UG/L		UNV									
1,4-DICHLOROBENZENE				1 UG/L		UNV									
2-CHLOROETHYLVINYL ETHER				60 UG/L		UNV				10 UG/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_127			EMGW_SYSGEN_127			066828			EMGW_SYSGEN_128			112000		
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															
1,1,2,2-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										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				2 UG/L		UNV			
TRICHLOROFLUOROMETHANE										1 UG/L		UNV			
VINYL ACETATE				1 UG/L		UNV				1 UG/L		UNV			
VINYL CHLORIDE															
XYLENES, TOTAL															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	112000	112000	112000	116231	116231
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT/MWL	IT/RSL	IT	ITAS
WELL OR BORING NUMBER:	1045	1045	1045	1046	1046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-APR-93	29-APR-93	29-APR-93	11-MAY-93	11-MAY-93
NORTH COORDINATE:	477134.7	477134.7	477134.7	478054.76	478054.76
EAST COORDINATE:	1379751.55	1379751.55	1379751.55	1379428.51	1379428.51
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													349 MG/L		-
CHLORIDE													2.5 MG/L		-
FLUORIDE													.29 MG/L		-
NITRATE													.34 MG/L		J
PHENOLS													.01 MG/L		U
PHOSPHORUS													.12 MG/L		-
SULFATE													57.72 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
INORGANICS															
ALUMINUM	.543 MG/L		-							2.41 MG/L		-			
ANTIMONY	.0033 MG/L		UJ							.0046 MG/L		UJ			
ARSENIC	.0034 MG/L		-							.0019 MG/L		U			
BARIUM	.0721 MG/L		J							.0729 MG/L		-			
BERYLLIUM	.0017 MG/L		U							.001 MG/L		U			
CADMIUM	.002 MG/L		U							.002 MG/L		U			
CALCIUM	56 MG/L		-							123 MG/L		-			
CHROMIUM	.014 MG/L		U							.006 MG/L		-			
COBALT	.003 MG/L		U							.003 MG/L		U			
COPPER	.0207 MG/L		U							.0117 MG/L		U			
CYANIDE	.001 MG/L		U							.001 MG/L		U			
IRON	.958 MG/L		-							5.48 MG/L		-			
LEAD	.0021 MG/L		-							.0033 MG/L		-			
MAGNESIUM	18 MG/L		-							49.5 MG/L		-			
MANGANESE	.0329 MG/L		-							.169 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.0176 MG/L		U							.0032 MG/L		U			
NICKEL	.0102 MG/L		-							.0089 MG/L		-			
POTASSIUM	4.72 MG/L		-							1.42 MG/L		-			
SELENIUM	.0195 MG/L		-							.001 MG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	112000			112000			112000			116231			116231		
LAB:	IT			IT/MWL			IT/RSL			IT			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															
SILICON	10.8 MG/L		-							9.14 MG/L		-			
SILVER	.002 MG/L		U							.002 MG/L		U			
SODIUM	15.6 MG/L		-							10.8 MG/L		-			
THALLIUM	.001 MG/L		U							.001 MG/L		U			
VANADIUM	.0169 MG/L		-							.0141 MG/L		U			
ZINC	.006 MG/L		U							.0192 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							1.19 PCI/L	.37	-	7.91 PCI/L	1.84	-			
URANIUM, TOTAL							2.91 UG/L	.31	-	18.9 UG/L	2.64	-			
URANIUM-234							1.16 PCI/L	.36	-	7.83 PCI/L	1.82	-			
THORIUM-230							.24 PCI/L	.15	J	.347 PCI/L	.175	J			
RADIUM-226							1 PCI/L		UJ	1 PCI/L		UJ			
URANIUM-235/236							.2 PCI/L		UJ	.479 PCI/L	.237	J			
THORIUM-232							.2 PCI/L	.0593	UJ	.2 PCI/L		UJ			

SAMPLE NUMBER:	112000			112000			112000			116231			116231		
LAB:	IT			IT/MWL			IT/RSL			IT			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, TOTAL							.5 UG/L	.54	UJ	1.23 UG/L	.67	UJ			
RADIUM-228							3 PCI/L		UJ	3 PCI/L		UJ			
THORIUM-228							.2 PCI/L	.11	UJ	.2 PCI/L		UJ			
NEPTUNIUM-237							.5 PCI/L	.22	UJ	.5 PCI/L	.24	UJ			
PLUTONIUM-239/240							.5 PCI/L	.132	U	.5 PCI/L		UJ			
PLUTONIUM-238							.5 PCI/L	.13	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							154 PCI/L		UJ	150 PCI/L		UJ			
CESIUM-137							15.7 PCI/L		UJ	16.8 PCI/L		UJ			
GROSS ALPHA							4.02 PCI/L	3.2	UJ	9.79 PCI/L		UJ			
GROSS BETA							7.35 PCI/L	2.24	J	8.81 PCI/L	5.18	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
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			

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SAMPLE NUMBER:	112000			112000			112000			116231			116231		
LAB:	IT			IT/MWL			IT/RSL			IT			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															
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										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
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									
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:	112000			112000			112000			116231			116231		
LAB:	IT			IT/MWL			IT/RSL			IT			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															
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				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		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930511-11	GW930511-11	GW930511-11	GW930511-11	EMGW_SYSGEN_129
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	GWMON
LAB:	CORE	FERMCO	LOCKHEED	LOCKHEED	IT
WELL OR BORING NUMBER:	1046	1046	1046	1046	1046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93	12-APR-90
NORTH COORDINATE:	478054.76	478054.76	478054.76	478054.76	478054.76
EAST COORDINATE:	1379428.51	1379428.51	1379428.51	1379428.51	1379428.51
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															
ALKALINITY AS CACO3										360 MG/L		-			
BICARBONATE ALKALINITY										360 MG/L		-			
CARBONATE ALKALINITY										30 MG/L		U			
PH										7.9 SU		-			
SPECIFIC CONDUCTIVITY										810 UMHOS/CM		-			
TOTAL DISSOLVED SOLIDS							470 MG/L		-						
TOTAL SOLIDS										500 MG/L		-			
INORGANICS															
ALUMINUM							.024 MG/L		UJ						
ANTIMONY							.027 MG/L		UJ						
ARSENIC							.002 MG/L		U						
BARIUM							.0533 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.002 MG/L		U						
CALCIUM							104 MG/L		-						
CHROMIUM							.004 MG/L		U						
COBALT							.005 MG/L		U						
COPPER							.003 MG/L		U						
CYANIDE							.02 MG/L		U						
IRON							.0079 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							41.6 MG/L		-						
MANGANESE							.0018 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							10.6 MG/L		-						

SAMPLE NUMBER:	GW930511-11			GW930511-11			GW930511-11			GW930511-11			EMGW_SYSGEN_129		
LAB:	CORE			FERMCO			LOCKHEED			LOCKHEED			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															
THALLIUM							.003 MG/L		U						
VANADIUM							.004 MG/L		U						
ZINC							.003 MG/L		U						
RADIONUCLIDES															
URANIUM-238	7.5 PCI/L	1.3	J										1.66 PCI/L		NV
URANIUM, TOTAL	22 UG/L	1.5	-	19 UG/L		NV							5 UG/L		NV
URANIUM-234	6.4 PCI/L	1.2	J										1.74 PCI/L		NV
THORIUM-230	.2 PCI/L	.2	UJ										.945 PCI/L		NV
RADIUM-226	1 PCI/L	.1	UJ										1 PCI/L		UNV
URANIUM-235/236	.2 PCI/L	.3	UJ										.22 PCI/L		UNV
THORIUM-232	.3 PCI/L	.1	J										.551 PCI/L		NV
THORIUM, TOTAL	2.736 PCI/L	.1	NV										4.97 UG/L		NV
RADIUM-228	9.9 PCI/L	1.5	-										3 PCI/L		UNV
THORIUM-228	.2 PCI/L	.1	UJ										.53 PCI/L		UNV
TECHNETIUM-99	15 PCI/L	7.4	U												
GROSS ALPHA	10 PCI/L	2.7	NV												
GROSS BETA	8.5 PCI/L	2.4	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_129	066829	003089	003089	EMGW_SYSGEN_130
TASK:	GWMON	9.27	3.2.4	3.2.4	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	1046	1046	1046	1046	1046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-APR-90	12-DEC-89	13-APR-88	13-APR-88	15-OCT-90
NORTH COORDINATE:	478054.76	478054.76	478054.76	478054.76	478054.76
EAST COORDINATE:	1379428.51	1379428.51	1379428.51	1379428.51	1379428.51
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													358 MG/L		NV
AMMONIA										.1 MG/L		UJ	.02 MG/L		UNV
CHLORIDE	6 MG/L		NV							2.7 MG/L		J	4 MG/L		NV
FLUORIDE										.38 MG/L		-	.79 MG/L		NV
NITRATE	.1 MG/L		NV							.1 MG/L		R	.23 MG/L		NV
NITRATE, AS NITROGEN	.1 MG/L		NV												
NITRATE/NITRITE													.23 MG/L		NV
PH										.02 MG/L		-	6.97 SU		NV
PHENOLS										.02 MG/L		-	.005 MG/L		UNV
PHOSPHORUS										.05 MG/L		UJ	.83 MG/L		NV
SPECIFIC CONDUCTIVITY													732 UMHOS/CM		NV
SULFATE	93 MG/L		NV							12 MG/L		J	66 MG/L		NV
TOTAL DISSOLVED SOLIDS													570 MG/L		NV
TOTAL ORGANIC CARBON	2 MG/L		NV										3 MG/L		NV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.01 MG/L		UNV
TOTAL ORGANIC NITROGEN										.1 MG/L		UJ			
INORGANICS															
ARSENIC							.2 MG/L		UJ						
BARIUM							.119 MG/L		R						
CADMIUM							.002 MG/L		U						
CALCIUM							103 MG/L		J						
CHROMIUM							.02 MG/L		U						
COPPER							.01 MG/L		UJ						
CYANIDE													.005 MG/L		UNV
IRON							.005 MG/L		U						
LEAD							.05 MG/L		UJ						
MAGNESIUM							41.2 MG/L		J						
MANGANESE							.167 MG/L		-						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		U						

001066

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SAMPLE NUMBER:	EMGW_SYSGEN_129			066829			003089			003089			EMGW_SYSGEN_130		
LAB:	NET			IT			IT			IT			NET		
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															
NICKEL							.02 MG/L		U						
POTASSIUM							1.01 MG/L		J						
SELENIUM							.2 MG/L		UJ						
SILVER							.01 MG/L		UJ						
SODIUM							6.89 MG/L		J						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV										1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				1.94 PCI/L	.45	-				79.7 PCI/L	13.5	-			
URANIUM, TOTAL				8.36 UG/L	.88	-				203 UG/L	32	-			
URANIUM-234				2.96 PCI/L	.59	-				62.5 PCI/L	10.8	-			
THORIUM-230				1.76 PCI/L	.54	-				1 PCI/L	.5	J			
RADIUM-226										1 PCI/L		R			
URANIUM-235/236				1 PCI/L		U				3.8 PCI/L	1.3	-			
THORIUM-232										1 PCI/L		UJ			
RADIUM-228										3 PCI/L		R			
THORIUM-228				1.47 PCI/L	.49	J				1.1 PCI/L	.5	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		U				30 PCI/L		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
SEMIVOLATILES															
1,3-DICHLOROBENZENE	1 UG/L		UNV												
1,4-DICHLOROBENZENE	1 UG/L		UNV												
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
1,2-DICHLOROPROPANE	1 UG/L		UNV										1 UG/L		UNV
2-BUTANONE													2 UG/L		UNV
2-HEXANONE													2 UG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_129			066829			003089			003089			EMGW_SYSGEN_130		
LAB:	NET			IT			IT			IT			NET		
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															
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 1 WELLS

SAMPLE NUMBER:	003854	003854	003649	003649	003370
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:	1046	1046	1046	1046	1046
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JAN-89	22-JAN-89	23-OCT-88	23-OCT-88	24-JUL-88
NORTH COORDINATE:	478054.76	478054.76	478054.76	478054.76	478054.76
EAST COORDINATE:	1379428.51	1379428.51	1379428.51	1379428.51	1379428.51
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				1.5 MG/L		U				20 MG/L		-			
FLUORIDE				.3 MG/L		-				.35 MG/L		-			
NITRATE				.06 MG/L		J				.1 MG/L		UJ			
PHENOLS				.01 MG/L		U				.02 MG/L		J			
PHOSPHORUS				.4 MG/L		-				.88 MG/L		-			
SULFATE				120 MG/L		-				65 MG/L		J			
TOTAL KJELDAHL NITROGEN				.2 MG/L		-				.5 MG/L		UJ			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.2 MG/L		-				.5 MG/L		-			
INORGANICS															
ARSENIC	.002 MG/L		U				.002 MG/L		U				.01 MG/L		U
BARIUM	.069 MG/L		-				.102 MG/L		-				.5 MG/L		U
CADMIUM	.008 MG/L		-				.002 MG/L		U				.005 MG/L		U
CALCIUM	122 MG/L		-				99.9 MG/L		-				110 MG/L		-
CHROMIUM	.027 MG/L		-				.02 MG/L		U				.01 MG/L		U
COPPER	.013 MG/L		-				.01 MG/L		U				.01 MG/L		U
IRON	.064 MG/L		-				.051 MG/L		-				.1 MG/L		U
LEAD	.002 MG/L		UJ				.003 MG/L		J				.005 MG/L		U
MAGNESIUM	48.6 MG/L		-				37.6 MG/L		-				41 MG/L		-
MANGANESE	.007 MG/L		-				.057 MG/L		-				.06 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U				.05 MG/L		U
NICKEL	.024 MG/L		-				.02 MG/L		U				.03 MG/L		U
POTASSIUM	1 MG/L		-				1.12 MG/L		-				10 MG/L		-
SELENIUM	.005 MG/L		U				.002 MG/L		J				.005 MG/L		UJ
SILVER	.0005 MG/L		U				.0005 MG/L		U				.01 MG/L		U
SODIUM	9.98 MG/L		-				6.5 MG/L		-				11 MG/L		-

RADIONUCLIDES															
URANIUM-238				1.9 PCI/L	.4	-				2.3 PCI/L	.5	J			
09/30/94															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	003854			003854			003649			003649			003370		
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)
RADIONUCLIDES															
URANIUM, TOTAL				6 UG/L	1	-				6 UG/L	1	-			
URANIUM-234				2.4 PCI/L	.5	-				2 PCI/L	.5	J			
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				4 UG/L		UJ			
RADIUM-228				3.3 PCI/L		UJ				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		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 1 WELLS

SAMPLE NUMBER:	003370	113312	066830	EMGW_SYSGEN_132	EMGW_SYSGEN_131
TASK:	3.2.4	20.03.05	9.27	GWMON	GWMON
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	1046	1046	1047	1047	1047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUL-88	28-MAY-93	12-DEC-89	15-OCT-90	16-APR-90
NORTH COORDINATE:	478054.76	478054.76	478258.45	478258.45	478258.45
EAST COORDINATE:	1379428.51	1379428.51	1379062.49	1379062.49	1379062.49
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										376 MG/L		NV			
AMMONIA	.02 MG/L		U	.1 MG/L		U				.56 MG/L		NV			
CHLORIDE	21 MG/L		J							6 MG/L		NV			
FLUORIDE	.33 MG/L		J							1.64 MG/L		NV			
NITRATE	.31 MG/L		J							.02 MG/L		NV			
NITRATE/NITRITE										.02 MG/L		NV			
PH	.002 MG/L		U	.13 MG/L		UJ				7.13 SU		NV			
PHENOLS	.002 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.1 MG/L		-	.13 MG/L		UJ				1.71 MG/L		NV			
SPECIFIC CONDUCTIVITY										819 UMHOS/CM		NV			
SULFATE	89 MG/L		-							149 MG/L		NV			
TOTAL DISSOLVED SOLIDS										650 MG/L		NV			
TOTAL ORGANIC CARBON				1.1 MG/L		-				2 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.05 MG/L		R	.19 MG/L		-									
INORGANICS															
CYANIDE										.005 MG/L		UNV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	2 PCI/L	.4	J				2.81 PCI/L	.63	-				2.63 PCI/L		NV
URANIUM, TOTAL	6 UG/L	1	-				10.3 UG/L	1.1	-				7.97 UG/L		NV
URANIUM-234	2.8 PCI/L	.5	J				3.99 PCI/L	.79	-				4.03 PCI/L		NV
THORIUM-230	1 PCI/L		UJ				1 PCI/L		U				.71 PCI/L		UNV
RADIUM-226	1 PCI/L		U										2.89 PCI/L		NV
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		U				.301 PCI/L		NV

SAMPLE NUMBER:	003370			113312			066830			EMGW_SYSGEN_132			EMGW_SYSGEN_131		
LAB:	IT			IT			IT			NET			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-232	1 PCI/L		UJ										.849 PCI/L		NV
THORIUM, TOTAL	4 UG/L		UJ										7.66 UG/L		NV
RADIUM-228	3 PCI/L		U										8.06 PCI/L		NV
THORIUM-228	1 PCI/L		UJ				1 PCI/L		U				1.33 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				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				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			
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			

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SAMPLE NUMBER:	003370			113312			066830			EMGW_SYSGEN_132			EMGW_SYSGEN_131		
LAB:	IT			IT			IT			NET			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															
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U				1 UG/L		UNV			
TRICHLOROETHENE				10 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				10 UG/L		U				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_131			003102			003102			003855			003855		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1047			1047			1047			1047			1047		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-APR-90			20-APR-88			20-APR-88			22-JAN-89			22-JAN-89		
NORTH COORDINATE:	478258.45			478258.45			478258.45			478258.45			478258.45		
EAST COORDINATE:	1379062.49			1379062.49			1379062.49			1379062.49			1379062.49		
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	9 MG/L		NV				.5 MG/L		U				1.5 MG/L		U
FLUORIDE							.55 MG/L		J				.8 MG/L		-
NITRATE	.08 MG/L		NV				.16 MG/L		J				.05 MG/L		R
NITRATE, AS NITROGEN	.08 MG/L		NV												
PHENOLS							.02 MG/L		-				.01 MG/L		U
PHOSPHORUS							.05 MG/L		U				.4 MG/L		-
SULFATE	177 MG/L		NV				128 MG/L		-				180 MG/L		-
TOTAL KJELDAHL NITROGEN													.2 MG/L		-
TOTAL ORGANIC CARBON	3 MG/L		NV												
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.3 MG/L		-				.2 MG/L		-
INORGANICS															
ARSENIC				.2 MG/L		U				.002 MG/L		U			
BARIUM				.048 MG/L		-				.054 MG/L		-			
CADMIUM				.005 MG/L		U				.009 MG/L		-			
CALCIUM				103 MG/L		-				111 MG/L		-			
CHROMIUM				.02 MG/L		U				.024 MG/L		-			
COPPER				.01 MG/L		U				.011 MG/L		-			
IRON				.066 MG/L		-				.125 MG/L		U			
LEAD				.05 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				50.8 MG/L		-				53.8 MG/L		-			
MANGANESE				.035 MG/L		-				.019 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				.025 MG/L		-			
POTASSIUM				2.73 MG/L		J				2.34 MG/L		-			
SELENIUM				.2 MG/L		U				.002 MG/L		U			
SILVER				.012 MG/L		J				.0005 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_131			003102			003102			003855			003855		
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															
SODIUM				22.3 MG/L		-				29.2 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							2.5 PCI/L	.7	J				2.1 PCI/L	.4	-
URANIUM, TOTAL							6 UG/L	1	R				6 UG/L	1	-
URANIUM-234							3.7 PCI/L	.9	J				3.7 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													3 UG/L		U
RADIUM-228							3 PCI/L		UJ				3.4 PCI/L		UJ
THORIUM-228							1 PCI/L		UJ				1 PCI/L		U
NEPTUNIUM-237							1 PCI/L		R				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															
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												

SAMPLE NUMBER:	EMGW_SYSGEN_131			003102			003102			003855			003855		
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															
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 1 WELLS

SAMPLE NUMBER:	003648	003369	110892	110892	110892
TASK:	3.2.4	3.2.4	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	IT	IT-KNOX	IT
WELL OR BORING NUMBER:	1047	1047	1047	1047	1047
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-88	24-JUL-88	27-APR-93	27-APR-93	27-APR-93
NORTH COORDINATE:	478258.45	478258.45	478258.45	478258.45	478258.45
EAST COORDINATE:	1379062.49	1379062.49	1379062.49	1379062.49	1379062.49
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													360 MG/L		-
AMMONIA													.1 MG/L		U
CHLORIDE													3.85 MG/L		-
FLUORIDE													.47 MG/L		-
NITRATE													.1 MG/L		UR
PHENOLS													.01 MG/L		U
PHOSPHORUS													.64 MG/L		-
SULFATE													166.9 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL KJELDAHL NITROGEN													.41 MG/L		-
TOTAL ORGANIC CARBON													1.19 MG/L		-
TOTAL ORGANIC HALIDES													10 MG/L		U
TOTAL ORGANIC NITROGEN													.41 MG/L		-
INORGANICS															
ALUMINUM							.0827 MG/L		U						
ANTIMONY							.001 MG/L		U						
ARSENIC							.001 MG/L		U						
BARIUM							.0459 MG/L		-						
BERYLLIUM							.0031 MG/L		U						
CADMIUM							.002 MG/L		U						
CALCIUM							112 MG/L		-						
CHROMIUM							.004 MG/L		U						
COBALT							.003 MG/L		U						
COPPER							.0089 MG/L		U						
CYANIDE													.001 MG/L		U
IRON							.0312 MG/L		U						
LEAD							.001 MG/L		U						
MAGNESIUM							50.6 MG/L		-						
MANGANESE							.002 MG/L		U						
MERCURY							.0002 MG/L		U						

SAMPLE NUMBER:	003648			003369			110892			110892			110892		
LAB:	IT			IT			IT			IT-KNOX			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							.0055 MG/L		-						
NICKEL							.003 MG/L		U						
POTASSIUM							1.5 MG/L		-						
SELENIUM							.001 MG/L		UJ						
SILICON							6.22 MG/L		-						
SILVER							.002 MG/L		U						
SODIUM							40.9 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.0099 MG/L		U						
ZINC							.0066 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	3.6 PCI/L	.7	J	3.2 PCI/L	.6	J							1.62 PCI/L	.48	-
URANIUM, TOTAL	11.192168 PCI/L		NV	9 UG/L	2	-							5.36 UG/L	.78	-
URANIUM-234	7.3 PCI/L	1.2	J	7.4 PCI/L	1.1	J							2.33 PCI/L	.64	-

SAMPLE NUMBER:	003648			003369			110892			110892			110892		
LAB:	IT			IT			IT			IT-KNOX			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	1 PCI/L	.4	J	1 PCI/L		UJ							.227 PCI/L	.132	J
RADIUM-226	1 PCI/L		U	1 PCI/L		U							1 PCI/L	.356	UJ
URANIUM-235/236	1 PCI/L		UJ	1 PCI/L		UJ							.2 PCI/L		UJ
THORIUM-232	1.1 PCI/L	.4	J	1 PCI/L		UJ							.2 PCI/L		UJ
THORIUM, TOTAL	10 UG/L	4	-	5 UG/L	3	J							1.12 UG/L	.42	UJ
RADIUM-228	3 PCI/L		U	3 PCI/L		U							5.93 PCI/L	2.77	J
THORIUM-228	1.1 PCI/L	.4	-	1 PCI/L		UJ							.2 PCI/L		UJ
NEPTUNIUM-237	1 PCI/L		UJ	1 PCI/L		UJ							.5 PCI/L	.102	U
PLUTONIUM-239/240	1 PCI/L		UJ	1 PCI/L		UJ							.5 PCI/L		UJ
PLUTONIUM-238	1 PCI/L		UJ	1 PCI/L		UJ							.5 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U	5 PCI/L		U							1 PCI/L		UJ
TECHNETIUM-99	43.7 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													12 PCI/L		UJ
GROSS BETA													11 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			
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			

SAMPLE NUMBER:	003648			003369			110892			110892			110892		
LAB:	IT			IT			IT			IT-KNOX			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															
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			
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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	110892	EMGW_SYSGEN_133	EMGW_SYSGEN_133	066831	EMGW_SYSGEN_134
TASK:	50.03.23	GWMON	GWMON	9.27	GWMON
LAB:	IT/MWL	IT	NET	IT	NET
WELL OR BORING NUMBER:	1047	1048	1048	1048	1048
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-APR-93	16-APR-90	16-APR-90	16-DEC-89	16-OCT-90
NORTH COORDINATE:	478258.45	477477.45	477477.45	477477.45	477477.45
EAST COORDINATE:	1379062.49	1379877.21	1379877.21	1379877.21	1379877.21
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													586 MG/L		NV
AMMONIA													.02 MG/L		UNV
CHLORIDE							9 MG/L		NV				13 MG/L		NV
FLUORIDE													.13 MG/L		NV
NITRATE, AS NITROGEN							.04 MG/L		NV						
NITRATE/NITRITE													.03 MG/L		NV
PH													6.68 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													2.06 MG/L		NV
SPECIFIC CONDUCTIVITY													1540 UMHOS/CM		NV
SULFATE							97 MG/L		NV				82 MG/L		NV
TOTAL DISSOLVED SOLIDS													1230 MG/L		NV
TOTAL ORGANIC CARBON							4 MG/L		NV				6 MG/L		NV
TOTAL ORGANIC HALOGENS							.015 MG/L		NV				.119 MG/L		NV
INORGANICS															
CYANIDE													.005 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				13.5 PCI/L		NV				15 PCI/L	2	-			
URANIUM, TOTAL				40.6 UG/L		NV				52.6 UG/L	8.4	-			
URANIUM-234				13.8 PCI/L		NV				14.2 PCI/L	2	-			
THORIUM-230				1 PCI/L		UNV				2.78 PCI/L	1.13	-			
RADIUM-226				1.04 PCI/L		NV									
URANIUM-235/236				1 PCI/L		UNV				1 PCI/L		U			
THORIUM-232				1 PCI/L		UNV									

SAMPLE NUMBER:	110892			EMGW_SYSGEN_133			EMGW_SYSGEN_133			066831			EMGW_SYSGEN_134		
LAB:	IT/MWL			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				6.39 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.27 PCI/L		NV				2.93 PCI/L	1.16	-			
TECHNETIUM-99										30 PCI/L		U			
SEMIVOLATILES															
1,3-DICHLOROBENZENE							1 UG/L		UNV						
1,4-DICHLOROBENZENE							1 UG/L		UNV						
2-CHLOROETHYLVINYL ETHER							60 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
1,2-DICHLOROPROPANE	10 UG/L		U				1 UG/L		UNV				1 UG/L		UNV
2-BUTANONE	10 UG/L		U										2 UG/L		UNV
2-HEXANONE	10 UG/L		UJ										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				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		UJ				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
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
TRICHLOROETHENE	10 UG/L		U				1 UG/L		UNV				1 UG/L		UNV
TRICHLOROFLUOROMETHANE							1 UG/L		UNV				1 UG/L		UNV
VINYL ACETATE	10 UG/L		U										2 UG/L		UNV
VINYL CHLORIDE	10 UG/L		UJ				1 UG/L		UNV				1 UG/L		UNV

SAMPLE NUMBER:	110892			EMGW_SYSGEN_133			EMGW_SYSGEN_133			066831			EMGW_SYSGEN_134		
LAB:	IT/MWL			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															
XYLENES, TOTAL	10 UG/L		U										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003856			003856			003647			003647			003368		
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:	1048			1048			1048			1048			1048		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JAN-89			22-JAN-89			23-OCT-88			23-OCT-88			24-JUL-88		
NORTH COORDINATE:	477477.45			477477.45			477477.45			477477.45			477477.45		
EAST COORDINATE:	1379877.21			1379877.21			1379877.21			1379877.21			1379877.21		
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				3.5 MG/L		U				12.5 MG/L		-			
FLUORIDE				.3 MG/L		-				.5 MG/L		-			
NITRATE				.05 MG/L		R				.338 MG/L		J			
PHENOLS				.01 MG/L		U				.01 MG/L		UJ			
PHOSPHORUS				.6 MG/L		-				.22 MG/L		-			
SULFATE				59 MG/L		-				69 MG/L		J			
TOTAL KJELDAHL NITROGEN				.5 MG/L		-				.36 MG/L		UJ			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.5 MG/L		-				.36 MG/L		-			
INORGANICS															
ARSENIC	.002 MG/L		U				.002 MG/L		U				.01 MG/L		U
BARIUM	.071 MG/L		-				.101 MG/L		-				.5 MG/L		U
CADMIUM	.003 MG/L		-				.002 MG/L		U				.005 MG/L		U
CALCIUM	51.8 MG/L		-				103 MG/L		-				110 MG/L		-
CHROMIUM	.015 MG/L		-				.02 MG/L		U				.01 MG/L		U
COPPER	.011 MG/L		-				.01 MG/L		U				.01 MG/L		U
IRON	.153 MG/L		-				.061 MG/L		-				.1 MG/L		U
LEAD	.002 MG/L		UJ				.004 MG/L		J				.005 MG/L		U
MAGNESIUM	15.4 MG/L		-				48.3 MG/L		-				63 MG/L		-
MANGANESE	.005 MG/L		-				.003 MG/L		-				.02 MG/L		-
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U				.05 MG/L		U
NICKEL	.02 MG/L		U				.02 MG/L		U				.03 MG/L		U
POTASSIUM	5.43 MG/L		-				3.42 MG/L		-				4.5 MG/L		-
SELENIUM	.002 MG/L		U				.002 MG/L		UJ				.005 MG/L		UJ
SILVER	.0005 MG/L		U				.0005 MG/L		U				.01 MG/L		U
SODIUM	9.85 MG/L		-				22.5 MG/L		-				31 MG/L		-

RADIONUCLIDES

URANIUM-238 6.9 PCI/L 1.1 - 4 PCI/L 1 J
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003856			003856			003647			003647			003368		
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)
RADIONUCLIDES															
URANIUM, TOTAL				21 UG/L	4	-				15 UG/L	3	-			
URANIUM-234				6.6 PCI/L	1	-				4.5 PCI/L	1	J			
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	2	-				5 UG/L	3	J			
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		U				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 1 WELLS

SAMPLE NUMBER:	003368			003132			003132			110900			110900		
TASK:	3.2.4			3.2.4			3.2.4			20.03.05			20.03.05		
LAB:	IT			IT			IT			IT			IT-KNOX		
WELL OR BORING NUMBER:	1048			1048			1048			1048			1048		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JUL-88			27-APR-88			27-APR-88			28-APR-93			28-APR-93		
NORTH COORDINATE:	477477.45			477477.45			477477.45			477477.45			477477.45		
EAST COORDINATE:	1379877.21			1379877.21			1379877.21			1379877.21			1379877.21		
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	.02 MG/L		U				.1 MG/L		UJ						
CHLORIDE	16 MG/L		J				45.6 MG/L		-						
FLUORIDE	.41 MG/L		J				.19 MG/L		-						
NITRATE	.41 MG/L		J				.14 MG/L		-						
PHENOLS	.002 MG/L		U				.01 MG/L		U						
PHOSPHORUS	.21 MG/L		-				.44 MG/L		-						
SULFATE	93 MG/L		-				99 MG/L		-						
TOTAL ORGANIC NITROGEN	.05 MG/L		R				.1 MG/L		J						
INORGANICS															
ALUMINUM										.163 MG/L		-			
ANTIMONY										.001 MG/L		U			
ARSENIC				.2 MG/L		U				.001 MG/L		U			
BARIUM				.112 MG/L		-				.201 MG/L		-			
BERYLLIUM										.0036 MG/L		U			
CADMIUM				.0069 MG/L		-				.002 MG/L		U			
CALCIUM				114 MG/L		-				153 MG/L		-			
CHROMIUM				.02 MG/L		U				.004 MG/L		U			
COBALT										.003 MG/L		U			
COPPER				.01 MG/L		U				.0048 MG/L		U			
IRON				.05 MG/L		U				.0514 MG/L		U			
LEAD				.06 MG/L		-				.001 MG/L		U			
MAGNESIUM				80.2 MG/L		-				139 MG/L		-			
MANGANESE				.187 MG/L		-				.378 MG/L		-			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.0045 MG/L		-			
NICKEL				.02 MG/L		U				.0054 MG/L		-			
POTASSIUM				1.68 MG/L		-				1.4 MG/L		-			
SELENIUM				.2 MG/L		U				.001 MG/L		UJ			
SILICON										10.7 MG/L		-			
SILVER				.077 MG/L		U				.002 MG/L		U			

SAMPLE NUMBER:	003368			003132			003132			110900			110900		
LAB:	IT			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															
SODIUM				18.21 MG/L		-				28.3 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM										.0165 MG/L		U			
ZINC										.0045 MG/L		-			
RADIONUCLIDES															
URANIUM-238	5.3 PCI/L	.8	J				5.6 PCI/L	1	R						
URANIUM, TOTAL	17 UG/L	3	-				19 UG/L	3	R						
URANIUM-234	5.4 PCI/L	.8	J				6.8 PCI/L	1.2	R						
THORIUM-230	1 PCI/L		UJ				1 PCI/L		R						
RADIUM-226	1 PCI/L		UJ				1 PCI/L		R						
URANIUM-235/236	1 PCI/L		UJ				1 PCI/L		R						
THORIUM-232	1 PCI/L		UJ				1 PCI/L		R						
THORIUM, TOTAL	4 UG/L		UJ												
RADIUM-228	3 PCI/L		UJ				3 PCI/L		R						
THORIUM-228	1 PCI/L		UJ				1 PCI/L		R						
NEPTUNIUM-237	1 PCI/L		UJ				1 PCI/L		R						
PLUTONIUM-239/240	1 PCI/L		UJ				1 PCI/L		R						
PLUTONIUM-238	1 PCI/L		UJ				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						
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

SAMPLE NUMBER:	003368			003132			003132			110900			110900		
LAB:	IT			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															
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
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		UR
PENTACHLOROPHENOL													25 UG/L		U
PHENANTHRENE													10 UG/L		U
PHENOL	.002 MG/L		U				.01 MG/L		U				10 UG/L		U
PYRENE													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	110900			110900			EMGW_SYSGEN_142			EMGW_SYSGEN_142			EMGW_SYSGEN_142		
TASK:	20.03.05			20.03.05			GWMON			GWMON			GWMON		
LAB:	IT			IT/MWL			NET			NET			WMCO		
WELL OR BORING NUMBER:	1048			1048			1052			1052			1052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-APR-93			28-APR-93			03-OCT-91			03-OCT-91			03-OCT-91		
NORTH COORDINATE:	477477.45			477477.45			482506.58			482506.58			482506.58		
EAST COORDINATE:	1379877.21			1379877.21			1380147.61			1380147.61			1380147.61		
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	790 MG/L		-							356 MG/L		NV			
AMMONIA	.1 MG/L		U							.03 MG/L		NV			
CHLORIDE	7.31 MG/L		-							7 MG/L		NV			
FLUORIDE	.35 MG/L		-							1.04 MG/L		NV			
NITRATE	.1 MG/L		UR							.08 MG/L		NV			
NITRATE, AS NITROGEN										.08 MG/L		NV			
PH	.01 MG/L		U							7.33 SU		NV			
PHENOLS	.01 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.08 MG/L		-							.21 MG/L		NV			
SPECIFIC CONDUCTIVITY										728 UMHOS/CM		NV			
SULFATE	110.4 MG/L		-							85 MG/L		NV			
SULFIDE	.5 MG/L		U												
TOTAL DISSOLVED SOLIDS										426 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.23 MG/L		-												
TOTAL ORGANIC CARBON	2.94 MG/L		-							8 MG/L		NV			
TOTAL ORGANIC HALIDES	62.3 MG/L		-												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.23 MG/L		-												
INORGANICS															
ALUMINUM							.2 MG/L		UNV	.54 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							100 MG/L		NV	110 MG/L		NV			
CHROMIUM										.0023 MG/L		NV			
COBALT							.005 MG/L		UNV	.005 MG/L		UNV			
COPPER							.02 MG/L		UNV	.02 MG/L		UNV			
CYANIDE	.001 MG/L		U							.005 MG/L		UNV			

SAMPLE NUMBER:	110900			110900			EMGW_SYSGEN_142			EMGW_SYSGEN_142			EMGW_SYSGEN_142		
LAB:	IT			IT/MWL			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															
IRON							.1 MG/L		UNV	.73 MG/L		NV			
LEAD							.003 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							41 MG/L		NV	44 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		NV			
NICKEL							.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM							1.3 MG/L		NV	1.2 MG/L		NV			
SELENIUM							.005 MG/L		UNV	.005 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							12 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							.02 MG/L		UNV	.02 MG/L		UNV			
No sort code listed.															
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	.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												

SAMPLE NUMBER:	110900			110900			EMGW_SYSGEN_142			EMGW_SYSGEN_142			EMGW_SYSGEN_142		
LAB:	IT			IT/MWL			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)
PESTICIDES															
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238	12.5 PCI/L	2.8	-												
URANIUM, TOTAL	31.1 UG/L	4.2	-										1.3 UG/L		NV
URANIUM-234	11.4 PCI/L	2.6	-												
THORIUM-230	.2 PCI/L	.104	U												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	.56 PCI/L	.257	J												
THORIUM-232	.2 PCI/L		UJ												
THORIUM, TOTAL	.92 UG/L	.15	UJ												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	.2 PCI/L		UJ												
NEPTUNIUM-237	.5 PCI/L	.123	U												
PLUTONIUM-239/240	.5 PCI/L		UJ												
PLUTONIUM-238	.5 PCI/L	.102	UJ												
STRONTIUM-90	1.19 PCI/L	.525	J												
TECHNETIUM-99	15 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	18 PCI/L		UJ												
GROSS ALPHA	20 PCI/L		UJ												
GROSS BETA	14.1 PCI/L	8.12	J												
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				1 UG/L		J				2 UG/L		UNV			
2-HEXANONE				10 UG/L		UJ				2 UG/L		UNV			
4-METHYL-2-PENTANONE				10 UG/L		U				2 UG/L		UNV			
ACETONE				3 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			

SAMPLE NUMBER:	110900			110900			EMGW_SYSGEN_142			EMGW_SYSGEN_142			EMGW_SYSGEN_142		
LAB:	IT			IT/MWL			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				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		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		UJ				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				10 UG/L		U				2 UG/L		UNV			
VINYL CHLORIDE				10 UG/L		UJ				1 UG/L		UNV			
XYLENES, TOTAL				10 UG/L		U				1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003441			003441			003162			003162			066532		
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:	1052			1052			1052			1052			1052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-AUG-88			05-AUG-88			06-MAY-88			06-MAY-88			08-SEP-89		
NORTH COORDINATE:	482506.58			482506.58			482506.58			482506.58			482506.58		
EAST COORDINATE:	1380147.61			1380147.61			1380147.61			1380147.61			1380147.61		
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															
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				4 MG/L		-				5.8 MG/L		-	7.5 MG/L		-
FLUORIDE				1.3 MG/L		-				1.35 MG/L		-	1 MG/L		-
NITRATE				.3 MG/L		J				.1 MG/L		R	.1 MG/L		R
PHENOLS				.04 MG/L		J				.01 MG/L		UJ			
PHOSPHORUS				.2 MG/L		-				.385 MG/L		J			
SULFATE				74 MG/L		U				15 MG/L		-	89.6 MG/L		-
SULFIDE													.5 MG/L		UJ
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL ORGANIC NITROGEN				.3 MG/L		J				.2 MG/L		-			
INORGANICS															
ARSENIC	.01 MG/L		U				.2 MG/L		U						
BARIUM	.2 MG/L		U				.112 MG/L		-						
CADMIUM	.005 MG/L		U				.005 MG/L		U						
CALCIUM	100 MG/L		-				91.5 MG/L		-						
CHROMIUM	.01 MG/L		U				.02 MG/L		U						
COPPER	.03 MG/L		U				.02 MG/L		U						
IRON	.1 MG/L		U				.005 MG/L		U						
LEAD	.005 MG/L		U				.05 MG/L		U						
MAGNESIUM	42 MG/L		-				36.4 MG/L		-						
MANGANESE	.08 MG/L		-				.075 MG/L		-						
MERCURY	.0003 MG/L		U				.0002 MG/L		U						
MOLYBDENUM	.05 MG/L		U				.02 MG/L		U						
NICKEL	.04 MG/L		U				.02 MG/L		U						
POTASSIUM	5 MG/L		U				1.62 MG/L		-						
SELENIUM	.005 MG/L		U				.2 MG/L		U						
SILVER	.01 MG/L		U				.01 MG/L		U						
SODIUM	9 MG/L		-				6.86 MG/L		-						

001094

RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1.2 PCI/L	.5	-	1 PCI/L		U
09/30/94															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003441			003441			003162			003162			066532		
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)
RADIONUCLIDES															
URANIUM, TOTAL				3 UG/L	1	-				2 UG/L	1	-	2 UG/L	1	-
URANIUM-234				1.5 PCI/L	.4	-				1 PCI/L		U	1.1 PCI/L	.3	-
THORIUM-230				1 PCI/L		U				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	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		R			
THORIUM-228				1 PCI/L		U				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				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	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 1 WELLS

SAMPLE NUMBER:	066562	066562	003701	003701	EMGW_SYSGEN_138
TASK:	9.25	9.25	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	1052	1052	1052	1052	1052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-SEP-89	08-SEP-89	09-NOV-88	09-NOV-88	14-NOV-90
NORTH COORDINATE:	482506.58	482506.58	482506.58	482506.58	482506.58
EAST COORDINATE:	1380147.61	1380147.61	1380147.61	1380147.61	1380147.61
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															
1,4-DIOXANE				1000 UG/L		UJ									
GENERAL CHEMISTRY															
AMMONIA										.1 MG/L		UJ			
CHLORIDE										3.8 MG/L		-			
FLUORIDE										.92 MG/L		-			
NITRATE										.037 MG/L		U			
PHENOLS										.015 MG/L		J			
PHOSPHORUS										.026 MG/L		-			
SULFATE										34.8 MG/L		U			
SULFIDE				.5 MG/L		UJ									
TOTAL KJELDAHL NITROGEN										.15 MG/L		UJ			
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC NITROGEN										.15 MG/L		J			
HERBICIDES															
2,4,5-T				5 UG/L		UJ									
2,4,5-TP (SILVEX)				.025 UG/L		UJ									
2,4-D				.05 UG/L		UJ									
INORGANICS															
ALUMINUM	.141 MG/L		-										.5 MG/L		UNV
ANTIMONY	.03 MG/L		U										.025 MG/L		UNV
ARSENIC	.002 MG/L		U				.002 MG/L		-				.003 MG/L		NV
BARIUM	.0623 MG/L		-				.081 MG/L		-				.2 MG/L		UNV
BERYLLIUM	.0012 MG/L		U										.01 MG/L		UNV
CADMIUM	.0054 MG/L		-				.0025 MG/L		U				.001 MG/L		UNV
CALCIUM	113 MG/L		-				105 MG/L		-				46.2 MG/L		NV
CHROMIUM	.024 MG/L		-				.02 MG/L		-						

SAMPLE NUMBER:	066562			066562			003701			003701			EMGW_SYSGEN_138		
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															
COBALT	.01 MG/L		U										.025 MG/L		UNV
COPPER	.01 MG/L		U				.01 MG/L		-				.025 MG/L		UNV
CYANIDE				.005 MG/L		U									
IRON	.0792 MG/L		-				.005 MG/L		-				1.84 MG/L		NV
LEAD	.002 MG/L		U				.002 MG/L		UJ				.005 MG/L		UNV
MAGNESIUM	44 MG/L		-				39.2 MG/L		-				26.2 MG/L		NV
MANGANESE	.0185 MG/L		-				.108 MG/L		-				.02 MG/L		UNV
MERCURY	.0002 MG/L		U				.0002 MG/L		UJ				.0002 MG/L		UNV
MOLYBDENUM							.02 MG/L		-				.025 MG/L		UNV
NICKEL	.0303 MG/L		-				.02 MG/L		-				.005 MG/L		UNV
OSMIUM	.05 MG/L		R												
POTASSIUM	1.42 MG/L		-				1.23 MG/L		J				2.63 MG/L		NV
SELENIUM	.002 MG/L		UJ				.002 MG/L		U				.0025 MG/L		UNV
SILVER	.0117 MG/L		-				.01 MG/L		-				.001 MG/L		UNV
SODIUM	12.8 MG/L		-				7.83 MG/L		-				27.5 MG/L		NV
THALLIUM	.001 MG/L		U										.01 MG/L		UNV
TIN	.03 MG/L		R												
VANADIUM	.0196 MG/L		-										.05 MG/L		UNV
ZINC	.0393 MG/L		-										.02 MG/L		UNV
No sort code listed.															
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		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				5 UG/L		U									
2-NAPHTHYLAMINE				170 UG/L		U									
2-PICOLINE				70 UG/L		U									
3,3'-DIMETHYLBENZIDINE				80 UG/L		U									
3-CHLOROPROPENE				5 UG/L		R									
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				200 UG/L		UJ									

SAMPLE NUMBER:	066562			066562			003701			003701			EMGW_SYSGEN_138		
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)
No sort code listed.															
ACETOPHENONE				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACROLEIN				10 UG/L		U									
ACRYLONITRILE				10 UG/L		UJ									
ANILINE				10 UG/L		U									
ARAMITE				10 UG/L		U									
DIALLATE				10 UG/L		U									
DIBROMOMETHANE				10 UG/L		U									
DICHLORODIFLUOROMETHANE				200 UG/L		R									
DINOSEB				20 UG/L		U									
DIPHENYLAMINE				10 UG/L		U									
ETHYL CYANIDE				100 UG/L		UJ									
ETHYL METHACRYLATE				20 UG/L		U									
ETHYL METHANESULFONATE				10 UG/L		U									
HEXACHLOROPHENE				500 UG/L		R									
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		R									
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		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-1,2-DICHLOROETHENE				5 UG/L		U									
TRANS-1,4-DICHLORO-2-BUTENE				20 UG/L		UJ									
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE				1 UG/L		UJ									
DISULFOTON				1 UG/L		UJ									
FAMPHUR				1 UG/L		UJ									

SAMPLE NUMBER:	066562	066562	003701	003701	EMGW_SYSGEN_138
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)
ORGANOPHOSPHORUS PESTICIDES															
METHYL PARATHION				.05 UG/L		UJ									
PARATHION				.05 UG/L		UJ									
PHORATE				1 UG/L		UJ									
THIONAZIN				1 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									
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				1 UG/L		UJ									
TOXAPHENE				1 UG/L		U									
RADIONUCLIDES															
URANIUM-238										1 PCI/L		U			
URANIUM, TOTAL										2 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										6 UG/L		UJ			
RADIUM-228										3 PCI/L		U			

SAMPLE NUMBER:	066562			066562			003701			003701			EMGW_SYSGEN_138		
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															
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				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		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									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		U									

SAMPLE NUMBER:	066562	066562	003701	003701	EMGW_SYSGEN_138
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															
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				2 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		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				2 UG/L		J				.015 MG/L		J			
PYRENE				10 UG/L		U									
PYRIDINE				50000 UG/L		UJ									
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-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									

SAMPLE NUMBER:	066562			066562			003701			003701			EMGW_SYSGEN_138		
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															
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				2 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				4 UG/L		J									
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		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									
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_138	EMGW_SYSGEN_136	EMGW_SYSGEN_136	EMGW_SYSGEN_136	GW930118-11
TASK:	GWMON	GWMON	GWMON	GWMON	RCRA
LAB:	NET	IT	NET	NET	CORE
WELL OR BORING NUMBER:	1052	1052	1052	1052	1052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-NOV-90	16-MAY-90	16-MAY-90	16-MAY-90	18-JAN-93
NORTH COORDINATE:	482506.58	482506.58	482506.58	482506.58	482506.58
EAST COORDINATE:	1380147.61	1380147.61	1380147.61	1380147.61	1380147.61
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	408 MG/L		NV												
AMMONIA	.1 MG/L		NV												
CHLORIDE	8 MG/L		NV							7 MG/L		NV			
FLUORIDE	.73 MG/L		NV							.82 MG/L		NV			
NITRATE, AS NITROGEN										.04 MG/L		NV			
NITRATE/NITRITE	.09 MG/L		NV												
PH	7.34 SU		NV							4 UG/L		UNV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS	1.37 MG/L		NV												
SPECIFIC CONDUCTIVITY	877 UMHOS/CM		NV												
SULFATE	97 MG/L		NV							83 MG/L		NV			
TOTAL DISSOLVED SOLIDS	670 MG/L		NV												
TOTAL ORGANIC CARBON	6 MG/L		NV							8 MG/L		NV			
TOTAL ORGANIC HALOGENS	-.01 MG/L		UNV							.01 MG/L		UNV			
INORGANICS															
ALUMINUM	8.07 MG/L		NV				.05 MG/L		UNV	.249 MG/L		NV			
ANTIMONY	.025 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.012 MG/L		NV				.0025 MG/L		UNV	.0025 MG/L		UNV			
BARIUM	.225 MG/L		NV				.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	82.6 MG/L		NV				103 MG/L		NV	112 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			
COPPER	.049 MG/L		NV				.025 MG/L		UNV	.025 MG/L		UNV			
CYANIDE	.005 MG/L		UNV							.005 MG/L		UNV			
IRON	33.5 MG/L		NV				.05 MG/L		UNV	1.63 MG/L		NV			
LEAD	.029 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	38 MG/L		NV				31 MG/L		NV	39 MG/L		NV			
MANGANESE	.542 MG/L		NV				.02 MG/L		UNV	.026 MG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_138			EMGW_SYSGEN_136			EMGW_SYSGEN_136			EMGW_SYSGEN_136			GW930118-11		
LAB:	NET			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															
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM	.025 MG/L		NV				.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL	.062 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV			
POTASSIUM	12 MG/L		NV				1.46 MG/L		NV	1.42 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	29.8 MG/L		NV				13.6 MG/L		NV	14.2 MG/L		NV			
THALLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM	.094 MG/L		NV				.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.099 MG/L		NV				.02 MG/L		UNV	.02 MG/L		UNV			
No sort code listed.															
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			
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 .252 PCI/L NV
09/30/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_138			EMGW_SYSGEN_136			EMGW_SYSGEN_136			EMGW_SYSGEN_136			GW930118-11		
LAB:	NET			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)
RADIONUCLIDES															
URANIUM, TOTAL				1 UG/L		UNV							2.9 UG/L		UNV
URANIUM-234				.386 PCI/L		NV									
THORIUM-230				.372 PCI/L		NV							.2 PCI/L	.1	UNV
RADIUM-226				1 PCI/L		UNV							1 PCI/L	.3	UNV
URANIUM-235/236				.2 PCI/L		UNV									
THORIUM-232				.36 PCI/L		UNV							.2 PCI/L	.1	UNV
THORIUM, TOTAL				3.2 UG/L		UNV							.8 UG/L		UNV
RADIUM-228				3 PCI/L		UNV							3 PCI/L	1.3	UNV
THORIUM-228				.558 PCI/L		NV							.3 PCI/L	.2	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				9.1 PCI/L		UNV									
GROSS ALPHA				7.8 PCI/L		UNV							3.9 PCI/L	2.6	NV
GROSS BETA				31.5 PCI/L		NV							9.4 PCI/L	3.3	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-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			

SAMPLE NUMBER:	EMGW_SYSGEN_138			EMGW_SYSGEN_136			EMGW_SYSGEN_136			EMGW_SYSGEN_136			GW930118-11		
LAB:	NET			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)
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							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			

SAMPLE NUMBER:	EMGW_SYSGEN_138			EMGW_SYSGEN_136			EMGW_SYSGEN_136			EMGW_SYSGEN_136			GW930118-11		
LAB:	NET			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															
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							16.6 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 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 1 WELLS

SAMPLE NUMBER:	GW930118-11			GW930118-11			GW930118-11			EMGW_SYSGEN_141			EMGW_SYSGEN_141		
TASK:	RCRA			RCRA			RCRA			GWMON			GWMON		
LAB:	FERMCO Laboratory			NET			NET			NET			NET		
WELL OR BORING NUMBER:	1052			1052			1052			1052			1052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-JAN-93			18-JAN-93			18-JAN-93			18-JUL-91			18-JUL-91		
NORTH COORDINATE:	482506.58			482506.58			482506.58			482506.58			482506.58		
EAST COORDINATE:	1380147.61			1380147.61			1380147.61			1380147.61			1380147.61		
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							398 MG/L		NV				378 MG/L		NV
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.02 MG/L		UNV				.02 MG/L		UNV
BICARBONATE ALKALINITY							512 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							21 MG/L		NV				7 MG/L		NV
FLUORIDE							.7 MG/L		NV				.92 MG/L		NV
NITRATE							.06 MG/L		NV				.1 MG/L		NV
NITRATE, AS NITROGEN													.1 MG/L		NV
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.22 SU		NV				7.3 SU		NV
PHENOLS							.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS							1.54 MG/L		NV				.47 MG/L		NV
SPECIFIC CONDUCTIVITY							1070 UMHOS/CM		NV				804 UMHOS/CM		NV
SULFATE							129 MG/L		NV				87 MG/L		NV
TOTAL DISSOLVED SOLIDS				619 MG/L		NV							444 MG/L		NV
TOTAL ORGANIC CARBON							1 MG/L		NV				3 MG/L		NV
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL SOLIDS							619 MG/L		NV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.38 MG/L		NV	.2 MG/L		UNV	4.29 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	.0113 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
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				99 MG/L		NV	109 MG/L		NV	94 MG/L		NV	130 MG/L		NV
CHROMIUM				.002 MG/L		UNV	.0022 MG/L		NV				.002 MG/L		UNV
COBALT				.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV

SAMPLE NUMBER:	GW930118-11			GW930118-11			GW930118-11			EMGW_SYSGEN_141			EMGW_SYSGEN_141		
LAB:	FERMCO Laboratory			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															
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				.18 MG/L		NV	.42 MG/L		NV	.1 MG/L		UNV	9.31 MG/L		NV
LEAD				.003 MG/L		UNV	.003 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM				52.6 MG/L		NV	59.9 MG/L		NV	43 MG/L		NV	46 MG/L		NV
MANGANESE				.015 MG/L		UNV	.015 MG/L		UNV	.022 MG/L		NV	.196 MG/L		NV
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM				.011 MG/L		NV	.013 MG/L		NV	.01 MG/L		UNV	.018 MG/L		NV
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV	.034 MG/L		NV
POTASSIUM							1.7 MG/L		NV	1.5 MG/L		NV	2.7 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							40 MG/L		NV	25 MG/L		NV	27 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	.05 MG/L		NV	.119 MG/L		NV
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				1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE							20 UG/L		UNV						
RADIONUCLIDES															
URANIUM, TOTAL	3.5 UG/L		UNV												
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
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930118-11			GW930118-11			GW930118-11			EMGW_SYSGEN_141			EMGW_SYSGEN_141		
LAB:	FERMCO Laboratory			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															
1,1,1-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
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_141	EMGW_SYSGEN_135	EMGW_SYSGEN_135	EMGW_SYSGEN_135	066652
TASK:	GWMON	GWMON	GWMON	GWMON	9.27
LAB:	WMCO	IT	NET	NET	IT
WELL OR BORING NUMBER:	1052	1052	1052	1052	1052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUL-91	19-FEB-90	19-FEB-90	19-FEB-90	21-NOV-89
NORTH COORDINATE:	482506.58	482506.58	482506.58	482506.58	482506.58
EAST COORDINATE:	1380147.61	1380147.61	1380147.61	1380147.61	1380147.61
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										8 MG/L		NV			
FLUORIDE										1.13 MG/L		NV			
NITRATE, AS NITROGEN										.07 MG/L		NV			
PHENOLS										.005 MG/L		UNV			
SULFATE										101 MG/L		NV			
TOTAL ORGANIC CARBON										1 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.05 MG/L		UNV	3.33 MG/L		NV			
ARSENIC							.006 MG/L		NV	.008 MG/L		NV			
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CALCIUM							90.8 MG/L		NV	117 MG/L		NV			
CHROMIUM										.033 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.028 MG/L		NV			
IRON							.05 MG/L		UNV	3.97 MG/L		NV			
LEAD							.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							39.6 MG/L		NV	46.4 MG/L		NV			
MANGANESE							.02 MG/L		UNV	.119 MG/L		NV			
NICKEL							.005 MG/L		UNV	.045 MG/L		NV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							218 MG/L		NV	201 MG/L		NV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238				4.1 PCI/L		NV							1 PCI/L		R
URANIUM, TOTAL	1.6 UG/L		NV	12.4 UG/L		NV							2.5 UG/L	.3	R

SAMPLE NUMBER:	EMGW_SYSGEN_141			EMGW_SYSGEN_135			EMGW_SYSGEN_135			EMGW_SYSGEN_135			066652		
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)
RADIONUCLIDES															
URANIUM-234				6.7 PCI/L		NV							1.67 PCI/L	.4	R
THORIUM-230													1 PCI/L		R
URANIUM-235/236													1 PCI/L		R
THORIUM-228													1 PCI/L		R
TECHNETIUM-99				15 PCI/L		UNV							30 PCI/L		R
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 1 WELLS

SAMPLE NUMBER:	066653			066653			066746			066747			066747		
TASK:	9.27			9.27			9.27			9.27			9.27		
LAB:	WMCO			WMCO			IT			WMCO			WMCO		
WELL OR BORING NUMBER:	1052			1052			1052			1052			1052		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-NOV-89			21-NOV-89			21-NOV-89			21-NOV-89			21-NOV-89		
NORTH COORDINATE:	482506.58			482506.58			482506.58			482506.58			482506.58		
EAST COORDINATE:	1380147.61			1380147.61			1380147.61			1380147.61			1380147.61		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			DUPLICATE		
QC OF:							066652			066653			066653		
SUFFIX/FILTERFLAG:	F-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															
CHLORIDE				6 MG/L		NV							6 MG/L		NV
FLUORIDE				.79 MG/L		NV							.95 MG/L		NV
NITRATE				.35 MG/L		NV							.33 MG/L		NV
PHENOLS				.005 MG/L		UNV							.011 MG/L		NV
SULFATE				94 MG/L		NV							78 MG/L		NV
TOTAL ORGANIC CARBON				1 MG/L		NV							1 MG/L		NV
TOTAL ORGANIC HALIDES				.01 MG/L		UNV							.01 MG/L		UNV
INORGANICS															
ALUMINUM	.05 MG/L		UNV	5.2 MG/L		NV				.427 MG/L		NV	5.65 MG/L		NV
ARSENIC	.0025 MG/L		UNV	.005 MG/L		NV				.0025 MG/L		UNV	.005 MG/L		NV
BARIUM	.2 MG/L		UNV	.209 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
CALCIUM	99 MG/L		NV	117 MG/L		NV				114 MG/L		NV	124 MG/L		NV
CHROMIUM	.005 MG/L		UNV	.058 MG/L		NV				.005 MG/L		UNV	.012 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	.025 MG/L		UNV
IRON	.05 MG/L		UNV	6.68 MG/L		NV				.058 MG/L		NV	7.41 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	38.6 MG/L		NV	43.8 MG/L		NV				40.8 MG/L		NV	46.4 MG/L		NV
MANGANESE	.02 MG/L		UNV	.149 MG/L		NV				.02 MG/L		UNV	.164 MG/L		NV
NICKEL	.005 MG/L		UNV	.039 MG/L		NV				.005 MG/L		UNV	.011 MG/L		NV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	20.4 MG/L		NV	25.9 MG/L		NV				30.4 MG/L		NV	27.7 MG/L		NV
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.022 MG/L		NV	.054 MG/L		NV				.02 MG/L		UNV	.061 MG/L		NV
RADIONUCLIDES															
URANIUM-238							1 PCI/L		R						
URANIUM, TOTAL							2.7 UG/L	.3	R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066653			066653			066746			066747			066747		
LAB:	WMCO			WMCO			IT			WMCO			WMCO		
SUFFIX/FILTERFLAG:	F-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)
RADIONUCLIDES															
URANIUM-234							1.91 PCI/L	.53	R						
THORIUM-230							1 PCI/L		R						
URANIUM-235/236							1 PCI/L		R						
THORIUM-228							1 PCI/L		R						
TECHNETIUM-99							30 PCI/L		R						
VOLATILES															
1,1-DICHLOROETHANE				2.5 UG/L		UNV							2.5 UG/L		UNV
1,2-DICHLOROETHANE				2.5 UG/L		UNV							2.5 UG/L		UNV
ACETONE				2.5 UG/L		UNV							2.5 UG/L		UNV
METHYLENE CHLORIDE				2.5 UG/L		UNV							2.5 UG/L		UNV
TETRACHLOROETHENE				2.5 UG/L		UNV							2.5 UG/L		UNV
TOLUENE				2.5 UG/L		UNV							2.5 UG/L		UNV
TRICHLOROETHENE				2.5 UG/L		UNV							2.5 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066421	066421	EMGW_SYSGEN_139	EMGW_SYSGEN_139	EMGW_SYSGEN_139
TASK:	9.25	9.25	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	1052	1052	1052	1052	1052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUN-89	22-JUN-89	25-FEB-91	25-FEB-91	25-FEB-91
NORTH COORDINATE:	482506.58	482506.58	482506.58	482506.58	482506.58
EAST COORDINATE:	1380147.61	1380147.61	1380147.61	1380147.61	1380147.61
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													370 MG/L		NV
AMMONIA													.02 MG/L		UNV
CHLORIDE				2.5 MG/L		-							6 MG/L		NV
FLUORIDE				.94 MG/L		-							.95 MG/L		NV
NITRATE				.15 MG/L		J							.1 MG/L		NV
NITRATE, AS NITROGEN													.1 MG/L		NV
PH													7.34 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.86 MG/L		NV
SPECIFIC CONDUCTIVITY													771 UMHOS/CM		NV
SULFATE				239 MG/L		-							173 MG/L		NV
TOTAL DISSOLVED SOLIDS													520 MG/L		NV
TOTAL ORGANIC CARBON				4.69 MG/L		U							12 MG/L		NV
TOTAL ORGANIC HALIDES				.0078 MG/L		J									
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM	.337 MG/L		-							.05 MG/L		NV	7.89 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC										.0025 MG/L		UNV	.008 MG/L		NV
BARIUM	.106 MG/L		-							.2 MG/L		UNV	.271 MG/L		NV
BERYLLIUM	.001 MG/L		U							.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	99.5 MG/L		-							79 MG/L		NV	137 MG/L		NV
CHROMIUM	.0379 MG/L		-										.005 MG/L		UNV
COBALT	.0131 MG/L		-							.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.0137 MG/L		-							.025 MG/L		UNV	.031 MG/L		NV
CYANIDE													.01 MG/L		UNV
IRON	.258 MG/L		-							.05 MG/L		UNV	26 MG/L		NV
LEAD	.0028 MG/L		-							.005 MG/L		UNV	.011 MG/L		NV
MAGNESIUM	46.2 MG/L		-							40.8 MG/L		NV	66 MG/L		NV

SAMPLE NUMBER:	066421			066421			EMGW_SYSGEN_139			EMGW_SYSGEN_139			EMGW_SYSGEN_139		
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										.02 MG/L		UNV	.456 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.0134 MG/L		-							.005 MG/L		UNV	.036 MG/L		NV
POTASSIUM										2.26 MG/L		NV	4.21 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.017 MG/L		-							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										21.8 MG/L		NV	19.5 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.0329 MG/L		-							.05 MG/L		UNV	.104 MG/L		NV
ZINC	.0421 MG/L		-							.022 MG/L		NV	.115 MG/L		NV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				3.1 PCI/L	.5	-	1.18 PCI/L		NV						
URANIUM, TOTAL				11 UG/L	2	-	2.86 UG/L		NV						
URANIUM-234				6.2 PCI/L	.9	-	1.42 PCI/L		NV						
THORIUM-230				1 PCI/L		U	.518 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		U	.2 PCI/L		UNV						
THORIUM-232							.67 PCI/L		NV						
THORIUM, TOTAL							6.04 UG/L		NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228				1 PCI/L		U	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				30 PCI/L		U	23.5 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							7.8 PCI/L		UNV						
GROSS ALPHA							25.9 PCI/L		NV						
GROSS BETA							24.5 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				5 UG/L		U							1 UG/L		UNV

SAMPLE NUMBER:	066421	066421	EMGW_SYSGEN_139	EMGW_SYSGEN_139	EMGW_SYSGEN_139
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															
1,1-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				29 UG/L		U							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				10 UG/L		U							1 UG/L		UNV
STYRENE													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													1 UG/L		UNV
TRICHLOROETHENE				5 UG/L		U							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:	003909	003909	066930	066934	GW930429-4
TASK:	3.2.4	3.2.4	3.7	3.7	50.03.23
LAB:	IT	IT	IT	IT	CORE
WELL OR BORING NUMBER:	1052	1052	1052	1052	1052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-FEB-89	26-FEB-89	28-AUG-90	28-AUG-90	29-APR-93
NORTH COORDINATE:	482506.58	482506.58	482506.58	482506.58	482506.58
EAST COORDINATE:	1380147.61	1380147.61	1380147.61	1380147.61	1380147.61
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	NORMAL
QC OF:				066930	
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				.3 MG/L		U									
CHLORIDE				5.9 MG/L		U									
FLUORIDE				.9 MG/L		-									
NITRATE				.11 MG/L		-									
PHENOLS				.005 MG/L		-									
PHOSPHORUS				.64 MG/L		-									
SULFATE				85 MG/L		-									
TOTAL KJELDAHL NITROGEN				.7 MG/L		-									
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.4 MG/L		-									
INORGANICS															
ARSENIC	.003 MG/L		U												
BARIUM	.057 MG/L		-												
CADMIUM	.005 MG/L		U												
CALCIUM	110 MG/L		-												
CHROMIUM	.02 MG/L		-												
COPPER	.01 MG/L		U												
IRON	.06 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	42 MG/L		-												
MANGANESE	.009 MG/L		-												
MERCURY	.0002 MG/L		J												
MOLYBDENUM	.02 MG/L		-												
NICKEL	.03 MG/L		U												
POTASSIUM	1.4 MG/L		-												
SELENIUM	.005 MG/L		U												
SILVER	.01 MG/L		U												
SODIUM	84 MG/L		-												

001118

SAMPLE NUMBER:	003909			003909			066930			066934			GW930429-4		
LAB:	IT			IT			IT			IT			CORE		
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				6 UG/L	1	J							2.7 UG/L	.2	-
URANIUM-234				4 PCI/L	.7	-							1.8 PCI/L	.6	-
THORIUM-230				1 PCI/L		U							.2 PCI/L	.1	UJ
RADIUM-226				1 PCI/L		UJ							1 PCI/L	.1	UJ
URANIUM-235/236				1 PCI/L		U							.2 PCI/L	.8	U
THORIUM-232				1 PCI/L		U							.2 PCI/L	.2	UJ
THORIUM, TOTAL				3 UG/L		U									
RADIUM-228				3 PCI/L		UJ							3 PCI/L	1	U
THORIUM-228				1 PCI/L		U							.2 PCI/L	.1	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							15.8 PCI/L	8.4	J
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA													2.7 PCI/L	2.9	UNV
GROSS BETA													2 PCI/L	2.8	UNV
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			
2,4-DINITROTOLUENE							10 UG/L		UJ	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		UJ	50 UG/L		UJ			
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		UJ			
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ	50 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			

SAMPLE NUMBER:	003909			003909			066930			066934			GW930429-4		
LAB:	IT			IT			IT			IT			CORE		
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															
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		UJ	10 UG/L		UJ			
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		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		UJ	10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U	10 UG/L		U			
BUTYL BENZYL PHTHALATE							10 UG/L		UJ	10 UG/L		UJ			
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		UJ	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		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		UJ	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							50 UG/L		U	50 UG/L		U			
PHENANTHRENE							10 UG/L		U	10 UG/L		U			
PHENOL				.005 MG/L			4 UG/L		J	10 UG/L		U			
PYRENE							10 UG/L		UJ	10 UG/L		UJ			
VOLATILES															

001120

1,1,1-TRICHLOROETHANE							5 UG/L		U	5 UG/L		U			
SAMPLE NUMBER:	003909			003909			066930			066934			GW930429-4		
LAB:	IT			IT			IT			IT			CORE		
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							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		U			
2-HEXANONE							10 UG/L		U	10 UG/L		U			
4-METHYL-2-PENTANONE							10 UG/L		U	4 UG/L		J			
ACETONE							10 UG/L		U	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			
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		UJ	5 UG/L		UJ			
METHYLENE CHLORIDE							13 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			
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:	GW930429-4	GW930429-4	GW930429-4	GW930429-4	GW930429-4
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:	1052	1052	1052	1052	1052
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-APR-93	29-APR-93	29-APR-93	29-APR-93	29-APR-93
NORTH COORDINATE:	482506.58	482506.58	482506.58	482506.58	482506.58
EAST COORDINATE:	1380147.61	1380147.61	1380147.61	1380147.61	1380147.61
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													440 MG/L		-
AMMONIA													.098 MG/L		UJ
BICARBONATE ALKALINITY													430 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													7.3 MG/L		-
FLUORIDE													1 MG/L		-
NITRATE/NITRITE													.069 MG/L		-
PH													7.6 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.62 MG/L		-
SPECIFIC CONDUCTIVITY													940 UMHOS/CM		-
SULFATE													99 MG/L		-
TOTAL DISSOLVED SOLIDS										480 MG/L		-			
TOTAL ORGANIC CARBON													1.2 MG/L		-
TOTAL ORGANIC HALIDES													.045 MG/L		U
TOTAL ORGANIC NITROGEN													.098 MG/L		UJ
TOTAL SOLIDS													1400 MG/L		-
INORGANICS															
ALUMINUM										.036 MG/L		U	.354 MG/L		-
ANTIMONY										.031 MG/L		UJ	.031 MG/L		UJ
ARSENIC										.002 MG/L		U	.0035 MG/L		-
BARIUM										.0605 MG/L		-	.0559 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										117 MG/L		J	102 MG/L		J
CHROMIUM										.003 MG/L		U	.003 MG/L		U
COBALT										.008 MG/L		U	.008 MG/L		U
COPPER										.0043 MG/L		U	.004 MG/L		U
CYANIDE										.02 MG/L		U	.02 MG/L		U
IRON										.012 MG/L		U	.531 MG/L		U

001121

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SAMPLE NUMBER:	GW930429-4			GW930429-4			GW930429-4			GW930429-4			GW930429-4		
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															
LEAD										.001 MG/L		U	.001 MG/L		U
MAGNESIUM										54.8 MG/L		J	49.7 MG/L		J
MANGANESE										.002 MG/L		U	.011 MG/L		U
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										1.72 MG/L		-	1.01 MG/L		-
SELENIUM										.002 MG/L		U	.0017 MG/L		-
SILVER										.0043 MG/L		U	.003 MG/L		U
SODIUM										27.9 MG/L		J	24.3 MG/L		J
THALLIUM										.002 MG/L		UJ	.01 MG/L		U
VANADIUM										.007 MG/L		U	.007 MG/L		U
ZINC										.0024 MG/L		U	.0138 MG/L		U
RADIONUCLIDES															
URANIUM-238	1.1 PCI/L	.1	J												
URANIUM, TOTAL	2.8 UG/L	.2	J	2.4 UG/L		UNV	2.4 UG/L		UNV						
URANIUM-234	1.8 PCI/L	.4	J												
THORIUM-230	.2 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.2	U												
URANIUM-235/236	.2 PCI/L	.5	UJ												
THORIUM-232	.2 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	1	U												
THORIUM-228	.2 PCI/L	.1	UJ												
TECHNETIUM-99	15.8 PCI/L	8.4	J												
GROSS ALPHA	0 PCI/L	3.2	UNV												
GROSS BETA	0 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		UJ

SAMPLE NUMBER:	GW930429-4			GW930429-4			GW930429-4			GW930429-4			GW930429-4		
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															
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:	003405			003706			003706			003214			003214		
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:	1053			1053			1053			1053			1053		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-AUG-88			15-NOV-88			15-NOV-88			20-MAY-88			20-MAY-88		
NORTH COORDINATE:	479920.97			479920.97			479920.97			479920.97			479920.97		
EAST COORDINATE:	1380342.06			1380342.06			1380342.06			1380342.06			1380342.06		
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							1.41 MG/L		J				3.5 MG/L		-
CHLORIDE							11 MG/L		J				12.3 MG/L		-
FLUORIDE							.78 MG/L		-				.74 MG/L		-
NITRATE							.1 MG/L		R				.1 MG/L		J
PHENOLS							.01 MG/L		UJ				.04 MG/L		-
PHOSPHORUS							.872 MG/L		-				.74 MG/L		-
SULFATE							103 MG/L		-				101 MG/L		-
TOTAL KJELDAHL NITROGEN							16.1 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN							14.7 MG/L		J				.1 MG/L		U
INORGANICS															
ARSENIC				.002 MG/L		U				.2 MG/L		U			
BARIUM				.145 MG/L		-				.113 MG/L		-			
CADMIUM				.002 MG/L		U				.005 MG/L		U			
CALCIUM				109 MG/L		-				85.7 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.042 MG/L		J				.11 MG/L		-			
LEAD				.002 MG/L		UJ				.05 MG/L		U			
MAGNESIUM				68.4 MG/L		-				70.2 MG/L		-			
MANGANESE				.033 MG/L		-				.02 MG/L		U			
MERCURY				.0002 MG/L		U				.0002 MG/L		U			
MOLYBDENUM				.02 MG/L		U				.04 MG/L		-			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				.55 MG/L		-				1.45 MG/L		-			
SELENIUM				.002 MG/L		UJ				.2 MG/L		U			
SILVER				.01 MG/L		U				.054 MG/L		J			
SODIUM				12.4 MG/L		-				9.74 MG/L		-			

RADIONUCLIDES															
URANIUM-238 10/01/94	16.3 PCI/L	2	J				14.5 PCI/L	2.1	J				12.6 PCI/L	1.5	R
SAMPLE NUMBER:	003405			003706			003706			003214			003214		
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	35 UG/L	6	-				42 UG/L	9	-				37 UG/L	8	J
URANIUM-234	15.9 PCI/L	2	J				14.6 PCI/L	2.1	J				12.2 PCI/L	1.5	R
THORIUM-230	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		R
RADIUM-226	1 PCI/L		R				1.7 PCI/L	.4	-				2.6 PCI/L	.7	-
URANIUM-235/236	1.1 PCI/L	.3	J				1 PCI/L		UJ				1 PCI/L		R
THORIUM-232	1 PCI/L		U				1.1 PCI/L	.6	J				1 PCI/L	.4	R
THORIUM, TOTAL	7 UG/L	3	J				10 UG/L	6	J						
RADIUM-228	3 PCI/L		U				3 PCI/L		U				3 PCI/L		U
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ				2.2 PCI/L	.6	R
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
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ				1 PCI/L		R
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				5 PCI/L		UJ
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		UJ				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 1 WELLS

SAMPLE NUMBER:	003910	003910	EMGW_SYSGEN_147	EMGW_SYSGEN_149	EMGW_SYSGEN_148
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	1053	1053	1053	1053	1053
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-FEB-89	26-FEB-89	26-JUN-90	26-SEP-90	28-JUN-90
NORTH COORDINATE:	479920.97	479920.97	479920.97	479920.97	479920.97
EAST COORDINATE:	1380342.06	1380342.06	1380342.06	1380342.06	1380342.06
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										460 MG/L		NV			
AMMONIA				.4 MG/L		U									
CHLORIDE				6.3 MG/L		U				8 MG/L		NV	7 MG/L		NV
FLUORIDE				.6 MG/L		-				.91 MG/L		NV			
NITRATE				.03 MG/L		-				.02 MG/L		UNV	.52 MG/L		NV
NITRATE, AS NITROGEN										.02 MG/L		UNV	.52 MG/L		NV
PH				.051 MG/L		-				7.01 SU		NV			
PHENOLS				.051 MG/L		-				.006 MG/L		NV			
PHOSPHORUS				.16 MG/L		-									
SPECIFIC CONDUCTIVITY										948 UMHOS/CM		NV			
SULFATE				62 MG/L		-				61 MG/L		NV	69 MG/L		NV
TOTAL DISSOLVED SOLIDS										565 MG/L		NV			
TOTAL KJELDAHL NITROGEN				.8 MG/L		-									
TOTAL ORGANIC CARBON										6 MG/L		NV	3 MG/L		NV
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV	.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.4 MG/L		-									
INORGANICS															
ARSENIC	.003 MG/L		U												
BARIUM	.13 MG/L		-												
CADMIUM	.007 MG/L		-												
CALCIUM	100 MG/L		-												
CHROMIUM	.03 MG/L		-												
COPPER	.01 MG/L		U												
IRON	.05 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	76 MG/L		-												
MANGANESE	.22 MG/L		-												
MERCURY	.0002 MG/L		J												
MOLYBDENUM	.02 MG/L		-												

SAMPLE NUMBER:	003910			003910			EMGW_SYSGEN_147			EMGW_SYSGEN_149			EMGW_SYSGEN_148		
LAB:	IT			IT			IT			NET			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															
NICKEL	.03 MG/L		U												
POTASSIUM	.34 MG/L		U												
SELENIUM	.005 MG/L		U												
SILVER	.01 MG/L		U												
SODIUM	11 MG/L		-												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				19.4 PCI/L	2.6	-	17.3 PCI/L		NV						
URANIUM, TOTAL				53 UG/L	9	J	51.8 UG/L		NV						
URANIUM-234				20 PCI/L	2.7	-	18.2 PCI/L		NV						
THORIUM-230				1 PCI/L		U	1.84 PCI/L		NV						
RADIUM-226				1.3 PCI/L	.3	J	1 PCI/L		UNV						
URANIUM-235/236				1 PCI/L		U	.939 PCI/L		NV						
THORIUM-232				1 PCI/L		U	.31 PCI/L		UNV						
THORIUM, TOTAL				3 UG/L	2	-	2.8 UG/L		UNV						
RADIUM-228				3 PCI/L		UJ	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		U	1.23 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							35.1 PCI/L		NV						
GROSS BETA							46.2 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

SAMPLE NUMBER:	003910			003910			EMGW_SYSGEN_147			EMGW_SYSGEN_149			EMGW_SYSGEN_148		
LAB:	IT			IT			IT			NET			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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_146			003403			EMGW_SYSGEN_152			EMGW_SYSGEN_152			003704		
TASK:	GWMON			3.2.4			GWMON			GWMON			3.2.4		
LAB:	IT			IT			IT			NET			IT		
WELL OR BORING NUMBER:	1053			1054			1054			1054			1054		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-MAR-90			07-AUG-88			10-DEC-90			10-DEC-90			15-NOV-88		
NORTH COORDINATE:	479920.97			480050.26			480050.26			480050.26			480050.26		
EAST COORDINATE:	1380342.06			1381524.14			1381524.14			1381524.14			1381524.14		
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										303 MG/L		NV			
AMMONIA										.02 MG/L		UNV			
CHLORIDE										20 MG/L		NV			
FLUORIDE										.25 MG/L		NV			
NITRATE/NITRITE										12.9 MG/L		NV			
PH										6.61 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.18 MG/L		NV			
SPECIFIC CONDUCTIVITY										760 UMHOS/CM		NV			
SULFATE										86 MG/L		NV			
TOTAL DISSOLVED SOLIDS										616 MG/L		NV			
TOTAL ORGANIC CARBON										1 MG/L		UNV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ARSENIC													.002 MG/L		U
BARIUM													.124 MG/L		-
CADMIUM													.004 MG/L		-
CALCIUM													126 MG/L		-
CHROMIUM													.02 MG/L		U
COPPER													.01 MG/L		U
CYANIDE										.005 MG/L		UNV			
IRON													.005 MG/L		U
LEAD													.002 MG/L		UJ
MAGNESIUM													45.1 MG/L		-
MANGANESE													.045 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.053 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													2.2 MG/L		-
SELENIUM													.002 MG/L		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_146			003403			EMGW_SYSGEN_152			EMGW_SYSGEN_152			003704		
LAB:	IT			IT			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															
SILVER													.01 MG/L		U
SODIUM													24.5 MG/L		-
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	18.1 PCI/L		NV	62.9 PCI/L	8.4	J	17.4 PCI/L		NV						
URANIUM, TOTAL	54.2 UG/L		NV	169 UG/L	27	-	83.5 UG/L		NV						
URANIUM-234	18.2 PCI/L		NV	62.9 PCI/L	8.4	J	22.2 PCI/L		NV						
THORIUM-230				1 PCI/L		U	.75 PCI/L		UNV						
RADIUM-226				1 PCI/L		R	1 PCI/L		UNV						
URANIUM-235/236	1.03 PCI/L		NV	4.5 PCI/L	1	J	1.5 PCI/L		UNV						
THORIUM-232				1 PCI/L		U	.75 PCI/L		UNV						
THORIUM, TOTAL				5 UG/L	3	J	6.7 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		U	1.39 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							80.6 PCI/L		NV						
GROSS BETA							148 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			

SAMPLE NUMBER:	EMGW_SYSGEN_146			003403			EMGW_SYSGEN_152			EMGW_SYSGEN_152			003704		
LAB:	IT			IT			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															
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 1 WELLS

SAMPLE NUMBER:	003704	EMGW_SYSGEN_151	EMGW_SYSGEN_153	EMGW_SYSGEN_153	120237
TASK:	3.2.4	GWMON	GWMON	GWMON	50.03.23
LAB:	IT	NET	IT	NET	DATACHEM
WELL OR BORING NUMBER:	1054	1054	1054	1054	1054
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-NOV-88	19-SEP-90	20-MAR-91	20-MAR-91	23-JUN-93
NORTH COORDINATE:	480050.26	480050.26	480050.26	480050.26	480050.26
EAST COORDINATE:	1381524.14	1381524.14	1381524.14	1381524.14	1381524.14
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				288 MG/L		NV				290 MG/L		NV	300 MG/L		-
AMMONIA	.1 MG/L		UJ							.11 MG/L		NV	.05 MG/L		U
CHLORIDE	25 MG/L		J	22 MG/L		NV				18 MG/L		NV	16 MG/L		-
FLUORIDE	.5 MG/L		-	.42 MG/L		NV				.28 MG/L		NV	.4 MG/L		-
NITRATE	9.09 MG/L		J	8.66 MG/L		NV				12.9 MG/L		NV			
NITRATE, AS NITROGEN				8.66 MG/L		NV				12.9 MG/L		NV			
PH	.08 MG/L		J	7.24 SU		NV				7.33 SU		NV	.006 MG/L		-
PHENOLS	.08 MG/L		J	.009 MG/L		NV				.005 MG/L		UNV	.006 MG/L		-
PHOSPHORUS	.02 MG/L		U							.36 MG/L		NV	1.7 MG/L		-
SPECIFIC CONDUCTIVITY				896 UMHOS/CM		NV				836 UMHOS/CM		NV			
SULFATE	99.3 MG/L		-	125 MG/L		NV				136 MG/L		NV	84 MG/L		-
SULFIDE													1 MG/L		UJ
TOTAL DISSOLVED SOLIDS				585 MG/L		NV				542 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.64 MG/L		J										.1 MG/L		U
TOTAL ORGANIC CARBON				3 MG/L		NV				12 MG/L		NV			
TOTAL ORGANIC HALIDES	.05 MG/L		U										.01 MG/L		UJ
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.64 MG/L		J										.1 MG/L		-
INORGANICS															
ALUMINUM										1.11 MG/L		NV	4.29 MG/L		J
ANTIMONY										.025 MG/L		UNV	.0157 MG/L		U
ARSENIC										.005 MG/L		NV	.002 MG/L		-
BARIUM										.2 MG/L		UNV	.128 MG/L		-
BERYLLIUM										.01 MG/L		UNV	.00041 MG/L		U
CADMIUM										.001 MG/L		UNV	.0012 MG/L		U
CALCIUM										144 MG/L		NV	131 MG/L		-
CHROMIUM										.01 MG/L		NV	.0143 MG/L		U
COBALT										.025 MG/L		UNV	.0076 MG/L		U
COPPER										.025 MG/L		UNV	.0101 MG/L		U
CYANIDE										.005 MG/L		UNV	.01 MG/L		UJ

SAMPLE NUMBER:	003704			EMGW_SYSGEN_151			EMGW_SYSGEN_153			EMGW_SYSGEN_153			120237		
LAB:	IT			NET			IT			NET			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															
IRON										2.34 MG/L		NV	8.89 MG/L		-
LEAD										.005 MG/L		UNV	.0036 MG/L		J
MAGNESIUM										58 MG/L		NV	45.7 MG/L		-
MANGANESE										.275 MG/L		NV	.306 MG/L		-
MERCURY										.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM										.025 MG/L		UNV			
NICKEL										.008 MG/L		NV	.016 MG/L		-
POTASSIUM										2.15 MG/L		NV	2.42 MG/L		-
SELENIUM										.0025 MG/L		UNV	.0021 MG/L		R
SILVER										.001 MG/L		UNV	.0029 MG/L		UJ
SODIUM										23.5 MG/L		NV	21.8 MG/L		-
THALLIUM										.01 MG/L		UNV	.001 MG/L		U
VANADIUM										.05 MG/L		UNV	.009 MG/L		U
ZINC										.032 MG/L		NV	.0574 MG/L		J
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	41.3 PCI/L	5.5	J				38.8 PCI/L		NV						
URANIUM, TOTAL	142 UG/L	24	-				69.1 UG/L		NV						
URANIUM-234	40.6 PCI/L	5.5	J				37.4 PCI/L		NV						
THORIUM-230	1 PCI/L		UJ				.31 PCI/L		UNV						
RADIUM-226	1 PCI/L		U				1 PCI/L		UNV						
URANIUM-235/236	1.9 PCI/L	.6	J				2.76 PCI/L		NV						
THORIUM-232	1 PCI/L		UJ				.31 PCI/L		UNV						
THORIUM, TOTAL	4 UG/L		UJ				2.8 UG/L		UNV						
RADIUM-228	3 PCI/L		U				3 PCI/L		UNV						
THORIUM-228	1 PCI/L		UJ				1.28 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				225 PCI/L		NV						
RUTHENIUM-106	150 PCI/L		R				150 PCI/L		UNV						
CESIUM-137	20 PCI/L		R				7 PCI/L		UNV						
GROSS ALPHA							39.6 PCI/L		NV						
GROSS BETA							66.9 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	10 UG/L		U
10/01/94															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003704			EMGW_SYSGEN_151			EMGW_SYSGEN_153			EMGW_SYSGEN_153			120237		
LAB:	IT			NET			IT			NET			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)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
1,1,2-TRICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
1,1-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
1,1-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
1,2-DICHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
1,2-DICHLOROPROPANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
2-BUTANONE				2 UG/L		UNV				2 UG/L		UNV	10 UG/L		U
2-HEXANONE				2 UG/L		UNV				2 UG/L		UNV	10 UG/L		U
4-METHYL-2-PENTANONE				2 UG/L		UNV				2 UG/L		UNV	10 UG/L		U
ACETONE				2 UG/L		UNV				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				1 UG/L		UNV	10 UG/L		U
BROMOFORM				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
BROMOMETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CARBON DISULFIDE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CARBON TETRACHLORIDE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CHLOROBENZENE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CHLOROETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CHLOROFORM				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
CIS-1,3-DICHLOROPROPENE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
DIBROMOCHLOROMETHANE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
ETHYLBENZENE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
METHYLENE CHLORIDE				1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U
STYRENE				1 UG/L		UNV				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				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				2 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				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 1 WELLS

SAMPLE NUMBER:	120237F			120240			120240F			EMGW_SYSGEN_150			EMGW_SYSGEN_150		
TASK:	50.03.23			50.03.23			50.03.23			GWMON			GWMON		
LAB:	DATACHEM			CORE			CORE			IT			NET		
WELL OR BORING NUMBER:	1054			1054			1054			1054			1054		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-JUN-93			23-JUN-93			23-JUN-93			25-JUN-90			25-JUN-90		
NORTH COORDINATE:	480050.26			480050.26			480050.26			480050.26			480050.26		
EAST COORDINATE:	1381524.14			1381524.14			1381524.14			1381524.14			1381524.14		
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															
CHLORIDE													19 MG/L		NV
NITRATE, AS NITROGEN													17 MG/L		NV
SULFATE													113 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM	.0936 MG/L		J												
ANTIMONY	.0157 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.1 MG/L		-												
BERYLLIUM	.0003 MG/L		U												
CADMIUM	.0012 MG/L		U												
CALCIUM	107 MG/L		-												
CHROMIUM	.0031 MG/L		U												
COBALT	.0034 MG/L		U												
COPPER	.0024 MG/L		U												
CYANIDE	.01 MG/L		UJ												
IRON	.0238 MG/L		U												
LEAD	.001 MG/L		U												
MAGNESIUM	39.8 MG/L		-												
MANGANESE	.108 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.007 MG/L		U												
POTASSIUM	1.38 MG/L		-												
SELENIUM	.0021 MG/L		R												
SILVER	.0029 MG/L		UJ												
SODIUM	20.7 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0029 MG/L		U												
ZINC	.004 MG/L		UJ												

SAMPLE NUMBER:	120237F			120240			120240F			EMGW_SYSGEN_150			EMGW_SYSGEN_150		
LAB:	DATACHEM			CORE			CORE			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)
RADIONUCLIDES															
URANIUM-238				35.7 PCI/L	7.7	J	15.6 PCI/L	1.9	J	19.4 PCI/L		NV			
URANIUM, TOTAL				70.5 UG/L	4.9	-	48.7 UG/L	3.4	-	58.2 UG/L		NV			
URANIUM-234				27 PCI/L	5.9	J	15.3 PCI/L	1.8	J	19.1 PCI/L		NV			
THORIUM-230				.3 PCI/L	.2	UJ	.3 PCI/L	.2	UJ	.904 PCI/L		NV			
RADIUM-226				4.8 PCI/L	.8	J	1 PCI/L	.3	U	1.02 PCI/L		NV			
URANIUM-235/236				5.4 PCI/L	1.6	J	.5 PCI/L	.3	J	1.16 PCI/L		NV			
THORIUM-232				.4 PCI/L	.3	J	.2 PCI/L	.3	UJ	.76 PCI/L		UNV			
THORIUM, TOTAL				3.6480732 PCI/L	.3	NV				6.8 UG/L		UNV			
RADIUM-228				3.2 PCI/L	1.4	-	3.1 PCI/L	1.6	U	3 PCI/L		UNV			
THORIUM-228				.6 PCI/L	.7	J	.2 PCI/L	.8	UJ	.76 PCI/L		UNV			
TECHNETIUM-99				68.7 PCI/L	8.3	J	84.9 PCI/L	10.7	-						
GROSS ALPHA				22.6 PCI/L	5.8	NV	31.9 PCI/L	3.4	NV	14 PCI/L		UNV			
GROSS BETA				76.4 PCI/L	6.5	NV	72.2 PCI/L	3.1	NV	139 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													2 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													9.6 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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120237F			120240			120240F			EMGW_SYSGEN_150			EMGW_SYSGEN_150		
LAB:	DATACHEM			CORE			CORE			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															
VINYL CHLORIDE													1 UG/L		UNV
XYLENES, TOTAL													1 UG/L		UNV

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RADIONUCLIDES

URANIUM-238	15100 PCI/L	2310	J				93.9 PCI/L	12	-				39.6 PCI/L	5.1	-
10/01/94															

SAMPLE NUMBER:	120241F			003246			003246			003911			003911		
LAB:	CORE			IT-KNOX			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)
RADIONUCLIDES															
URANIUM, TOTAL	56100 UG/L	3930	J				326 UG/L	52	-				138 UG/L	23	J
URANIUM-234	13800 PCI/L	2150	J				87.3 PCI/L	11	-				39.7 PCI/L	5.1	-
THORIUM-230	.3 PCI/L	.2	J				1 PCI/L		U				1 PCI/L		U
RADIUM-226	1 PCI/L	.2	U				1 PCI/L		U				1 PCI/L		UJ
URANIUM-235/236	1010 PCI/L	331	J				5.7 PCI/L	1.1	-				1.8 PCI/L	.5	-
THORIUM-232	.2 PCI/L	.3	UJ				1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL													7 UG/L	4	-
RADIUM-228	3 PCI/L	1.5	U				3 PCI/L		U				3 PCI/L		UJ
THORIUM-228	.3 PCI/L	.4	J				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	795 PCI/L	49.3	J				30 PCI/L		U				40.5 PCI/L	16.2	J
RUTHENIUM-106							150 PCI/L		R				150 PCI/L		R
CESIUM-137							20 PCI/L		R				20 PCI/L		R
GROSS ALPHA	23500 PCI/L	143	NV												
GROSS BETA	11700 PCI/L	55.7	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003407			EMGW_SYSGEN_155			EMGW_SYSGEN_155			GW930515-7			GW930515-7		
TASK:	3.2.4			GWMON			GWMON			50.03.23			50.03.23		
LAB:	IT			NET			NET			CORE			CORE		
WELL OR BORING NUMBER:	1055			1055			1055			1055			1055		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-AUG-88			11-OCT-90			11-OCT-90			15-MAY-93			15-MAY-93		
NORTH COORDINATE:	481476.15			481476.15			481476.15			481476.15			481476.15		
EAST COORDINATE:	1380703.31			1380703.31			1380703.31			1380703.31			1380703.31		
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)
INORGANICS															
ALUMINUM				.5 MG/L		UNV	13.1 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.01 MG/L		NV						
BARIUM				.2 MG/L		UNV	.274 MG/L		NV						
BERYLLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM				139 MG/L		NV	194 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV						
COPPER				.025 MG/L		UNV	.028 MG/L		NV						
IRON				.05 MG/L		UNV	46.6 MG/L		NV						
LEAD				.005 MG/L		UNV	.016 MG/L		NV						
MAGNESIUM				25 MG/L		NV	88 MG/L		NV						
MANGANESE				.034 MG/L		NV	1.25 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL				.008 MG/L		NV	.056 MG/L		NV						
POTASSIUM				2.06 MG/L		NV	7.3 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				1 MG/L		UNV	18.4 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	.097 MG/L		NV						
No sort code listed.															
3-METHYLPHENOL							4 UG/L		UNV						
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003407			EMGW_SYSGEN_155			EMGW_SYSGEN_155			GW930515-7			GW930515-7		
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)
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						
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						
TOXAPHENE							.5 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	3.5 PCI/L	.6	J							3.1 PCI/L	.7	-	5.5 PCI/L	.4	J
URANIUM, TOTAL	9 UG/L	1	-							14.6 UG/L	1	-	41.5 UG/L	2.9	-
URANIUM-234	4.7 PCI/L	.8	J							4.4 PCI/L	.9	-	5.7 PCI/L	.7	J
THORIUM-230	1 PCI/L		U							.3 PCI/L	.1	J	1.2 PCI/L	.4	J
RADIUM-226	1 PCI/L		R							1 PCI/L	.2	UJ	1 PCI/L	.1	U
URANIUM-235/236	1 PCI/L		U							.8 PCI/L	.8	-	.2 PCI/L	.5	UJ
THORIUM-232	1 PCI/L		U							.4 PCI/L	.2	J	.4 PCI/L	.2	J
THORIUM, TOTAL	7 UG/L	3	J							6.38401488 PCI/L	.1	NV	3.64821812 PCI/L	.2	NV
RADIUM-228	3 PCI/L		U							3 PCI/L	1	U	3 PCI/L	.6	U
THORIUM-228	1 PCI/L		U							.3 PCI/L	.1	UJ	1.3 PCI/L	.4	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		R												
TECHNETIUM-99	30 PCI/L		UJ							37.3 PCI/L	9	J	37.3 PCI/L	9	J
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA										17.5 PCI/L	5.1	NV	24.2 PCI/L	9.2	NV
GROSS BETA										8.5 PCI/L	5.2	UNV	16.8 PCI/L	8.7	NV

SAMPLE NUMBER:	003407			EMGW_SYSGEN_155			EMGW_SYSGEN_155			GW930515-7			GW930515-7		
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)
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						
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						

SAMPLE NUMBER:	003407			EMGW_SYSGEN_155			EMGW_SYSGEN_155			GW930515-7			GW930515-7		
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)
SEMIVOLATILES															
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						
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						

SAMPLE NUMBER:	003407			EMGW_SYSGEN_155			EMGW_SYSGEN_155			GW930515-7			GW930515-7		
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															
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:	GW930515-7	GW930515-7	GW930515-7	GW930515-7	003708
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:	1055	1055	1055	1055	1055
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAY-93	15-MAY-93	15-MAY-93	15-MAY-93	15-NOV-88
NORTH COORDINATE:	481476.15	481476.15	481476.15	481476.15	481476.15
EAST COORDINATE:	1380703.31	1380703.31	1380703.31	1380703.31	1380703.31
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															
ALKALINITY AS CACO3										330 MG/L		-			
AMMONIA										.48 MG/L		-			
BICARBONATE ALKALINITY										415 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										3 MG/L		-			
FLUORIDE										.27 MG/L		-			
NITRATE/NITRITE										2.36 MG/L		-			
PH										7.3 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.19 MG/L		-			
SPECIFIC CONDUCTIVITY										1230 UMHOS/CM		-			
SULFATE										528 MG/L		J			
TOTAL DISSOLVED SOLIDS							1020 MG/L		-						
TOTAL KJELDAHL NITROGEN										.51 MG/L		-			
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
TOTAL SOLIDS										1770 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	5.62 MG/L		-			
ANTIMONY							.045 MG/L		UJ	.045 MG/L		U			
ARSENIC							.002 MG/L		UJ	.003 MG/L		J			
BARIUM							.028 MG/L		-	.0693 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							177 MG/L		-	231 MG/L		-			
CHROMIUM							.005 MG/L		U	.0159 MG/L		J			
COBALT							.008 MG/L		U	.008 MG/L		U			
COPPER							.0084 MG/L		U	.0125 MG/L		-			
CYANIDE							.01 MG/L		UJ	.01 MG/L		U			

SAMPLE NUMBER:	GW930515-7			GW930515-7			GW930515-7			GW930515-7			003708		
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							.0165 MG/L		U	9.34 MG/L		-			
LEAD							.001 MG/L		UJ	.0047 MG/L		J			
MAGNESIUM							58.7 MG/L		-	69.1 MG/L		-			
MANGANESE							.0118 MG/L		-	.214 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U			
POTASSIUM							1.2 MG/L		U	2.51 MG/L		-			
SELENIUM							.0027 MG/L		UJ	.0063 MG/L		-			
SILVER							.007 MG/L		U	.018 MG/L		-			
SODIUM							12.4 MG/L		-	11.8 MG/L		-			
THALLIUM							.002 MG/L		U	.002 MG/L		U			
VANADIUM							.003 MG/L		U	.0094 MG/L		-			
ZINC							.005 MG/L		U	.0443 MG/L		-			
RADIONUCLIDES															
URANIUM-238													8.6 PCI/L	1.5	J
URANIUM, TOTAL	13 UG/L		NV	13 UG/L		NV							22 UG/L	5	-
URANIUM-234													9.2 PCI/L	1.5	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	.5	J
THORIUM, TOTAL													9 UG/L	4	J
RADIUM-228													3 PCI/L		U
THORIUM-228													1.2 PCI/L	.5	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
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			

SAMPLE NUMBER:	GW930515-7			GW930515-7			GW930515-7			GW930515-7			003708		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_156			003221			003221			003912			003912		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1055			1055			1055			1055			1055		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-OCT-90			22-MAY-88			22-MAY-88			26-FEB-89			26-FEB-89		
NORTH COORDINATE:	481476.15			481476.15			481476.15			481476.15			481476.15		
EAST COORDINATE:	1380703.31			1380703.31			1380703.31			1380703.31			1380703.31		
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	.02 MG/L		UNV				.5 MG/L		U				.1 MG/L		U
CHLORIDE	9 MG/L		NV				9.6 MG/L		-				5.1 MG/L		U
FLUORIDE	.57 MG/L		NV				.65 MG/L		J				.3 MG/L		-
NITRATE	.79 MG/L		NV				.1 MG/L		-				.42 MG/L		-
NITRATE/NITRITE	.79 MG/L		NV												
PHENOLS							.01 MG/L		J				.01 MG/L		-
PHOSPHORUS	.07 MG/L		NV				7.4 MG/L		-				.13 MG/L		-
SULFATE	374 MG/L		NV				259 MG/L		-				250 MG/L		-
TOTAL KJELDAHL NITROGEN							3.43 MG/L		J				.7 MG/L		-
TOTAL ORGANIC HALIDES													.05 MG/L		U
TOTAL ORGANIC NITROGEN							3.43 MG/L		J				.6 MG/L		-
INORGANICS															
ARSENIC				.002 MG/L		UJ				.003 MG/L		U			
BARIUM				.043 MG/L		J				.04 MG/L		-			
CADMIUM				.002 MG/L		UJ				.005 MG/L		U			
CALCIUM				118 MG/L		J				130 MG/L		-			
CHROMIUM				.02 MG/L		UJ				.03 MG/L		-			
COPPER				.01 MG/L		UJ				.01 MG/L		U			
CYANIDE	.005 MG/L		UNV												
IRON				.083 MG/L		UJ				.05 MG/L		U			
LEAD				.002 MG/L		J				.002 MG/L		U			
MAGNESIUM				36.2 MG/L		J				38 MG/L		-			
MANGANESE				.079 MG/L		J				.012 MG/L		-			
MERCURY				.0002 MG/L		U				.0003 MG/L		J			
MOLYBDENUM				.033 MG/L		J				.01 MG/L		-			
NICKEL				.02 MG/L		UJ				.03 MG/L		U			
POTASSIUM				1.36 MG/L		J				1.7 MG/L		-			
SELENIUM				.019 MG/L		J				.005 MG/L		U			
SILVER				.01 MG/L		UJ				.01 MG/L		U			
SODIUM				15.1 MG/L		J				30 MG/L		-			

001148

SAMPLE NUMBER:	EMGW_SYSGEN_156			003221			003221			003912			003912		
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)
RADIONUCLIDES															
URANIUM-238							3.7 PCI/L	.6	J				4.9 PCI/L	.9	-
URANIUM, TOTAL							9 UG/L	1	R				13 UG/L	2	J
URANIUM-234							4.8 PCI/L	.8	J				5.9 PCI/L	1	-
THORIUM-230							3.1 PCI/L	1	J				1.1 PCI/L		U
RADIUM-226							1 PCI/L		U				1.5 PCI/L	.3	J
URANIUM-235/236							1 PCI/L		UJ				1 PCI/L		U
THORIUM-232							1.8 PCI/L	.7	J				1.5 PCI/L	.9	-
THORIUM, TOTAL							16.4166051 PCI/L	.7	NV				14 UG/L	8	-
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							3.7 PCI/L	1.1	J				1.9 PCI/L	1	-
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		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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_154			003752			003752			003174			003174		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1055			1058			1058			1058			1058		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-MAR-90			06-DEC-88			06-DEC-88			10-MAY-88			10-MAY-88		
NORTH COORDINATE:	481476.15			487510.79			487510.79			487510.79			487510.79		
EAST COORDINATE:	1380703.31			1377375.53			1377375.53			1377375.53			1377375.53		
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							2.11 MG/L		J				2 MG/L		J
CHLORIDE							2.5 MG/L		U				14 MG/L		J
FLUORIDE							.61 MG/L		-				.76 MG/L		-
NITRATE							.1 MG/L		R				.1 MG/L		U
PHENOLS							.017 MG/L		-				.01 MG/L		J
PHOSPHORUS							.139 MG/L		U				.052 MG/L		-
SULFATE							4.13 MG/L		-				5 MG/L		-
TOTAL KJELDAHL NITROGEN							2.33 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		UJ						
TOTAL ORGANIC NITROGEN							.22 MG/L		UJ				.2 MG/L		J
INORGANICS															
ARSENIC				.014 MG/L		UJ				.2 MG/L		U			
BARIUM				.38 MG/L		-				.273 MG/L		-			
CADMIUM				.002 MG/L		U				.005 MG/L		U			
CALCIUM				77.9 MG/L		-				64.6 MG/L		-			
CHROMIUM				.02 MG/L		U				.02 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				3.29 MG/L		-				2.57 MG/L		-			
LEAD				.002 MG/L		UJ				.05 MG/L		U			
MAGNESIUM				23.7 MG/L		-				19.8 MG/L		-			
MANGANESE				.018 MG/L		U				.015 MG/L		-			
MERCURY				.0003 MG/L		J				.0002 MG/L		U			
MOLYBDENUM				.028 MG/L		U				.02 MG/L		U			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM				.917 MG/L		-				.78 MG/L		-			
SELENIUM				.002 MG/L		UJ				.2 MG/L		U			
SILVER				.02 MG/L		U				.02 MG/L		U			
SODIUM				16.9 MG/L		-				13.6 MG/L		-			

001150

RADIONUCLIDES

URANIUM-238	4.6 PCI/L		NV				1 PCI/L		U				1 PCI/L		U

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_154			003752			003752			003174			003174		
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	13.8 UG/L		NV				.1 UG/L		U				1 UG/L		U
URANIUM-234	4.7 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		U				1 PCI/L		U
URANIUM-235/236	.317 PCI/L		NV				1 PCI/L		U				1 PCI/L		U
THORIUM-232							1 PCI/L		U				1 PCI/L		U
THORIUM, TOTAL							5 UG/L		U						
RADIUM-228							3 PCI/L		U				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		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 1 WELLS

SAMPLE NUMBER:	003982			003982			003563			003563			003751		
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:	1058			1058			1058			1058			1059		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-MAR-89			15-MAR-89			18-AUG-88			18-AUG-88			06-DEC-88		
NORTH COORDINATE:	487510.79			487510.79			487510.79			487510.79			487827.16		
EAST COORDINATE:	1377375.53			1377375.53			1377375.53			1377375.53			1376077.06		
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		-				1.7 MG/L		J			
CHLORIDE				20 MG/L		-				21 MG/L		J			
FLUORIDE				.5 MG/L		-				.67 MG/L		J			
NITRATE				.02 MG/L		R				.1 MG/L		R			
PHENOLS				.006 MG/L		-				.1 MG/L		UJ			
PHOSPHORUS				.1 MG/L		-				.11 MG/L		J			
SULFATE				2 MG/L		U				2 MG/L		-			
TOTAL KJELDAHL NITROGEN				1.6 MG/L		-									
TOTAL ORGANIC HALIDES				.05 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				1.5 MG/L		-				.2 MG/L		J			
INORGANICS															
ARSENIC	.016 MG/L		-				.2 MG/L		U				.002 MG/L		UJ
BARIUM	.37 MG/L		-				.4 MG/L		-				.055 MG/L		U
CADMIUM	.005 MG/L		U				.002 MG/L		U				.002 MG/L		U
CALCIUM	85 MG/L		-				77.1 MG/L		-				74.4 MG/L		-
CHROMIUM	.02 MG/L		-				.02 MG/L		U				.02 MG/L		U
COPPER	.01 MG/L		U				.01 MG/L		U				.044 MG/L		U
IRON	2.9 MG/L		J				3.01 MG/L		-				.027 MG/L		U
LEAD	.002 MG/L		U				.05 MG/L		U				.004 MG/L		UJ
MAGNESIUM	23 MG/L		-				23.3 MG/L		-				20.4 MG/L		-
MANGANESE	.02 MG/L		-				.02 MG/L		-				.003 MG/L		U
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM	.01 MG/L		-				.02 MG/L		U				.02 MG/L		U
NICKEL	.03 MG/L		U				.02 MG/L		U				.02 MG/L		U
POTASSIUM	.96 MG/L		-				1.6 MG/L		-				8.81 MG/L		-
SELENIUM	.005 MG/L		U				.2 MG/L		U				.002 MG/L		UJ
SILVER	.01 MG/L		U				.01 MG/L		U				.02 MG/L		U
SODIUM	17 MG/L		-				17.3 MG/L		-				56.3 MG/L		-

001152

RADIONUCLIDES

URANIUM-238 1 PCI/L U 1 PCI/L U

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003982			003982			003563			003563			003751		
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)
RADIONUCLIDES															
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				.39 PCI/L	.24	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		UJ				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				.04 PCI/L	.14	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				35.1 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 1 WELLS

SAMPLE NUMBER:	003751	003188	003188	003189	003189
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:	1059	1059	1059	1059	1059
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-DEC-88	12-MAY-88	12-MAY-88	12-MAY-88	12-MAY-88
NORTH COORDINATE:	487827.16	487827.16	487827.16	487827.16	487827.16
EAST COORDINATE:	1376077.06	1376077.06	1376077.06	1376077.06	1376077.06
QA TYPE:	NORMAL	NORMAL	NORMAL	DUPLICATE	DUPLICATE
QC OF:				003188	003188
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL 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		U				5.6 MG/L		J				7.1 MG/L		J
FLUORIDE	.4 MG/L		-				.42 MG/L		-				.42 MG/L		-
NITRATE	.151 MG/L		R				.2 MG/L		J				.2 MG/L		J
PHENOLS	.02 MG/L		-				.01 MG/L		J				.02 MG/L		J
PHOSPHORUS	.045 MG/L		U				.052 MG/L		-				.05 MG/L		-
SULFATE	3.24 MG/L		-				86 MG/L		-				58 MG/L		-
TOTAL KJELDAHL NITROGEN	.23 MG/L		UJ												
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC NITROGEN	.23 MG/L		UJ				.1 MG/L		UJ				.1 MG/L		UJ
INORGANICS															
ARSENIC				.2 MG/L		U				.2 MG/L		U			
BARIUM				.05 MG/L		-				.05 MG/L		-			
CADMIUM				.005 MG/L		U				.005 MG/L		U			
CALCIUM				80.9 MG/L		-				79.4 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				22.5 MG/L		-				21.9 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				10.2 MG/L		-				9.93 MG/L		-			
SELENIUM				.2 MG/L		U				.2 MG/L		U			
SILVER				.02 MG/L		U				.02 MG/L		U			
SODIUM				37.4 MG/L		-				37.5 MG/L		-			

001154

RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U				1 PCI/L		U

SAMPLE NUMBER:	003751			003188			003188			003189			003189		
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	.9 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	2 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 1 WELLS

SAMPLE NUMBER:	003981	003981	003562	003562	30929-1059-02
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	50.03.23
LAB:	IT	IT	IT	IT	DATACHEM
WELL OR BORING NUMBER:	1059	1059	1059	1059	1059
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-MAR-89	14-MAR-89	18-AUG-88	18-AUG-88	29-SEP-93
NORTH COORDINATE:	487827.16	487827.16	487827.16	487827.16	487827.16
EAST COORDINATE:	1376077.06	1376077.06	1376077.06	1376077.06	1376077.06
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													350 MG/L		-
AMMONIA				.1 MG/L		UJ				.1 MG/L		UJ	.05 MG/L		U
CHLORIDE				8.6 MG/L		UJ				8.5 MG/L		J	9.2 MG/L		-
FLUORIDE				.2 MG/L		J				.48 MG/L		J	.3 MG/L		-
NITRATE				.22 MG/L		J				.26 MG/L		R	.05 MG/L		U
NITRATE/NITRITE													.05 MG/L		U
PHENOLS				.005 MG/L		UJ				.1 MG/L		UJ	.002 MG/L		U
PHOSPHORUS				.04 MG/L		J				.05 MG/L		UJ	.12 MG/L		J
SULFATE				53 MG/L		J				4 MG/L		-	52 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN				.4 MG/L		UJ							.1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES				.05 MG/L		UJ				.05 MG/L		U	.01 MG/L		U
TOTAL ORGANIC NITROGEN				.3 MG/L		J				.1 MG/L		J			
INORGANICS															
ARSENIC	.003 MG/L		UJ				.2 MG/L		U						
BARIUM	.046 MG/L		J				.05 MG/L		-						
CADMIUM	.005 MG/L		UJ				.002 MG/L		U						
CALCIUM	91 MG/L		J				77.7 MG/L		-						
CHROMIUM	.02 MG/L		J				.02 MG/L		U						
COPPER	.19 MG/L		J				.03 MG/L		-						
IRON	.03 MG/L		UJ				.082 MG/L		-						
LEAD	.006 MG/L		J				.05 MG/L		U						
MAGNESIUM	22 MG/L		J				22.6 MG/L		-						
MANGANESE	.007 MG/L		J				.04 MG/L		-						
MERCURY	.0002 MG/L		UJ				.0002 MG/L		U						
MOLYBDENUM	.01 MG/L		UJ				.02 MG/L		U						
NICKEL	.03 MG/L		UJ				.02 MG/L		U						
POTASSIUM	11 MG/L		J				8.2 MG/L		-						
SELENIUM	.005 MG/L		UJ				.2 MG/L		U						

SAMPLE NUMBER:	003981			003981			003562			003562			30929-1059-02		
LAB:	IT			IT			IT			IT			DATACHEM		
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															
SILVER	.01 MG/L		UJ				.01 MG/L		U						
SODIUM	18 MG/L		J				53.6 MG/L		-						
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U				1 PCI/L		U			
URANIUM, TOTAL				1 UG/L		U				.8 UG/L	.2	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				.024 PCI/L	.22	R			
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				3 UG/L	2	J			
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				.022 PCI/L	.013	R			
PLUTONIUM-238				1 PCI/L		U				.0044 PCI/L	.012	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			
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
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:	003981			003981			003562			003562			30929-1059-02		
LAB:	IT			IT			IT			IT			DATACHEM		
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															
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:	30929F1059-02	30929F1059-03	30929F1059-05	30929U1059-02	30929U1059-03
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	CORE	FERMCO	DATACHEM	CORE
WELL OR BORING NUMBER:	1059	1059	1059	1059	1059
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-SEP-93	29-SEP-93	29-SEP-93	29-SEP-93	29-SEP-93
NORTH COORDINATE:	487827.16	487827.16	487827.16	487827.16	487827.16
EAST COORDINATE:	1376077.06	1376077.06	1376077.06	1376077.06	1376077.06
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)
INORGANICS															
ALUMINUM	.0193 MG/L		U							.0193 MG/L		U			
ANTIMONY	.0272 MG/L		-							.0222 MG/L		U			
ARSENIC	.001 MG/L		U							.001 MG/L		U			
BARIUM	.0532 MG/L		-							.0535 MG/L		-			
BERYLLIUM	.0003 MG/L		U							.0003 MG/L		U			
CADMIUM	.0012 MG/L		UJ							.0012 MG/L		UJ			
CALCIUM	82.6 MG/L		-							83.3 MG/L		-			
CHROMIUM	.0032 MG/L		U							.0032 MG/L		U			
COBALT	.0053 MG/L		U							.0053 MG/L		U			
COPPER	.0026 MG/L		U							.0053 MG/L		-			
CYANIDE	.01 MG/L		U							.01 MG/L		U			
IRON	.0467 MG/L		-							.249 MG/L		-			
LEAD	.0087 MG/L		J							.0013 MG/L		J			
MAGNESIUM	22.8 MG/L		-							23.1 MG/L		-			
MANGANESE	.0025 MG/L		-							.0035 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.0147 MG/L		U							.0147 MG/L		U			
NICKEL	.015 MG/L		U							.015 MG/L		U			
POTASSIUM	9.29 MG/L		-							8.93 MG/L		-			
SELENIUM	.0014 MG/L		U							.001 MG/L		U			
SILICON	5.62 MG/L		-							5.6 MG/L		-			
SILVER	.0032 MG/L		U							.0032 MG/L		U			
SODIUM	50.4 MG/L		-							50 MG/L		-			
THALLIUM	.001 MG/L		U							.001 MG/L		U			
VANADIUM	.0029 MG/L		U							.0029 MG/L		U			
ZINC	.0443 MG/L		-							.0502 MG/L		-			
RADIONUCLIDES															
URANIUM-238				.4 PCI/L	1.6	R							.4 PCI/L	1.6	R
URANIUM, TOTAL				1 UG/L	.1	-	.9 UG/L		UNV				1 UG/L	.1	-
URANIUM-234				.6 PCI/L	.3	J							.6 PCI/L	.3	J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30929F1059-02			30929F1059-03			30929F1059-05			30929U1059-02			30929U1059-03		
LAB:	DATACHEM			CORE			FERMCO			DATACHEM			CORE		
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															
THORIUM-230				.2 PCI/L	.2	UJ							.2 PCI/L	.2	UJ
RADIUM-226				1 PCI/L	.3	UJ							1 PCI/L	.3	UJ
URANIUM-235/236				.2 PCI/L	.5	UJ							.2 PCI/L	.5	UJ
THORIUM-232				.2 PCI/L	.3	UJ							.2 PCI/L	.3	UJ
RADIUM-228				3 PCI/L	1	U							3 PCI/L	.9	U
THORIUM-228				.2 PCI/L	.6	UJ							.2 PCI/L	.5	UJ
TECHNETIUM-99				15 PCI/L	7.4	U							15 PCI/L	7.2	U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30929U1059-05	30929U1059-05	003888	003888	003255
TASK:	50.03.23	50.03.23	3.2.4	3.2.4	3.2.4
LAB:	FERMCO	FERMCO	IT	IT	IT
WELL OR BORING NUMBER:	1059	1059	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-SEP-93	29-SEP-93	01-FEB-89	01-FEB-89	02-JUN-88
NORTH COORDINATE:	487827.16	487827.16	475865.6	475865.6	475865.6
EAST COORDINATE:	1376077.06	1376077.06	1380010.66	1380010.66	1380010.66
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										25 MG/L		J			
FLUORIDE										.22 MG/L		J			
NITRATE										.19 MG/L		J			
PHENOLS										.01 MG/L		J			
PHOSPHORUS										.06 MG/L		J			
SULFATE										102 MG/L		J			
TOTAL KJELDAHL NITROGEN										.178 MG/L		J			
TOTAL ORGANIC HALIDES										.011 MG/L		-			
TOTAL ORGANIC NITROGEN										.178 MG/L		J			
INORGANICS															
ARSENIC							.002 MG/L		UJ				.2 MG/L		UJ
BARIUM							.058 MG/L		J				.062 MG/L		-
CADMIUM							.02 MG/L		UJ				.002 MG/L		U
CALCIUM							124 MG/L		J				130 MG/L		-
CHROMIUM							.034 MG/L		J				.02 MG/L		U
COPPER							.017 MG/L		J				.01 MG/L		U
IRON							.172 MG/L		J				.256 MG/L		-
LEAD							.002 MG/L		UJ				.05 MG/L		U
MAGNESIUM							34.8 MG/L		J				47.8 MG/L		-
MANGANESE							.021 MG/L		J				.087 MG/L		-
MERCURY							.0037 MG/L		J				.0002 MG/L		U
MOLYBDENUM							.02 MG/L		UJ				.02 MG/L		U
NICKEL							.022 MG/L		J				.02 MG/L		U
POTASSIUM							5.04 MG/L		J				31.5 MG/L		-
SELENIUM							.002 MG/L		UJ				.2 MG/L		U
SILVER							.0005 MG/L		UJ				.052 MG/L		-
SODIUM							10.3 MG/L		J				26.5 MG/L		-

RADIONUCLIDES

URANIUM-238
10/01/94

1 PCI/L U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30929U1059-05			30929U1059-05			003888			003888			003255		
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)
RADIONUCLIDES															
URANIUM, TOTAL	1 UG/L		UNV	1 UG/L		UNV				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										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		U			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003255	003398	003398	EMGW_SYSGEN_159	EMGW_SYSGEN_159
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	1060	1060	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JUN-88	04-AUG-88	04-AUG-88	04-JUN-90	04-JUN-90
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.66	1380010.66	1380010.66	1380010.66	1380010.66
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	.17 MG/L		-				.1 MG/L		J						
CHLORIDE	35.7 MG/L		-				26 MG/L		-				35 MG/L		NV
FLUORIDE	.49 MG/L		-				.29 MG/L		-						
NITRATE	.3 MG/L		J				.1 MG/L		-				.48 MG/L		NV
NITRATE, AS NITROGEN													.48 MG/L		NV
PHENOLS	.02 MG/L		-				.02 MG/L		J						
PHOSPHORUS	.06 MG/L		-				.05 MG/L		U						
SULFATE	175 MG/L		-				120 MG/L		-				148 MG/L		NV
TOTAL ORGANIC CARBON													39 MG/L		NV
TOTAL ORGANIC HALOGENS													.017 MG/L		NV
TOTAL ORGANIC NITROGEN	.1 MG/L		U				.1 MG/L		U						
INORGANICS															
ARSENIC				.01 MG/L		U									
BARIUM				.2 MG/L		U									
CADMIUM				.005 MG/L		U									
CALCIUM				120 MG/L		-									
CHROMIUM				.01 MG/L		U									
COPPER				.03 MG/L		U									
IRON				.1 MG/L		U									
LEAD				.005 MG/L		U									
MAGNESIUM				34 MG/L		-									
MANGANESE				.1 MG/L		-									
MERCURY				.0003 MG/L		U									
MOLYBDENUM				.05 MG/L		U									
NICKEL				.04 MG/L		U									
POTASSIUM				15 MG/L		-									
SELENIUM				.005 MG/L		U									
SILVER				.01 MG/L		U									
SODIUM				12 MG/L		-									

RADIONUCLIDES															
URANIUM-238	1 PCI/L		U				1 PCI/L		U	.628 PCI/L		NV			
SAMPLE NUMBER:	003255			003398			003398			EMGW_SYSGEN_159			EMGW_SYSGEN_159		
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)
RADIONUCLIDES															
URANIUM, TOTAL	2 UG/L	1	-				1 UG/L		U	2.06 UG/L		NV			
URANIUM-234	1.9 PCI/L	.3	J				1 PCI/L		U	1.39 PCI/L		NV			
THORIUM-230	1 PCI/L		U				1 PCI/L		U	.29 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	.414 PCI/L		NV			
THORIUM-232	1 PCI/L		U				1 PCI/L		U	.29 PCI/L		UNV			
THORIUM, TOTAL							7 UG/L		U	2.6 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		U	1.49 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										11.4 PCI/L		NV			
GROSS BETA										24.4 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
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

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SAMPLE NUMBER:	003255			003398			003398			EMGW_SYSGEN_159			EMGW_SYSGEN_159		
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															
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:	EMGW_SYSGEN_159D	EMGW_SYSGEN_159D	003045	003045	003045
TASK:	GWMON	GWMON	9.8	9.8	9.8
LAB:	IT	NET	HOWARD	HOWARD	WMCO
WELL OR BORING NUMBER:	1060	1060	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-JUN-90	04-JUN-90	05-DEC-87	05-DEC-87	05-DEC-87
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.66	1380010.66	1380010.66	1380010.66	1380010.66
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_159	EMGW_SYSGEN_159			
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															
CHEMICAL OXYGEN DEMAND										10 MG/L		UNV			
CHLORIDE				35 MG/L		NV				20 MG/L		NV			
FLUORIDE										.61 MG/L		NV			
HEXAVALENT CHROMIUM										.005 MG/L		UNV			
NITRATE				.5 MG/L		NV				1.14 MG/L		NV			
NITRATE, AS NITROGEN				.5 MG/L		NV									
PH										7.66 SU		NV			
PHENOLS										.01 MG/L		NV			
PHOSPHORUS										.09 MG/L		NV			
SPECIFIC CONDUCTIVITY										837 UMHOS/CM		NV			
SULFATE				132 MG/L		NV				84 MG/L		NV			
TOTAL COLIFORM										325 MG/L		NV			
TOTAL DISSOLVED SOLIDS							484 MG/L		NV						
TOTAL ORGANIC CARBON				48 MG/L		NV				3.25 MG/L		NV			
TOTAL ORGANIC HALIDES										.01 MG/L		UNV			
TOTAL ORGANIC HALOGENS				.024 MG/L		NV									
HERBICIDES															
2,4,5-TP (SILVEX)										500 UG/L		UNV			
2,4-D										1000 UG/L		UNV			
INORGANICS															
ARSENIC							.0025 MG/L		UNV						
BARIUM							.2 MG/L		UNV						
CADMIUM							.001 MG/L		UNV						
CALCIUM							99.2 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COPPER							.025 MG/L		UNV						
CYANIDE										.005 MG/L		UNV			
IRON							.05 MG/L		UNV						

001165

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SAMPLE NUMBER:	EMGW_SYSGEN_159D	EMGW_SYSGEN_159D	003045	003045	003045
LAB:	IT	NET	HOWARD	HOWARD	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															
LEAD							.005 MG/L		UNV						
MAGNESIUM							30.2 MG/L		NV						
MANGANESE							.015 MG/L		UNV						
MERCURY							.0002 MG/L		UNV						
NICKEL							.005 MG/L		UNV						
POTASSIUM							18.2 MG/L		NV						
SELENIUM							.0025 MG/L		UNV						
SILVER							.03 MG/L		UNV						
SODIUM							20.9 MG/L		NV						
ZINC							.02 MG/L		UNV						
No qort code listed.															
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			
SIMIZINE										1000 UG/L		UNV			
TERBUFOS										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	1.26 PCI/L		NV												
URANIUM, TOTAL	3.98 UG/L		NV										11000 UG/L		NV
URANIUM-234	1.34 PCI/L		NV												
THORIUM-230	.44 PCI/L		NV												
RADIUM-226	1.9 PCI/L		NV												
URANIUM-235/236	.495 PCI/L		NV												
THORIUM-232	.25 PCI/L		UNV												
THORIUM, TOTAL	2.2 UG/L		UNV										18000 UG/L		NV
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	1.39 PCI/L		NV												
GROSS ALPHA	.0151 PCI/L		NV							1 PCI/L		UNV			
GROSS BETA	.0258 PCI/L		NV							24 PCI/L		UNV			
RADIUM, TOTAL										1 PCI/L		NV			

VOLATILES

1,1,1-TRICHLOROETHANE 1 UG/L UNV

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_159D	EMGW_SYSGEN_159D	003045	003045	003045
LAB:	IT	NET	HOWARD	HOWARD	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									
1,1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_160	EMGW_SYSGEN_162	EMGW_SYSGEN_162	EMGW_SYSGEN_158	066832
TASK:	GWMON	GWMON	GWMON	GWMON	9.27
LAB:	WMCO	IT	NET	IT	IT
WELL OR BORING NUMBER:	1060	1060	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JUN-90	11-MAR-91	11-MAR-91	15-MAR-90	18-DEC-89
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.66	1380010.66	1380010.66	1380010.66	1380010.66
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							317 MG/L		NV						
AMMONIA							.02 MG/L		UNV						
CHLORIDE							25 MG/L		NV						
FLUORIDE							.18 MG/L		NV						
NITRATE, AS NITROGEN							1.17 MG/L		NV						
PH							7.25 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.1 MG/L		NV						
SPECIFIC CONDUCTIVITY							746 UMHOS/CM		NV						
SULFATE							83 MG/L		NV						
TOTAL DISSOLVED SOLIDS							406 MG/L		NV						
TOTAL ORGANIC CARBON							4 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							82.3 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COBALT							.025 MG/L		UNV						
COPPER							.025 MG/L		UNV						
CYANIDE							.005 MG/L		UNV						
IRON							.406 MG/L		NV						
LEAD							.005 MG/L		UNV						
MAGNESIUM							28.2 MG/L		NV						
MANGANESE							.031 MG/L		NV						
MERCURY							.0002 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_160			EMGW_SYSGEN_162			EMGW_SYSGEN_162			EMGW_SYSGEN_158			066832		
LAB:	WMCO			IT			NET			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							.025 MG/L		UNV						
NICKEL							.005 MG/L		UNV						
POTASSIUM							15.6 MG/L		NV						
SELENIUM							.0025 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							11.1 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.045 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		NV	.586 PCI/L		NV				.373 PCI/L		NV	1 PCI/L		U
URANIUM, TOTAL	3 UG/L		NV	1.26 UG/L		NV				1.13 UG/L		NV	1 UG/L		U
URANIUM-234	.9 PCI/L		NV	.521 PCI/L		NV				.599 PCI/L		NV	1 PCI/L		U
THORIUM-230				.2 PCI/L		UNV							1 PCI/L		U
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.22 PCI/L		UNV				.22 PCI/L		UNV	1 PCI/L		U
THORIUM-232				.2 PCI/L		UNV									
THORIUM, TOTAL				1.7 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.16 PCI/L		NV							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				17 PCI/L		UNV							30 PCI/L		U
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				8.4 PCI/L		UNV									
GROSS ALPHA				6.8 PCI/L		UNV									
GROSS BETA				13.8 PCI/L		NV									
URANIUM-235	.04 PCI/L		NV	.22 PCI/L		UNV				.22 PCI/L		UNV	1 PCI/L		U
URANIUM-236	.01 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						

SAMPLE NUMBER:	EMGW_SYSGEN_160			EMGW_SYSGEN_162			EMGW_SYSGEN_162			EMGW_SYSGEN_158			066832		
LAB:	WMCO			IT			NET			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															
1,1-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							13.9 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 1 WELLS

SAMPLE NUMBER:	003695	003695	EMGW_SYSGEN_161	EMGW_SYSGEN_161	EMGW_SYSGEN_161D
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	1060	1060	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-88	25-OCT-88	27-NOV-90	27-NOV-90	27-NOV-90
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.66	1380010.66	1380010.66	1380010.66	1380010.66
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					EMGW_SYSGEN_161
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										297 MG/L		NV			
AMMONIA				.1 MG/L		U				.02 MG/L		UNV			
CHLORIDE				25 MG/L		-				25 MG/L		NV			
FLUORIDE				.32 MG/L		-				.16 MG/L		NV			
NITRATE				.235 MG/L		J				.03 MG/L		NV			
NITRATE/NITRITE										.03 MG/L		NV			
PH				.01 MG/L		U				7.04 SU		NV			
PHENOLS				.01 MG/L		U				.006 MG/L		NV			
PHOSPHORUS				.02 MG/L		U				.12 MG/L		NV			
SPECIFIC CONDUCTIVITY										620 UMHOS/CM		NV			
SULFATE				53 MG/L		J				79 MG/L		NV			
TOTAL DISSOLVED SOLIDS										464 MG/L		NV			
TOTAL KJELDAHL NITROGEN				.319 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				.319 MG/L		-									
INORGANICS															
ARSENIC	.002 MG/L		U												
BARIUM	.059 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			
IRON	.069 MG/L		-												
LEAD	.002 MG/L		-												
MAGNESIUM	33.8 MG/L		-												
MANGANESE	.019 MG/L		-												
MERCURY	.0002 MG/L		U												

SAMPLE NUMBER:	003695			003695			EMGW_SYSGEN_161			EMGW_SYSGEN_161			EMGW_SYSGEN_161D		
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															
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	20 MG/L		J												
SELENIUM	.002 MG/L		U												
SILVER	.01 MG/L		UJ												
SODIUM	14.7 MG/L		-												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1 PCI/L		U	.322 PCI/L		NV				.406 PCI/L		NV
URANIUM, TOTAL				1 UG/L		U	.879 UG/L		NV				.824 UG/L		NV
URANIUM-234				1 PCI/L		U	.542 PCI/L		NV				.372 PCI/L		NV
THORIUM-230				1 PCI/L		U	.31 PCI/L		UNV				.652 PCI/L		NV
RADIUM-226				1 PCI/L		U	1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U	.2 PCI/L		UNV				.23 PCI/L		UNV
THORIUM-232				1 PCI/L		U	.31 PCI/L		UNV				.38 PCI/L		UNV
THORIUM, TOTAL				2 UG/L		U	2.8 UG/L		UNV				3.4 UG/L		UNV
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228				1 PCI/L		U	.343 PCI/L		NV				.38 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							5.4 PCI/L		UNV				5 PCI/L		UNV
GROSS BETA							9.49 PCI/L		NV				13.9 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			

SAMPLE NUMBER:	003695			003695			EMGW_SYSGEN_161			EMGW_SYSGEN_161			EMGW_SYSGEN_161D		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_161D	30929-1060-02	30929F1060-02	30929F1060-03	30929F1060-05
TASK:	GWMON	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	NET	DATACHEM	DATACHEM	CORE	FERMCO
WELL OR BORING NUMBER:	1060	1060	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-NOV-90	29-SEP-93	29-SEP-93	29-SEP-93	29-SEP-93
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.66	1380010.66	1380010.66	1380010.66	1380010.66
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	EMGW_SYSGEN_161				
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	289 MG/L		NV	430 MG/L		-									
AMMONIA	.04 MG/L		NV	.13 MG/L		-									
CHLORIDE	23 MG/L		NV	39 MG/L		-									
FLUORIDE	.23 MG/L		NV	.3 MG/L		-									
NITRATE/NITRITE	.03 MG/L		NV	.07 MG/L		-									
PH	7.1 SU		NV	.002 MG/L		U									
PHENOLS	.009 MG/L		NV	.002 MG/L		U									
PHOSPHORUS	.14 MG/L		NV	3.2 MG/L		J									
SPECIFIC CONDUCTIVITY	602 UMHOS/CM		NV												
SULFATE	78 MG/L		NV	85 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL DISSOLVED SOLIDS	496 MG/L		NV												
TOTAL KJELDAHL NITROGEN				2.2 MG/L		-									
TOTAL ORGANIC CARBON	2 MG/L		NV	3 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
ALUMINUM							.0375 MG/L		-						
ANTIMONY							.0222 MG/L		U						
ARSENIC							.001 MG/L		U						
BARIUM							.0677 MG/L		-						
BERYLLIUM							.0003 MG/L		U						
CADMIUM							.0012 MG/L		UJ						
CALCIUM							155 MG/L		-						
CHROMIUM							.0032 MG/L		U						
COBALT							.0053 MG/L		U						
COPPER							.0026 MG/L		U						
CYANIDE	.005 MG/L		UNV				.01 MG/L		U						
IRON							.0789 MG/L		-						
LEAD							.0014 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_161D			30929-1060-02			30929F1060-02			30929F1060-03			30929F1060-05		
LAB:	NET			DATACHEM			DATACHEM			CORE			FERMCO		
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															
MAGNESIUM							46.3 MG/L		-						
MANGANESE							.1 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.0147 MG/L		U						
NICKEL							.015 MG/L		U						
POTASSIUM							17.2 MG/L		-						
SELENIUM							.0017 MG/L		UJ						
SILICON							7.43 MG/L		-						
SILVER							.0032 MG/L		U						
SODIUM							24.1 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.0029 MG/L		U						
ZINC							.0402 MG/L		-						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238										.5 PCI/L	1.6	R			
URANIUM, TOTAL										1.4 UG/L	.1	-	1.2 UG/L		UNV
URANIUM-234										.5 PCI/L	.2	R			
THORIUM-230										.2 PCI/L	.2	UJ			
RADIUM-226										1 PCI/L	.3	UJ			
URANIUM-235/236										.1 PCI/L	.5	R			
THORIUM-232										.2 PCI/L	.3	UJ			
RADIUM-228										3 PCI/L	.9	U			
THORIUM-228										.2 PCI/L	.5	R			
TECHNETIUM-99										15 PCI/L	7.3	U			
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		UJ									

SAMPLE NUMBER:	EMGW_SYSGEN_161D			30929-1060-02			30929F1060-02			30929F1060-03			30929F1060-05		
LAB:	NET			DATACHEM			DATACHEM			CORE			FERMCO		
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															
4-METHYL-2-PENTANONE	2 UG/L		UNV	10 UG/L		U									
ACETONE	2 UG/L		UNV	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									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30929U1060-02	30929U1060-03	30929U1060-05	003001	003001
TASK:	50.03.23	50.03.23	50.03.23	9.8	9.8
LAB:	DATACHEM	CORE	FERMCO	UNKNOWN	WMCO
WELL OR BORING NUMBER:	1060	1060	1060	1060	1060
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-SEP-93	29-SEP-93	29-SEP-93	30-NOV-87	30-NOV-87
NORTH COORDINATE:	475865.6	475865.6	475865.6	475865.6	475865.6
EAST COORDINATE:	1380010.66	1380010.66	1380010.66	1380010.66	1380010.66
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										27 MG/L		NV			
PH										7.44 SU		NV			
SPECIFIC CONDUCTIVITY										620 UMHOS/CM		NV			
TOTAL DISSOLVED SOLIDS													490 MG/L		NV
INORGANICS															
ALUMINUM	2.29 MG/L		-												
ANTIMONY	.0222 MG/L		U												
ARSENIC	.0031 MG/L		-												
BARIUM	.095 MG/L		-												
BERYLLIUM	.0003 MG/L		U												
CADMIUM	.0012 MG/L		UJ												
CALCIUM	172 MG/L		-												
CHROMIUM	.0032 MG/L		U												
COBALT	.0053 MG/L		U												
COPPER	.0164 MG/L		-												
CYANIDE	.01 MG/L		U												
IRON	6.35 MG/L		-												
LEAD	.141 MG/L		-												
MAGNESIUM	50.7 MG/L		-												
MANGANESE	.205 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.0147 MG/L		U												
NICKEL	.015 MG/L		U							.005 MG/L		UNV			
POTASSIUM	17.2 MG/L		-												
SELENIUM	.0018 MG/L		UJ												
SILICON	10.7 MG/L		-												
SILVER	.0032 MG/L		U												
SODIUM	23.8 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0051 MG/L		-												

SAMPLE NUMBER:	30929U1060-02			30929U1060-03			30929U1060-05			003001			003001		
LAB:	DATACHEM			CORE			FERMCO			UNKNOWN			WMCO		
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															
ZINC	.352 MG/L		-												
No sort code listed.															
ALACHLOR										2000 UG/L		UNV			
CARBOFURAN										1000000 NG/L		UNV			
FONOFOS										1000 UG/L		UNV			
SIMIZINE										1000 UG/L		UNV			
TERBUFOS										1000 UG/L		UNV			
PESTICIDES															
GAMMA-BHC (LINDANE)										200 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				2.5 PCI/L	1.7	J									
URANIUM, TOTAL				7.9 UG/L	.6	-	7.5 UG/L		UNV						
URANIUM-234				2.6 PCI/L	.4	J									
THORIUM-230				.2 PCI/L	.2	UJ									
RADIUM-226				1.8 PCI/L	.5	J									
URANIUM-235/236				.2 PCI/L	.5	R									
THORIUM-232				.2 PCI/L	.3	UJ									
RADIUM-228				3 PCI/L	.9	U									
THORIUM-228				.2 PCI/L	.5	R									
TECHNETIUM-99				15 PCI/L	6.8	U									
GROSS BETA										4 PCI/L		NV			
RADIUM, TOTAL										1 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003001	EMGW_SYSGEN_165	EMGW_SYSGEN_165	EMGW_SYSGEN_165	GW930405-1
TASK:	9.8	GWMON	GWMON	GWMON	50.03.23
LAB:	WMCO	NET	NET	WMCO	CORE
WELL OR BORING NUMBER:	1060	1064	1064	1064	1064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-NOV-87	04-FEB-92	04-FEB-92	04-FEB-92	06-APR-93
NORTH COORDINATE:	475865.6	480718.78	480718.78	480718.78	480718.78
EAST COORDINATE:	1380010.66	1382193.03	1382193.03	1382193.03	1382193.03
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							372 MG/L		NV						
AMMONIA							.02 MG/L		UNV						
CHEMICAL OXYGEN DEMAND	10 MG/L		UNV												
CHLORIDE							7 MG/L		NV						
FLUORIDE	.18 MG/L		NV				.68 MG/L		NV						
HEXAVALENT CHROMIUM	.005 MG/L		UNV												
NITRATE	.02 MG/L		UNV				.04 MG/L		NV						
NITRATE, AS NITROGEN							.04 MG/L		NV						
PH	.005 MG/L		UNV				7.21 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS	.02 MG/L		UNV				.31 MG/L		NV						
SPECIFIC CONDUCTIVITY							871 UMHOS/CM		NV						
SULFATE	88 MG/L		NV				120 MG/L		NV						
TOTAL DISSOLVED SOLIDS							552 MG/L		NV						
TOTAL ORGANIC CARBON	1 MG/L		UNV				17 MG/L		NV						
TOTAL ORGANIC HALIDES	.01 MG/L		UNV												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
HERBICIDES															
2,4,5-TP (SILVEX)	500 UG/L		UNV												
2,4-D	1000 UG/L		UNV												
INORGANICS															
ALUMINUM				.2 MG/L		UNV	4.3 MG/L		NV						
ANTIMONY				.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC	.003 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				.005 MG/L		UNV	.005 MG/L		UNV						
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
CALCIUM	113 MG/L		NV	94.6 MG/L		NV	101 MG/L		NV						

SAMPLE NUMBER:	003001			EMGW_SYSGEN_165			EMGW_SYSGEN_165			EMGW_SYSGEN_165			GW930405-1		
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															
CHROMIUM	.005 MG/L		UNV				.0089 MG/L		NV						
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						
COPPER	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
CYANIDE	.006 MG/L		NV				.005 MG/L		UNV						
IRON	2.73 MG/L		NV	.1 MG/L		UNV	6.44 MG/L		NV						
LEAD	.005 MG/L		UNV	.003 MG/L		UNV	.003 MG/L		UNV						
MAGNESIUM	25.1 MG/L		NV	36.3 MG/L		NV	38 MG/L		NV						
MANGANESE	.343 MG/L		NV	.064 MG/L		NV	.264 MG/L		NV						
MERCURY	.0003 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	.018 MG/L		NV						
POTASSIUM	1.64 MG/L		NV	1.7 MG/L		NV	2.8 MG/L		NV						
SELENIUM	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
SILVER	.03 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM	7.19 MG/L		NV	21.7 MG/L		NV	21.7 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC	.092 MG/L		NV	.041 MG/L		NV	.02 MG/L		UNV						
No sort code listed.															
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															
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													2.5 PCI/L	.4	J

SAMPLE NUMBER:	003001			EMGW_SYSGEN_165			EMGW_SYSGEN_165			EMGW_SYSGEN_165			GW930405-1		
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)
RADIONUCLIDES															
URANIUM, TOTAL										6 UG/L		NV	7.6 UG/L	.5	-
URANIUM-234													2.9 PCI/L	.5	J
THORIUM-230													.2 PCI/L	.2	UJ
RADIUM-226													1 PCI/L	.2	UJ
URANIUM-235/236													.2 PCI/L	.3	UJ
THORIUM-232													.2 PCI/L	.1	UJ
RADIUM-228													3.8 PCI/L	1.4	-
THORIUM-228													.3 PCI/L	.1	UJ
TECHNETIUM-99													15 PCI/L	7.4	U
GROSS ALPHA	1 PCI/L		UNV										4 PCI/L	2.5	UNV
GROSS BETA													5.2 PCI/L	2.4	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 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:	003001			EMGW_SYSGEN_165			EMGW_SYSGEN_165			EMGW_SYSGEN_165			GW930405-1		
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															
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 1 WELLS

SAMPLE NUMBER:	GW930405-1	GW930405-1	GW930405-1	GW930405-1	GW930405-1
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:	1064	1064	1064	1064	1064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-APR-93	06-APR-93	06-APR-93	06-APR-93	06-APR-93
NORTH COORDINATE:	480718.78	480718.78	480718.78	480718.78	480718.78
EAST COORDINATE:	1382193.03	1382193.03	1382193.03	1382193.03	1382193.03
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													420 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													420 MG/L		-
CARBONATE ALKALINITY													30 MG/L		U
CHLORIDE													2.7 MG/L		-
FLUORIDE													.58 MG/L		-
NITRATE/NITRITE													.058 MG/L		-
PH													7.6 SU		-
PHENOLS													.15 MG/L		U
PHOSPHORUS													.03 MG/L		U
SPECIFIC CONDUCTIVITY													760 UMHOS/CM		-
SULFATE													100 MG/L		-
TOTAL DISSOLVED SOLIDS										510 MG/L		-			
TOTAL ORGANIC CARBON													1.2 MG/L		-
TOTAL ORGANIC HALIDES													.045 MG/L		U
TOTAL ORGANIC NITROGEN													0 MG/L		-
TOTAL SOLIDS													510 MG/L		-
INORGANICS															
ALUMINUM										.036 MG/L		U	.0828 MG/L		-
ANTIMONY										.031 MG/L		U	.031 MG/L		UJ
ARSENIC										.002 MG/L		U	.0035 MG/L		-
BARIUM										.0355 MG/L		-	.0376 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.002 MG/L		U	.002 MG/L		U
CALCIUM										98.5 MG/L		J	94.1 MG/L		-
CHROMIUM										.003 MG/L		U	.0059 MG/L		-
COBALT										.008 MG/L		U	.008 MG/L		-
COPPER										.004 MG/L		U	.004 MG/L		-
CYANIDE										.02 MG/L		U	.02 MG/L		-
IRON										.012 MG/L		U	.171 MG/L		-

SAMPLE NUMBER:	GW930405-1			GW930405-1			GW930405-1			GW930405-1			GW930405-1		
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															
LEAD										.001 MG/L		U	.001 MG/L		U
MAGNESIUM										62.1 MG/L		-	62 MG/L		-
MANGANESE										.002 MG/L		U	.0035 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										1.67 MG/L		-	2.22 MG/L		-
SELENIUM										.0011 MG/L		J	.0011 MG/L		U
SILVER										.003 MG/L		U	.003 MG/L		U
SODIUM										18.5 MG/L		-	17.9 MG/L		-
THALLIUM										.002 MG/L		UJ	.002 MG/L		U
VANADIUM										.007 MG/L		U	.007 MG/L		U
ZINC										.002 MG/L		-	.005 MG/L		U
RADIONUCLIDES															
URANIUM-238	1.9 PCI/L	.3	J												
URANIUM, TOTAL	7.1 UG/L	.5	J	7.5 UG/L		NV	6.7 UG/L		NV						
URANIUM-234	2.7 PCI/L	.4	J												
THORIUM-230	.2 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.3	UJ												
URANIUM-235/236	.2 PCI/L	.2	UJ												
THORIUM-232	.3 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	1.2	U												
THORIUM-228	.3 PCI/L	.1	UJ												
TECHNETIUM-99	14.3 PCI/L	5.8	R												
GROSS ALPHA	4.4 PCI/L	2.6	UNV												
GROSS BETA	4 PCI/L	2.4	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
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

SAMPLE NUMBER:	GW930405-1			GW930405-1			GW930405-1			GW930405-1			GW930405-1		
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															
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 1 WELLS

SAMPLE NUMBER:	066833	GW930112-1	GW930112-1	GW930112-1	GW930112-1
TASK:	9.27	RCRA	RCRA	RCRA	RCRA
LAB:	IT	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	1064	1064	1064	1064	1064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JAN-90	12-JAN-93	12-JAN-93	12-JAN-93	12-JAN-93
NORTH COORDINATE:	480718.78	480718.78	480718.78	480718.78	480718.78
EAST COORDINATE:	1382193.03	1382193.03	1382193.03	1382193.03	1382193.03
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													366 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA													.02 MG/L		UNV
BICARBONATE ALKALINITY													470 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE													5 MG/L		NV
FLUORIDE													.7 MG/L		NV
NITRATE													.03 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													908 UMHOS/CM		NV
SULFATE													130 MG/L		NV
TOTAL DISSOLVED SOLIDS										480 MG/L		NV			
TOTAL ORGANIC CARBON													19 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL SOLIDS													543 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	.21 MG/L		NV
BERYLLIUM										.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										98 MG/L		NV	93 MG/L		NV
CHROMIUM										.002 MG/L		UNV	.0026 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:	066833			GW930112-1			GW930112-1			GW930112-1			GW930112-1		
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															
IRON										.1 MG/L		UNV	.13 MG/L		NV
LEAD										.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM										60.2 MG/L		NV	59.4 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													2.5 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-238	2.81 PCI/L	.55	-												
URANIUM, TOTAL	9.91 UG/L	1.07	J	9.4 UG/L		NV	5.8 UG/L		NV						
URANIUM-234	3.9 PCI/L	.69	R												
THORIUM-230	1.46 PCI/L	.49	-	.8 PCI/L	.3	NV									
RADIUM-226				1 PCI/L	.3	UNV									
URANIUM-235/236	1 PCI/L		U												
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				2 UG/L		NV									
RADIUM-228				3 PCI/L	1.2	UNV									
THORIUM-228	1 PCI/L		U	.2 PCI/L	.1	UNV									
TECHNETIUM-99	30 PCI/L		U												

SAMPLE NUMBER:	066833			GW930112-1			GW930112-1			GW930112-1			GW930112-1		
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															
GROSS ALPHA				4 PCI/L	2.3	NV									
GROSS BETA				2.9 PCI/L	2.6	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
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:	EMGW_SYSGEN_164			004123			004140			004140			EMGW_SYSGEN_163		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			GWMON		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1064			1064			1064			1064			1064		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-OCT-90			24-MAY-89			25-MAY-89			25-MAY-89			26-APR-90		
NORTH COORDINATE:	480718.78			480718.78			480718.78			480718.78			480718.78		
EAST COORDINATE:	1382193.03			1382193.03			1382193.03			1382193.03			1382193.03		
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	358 MG/L		NV												
AMMONIA	.02 MG/L		UNV							.14 MG/L		J			
CHLORIDE	5 MG/L		NV							6 MG/L		J			
FLUORIDE	.57 MG/L		NV							.74 MG/L		J			
NITRATE	.04 MG/L		NV							.75 MG/L		J			
NITRATE/NITRITE	.04 MG/L		NV												
PH	6.78 SU		NV							.0227 MG/L		J			
PHENOLS	.005 MG/L		UNV							.0227 MG/L		J			
PHOSPHORUS	.86 MG/L		NV							5.027 MG/L		J			
SPECIFIC CONDUCTIVITY	865 UMHOS/CM		NV												
SULFATE	112 MG/L		NV							121 MG/L		J			
SULFIDE										.1 MG/L		UJ			
TOTAL DISSOLVED SOLIDS	540 MG/L		NV												
TOTAL KJELDAHL NITROGEN										2.14 MG/L		J			
TOTAL ORGANIC CARBON	2 MG/L		NV							1 MG/L		UJ			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN										2.06 MG/L		J			
INORGANICS															
ARSENIC							.002 MG/L		UJ						
BARIUM							.0647 MG/L		J						
CADMIUM							.0099 MG/L		J						
CALCIUM							100 MG/L		J						
CHROMIUM							.0403 MG/L		J						
COPPER							.0157 MG/L		J						
CYANIDE	.005 MG/L		UNV												
IRON							.362 MG/L		J						
LEAD							.118 MG/L		J						
MAGNESIUM							63.4 MG/L		J						
MANGANESE							.1036 MG/L		J						

SAMPLE NUMBER:	EMGW_SYSGEN_164			004123			004140			004140			EMGW_SYSGEN_163		
LAB:	NET			IT			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															
MERCURY							.0008 MG/L		J						
MOLYBDENUM							.0118 MG/L		J						
NICKEL							.0401 MG/L		J						
POTASSIUM							2.5 MG/L		J						
SELENIUM							.002 MG/L		UJ						
SILVER							.0138 MG/L		J						
SODIUM							21.3 MG/L		J						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238				5 PCI/L	.8	-							2.26 PCI/L		NV
URANIUM, TOTAL				14 UG/L	4	-							5.2 UG/L		NV
URANIUM-234				6.4 PCI/L	1	-							3.17 PCI/L		NV
THORIUM-230				1 PCI/L		UJ							.728 PCI/L		NV
RADIUM-226				5.1 PCI/L	.8	-							1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		U							.22 PCI/L		UNV
THORIUM-232				1 PCI/L		UJ							.5 PCI/L		UNV
THORIUM, TOTAL				2 UG/L		UJ							4.6 UG/L		UNV
RADIUM-228				5.4 PCI/L	1.8	J							3 PCI/L		UNV
THORIUM-228				1 PCI/L		UJ							.574 PCI/L		NV
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									
GROSS ALPHA													15 PCI/L		UNV
GROSS BETA													27 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												

SAMPLE NUMBER:	EMGW_SYSGEN_164			004123			004140			004140			EMGW_SYSGEN_163		
LAB:	NET			IT			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															
1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_163	004000	004000	112013	112013
TASK:	GWMON	3.2.4	3.2.4	20.03.05	20.03.05
LAB:	NET	IT	IT	IT	IT/MWL
WELL OR BORING NUMBER:	1064	1064	1064	1065	1065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-APR-90	29-MAR-89	29-MAR-89	04-MAY-93	04-MAY-93
NORTH COORDINATE:	480718.78	480718.78	480718.78	477860.01	477860.01
EAST COORDINATE:	1382193.03	1382193.03	1382193.03	1380415.98	1380415.98
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							.147 MG/L		-						
CHLORIDE	4 MG/L		NV				4 MG/L		-						
FLUORIDE							.66 MG/L		-						
NITRATE	.05 MG/L		NV				.15 MG/L		J						
NITRATE, AS NITROGEN	.05 MG/L		NV												
PHENOLS							.01 MG/L		U						
PHOSPHORUS							3.73 MG/L		J						
SULFATE	174 MG/L		NV				403 MG/L		-						
TOTAL KJELDAHL NITROGEN							1.65 MG/L		-						
TOTAL ORGANIC CARBON	2 MG/L		NV												
TOTAL ORGANIC HALIDES							.0039 MG/L		-						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							1.5 MG/L		-						
INORGANICS															
ALUMINUM										.774 MG/L		-			
ANTIMONY										.0041 MG/L		UJ			
ARSENIC				.002 MG/L		U				.001 MG/L		U			
BARIUM				.0805 MG/L		-				.0486 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM				.0085 MG/L		-				.034 MG/L		-			
CALCIUM				103 MG/L		-				106 MG/L		-			
CHROMIUM				.0128 MG/L		-				.0046 MG/L		-			
COBALT										.003 MG/L		U			
COPPER				.0193 MG/L		U				.0099 MG/L		U			
CYANIDE										.001 MG/L		U			
IRON				.137 MG/L		U				1.82 MG/L		-			
LEAD				.002 MG/L		U				.0016 MG/L		-			
MAGNESIUM				62.8 MG/L		-				35.5 MG/L		-			
MANGANESE				.281 MG/L		-				.0559 MG/L		-			
MERCURY				.00101 MG/L		J				.0002 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_163			004000			004000			112013			112013		
LAB:	NET			IT			IT			IT			IT/MWL		
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				.008 MG/L		-				.0041 MG/L		U			
NICKEL				.0308 MG/L		-				.0072 MG/L		-			
POTASSIUM				2.23 MG/L		-				.894 MG/L		U			
SELENIUM				.002 MG/L		R				.001 MG/L		U			
SILICON										6.61 MG/L		-			
SILVER				.0005 MG/L		U				.002 MG/L		U			
SODIUM				23.8 MG/L		-				8.81 MG/L		-			
THALLIUM										.001 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.122 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							3.3 PCI/L	.9	-	.5336 PCI/L	.2298	J			
URANIUM, TOTAL							9 UG/L	2	-	1.364 UG/L	.15	-			
URANIUM-234							4.2 PCI/L	1.1	-	.5376 PCI/L	.2294	J			
THORIUM-230							1 PCI/L		U	.3656 PCI/L	.1936	U			
RADIUM-226							1 PCI/L		U	1 PCI/L	.0802	UJ			
URANIUM-235/236							1 PCI/L		U	.2 PCI/L	.0526	UJ			
THORIUM-232							1 PCI/L		U	.2 PCI/L	.07724	UJ			
THORIUM, TOTAL							3 UG/L		U	1.116 UG/L	.704	UJ			
RADIUM-228							3 PCI/L		UJ	3 PCI/L	.888	UJ			
THORIUM-228							1 PCI/L		U	.2 PCI/L	.0919	UJ			
NEPTUNIUM-237							1 PCI/L		U	.5 PCI/L	.1375	UJ			
PLUTONIUM-239/240							1 PCI/L		U	.5 PCI/L	.08973	U			
PLUTONIUM-238							1 PCI/L		U	.5 PCI/L	.0847	UJ			
STRONTIUM-90							5 PCI/L		U	1 PCI/L	.487	UJ			
TECHNETIUM-99							30 PCI/L		U	15 PCI/L	6.22	UJ			
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UJ			
CESIUM-137							20 PCI/L		R	10.5 PCI/L		UJ			
GROSS ALPHA										-.532 PCI/L	4.39	UJ			
GROSS BETA										5.03 PCI/L	3.73	UJ			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		U
1,2-DICHLOROBENZENE													10 UG/L		U
1,3-DICHLOROBENZENE	1 UG/L		UNV										10 UG/L		U
1,4-DICHLOROBENZENE	1 UG/L		UNV										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:	EMGW_SYSGEN_163			004000			004000			112013			112013		
LAB:	NET			IT			IT			IT			IT/MWL		
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													25 UG/L		R
2,4-DINITROTOLUENE													10 UG/L		U
2,6-DINITROTOLUENE													10 UG/L		U
2-CHLOROETHYLVINYL ETHER	60 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		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		R
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		R
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

SAMPLE NUMBER:	EMGW_SYSGEN_163			004000			004000			112013			112013		
LAB:	NET			IT			IT			IT			IT/MWL		
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															
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							.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-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 1 WELLS

SAMPLE NUMBER:	112013	112013	112014	112014	113292
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT/RSL	ITAS	IT	IT	FERMCO
WELL OR BORING NUMBER:	1065	1065	1065	1065	1065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAY-93	04-MAY-93	04-MAY-93	04-MAY-93	04-MAY-93
NORTH COORDINATE:	477860.01	477860.01	477860.01	477860.01	477860.01
EAST COORDINATE:	1380415.98	1380415.98	1380415.98	1380415.98	1380415.98
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				360 MG/L		-									
AMMONIA				.1 MG/L		U									
CHLORIDE				2.77 MG/L		-									
FLUORIDE				.23 MG/L		-									
NITRATE				.1 MG/L		R									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.08 MG/L		-									
SULFATE				71.7 MG/L		-									
SULFIDE				.5 MG/L		U									
TOTAL KJELDAHL NITROGEN				.34 MG/L		-									
TOTAL ORGANIC CARBON				1.15 MG/L		-									
TOTAL ORGANIC HALIDES				.0114 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.34 MG/L		-									
INORGANICS															
ALUMINUM							.069 MG/L		U						
ANTIMONY							.0141 MG/L		J						
ARSENIC							.001 MG/L		U						
BARIUM							.0475 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.002 MG/L		U						
CALCIUM							108 MG/L		-						
CHROMIUM							.004 MG/L		U						
COBALT							.003 MG/L		U						
COPPER							.0088 MG/L		U						
CYANIDE										.001 MG/L		R			
IRON							.0906 MG/L		U						
LEAD							.001 MG/L		U						
MAGNESIUM							37.9 MG/L		-						
MANGANESE							.0039 MG/L		U						
MERCURY							.0002 MG/L		U						

SAMPLE NUMBER:	112013			112013			112014			112014			113292		
LAB:	IT/RSL			ITAS			IT			IT			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)
INORGANICS															
MOLYBDENUM							.003 MG/L		U						
NICKEL							.003 MG/L		U						
POTASSIUM							.632 MG/L		U						
SELENIUM							.001 MG/L		U						
SILICON							5.67 MG/L		-						
SILVER							.002 MG/L		U						
SODIUM							8.04 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.0066 MG/L		U						
ZINC							.0372 MG/L		-						
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												
HEPTACHLOR	.05 UG/L		U												
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238										.467 PCI/L	.2144	-			
URANIUM, TOTAL										1.101 UG/L	.117	-	1.4 UG/L		
URANIUM-234										.6399 PCI/L	.258	-			

SAMPLE NUMBER:	112013			112013			112014			112014			113292		
LAB:	IT/RSL			ITAS			IT			IT			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															
THORIUM-230										.2 PCI/L	.1243	UJ			
RADIUM-226										1 PCI/L	.0359	UJ			
URANIUM-235/236										.2 PCI/L	.04598	UJ			
THORIUM-232										.2 PCI/L	.1007	UJ			
THORIUM, TOTAL										.92 UG/L	.92	UJ			
RADIUM-228										3 PCI/L	1.8	UJ			
THORIUM-228										.2 PCI/L	.07152	UJ			
NEPTUNIUM-237										.5 PCI/L	.18	UJ			
PLUTONIUM-239/240										.5 PCI/L	.0403	UJ			
PLUTONIUM-238										.5 PCI/L	.0957	UJ			
STRONTIUM-90										1.82 PCI/L	.535	U			
TECHNETIUM-99										15 PCI/L	6.51	UJ			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										10.135 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	16 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		R												
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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	112013			112013			112014			112014			113292		
LAB:	IT/RSL			ITAS			IT			IT			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															
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:	113293	066834	003136	003136	EMGW_SYSGEN_167
TASK:	20.03.05	9.27	3.2.4	3.2.4	GWMON
LAB:	FERMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	1065	1065	1065	1065	1065
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-MAY-93	13-DEC-89	14-APR-88	14-APR-88	16-APR-90
NORTH COORDINATE:	477860.01	477860.01	477860.01	477860.01	477860.01
EAST COORDINATE:	1380415.98	1380415.98	1380415.98	1380415.98	1380415.98
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										.5 MG/L		UJ			
FLUORIDE										.35 MG/L		-			
NITRATE										.1 MG/L		UJ			
PHENOLS										.02 MG/L		-			
PHOSPHORUS										.05 MG/L		UJ			
SULFATE										10 MG/L		J			
TOTAL ORGANIC NITROGEN										.1 MG/L		-			
INORGANICS															
ARSENIC							.2 MG/L		UJ						
BARIUM							.034 MG/L		J						
CADMIUM							.005 MG/L		UJ						
CALCIUM							89 MG/L		J						
CHROMIUM							.02 MG/L		UJ						
COPPER							.01 MG/L		UJ						
IRON							.005 MG/L		UJ						
LEAD							.05 MG/L		UJ						
MAGNESIUM							29.5 MG/L		J						
MANGANESE							.02 MG/L		UJ						
MERCURY							.0002 MG/L		UJ						
MOLYBDENUM							.02 MG/L		UJ						
NICKEL							.02 MG/L		UJ						
POTASSIUM							1.05 MG/L		J						
SELENIUM							.2 MG/L		UJ						
SILVER							.04 MG/L		J						
SODIUM							5.71 MG/L		J						
RADIONUCLIDES															
URANIUM-238				1.07 PCI/L	.28	-				1 PCI/L		U	1.25 PCI/L		NV

SAMPLE NUMBER:	113293			066834			003136			003136			EMGW_SYSGEN_167		
LAB:	FERMCO			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL	1.3 UG/L		UNV	5.33 UG/L	.57	-				1 UG/L	1	-	3.77 UG/L		NV
URANIUM-234				1.06 PCI/L	.28	-				1 PCI/L		U	1.25 PCI/L		NV
THORIUM-230				1 PCI/L		U				1 PCI/L		U	1.07 PCI/L		NV
RADIUM-226										.4 PCI/L	.5	R	1.14 PCI/L		NV
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U	.29 PCI/L		UNV
THORIUM-232										1 PCI/L		U	.907 PCI/L		NV
THORIUM, TOTAL													8.18 UG/L		NV
RADIUM-228										3 PCI/L	1.3	U	3 PCI/L		UNV
THORIUM-228				1.04 PCI/L	.56	J				1 PCI/L		U	1.07 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										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			
4-METHYL-2-PENTANONE										10 UG/L		UJ			
ACETONE										10 UG/L		R			
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										5 UG/L		UJ			
STYRENE										5 UG/L		UJ			
TETRACHLOROETHENE										5 UG/L		UJ			

001202

SAMPLE NUMBER:	113293			066834			003136			003136			EMGW_SYSGEN_167		
LAB:	FERMCO			IT			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															
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:	EMGW_SYSGEN_167			EMGW_SYSGEN_168			EMGW_SYSGEN_168D			003860			003860		
TASK:	GWMON			GWMON			GWMON			3.2.4			3.2.4		
LAB:	NET			NET			NET			IT			IT		
WELL OR BORING NUMBER:	1065			1065			1065			1065			1065		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-APR-90			16-OCT-90			16-OCT-90			22-JAN-89			22-JAN-89		
NORTH COORDINATE:	477860.01			477860.01			477860.01			477860.01			477860.01		
EAST COORDINATE:	1380415.98			1380415.98			1380415.98			1380415.98			1380415.98		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			NORMAL			NORMAL		
QC OF:							EMGW_SYSGEN_168								
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				326 MG/L		NV	312 MG/L		NV						
AMMONIA				.02 MG/L		UNV	.03 MG/L		NV				.1 MG/L		U
CHLORIDE	8 MG/L		NV	4 MG/L		NV	6 MG/L		NV				4.8 MG/L		-
FLUORIDE				1 MG/L		NV	1.03 MG/L		NV				.4 MG/L		-
NITRATE	.02 MG/L		NV	.07 MG/L		NV	.07 MG/L		NV				.06 MG/L		J
NITRATE, AS NITROGEN	.02 MG/L		NV												
NITRATE/NITRITE				.07 MG/L		NV	.07 MG/L		NV						
PH				6.97 SU		NV	6.99 SU		NV				.01 MG/L		U
PHENOLS				.005 MG/L		UNV	.005 MG/L		UNV				.01 MG/L		U
PHOSPHORUS				2.23 MG/L		NV	1.32 MG/L		NV				.1 MG/L		U
SPECIFIC CONDUCTIVITY				820 UMHOS/CM		NV	818 UMHOS/CM		NV						
SULFATE	58 MG/L		NV	52 MG/L		NV	60 MG/L		NV				89 MG/L		-
TOTAL DISSOLVED SOLIDS				690 MG/L		NV	580 MG/L		NV						
TOTAL KJELDAHL NITROGEN													.1 MG/L		U
TOTAL ORGANIC CARBON	3 MG/L		NV	3 MG/L		NV	2 MG/L		NV						
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN													.1 MG/L		U
INORGANICS															
ARSENIC										.002 MG/L		U			
BARIUM										.042 MG/L		-			
CADMIUM										.006 MG/L		-			
CALCIUM										97.4 MG/L		-			
CHROMIUM										.023 MG/L		-			
COPPER										.019 MG/L		-			
CYANIDE				.005 MG/L		UNV	.005 MG/L		UNV						
IRON										.045 MG/L		U			
LEAD										.002 MG/L		UJ			
MAGNESIUM										31.3 MG/L		-			
MANGANESE										.008 MG/L		-			

001203

6416

SAMPLE NUMBER:	EMGW_SYSGEN_167			EMGW_SYSGEN_168			EMGW_SYSGEN_168D			003860			003860		
LAB:	NET			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															
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										.891 MG/L		-			
SELENIUM										.002 MG/L		U			
SILVER										.0005 MG/L		U			
SODIUM										8.6 MG/L		-			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV	1 UG/L		UNV	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													1.2 PCI/L		UJ
RADIUM-226													1 PCI/L		U
URANIUM-235/236													1 PCI/L		U
THORIUM-232													1.2 PCI/L		UJ
THORIUM, TOTAL													11 UG/L		UJ
RADIUM-228													3.1 PCI/L		UJ
THORIUM-228													1.2 PCI/L		UJ
NEPTUNIUM-237													1.2 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
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															
1,3-DICHLOROBENZENE	1 UG/L		UNV												
1,4-DICHLOROBENZENE	1 UG/L		UNV												
2-CHLOROETHYLVINYL ETHER	60 UG/L		UNV	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 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						

SAMPLE NUMBER:	EMGW_SYSGEN_167			EMGW_SYSGEN_168			EMGW_SYSGEN_168D			003860			003860		
LAB:	NET			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	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	1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV	1 UG/L		UNV	1 UG/L		UNV						
BROMOMETHANE	1 UG/L		UNV	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	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	1 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	1 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	1 UG/L		UNV						
TRICHLOROETHENE	1 UG/L		UNV	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	1 UG/L		UNV						
XYLENES, TOTAL				1 UG/L		UNV	1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003775	003775	003951	003951	120458
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	50.03.23
LAB:	IT	IT	IT	IT	DATACHEM
WELL OR BORING NUMBER:	1073	1073	1073	1073	1073
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-DEC-88	04-DEC-88	12-MAR-89	12-MAR-89	15-JUL-93
NORTH COORDINATE:	481417.66	481417.66	481417.66	481417.66	481417.66
EAST COORDINATE:	1378202.78	1378202.78	1378202.78	1378202.78	1378202.78
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				62.3 MG/L		-				54.6 MG/L		-			
CHLORIDE				1030 MG/L		R				1170 MG/L		-			
FLUORIDE				6.25 MG/L		-				7.25 MG/L		-			
NITRATE				94.8 MG/L		-				197 MG/L		-			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.493 MG/L		-									
SULFATE				612 MG/L		-				428 MG/L		-			
TOTAL KJELDAHL NITROGEN				37.6 MG/L		-				.1 MG/L		U			
TOTAL ORGANIC HALIDES				.13 MG/L		-				.18 MG/L		-			
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM													.06 MG/L		U
ANTIMONY													.0157 MG/L		U
ARSENIC	.002 MG/L		R				.002 MG/L		U				.0016 MG/L		-
BARIUM	.138 MG/L		-				.126 MG/L		-				.064 MG/L		-
BERYLLIUM													.0003 MG/L		U
CADMIUM	.002 MG/L		-				.0364 MG/L		-				.0012 MG/L		U
CALCIUM	413 MG/L		-				4000 MG/L		-				426 MG/L		-
CHROMIUM	.02 MG/L		U				.0464 MG/L		-				.0196 MG/L		U
COBALT													.0132 MG/L		U
COPPER	.014 MG/L		-				.0836 MG/L		-				.0024 MG/L		U
CYANIDE													.01 MG/L		U
IRON	.073 MG/L		J				.172 MG/L		U				.0365 MG/L		U
LEAD	.004 MG/L		J				.002 MG/L		U				.0013 MG/L		J
MAGNESIUM	325 MG/L		-				364 MG/L		-				267 MG/L		-
MANGANESE	2.1 MG/L		-				.689 MG/L		-				1.84 MG/L		-
MERCURY	.0007 MG/L		J				30.2 MG/L		R				.0002 MG/L		U
MOLYBDENUM	.533 MG/L		J				.58 MG/L		-						
NICKEL	.066 MG/L		-				.114 MG/L		-				.0691 MG/L		-
POTASSIUM	33 MG/L		-				.00069 MG/L		-				17.6 MG/L		-

SAMPLE NUMBER:	003775			003775			003951			003951			120458		
LAB:	IT			IT			IT			IT			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		R				.002 MG/L		U				.002 MG/L		UJ
SILVER	.02 MG/L		U				.0005 MG/L		U				.0202 MG/L		J
SODIUM	149 MG/L		-				178 MG/L		-				110 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.0029 MG/L		U
ZINC													.004 MG/L		U
RADIONUCLIDES															
URANIUM-238				1156 PCI/L	135	J				1290 PCI/L	157	J			
URANIUM, TOTAL				3297 UG/L	525	-				4380 UG/L	728	-			
URANIUM-234				959 PCI/L	112	J				895 PCI/L	109	J			
THORIUM-230				1 PCI/L		UJ				23.3 PCI/L	3.4	J			
RADIUM-226				3.5 PCI/L	.6	-				4.2 PCI/L	.7	-			
URANIUM-235/236				43.4 PCI/L	5.4	J				30.5 PCI/L	4.2	J			
THORIUM-232				1.4 PCI/L	.7	J				2.7 PCI/L	.7	J			
THORIUM, TOTAL				12 UG/L	7	J				25 UG/L	6	J			
RADIUM-228				3 PCI/L		U				3 PCI/L		R			
THORIUM-228				1 PCI/L		UJ				1.4 PCI/L	.5	J			
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				1097 PCI/L	117	-				1600 PCI/L	200	J			
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 1 WELLS

SAMPLE NUMBER:	120458	120460	120460F	120463	120464
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	CORE	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1073	1073	1073	1073	1073
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUL-93	15-JUL-93	15-JUL-93	16-JUL-93	22-JUL-93
NORTH COORDINATE:	481417.66	481417.66	481417.66	481417.66	481417.66
EAST COORDINATE:	1378202.78	1378202.78	1378202.78	1378202.78	1378202.78
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										360 MG/L		-			
AMMONIA													30 MG/L		-
CHLORIDE										1100 MG/L		-			
FLUORIDE										2.5 MG/L		-			
NITRATE/NITRITE										180 MG/L		-			
PHENOLS	.002 MG/L		U												
PHOSPHORUS													.74 MG/L		-
SULFATE										190 MG/L		-			
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN													35 MG/L		J
TOTAL ORGANIC CARBON										8 MG/L		-			
TOTAL ORGANIC HALIDES										.19 MG/L		-			
TOTAL ORGANIC NITROGEN													5 MG/L		J
INORGANICS															
ALUMINUM										1.24 MG/L		-	7.04 MG/L		-
ANTIMONY										.0157 MG/L		U	2.25 MG/L		U
ARSENIC										.0028 MG/L		-	.0061 MG/L		-
BARIUM										.0887 MG/L		-	.131 MG/L		-
BERYLLIUM										.0003 MG/L		U	.001 MG/L		U
CADMIUM										.0013 MG/L		U	.003 MG/L		U
CALCIUM										479 MG/L		-	450 MG/L		-
CHROMIUM										.261 MG/L		-	.105 MG/L		-
COBALT										.0034 MG/L		U	.0075 MG/L		-
COPPER										.0106 MG/L		U	.0225 MG/L		-
CYANIDE													.01 MG/L		U
IRON										2.68 MG/L		-	12.8 MG/L		-
LEAD										.0013 MG/L		J	.0064 MG/L		J
MAGNESIUM										307 MG/L		-	335 MG/L		-
MANGANESE										1.81 MG/L		-	1.47 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120458			120460			120460F			120463			120464		
LAB:	DATACHEM			CORE			CORE			DATACHEM			DATACHEM		
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															
NICKEL										.0901 MG/L		-	.0982 MG/L		-
POTASSIUM										16.9 MG/L		-	22.6 MG/L		-
SELENIUM										.002 MG/L		UJ	.02 MG/L		UJ
SILVER										.003 MG/L		J	.003 MG/L		UJ
SODIUM										129 MG/L		-	143 MG/L		-
THALLIUM										.001 MG/L		UJ	.001 MG/L		UJ
VANADIUM										.0029 MG/L		U	.004 MG/L		U
ZINC										.0102 MG/L		-	3380 MG/L		R
RADIONUCLIDES															
URANIUM-238				856 PCI/L	94	J	866 PCI/L	105	R						
URANIUM, TOTAL				2550 UG/L	178	-	2360 UG/L	165	-						
URANIUM-234				682 PCI/L	77.7	J	751 PCI/L	93.2	R						
THORIUM-230				7.4 PCI/L	1.5	R	.2 PCI/L	.2	U						
RADIUM-226				6.6 PCI/L	1	J	1.9 PCI/L	.5	J						
URANIUM-235/236				22.1 PCI/L	23.7	J	34.2 PCI/L	24.7	R						
THORIUM-232				.6 PCI/L	.2	R	.2 PCI/L	.1	U						
RADIUM-228				3 PCI/L	1.5	U	3 PCI/L	1.1	U						
THORIUM-228				2.1 PCI/L	.4	R	.2 PCI/L	.3	U						
TECHNETIUM-99				426 PCI/L	28.4	-	488 PCI/L	33.1	-						
VOLATILES															
1,1,1-TRICHLOROETHANE	8 UG/L		J												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	48 UG/L		-												
1,1-DICHLOROETHENE	2 UG/L		J												
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		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												

011209

SAMPLE NUMBER:	120458			120460			120460F			120463			120464		
LAB:	DATACHEM			CORE			CORE			DATACHEM			DATACHEM		
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															
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_169			003228			003228			003569			003569		
TASK:	GWMON			3.2.4			3.2.4			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1073			1073			1073			1073			1073		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-MAR-90			23-MAY-88			23-MAY-88			24-AUG-88			24-AUG-88		
NORTH COORDINATE:	481417.66			481417.66			481417.66			481417.66			481417.66		
EAST COORDINATE:	1378202.78			1378202.78			1378202.78			1378202.78			1378202.78		
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							5.3 MG/L		J				36.6 MG/L		J
CHLORIDE							829 MG/L		J				1250 MG/L		-
FLUORIDE							5.18 MG/L		J				5.4 MG/L		J
NITRATE							19 MG/L		J				16.2 MG/L		J
PHENOLS							.24 MG/L		J				.02 MG/L		J
PHOSPHORUS													.05 MG/L		U
SULFATE							327 MG/L		J				328 MG/L		J
TOTAL KJELDAHL NITROGEN							29.35 MG/L		J						
TOTAL ORGANIC HALIDES													.66 MG/L		J
TOTAL ORGANIC NITROGEN							23.97 MG/L		J						
INORGANICS															
ALUMINUM				.208 MG/L		J									
ANTIMONY				.0467 MG/L		UJ									
ARSENIC				.0032 MG/L		J				.002 MG/L		U			
BARIUM				.213 MG/L		J				.136 MG/L		U			
BERYLLIUM				.0024 MG/L		UJ									
CADMIUM				.0007 MG/L		UJ				.002 MG/L		U			
CALCIUM				344 MG/L		J				457 MG/L		-			
CHROMIUM				.0027 MG/L		J				.02 MG/L		U			
COBALT				.0052 MG/L		UJ									
COPPER				.0117 MG/L		J				.015 MG/L		-			
CYANIDE							.02 MG/L		UJ						
IRON				.203 MG/L		J				.005 MG/L		U			
LEAD				.0105 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				282 MG/L		J				355 MG/L		-			
MANGANESE				1.46 MG/L		J				2.8 MG/L		-			
MERCURY				.00029 MG/L		R				.0002 MG/L		U			
MOLYBDENUM				.374 MG/L		J				.477 MG/L		-			
NICKEL				.0709 MG/L		J				.161 MG/L		-			
POTASSIUM				21.3 MG/L		J				22.2 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_169			003228			003228			003569			003569		
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				.0018 MG/L		UJ				.002 MG/L		UJ			
SILVER				.0043 MG/L		UJ				.01 MG/L		U			
SODIUM				134 MG/L		J				148 MG/L		-			
THALLIUM				.0041 MG/L		UJ									
VANADIUM				.0034 MG/L		UJ									
ZINC				.02 MG/L		J									
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL							5 UG/L		U						
DEMETON							1 UG/L		U						
DIAZINON							.5 UG/L		U						
DISULFOTON							.5 UG/L		U						
ETHION							.5 UG/L		U						
MALATHION							1 UG/L		U						
METHYL PARATHION							1 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						
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_169			003228			003228			003569			003569		
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-238	1240 PCI/L		NV				730 PCI/L	142	J				1224 PCI/L	182	-
URANIUM, TOTAL	3730 UG/L		NV				2215 UG/L	432	R				3200 UG/L	500	-
URANIUM-234	961 PCI/L		NV				599 PCI/L	117	J				968 PCI/L	144	-
THORIUM-230							1.8 PCI/L	.8	J				1 PCI/L		U
RADIUM-226							1 PCI/L		U				1.3 PCI/L	.4	J
URANIUM-235/236	69.3 PCI/L		NV				38.8 PCI/L	9.1	J				9.9 PCI/L	2.2	-
THORIUM-232							9.9 PCI/L	2.2	J				1 PCI/L		U
THORIUM, TOTAL							90.2882478 PCI/L	2.2	NV				9 UG/L		U
RADIUM-228							3 PCI/L		UJ				4.6 PCI/L	1.6	-
THORIUM-228							1.3 PCI/L	.4	J				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		UJ				2805 PCI/L	284	-
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		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		U						
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL							10 UG/L		U						
4-CHLOROPHENYL PHENYL 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						

SAMPLE NUMBER:	EMGW_SYSGEN_169			003228			003228			003569			003569		
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															
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		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							3 UG/L		J						
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		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							10 UG/L		U				.02 MG/L		J
PYRENE							10 UG/L		U						
VOLATILES															
1,1,1-TRICHLOROETHANE							5 UG/L		J						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		U						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							76 UG/L		-						
1,1-DICHLOROETHENE							2 UG/L		J						

SAMPLE NUMBER:	EMGW_SYSGEN_169			003228			003228			003569			003569		
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-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		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							16 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		UJ						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003766	003766	EMGW_SYSGEN_174	EMGW_SYSGEN_174	EMGW_SYSGEN_174
TASK:	3.2.4	3.2.4	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	1074	1074	1074	1074	1074
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-DEC-88	04-DEC-88	06-FEB-91	06-FEB-91	06-FEB-91
NORTH COORDINATE:	481187.08	481187.08	481187.08	481187.08	481187.08
EAST COORDINATE:	1378638.85	1378638.85	1378638.85	1378638.85	1378638.85
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													338 MG/L		NV
AMMONIA				.115 MG/L		-							.09 MG/L		NV
CHLORIDE				123 MG/L		R							135 MG/L		NV
FLUORIDE				1.05 MG/L		-							1.34 MG/L		NV
NITRATE				.1 MG/L		U							.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PH				.01 MG/L		U							7.45 SU		NV
PHENOLS				.01 MG/L		U							.005 MG/L		UNV
PHOSPHORUS				.774 MG/L		-							.39 MG/L		NV
SPECIFIC CONDUCTIVITY													1100 UMHOS/CM		NV
SULFATE				43.8 MG/L		-							123 MG/L		NV
TOTAL DISSOLVED SOLIDS													676 MG/L		NV
TOTAL KJELDAHL NITROGEN				.708 MG/L		-									
TOTAL ORGANIC CARBON													10 MG/L		NV
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC HALOGENS													.019 MG/L		NV
TOTAL ORGANIC NITROGEN				.593 MG/L		-									
INORGANICS															
ALUMINUM										.5 MG/L		UNV	3.14 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.002 MG/L		R							.0025 MG/L		UNV	.006 MG/L		NV
BARIUM	.097 MG/L		-							.212 MG/L		NV	.283 MG/L		NV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.002 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	123 MG/L		-							116 MG/L		NV	149 MG/L		NV
CHROMIUM	.02 MG/L		U										.275 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.01 MG/L		U							.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE													.005 MG/L		UNV
IRON	.043 MG/L		J							.05 MG/L		UNV	10.6 MG/L		NV

SAMPLE NUMBER:	003766			003766			EMGW_SYSGEN_174			EMGW_SYSGEN_174			EMGW_SYSGEN_174		
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	.003 MG/L		J							.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	62.5 MG/L		-							40 MG/L		NV	73 MG/L		NV
MANGANESE	.258 MG/L		-							.058 MG/L		NV	.235 MG/L		NV
MERCURY	.0002 MG/L		U							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.02 MG/L		UJ							.048 MG/L		NV	.087 MG/L		NV
NICKEL	.223 MG/L		-							.673 MG/L		NV	.775 MG/L		NV
POTASSIUM	2.32 MG/L		-							2.84 MG/L		NV	3.72 MG/L		NV
SELENIUM	.002 MG/L		R							.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.02 MG/L		U							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	18.4 MG/L		-							19.9 MG/L		NV	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	.027 MG/L		NV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				5.6 PCI/L	1	J	1.01 PCI/L		NV						
URANIUM, TOTAL				7 UG/L	1	-	3.78 UG/L		NV						
URANIUM-234				3.6 PCI/L	.7	J	1.65 PCI/L		NV						
THORIUM-230				1.6 PCI/L	.8	J	.35 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	.7	J	.35 PCI/L		UNV						
THORIUM, TOTAL				9 UG/L	6	J	3.2 UG/L		UNV						
RADIUM-228				3 PCI/L		U	3 PCI/L		UNV						
THORIUM-228				1 PCI/L		UJ	.653 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	15 PCI/L		UNV						
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		UNV						
CESIUM-137				20 PCI/L		R	5.6 PCI/L		UNV						
GROSS ALPHA							20 PCI/L		UNV						
GROSS BETA							18.3 PCI/L		NV						
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER													10 UG/L		UNV
VOLATILES															
1,1,1-TRICHLOROETHANE													1 UG/L		UNV

SAMPLE NUMBER:	003766			003766			EMGW_SYSGEN_174			EMGW_SYSGEN_174			EMGW_SYSGEN_174		
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															
1,1,2,2-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 1 WELLS

SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
TASK:	9.25			9.25			9.25			9.25			GWMON		
LAB:	IT			IT			IT			UNKNOWN			IT		
WELL OR BORING NUMBER:	1074			1074			1074			1074			1074		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-SEP-89			08-SEP-89			08-SEP-89			08-SEP-89			09-MAY-90		
NORTH COORDINATE:	481187.08			481187.08			481187.08			481187.08			481187.08		
EAST COORDINATE:	1378638.85			1378638.85			1378638.85			1378638.85			1378638.85		
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)
DIOXINS/FURANS															
1,4-DIOXANE							1000 UG/L		UJ						
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN										.69 NG/L		U			
HEXACHLORODIBENZO-P-DIOXINS										.67 NG/L		U			
HEXACHLORODIBENZOFURANS										.27 NG/L		U			
PENTACHLORODIBENZO-P-DIOXINS										.072 NG/L		U			
PENTACHLORODIBENZOFURANS										.088 NG/L		U			
TETRACHLORODIBENZO-P-DIOXINS										.19 NG/L		U			
TETRACHLORODIBENZOFURANS										.38 NG/L		U			
GENERAL CHEMISTRY															
CHLORIDE	160 MG/L		-												
FLUORIDE	1.3 MG/L		-												
NITRATE	.1 MG/L		UR												
SULFATE	83.1 MG/L		-												
SULFIDE	.5 MG/L		UJ				.5 MG/L		UJ						
TOTAL ORGANIC CARBON	1.81 MG/L		-												
TOTAL ORGANIC HALIDES	.014 MG/L		J												
HERBICIDES															
2,4,5-T							5 UG/L		UJ						
2,4,5-TP (SILVEX)							.025 UG/L		UJ						
2,4-D							.05 UG/L		UJ						
INORGANICS															
ALUMINUM				.19 MG/L		-									
ANTIMONY				.03 MG/L		U									

SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
LAB:	IT			IT			IT			UNKNOWN			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															
ARSENIC				.002 MG/L		U									
BARIUM				.084 MG/L		J									
BERYLLIUM				.0012 MG/L		U									
CADMIUM				.0086 MG/L		-									
CALCIUM				126 MG/L		-									
CHROMIUM				.0345 MG/L		-									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U									
CYANIDE							.005 MG/L		U						
IRON				.118 MG/L		-									
LEAD				.0021 MG/L		J									
MAGNESIUM				65.2 MG/L		-									
MANGANESE				.06 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.282 MG/L		-									
OSMIUM				.059 MG/L		UR									
POTASSIUM				2.34 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.0123 MG/L		-									
SODIUM				18 MG/L		-									
THALLIUM				.001 MG/L		U									
TIN				.03 MG/L		UR									
VANADIUM				.0232 MG/L		-									
ZINC				.127 MG/L		J									
No sort code listed.															
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						
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		U						
2-PICOLINE							70 UG/L		U						
3,3'-DIMETHYLBENZIDINE							80 UG/L		U						
3-CHLOROPROPENE							5 UG/L		UR						
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						

SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
LAB:	IT			IT			IT			UNKNOWN			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)
No sort code listed.															
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		UJ						
ACETOPHENONE							10 UG/L		U						
ACROLEIN							10 UG/L		U						
ACROLEIN							10 UG/L		U						
ACRYLONITRILE							10 UG/L		UJ						
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		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		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		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-1,2-DICHLOROETHENE							5 UG/L		U						
TRANS-1,4-DICHLORO-2-BUTENE							20 UG/L		UJ						

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SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
LAB:	IT			IT			IT			UNKNOWN			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)
ORGANOPHOSPHORUS PESTICIDES															
DISULFOTON							1 UG/L		UJ						
FAMPHUR							1 UG/L		UJ						
METHYL PARATHION							.05 UG/L		UJ						
PARATHION							.05 UG/L		UJ						
PHORATE							1 UG/L		UJ						
THIONAZIN							1 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						
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							1 UG/L		UJ						
TOXAPHENE							1 UG/L		U						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U										1.41 PCI/L		NV
URANIUM, TOTAL	4 UG/L	1	-										2.71 UG/L		NV
URANIUM-234	2.3 PCI/L	.5	-										1.5 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
LAB:	IT			IT			IT			UNKNOWN			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)
RADIONUCLIDES															
THORIUM-230	1 PCI/L		U										.33 PCI/L		UNV
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236	1 PCI/L		U										.24 PCI/L		UNV
THORIUM-232													.33 PCI/L		UNV
THORIUM, TOTAL													3 UG/L		UNV
RADIUM-228													33 PCI/L		UNV
THORIUM-228	1 PCI/L		U										.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	30 PCI/L		U										27 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													12 PCI/L		UNV
GROSS ALPHA													.015 PCI/L		UNV
GROSS BETA													.025 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		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						

001223

001224

SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
LAB:	IT			IT			IT			UNKNOWN			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															
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						
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							2 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		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						
PYRENE							10 UG/L		U						
PYRIDINE							50000 UG/L		UJ						
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						

SAMPLE NUMBER:	066558			066597			066597			066597			EMGW_SYSGEN_171		
LAB:	IT			IT			IT			UNKNOWN			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-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		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		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		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						
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_171	EMGW_SYSGEN_171	003952	003952	GW930413-8
TASK:	GWMON	GWMON	3.2.4	3.2.4	50.03.23
LAB:	NET	NET	IT	IT	CORE
WELL OR BORING NUMBER:	1074	1074	1074	1074	1074
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-MAY-90	09-MAY-90	12-MAR-89	12-MAR-89	13-APR-93
NORTH COORDINATE:	481187.08	481187.08	481187.08	481187.08	481187.08
EAST COORDINATE:	1378638.85	1378638.85	1378638.85	1378638.85	1378638.85
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										.3 MG/L		U			
CHLORIDE				154 MG/L		NV				130 MG/L		-			
FLUORIDE				1 MG/L		NV				1.2 MG/L		-			
NITRATE				.02 MG/L		UNV				.02 MG/L		U			
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PHENOLS				.005 MG/L		UNV				.007 MG/L		-			
PHOSPHORUS										.01 MG/L		U			
SULFATE				75 MG/L		NV				64 MG/L		-			
TOTAL KJELDAHL NITROGEN										.3 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										0 MG/L		-			
INORGANICS															
ALUMINUM	.05 MG/L		UNV	1.56 MG/L		NV									
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV									
ARSENIC	.0025 MG/L		UNV	.004 MG/L		NV	.003 MG/L		U						
BARIUM	.2 MG/L		UNV	.2 MG/L		UNV	.069 MG/L		-						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.006 MG/L		-						
CALCIUM	117 MG/L		NV	91 MG/L		NV	130 MG/L		-						
CHROMIUM				1.15 MG/L		NV	.04 MG/L		-						
COBALT	.025 MG/L		UNV	.025 MG/L		UNV									
COPPER	.025 MG/L		UNV	.029 MG/L		NV	.01 MG/L		-						
CYANIDE				.005 MG/L		UNV									
IRON	.05 MG/L		UNV	3.1 MG/L		NV	.08 MG/L		-						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		U						
MAGNESIUM	52 MG/L		NV	78 MG/L		NV	63 MG/L		-						
MANGANESE	.059 MG/L		NV	.084 MG/L		NV	.096 MG/L		-						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0003 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_171			EMGW_SYSGEN_171			003952			003952			GW930413-8		
LAB:	NET			NET			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															
MOLYBDENUM	.05 MG/L		NV	.145 MG/L		NV	.04 MG/L		-						
NICKEL	.471 MG/L		NV	.448 MG/L		NV	.49 MG/L		-						
POTASSIUM	2.57 MG/L		NV	2.65 MG/L		NV	2.2 MG/L		-						
SELENIUM	.0025 MG/L		UNV	.0025 MG/L		UNV	.005 MG/L		U						
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		-						
SODIUM	20.3 MG/L		NV	21.2 MG/L		NV	20 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									
No sort code listed.															
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				.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										2.3 PCI/L	.5	R	.9 PCI/L	.3	J
URANIUM, TOTAL										7 UG/L	1	J	12.4 UG/L	.9	J

SAMPLE NUMBER:	EMGW_SYSGEN_171			EMGW_SYSGEN_171			003952			003952			GW930413-8		
LAB:	NET			NET			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)
RADIONUCLIDES															
URANIUM-234										2.2 PCI/L	.4	R	1.4 PCI/L	.3	J
THORIUM-230										1 PCI/L		UJ	.2 PCI/L	.2	UJ
RADIUM-226										1 PCI/L		U	1 PCI/L	.2	UJ
URANIUM-235/236										1 PCI/L		R	.2 PCI/L	.3	UJ
THORIUM-232										1 PCI/L		UJ	.2 PCI/L	.1	UJ
THORIUM, TOTAL										7 UG/L		UJ	1.824 PCI/L	.1	NV
RADIUM-228										3 PCI/L		R	3 PCI/L	1.4	U
THORIUM-228										1 PCI/L		UJ	.2 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										31.6 PCI/L		UJ	15 PCI/L	7.7	U
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA													8.9 PCI/L	2.5	NV
GROSS BETA													5.8 PCI/L	3.4	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-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									

SAMPLE NUMBER:	EMGW_SYSGEN_171			EMGW_SYSGEN_171			003952			003952			GW930413-8		
LAB:	NET			NET			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)
SEMIVOLATILES															
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				.007 MG/L		-			
PYRENE				4 UG/L		UNV									
PYRIDINE				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									

SAMPLE NUMBER:	EMGW_SYSGEN_171			EMGW_SYSGEN_171			003952			003952			GW930413-8		
LAB:	NET			NET			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)
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									
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 1 WELLS

SAMPLE NUMBER:	GW930413-8			GW930413-8			GW930413-8			EMGW_SYSGEN_176			EMGW_SYSGEN_176		
TASK:	50.03.23			50.03.23			50.03.23			GWMON			GWMON		
LAB:	CORE			DATACHEM			DATACHEM			NET			NET		
WELL OR BORING NUMBER:	1074			1074			1074			1074			1074		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-APR-93			13-APR-93			13-APR-93			16-JUL-91			16-JUL-91		
NORTH COORDINATE:	481187.08			481187.08			481187.08			481187.08			481187.08		
EAST COORDINATE:	1378638.85			1378638.85			1378638.85			1378638.85			1378638.85		
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															
ALKALINITY AS CACO3							350 MG/L		-				348 MG/L		NV
AMMONIA							.05 MG/L		U				.02 MG/L		UNV
BICARBONATE ALKALINITY							440 MG/L		-						
CARBONATE ALKALINITY							3 MG/L		U						
CHLORIDE							180 MG/L		-				142 MG/L		NV
FLUORIDE							1.2 MG/L		-				1.29 MG/L		NV
NITRATE							.05 MG/L		U				.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
PH							7.5 SU		-				7.33 SU		NV
PHENOLS							.01 MG/L		U				.005 MG/L		UNV
PHOSPHORUS							.13 MG/L		-				.1 MG/L		UNV
SPECIFIC CONDUCTIVITY							1300 UMHOS/CM		-				1160 UMHOS/CM		NV
SULFATE							48 MG/L		-				99 MG/L		NV
TOTAL DISSOLVED SOLIDS				660 MG/L		-							670 MG/L		NV
TOTAL KJELDAHL NITROGEN							.1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		UJ				6 MG/L		NV
TOTAL ORGANIC HALIDES							.01 MG/L		J						
TOTAL ORGANIC HALOGENS													.037 MG/L		NV
TOTAL SOLIDS							720 MG/L		-						
INORGANICS															
ALUMINUM				.0505 MG/L		-	.0961 MG/L		-	.2 MG/L		UNV	4.53 MG/L		NV
ANTIMONY				.045 MG/L		U	.045 MG/L		U	.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC				.0012 MG/L		-	.001 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV
BARIUM				.0659 MG/L		-	.0715 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		UJ	.003 MG/L		UJ	.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				132 MG/L		-	134 MG/L		-	119 MG/L		NV	132 MG/L		NV
CHROMIUM				.0399 MG/L		-	.145 MG/L		-				.002 MG/L		UNV
COBALT				.006 MG/L		U	.0087 MG/L		-	.005 MG/L		UNV	.0091 MG/L		NV
COPPER				.0121 MG/L		U	.004 MG/L		U	.02 MG/L		UNV	.02 MG/L		UNV

001231

SAMPLE NUMBER:	GW930413-8			GW930413-8			GW930413-8			EMGW_SYSGEN_176			EMGW_SYSGEN_176		
LAB:	CORE			DATACHEM			DATACHEM			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															
CYANIDE				.01 MG/L		U	.01 MG/L		U				.005 MG/L		UNV
IRON				.256 MG/L		-	.733 MG/L		-	.1 MG/L		UNV	6.97 MG/L		NV
LEAD				.001 MG/L		U	.001 MG/L		U	.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM				71.5 MG/L		-	73.7 MG/L		-	45 MG/L		NV	65 MG/L		NV
MANGANESE				.0156 MG/L		-	.0291 MG/L		-	.058 MG/L		NV	.158 MG/L		NV
MERCURY				.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.048 MG/L		NV	.095 MG/L		NV
NICKEL				.398 MG/L		-	.536 MG/L		-	.788 MG/L		NV	.868 MG/L		NV
POTASSIUM				1.78 MG/L		J	2.14 MG/L		J	2.6 MG/L		NV	3.4 MG/L		NV
SELENIUM				.002 MG/L		UJ	.002 MG/L		UJ	.005 MG/L		UNV	.005 MG/L		UNV
SILVER				.003 MG/L		U	.003 MG/L		U	.001 MG/L		UNV	.0073 MG/L		NV
SODIUM				19.4 MG/L		-	21.2 MG/L		-	21 MG/L		NV	21 MG/L		NV
THALLIUM				.001 MG/L		U	.001 MG/L		U	.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM				.004 MG/L		U	.004 MG/L		U	.05 MG/L		UNV	.05 MG/L		UNV
ZINC				.0087 MG/L		-	.0069 MG/L		-	.048 MG/L		NV	.034 MG/L		NV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	.9 PCI/L	.2	J												
URANIUM, TOTAL	5.7 UG/L	.4	J												
URANIUM-234	1.3 PCI/L	.2	J												
THORIUM-230	.2 PCI/L	.1	UJ												
RADIUM-226	1 PCI/L	.4	UJ												
URANIUM-235/236	.2 PCI/L	.2	UJ												
THORIUM-232	.4 PCI/L	.1	UJ												
RADIUM-228	3.3 PCI/L	1	-												
THORIUM-228	.4 PCI/L	.1	UJ												
TECHNETIUM-99	15 PCI/L	6.9	UJ												
GROSS ALPHA	5.4 PCI/L	3	UNV												
GROSS BETA	8.1 PCI/L	3.3	NV												
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:	GW930413-8			GW930413-8			GW930413-8			EMGW_SYSGEN_176			EMGW_SYSGEN_176		
LAB:	CORE			DATACHEM			DATACHEM			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		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
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_176	EMGW_SYSGEN_173	EMGW_SYSGEN_173	EMGW_SYSGEN_173	EMGW_SYSGEN_177
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	WMCO	IT	NET	NET	NET
WELL OR BORING NUMBER:	1074	1074	1074	1074	1074
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-JUL-91	16-NOV-90	16-NOV-90	16-NOV-90	16-OCT-91
NORTH COORDINATE:	481187.08	481187.08	481187.08	481187.08	481187.08
EAST COORDINATE:	1378638.85	1378638.85	1378638.85	1378638.85	1378638.85
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										.05 MG/L		NV			
CHLORIDE										133 MG/L		NV			
FLUORIDE										.86 MG/L		NV			
NITRATE/NITRITE										.04 MG/L		NV			
PH										7.21 SU		NV			
PHENOLS										.008 MG/L		NV			
PHOSPHORUS										.46 MG/L		NV			
SPECIFIC CONDUCTIVITY										900 UMHOS/CM		NV			
SULFATE										78 MG/L		NV			
TOTAL DISSOLVED SOLIDS										650 MG/L		NV			
TOTAL ORGANIC CARBON										5 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	8.13 MG/L		NV	.2 MG/L		UNV
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV
ARSENIC							.0025 MG/L		UNV	.006 MG/L		NV	.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							62.8 MG/L		NV	62.7 MG/L		NV	110 MG/L		NV
CHROMIUM										.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV	.0075 MG/L		NV
COPPER							.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV
CYANIDE										.005 MG/L		UNV			
IRON							.05 MG/L		UNV	14.5 MG/L		NV	.13 MG/L		NV
LEAD							.005 MG/L		UNV	.009 MG/L		NV	.003 MG/L		UNV
MAGNESIUM							1.1 MG/L		NV	32.4 MG/L		NV	38 MG/L		NV
MANGANESE							.07 MG/L		NV	.268 MG/L		NV	.064 MG/L		NV
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_176			EMGW_SYSGEN_173			EMGW_SYSGEN_173			EMGW_SYSGEN_173			EMGW_SYSGEN_177		
LAB:	WMCO			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															
MOLYBDENUM							.046 MG/L		NV	.081 MG/L		NV	.048 MG/L		NV
NICKEL							.4 MG/L		NV	.615 MG/L		NV	1.5 MG/L		NV
POTASSIUM							3.64 MG/L		NV	4.38 MG/L		NV	2.5 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							8.9 MG/L		NV	12.8 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							.02 MG/L		UNV	.051 MG/L		NV	.047 MG/L		NV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				1.22 PCI/L		NV									
URANIUM, TOTAL	2.5 UG/L		NV	3.7 UG/L		NV									
URANIUM-234				1.66 PCI/L		NV									
THORIUM-230				.8 PCI/L		UNV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.21 PCI/L		UNV									
THORIUM-232				.8 PCI/L		UNV									
THORIUM, TOTAL				7.2 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.25 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				19 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				6.2 PCI/L		UNV									
GROSS ALPHA				25 PCI/L		UNV									
GROSS BETA				478 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			

SAMPLE NUMBER:	EMGW_SYSGEN_176			EMGW_SYSGEN_173			EMGW_SYSGEN_173			EMGW_SYSGEN_173			EMGW_SYSGEN_177		
LAB:	WMCO			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															
1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_177			EMGW_SYSGEN_177			066426			066426			EMGW_SYSGEN_170		
TASK:	GWMON			GWMON			9.25			9.25			GWMON		
LAB:	NET			WMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1074			1074			1074			1074			1074		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-OCT-91			16-OCT-91			18-JUN-89			18-JUN-89			19-FEB-90		
NORTH COORDINATE:	481187.08			481187.08			481187.08			481187.08			481187.08		
EAST COORDINATE:	1378638.85			1378638.85			1378638.85			1378638.85			1378638.85		
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	336 MG/L		NV												
AMMONIA	.02 MG/L		UNV							130 MG/L		-			
CHLORIDE	139 MG/L		NV							1.14 MG/L		-			
FLUORIDE	1.12 MG/L		NV							.1 MG/L		UR			
NITRATE	.02 MG/L		UNV												
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PH	7.07 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.26 MG/L		NV												
SPECIFIC CONDUCTIVITY	1170 UMHOS/CM		NV							83.9 MG/L		-			
SULFATE	85 MG/L		NV												
TOTAL DISSOLVED SOLIDS	572 MG/L		NV							3.28 MG/L		UJ			
TOTAL ORGANIC CARBON	20 MG/L		NV							.01 MG/L		UJ			
TOTAL ORGANIC HALIDES															
TOTAL ORGANIC HALOGENS	.039 MG/L		NV												
INORGANICS															
ALUMINUM	.62 MG/L		NV				.131 MG/L		-						
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.005 MG/L		UNV												
BARIUM	.2 MG/L		UNV				.079 MG/L		-						
BERYLLIUM	.005 MG/L		UNV				.001 MG/L		U						
CADMIUM	.001 MG/L		UNV												
CALCIUM	120 MG/L		NV				128 MG/L		-						
CHROMIUM	.002 MG/L		UNV				.0413 MG/L		-						
COBALT	.0179 MG/L		NV				.01 MG/L		U						
COPPER	.047 MG/L		NV				.01 MG/L		U						
CYANIDE	.005 MG/L		UNV												
IRON	8.48 MG/L		NV				.0766 MG/L		-						
LEAD	.003 MG/L		UNV				.0054 MG/L		-						
MAGNESIUM	71 MG/L		NV				70.6 MG/L		-						

001237

6416

SAMPLE NUMBER:	EMGW_SYSGEN_177			EMGW_SYSGEN_177			066426			066426			EMGW_SYSGEN_170		
LAB:	NET			WMCO			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	.084 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.174 MG/L		NV												
NICKEL	1.57 MG/L		NV				.52 MG/L		-						
POTASSIUM	2.7 MG/L		NV												
SELENIUM	.005 MG/L		UNV												
SILVER	.001 MG/L		UNV				.013 MG/L		-						
SODIUM	19 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV				.0248 MG/L		-						
ZINC	.054 MG/L		NV				.0229 MG/L		-						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238										1.2 PCI/L	.3	-	1.5 PCI/L		NV
URANIUM, TOTAL				2.6 UG/L		NV				3 UG/L	1	-	4.5 UG/L		NV
URANIUM-234										1.6 PCI/L	.4	-	1.6 PCI/L		NV
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	15 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							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												

SAMPLE NUMBER:	EMGW_SYSGEN_177			EMGW_SYSGEN_177			066426			066426			EMGW_SYSGEN_170		
LAB:	NET			WMCO			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															
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							9 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			
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:	EMGW_SYSGEN_170	EMGW_SYSGEN_170	GW930120-8	GW930120-8	GW930120-8
TASK:	GWMON	GWMON	RCRA	RCRA	RCRA
LAB:	NET	NET	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	1074	1074	1074	1074	1074
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-FEB-90	19-FEB-90	20-JAN-93	20-JAN-93	20-JAN-93
NORTH COORDINATE:	481187.08	481187.08	481187.08	481187.08	481187.08
EAST COORDINATE:	1378638.85	1378638.85	1378638.85	1378638.85	1378638.85
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				146 MG/L		NV									
FLUORIDE				1.04 MG/L		NV									
NITRATE, AS NITROGEN				.1 MG/L		NV									
PHENOLS				.012 MG/L		NV									
SULFATE				29 MG/L		NV									
TOTAL DISSOLVED SOLIDS													641 MG/L		NV
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM	.05 MG/L		UNV	1.15 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							.02 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	143 MG/L		NV							129 MG/L		NV
CHROMIUM				.005 MG/L		UNV							.0606 MG/L		NV
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.005 MG/L		UNV
COPPER	.025 MG/L		UNV	.029 MG/L		NV							.02 MG/L		UNV
IRON	.05 MG/L		UNV	2.08 MG/L		NV							.73 MG/L		NV
LEAD	.005 MG/L		UNV	.005 MG/L		UNV							.003 MG/L		UNV
MAGNESIUM	66.4 MG/L		NV	65.8 MG/L		NV							71.8 MG/L		NV
MANGANESE	.063 MG/L		NV	.096 MG/L		NV							.015 MG/L		UNV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.01 MG/L		UNV
NICKEL	.748 MG/L		NV	.719 MG/L		NV							1.08 MG/L		NV
SELENIUM													.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.001 MG/L		UNV							.001 MG/L		UNV
SODIUM	31 MG/L		NV	30.9 MG/L		NV									
THALLIUM													.01 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_170			EMGW_SYSGEN_170			GW930120-8			GW930120-8			GW930120-8		
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															
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							.7 UG/L		NV	2.4 UG/L		NV			
THORIUM-230							.2 PCI/L	.1	UNV						
RADIUM-226							1 PCI/L	.3	UNV						
THORIUM-232							.2 PCI/L	.1	UNV						
THORIUM, TOTAL							.9 UG/L		NV						
RADIUM-228							3 PCI/L	.8	UNV						
THORIUM-228							.2 PCI/L	.1	UNV						
GROSS ALPHA							2 PCI/L	2.5	NV						
GROSS BETA							.4 PCI/L	2.5	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 1 WELLS

SAMPLE NUMBER:	GW930120-8	EMGW_SYSGEN_172	EMGW_SYSGEN_172	EMGW_SYSGEN_172	066670
TASK:	RCRA	GWMON	GWMON	GWMON	9.27
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	1074	1074	1074	1074	1074
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-JAN-93	21-AUG-90	21-AUG-90	21-AUG-90	21-NOV-89
NORTH COORDINATE:	481187.08	481187.08	481187.08	481187.08	481187.08
EAST COORDINATE:	1378638.85	1378638.85	1378638.85	1378638.85	1378638.85
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	321 MG/L		NV												
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.03 MG/L		NV												
BICARBONATE ALKALINITY	409 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	153 MG/L		NV							143 MG/L		NV			
FLUORIDE	1.22 MG/L		NV							1 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	7.26 SU		NV							.005 MG/L		UNV			
PHENOLS	.01 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS	.1 MG/L		UNV												
SPECIFIC CONDUCTIVITY	1100 UMHOS/CM		NV												
SULFATE	108 MG/L		NV							83 MG/L		NV			
TOTAL ORGANIC CARBON	1 MG/L		NV							3 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		UNV												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL SOLIDS	777 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV				.5 MG/L		UNV	.53 MG/L		NV			
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	.02 MG/L		NV				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM	.005 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	124 MG/L		NV				132 MG/L		NV	145 MG/L		NV			
CHROMIUM	.05 MG/L		NV							.126 MG/L		NV			
COBALT	.0094 MG/L		NV				.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.043 MG/L		NV				.025 MG/L		UNV	.025 MG/L		UNV			

SAMPLE NUMBER:	GW930120-8			EMGW_SYSGEN_172			EMGW_SYSGEN_172			EMGW_SYSGEN_172			066670		
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															
CYANIDE	.005 MG/L		UNV												
IRON	4.37 MG/L		NV				.05 MG/L		UNV	.663 MG/L		NV			
LEAD	.003 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	71.1 MG/L		NV				66.4 MG/L		NV	71.6 MG/L		NV			
MANGANESE	.028 MG/L		NV				.081 MG/L		NV	.087 MG/L		NV			
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM	.133 MG/L		NV				.048 MG/L		NV	.086 MG/L		NV			
NICKEL	1.08 MG/L		NV				.65 MG/L		NV	.68 MG/L		NV			
POTASSIUM	2.7 MG/L		NV				2.78 MG/L		NV	2.78 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				19.2 MG/L		NV	20 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			
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				1.51 PCI/L		NV							1.3 PCI/L	.3	R
URANIUM, TOTAL				3.09 UG/L		NV							2.9 UG/L	.4	R
URANIUM-234				1.43 PCI/L		NV							1.87 PCI/L	.38	R
THORIUM-230				.387 PCI/L		NV							1.27 PCI/L	.56	R
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.25 PCI/L		UNV							1 PCI/L		
THORIUM-232				.35 PCI/L		UNV									
THORIUM, TOTAL				3.1 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.35 PCI/L		UNV							1 PCI/L		

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SAMPLE NUMBER:	GW930120-8			EMGW_SYSGEN_172			EMGW_SYSGEN_172			EMGW_SYSGEN_172			066670		
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															
TECHNETIUM-99													30 PCI/L		R
GROSS ALPHA				17 PCI/L		UNV									
GROSS BETA				8.72 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 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							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												
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 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 1 WELLS

SAMPLE NUMBER:	066671	066671	003522	003522	003229
TASK:	9.27	9.27	3.2.4	3.2.4	3.2.4
LAB:	WMCO	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1074	1074	1074	1074	1074
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-NOV-89	21-NOV-89	22-AUG-88	22-AUG-88	23-MAY-88
NORTH COORDINATE:	481187.08	481187.08	481187.08	481187.08	481187.08
EAST COORDINATE:	1378638.85	1378638.85	1378638.85	1378638.85	1378638.85
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		UJ			
CHLORIDE				128 MG/L		NV				105 MG/L		-			
FLUORIDE				.99 MG/L		NV				1.5 MG/L		J			
NITRATE				.26 MG/L		NV				.13 MG/L		J			
PHENOLS				.005 MG/L		UNV				.02 MG/L		-			
PHOSPHORUS										.3 MG/L		J			
SULFATE				71 MG/L		NV				411 MG/L		J			
TOTAL ORGANIC CARBON				1 MG/L		UNV									
TOTAL ORGANIC HALIDES				.01 MG/L		UNV				.05 MG/L		U			
TOTAL ORGANIC NITROGEN										.3 MG/L		J			
INORGANICS															
ALUMINUM	.737 MG/L		NV	3.55 MG/L		NV							.0418 MG/L		J
ANTIMONY													.0467 MG/L		UJ
ARSENIC	.0025 MG/L		UNV	.0025 MG/L		UNV	.002 MG/L		U				.0031 MG/L		J
BARIUM	.2 MG/L		UNV	.264 MG/L		NV	.092 MG/L		-				.0836 MG/L		J
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV							.0024 MG/L		UJ
CADMIUM							.002 MG/L		U				.0007 MG/L		UJ
CALCIUM	114 MG/L		NV	289 MG/L		NV	121 MG/L		-				123 MG/L		J
CHROMIUM	.005 MG/L		UNV	.343 MG/L		NV	.02 MG/L		U				.0017 MG/L		UJ
COBALT	.025 MG/L		UNV	.025 MG/L		UNV							.0052 MG/L		UJ
COPPER	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U				.0067 MG/L		UJ
IRON	.05 MG/L		UNV	6.48 MG/L		NV	.005 MG/L		U				.0492 MG/L		UJ
LEAD	.005 MG/L		UNV	.008 MG/L		NV	.002 MG/L		UJ				.0105 MG/L		UJ
MAGNESIUM	59.2 MG/L		NV	68 MG/L		NV	63.9 MG/L		-				62.1 MG/L		J
MANGANESE	.115 MG/L		NV	.317 MG/L		NV	.114 MG/L		-				.088 MG/L		J
MERCURY							.0002 MG/L		UJ				.00029 MG/L		R
MOLYBDENUM							.02 MG/L		U				.0333 MG/L		UJ
NICKEL	.322 MG/L		NV	.368 MG/L		NV	.107 MG/L		-				.0123 MG/L		UJ
POTASSIUM							3 MG/L		-				2.1 MG/L		J
SELENIUM							.002 MG/L		UJ				.0018 MG/L		UJ

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SAMPLE NUMBER:	066671			066671			003522			003522			003229		
LAB:	WMCO			WMCO			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															
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U				.0043 MG/L		UJ
SODIUM	9.6 MG/L		NV	15.2 MG/L		NV	18.8 MG/L		-				17.8 MG/L		J
THALLIUM													.0041 MG/L		UJ
VANADIUM	.05 MG/L		UNV	.05 MG/L		UNV							.0034 MG/L		UJ
ZINC	.02 MG/L		UNV	.023 MG/L		NV							.0143 MG/L		J
RADIONUCLIDES															
URANIUM-238										3 PCI/L	.6	J			
URANIUM, TOTAL										7 UG/L	1	-			
URANIUM-234										3.2 PCI/L	.6	J			
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										8 UG/L	4	J			
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		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				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 1 WELLS

SAMPLE NUMBER:	003229			003253			003253			003774			003774		
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:	1074			1075			1075			1075			1075		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-MAY-88			01-JUN-88			01-JUN-88			04-DEC-88			04-DEC-88		
NORTH COORDINATE:	481187.08			481637.42			481637.42			481637.42			481637.42		
EAST COORDINATE:	1378638.85			1378535.9			1378535.9			1378535.9			1378535.9		
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		UJ				141 MG/L		J				253 MG/L		-
CHLORIDE	108 MG/L		J				6180 MG/L		-				5910 MG/L		R
FLUORIDE	1.25 MG/L		J				1 MG/L		-				3 MG/L		-
NITRATE	.39 MG/L		J				2.46 MG/L		J				103 MG/L		-
PHENOLS	.06 MG/L		J				.06 MG/L		J				.01 MG/L		U
PHOSPHORUS							.38 MG/L		-				.358 MG/L		-
SULFATE	60.9 MG/L		J				820 MG/L		-				671 MG/L		-
TOTAL KJELDAHL NITROGEN	.5 MG/L		UJ				143 MG/L		J				185 MG/L		-
TOTAL ORGANIC HALIDES													.09 MG/L		-
TOTAL ORGANIC NITROGEN	.5 MG/L		UJ				2 MG/L		J						
INORGANICS															
ALUMINUM				.0114 MG/L		U									
ANTIMONY				.0467 MG/L		U									
ARSENIC				.0019 MG/L		U				.004 MG/L		R			
BARIUM				.328 MG/L		-				.282 MG/L		-			
BERYLLIUM				.0024 MG/L		U									
CADMIUM				.0007 MG/L		U				.003 MG/L		-			
CALCIUM				1520 MG/L		J				1630 MG/L		-			
CHROMIUM				.015 MG/L		-				.02 MG/L		U			
COBALT				.0085 MG/L		J									
COPPER				.0067 MG/L		U				.014 MG/L		-			
CYANIDE	.02 MG/L		UJ	.02 MG/L		U									
IRON				10.1 MG/L		-				1.66 MG/L		J			
LEAD				.0021 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				602 MG/L		-				645 MG/L		-			
MANGANESE				32.9 MG/L		-				35.8 MG/L		-			
MERCURY				.00038 MG/L		-				.0002 MG/L		U			
MOLYBDENUM				.0333 MG/L		U				.052 MG/L		J			
NICKEL				.0123 MG/L		U				.2 MG/L		-			
POTASSIUM				75.3 MG/L		J				111 MG/L		-			

001244

6416

SAMPLE NUMBER:	003229			003253			003253			003774			003774		
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				.0018 MG/L		UJ				.002 MG/L		R			
SILVER				.0043 MG/L		U				.02 MG/L		U			
SODIUM				977 MG/L		-				1080 MG/L		-			
THALLIUM				.041 MG/L		UJ									
VANADIUM				.0034 MG/L		U									
ZINC				.0579 MG/L		-									
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						
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						
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						

SAMPLE NUMBER:	003229			003253			003253			003774			003774		
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-238	1.4 PCI/L	.3	J				178 PCI/L	23	-				467 PCI/L	73	J
URANIUM, TOTAL	4 UG/L	1	R				528 UG/L	88	J				1340 UG/L	215	-
URANIUM-234	1.7 PCI/L	.3	J				132 PCI/L	17	-				467 PCI/L	73	J
THORIUM-230	1 PCI/L		UJ				2.6 PCI/L	.8	-				1 PCI/L		UJ
RADIUM-226	1 PCI/L		U				1.1 PCI/L	.3	-				1.4 PCI/L	.3	-
URANIUM-235/236	1 PCI/L		UJ				8.4 PCI/L	1.6	-				22.7 PCI/L	4.4	J
THORIUM-232	1 PCI/L		UJ				2.3 PCI/L	.7	-				1 PCI/L		UJ
THORIUM, TOTAL							20.9761289 PCI/L	.7	NV				2 UG/L		UJ
RADIUM-228	3 PCI/L		UJ				4.6 PCI/L	1	J				3 PCI/L		U
THORIUM-228	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		UJ
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		UJ
PLUTONIUM-238	1 PCI/L		UJ				1 PCI/L		U				1 PCI/L		UJ
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				7.1 PCI/L		R
TECHNETIUM-99	30 PCI/L		UJ				30 PCI/L		U				88.4 PCI/L	17.8	-
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		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		UJ				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		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		U						
ACENAPHTHENE	10 UG/L		U				10 UG/L		U						

SAMPLE NUMBER:	003229			003253			003253			003774			003774		
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															
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		UJ				10 UG/L		UJ						
BENZO(K)FLUORANTHENE	10 UG/L		U				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		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	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		UJ				10 UG/L		U						
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ				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		UJ				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				.01 MG/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						

SAMPLE NUMBER:	003229			003253			003253			003774			003774		
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-DICHLOROETHANE	5 UG/L		UJ				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	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		UJ						
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:	003953	003953	EMGW_SYSGEN_181	003568	003568
TASK:	3.2.4	3.2.4	GWMON	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1075	1075	1075	1075	1075
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAR-89	12-MAR-89	22-MAR-90	24-AUG-88	24-AUG-88
NORTH COORDINATE:	481637.42	481637.42	481637.42	481637.42	481637.42
EAST COORDINATE:	1378535.9	1378535.9	1378535.9	1378535.9	1378535.9
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				220 MG/L		-							140 MG/L		J
CHLORIDE				6300 MG/L		-							5850 MG/L		-
FLUORIDE				2.4 MG/L		-							2.8 MG/L		J
NITRATE				160 MG/L		-							15.3 MG/L		J
PHENOLS				.005 MG/L		-							.01 MG/L		J
PHOSPHORUS				.02 MG/L		-							.725 MG/L		-
SULFATE				720 MG/L		-							697 MG/L		J
TOTAL KJELDAHL NITROGEN				260 MG/L		-									
TOTAL ORGANIC HALIDES				.16 MG/L		-							.82 MG/L		J
TOTAL ORGANIC NITROGEN				40 MG/L		-									
INORGANICS															
ARSENIC	.003 MG/L		-							.002 MG/L		U			
BARIUM	.25 MG/L		-							.292 MG/L		-			
CADMIUM	.05 MG/L		-							.002 MG/L		U			
CALCIUM	1800 MG/L		-							1770 MG/L		-			
CHROMIUM	.3 MG/L		-							.02 MG/L		U			
COPPER	.06 MG/L		-							.023 MG/L		-			
IRON	1.3 MG/L		-							3.7 MG/L		-			
LEAD	.002 MG/L		U							.002 MG/L		UJ			
MAGNESIUM	690 MG/L		-							698 MG/L		-			
MANGANESE	35 MG/L		J							38 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
MOLYBDENUM	.2 MG/L		-							.036 MG/L		-			
NICKEL	.6 MG/L		-							.062 MG/L		-			
POTASSIUM	100 MG/L		J							85.5 MG/L		-			
SELENIUM	.015 MG/L		U							.002 MG/L		UJ			
SILVER	.05 MG/L		U							.01 MG/L		U			
SODIUM	1300 MG/L		J							1020 MG/L		-			

RADIONUCLIDES

URANIUM-238
10/01/94

				272 PCI/L	30.2	J	304 PCI/L		NV				243 PCI/L	39	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

DRAFT
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SAMPLE NUMBER:	003953			003953			EMGW_SYSGEN_181			003568			003568		
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				757 UG/L	140	-	910 UG/L		NV				500 UG/L	100	-
URANIUM-234				258 PCI/L	28.8	J	289 PCI/L		NV				210 PCI/L	34	-
THORIUM-230				1.6 PCI/L	.7	J							1 PCI/L		U
RADIUM-226				1.3 PCI/L	.3	-							1.1 PCI/L	.4	J
URANIUM-235/236				10.4 PCI/L	1.4	J	13.9 PCI/L		NV				14.1 PCI/L	3.1	-
THORIUM-232				1 PCI/L		UJ							1 PCI/L		U
THORIUM, TOTAL				7 UG/L		UJ							4 UG/L		U
RADIUM-228				3 PCI/L		R							3 PCI/L		U
THORIUM-228				1 PCI/L	.6	J							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		UJ
TECHNETIUM-99				106 PCI/L	24	J							39.7 PCI/L	9	-
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 1 WELLS

SAMPLE NUMBER:	003954	003954	003767	003767	EMGW_SYSGEN_182
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1076	1076	1076	1076	1076
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-MAR-89	12-MAR-89	20-NOV-88	20-NOV-88	21-MAR-90
NORTH COORDINATE:	481425.85	481425.85	481425.85	481425.85	481425.85
EAST COORDINATE:	1378748.89	1378748.89	1378748.89	1378748.89	1378748.89
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				.4 MG/L		U				1.28 MG/L		J			
CHLORIDE				13 MG/L		U				33 MG/L		-			
FLUORIDE				.7 MG/L		-				.8 MG/L		-			
NITRATE				.07 MG/L		-				.1 MG/L		U			
PHENOLS				.005 MG/L		U				.01 MG/L		U			
PHOSPHORUS				.09 MG/L		-				.147 MG/L		-			
SULFATE				100 MG/L		-				139 MG/L		-			
TOTAL KJELDAHL NITROGEN				.7 MG/L		-				1.71 MG/L		J			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.05 MG/L		U			
TOTAL ORGANIC NITROGEN				.3 MG/L		-				.43 MG/L		J			
INORGANICS															
ARSENIC	.003 MG/L		U				.002 MG/L		UJ						
BARIUM	.059 MG/L		-				.065 MG/L		-						
CADMIUM	.005 MG/L		-				.002 MG/L		U						
CALCIUM	126 MG/L		-				125 MG/L		-						
CHROMIUM	.03 MG/L		-				.02 MG/L		U						
COPPER	.02 MG/L		-				.01 MG/L		U						
IRON	.05 MG/L		-				.038 MG/L		J						
LEAD	.002 MG/L		U				.006 MG/L		-						
MAGNESIUM	67 MG/L		-				65.4 MG/L		-						
MANGANESE	.31 MG/L		-				.455 MG/L		-						
MERCURY	.0004 MG/L		-				.0002 MG/L		U						
MOLYBDENUM	.03 MG/L		-				.023 MG/L		-						
NICKEL	.03 MG/L		U				.022 MG/L		-						
POTASSIUM	2.3 MG/L		-				3.11 MG/L		-						
SELENIUM	.005 MG/L		U				.002 MG/L		J						
SILVER	.01 MG/L		U				.0005 MG/L		U						
SODIUM	41 MG/L		-				89.1 MG/L		-						

URANIUM-238				12.8 PCI/L	1.7	J				54 PCI/L	8.7	-	23.1 PCI/L		NV
SAMPLE NUMBER:	003954			003954			003767			003767			EMGW_SYSGEN_182		
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)
RADIONUCLIDES															
URANIUM, TOTAL				35 UG/L	6	-				144 UG/L	24	-	68.8 UG/L		NV
URANIUM-234				4.6 PCI/L	.8	J				12.4 PCI/L	2.5	-	12.1 PCI/L		NV
THORIUM-230				1 PCI/L		R				1 PCI/L		U			
RADIUM-226				1 PCI/L		U				1 PCI/L		U			
URANIUM-235/236				1 PCI/L		UJ				2 PCI/L	.9	-	.627 PCI/L		NV
THORIUM-232				1 PCI/L		R				1 PCI/L		U			
THORIUM, TOTAL				9 UG/L		R				5 UG/L		U			
RADIUM-228				3 PCI/L		R				3 PCI/L		UJ			
THORIUM-228				1 PCI/L		R				1 PCI/L		U			
NEPTUNIUM-237				1 PCI/L		UJ				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				5.3 PCI/L	1.2	J				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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003523	003523	003226	003226	003178
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:	1076	1076	1076	1076	1077
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-AUG-88	22-AUG-88	23-MAY-88	23-MAY-88	11-MAY-88
NORTH COORDINATE:	481425.85	481425.85	481425.85	481425.85	481407.65
EAST COORDINATE:	1378748.89	1378748.89	1378748.89	1378748.89	1378815.68
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										5.9 NG/L		U			
2,3,7,8-TETRACHLORODIBENZOFURAN										3.1 NG/L		U			
HEPTACHLORODIBENZO-P-DIOXINS										.76 NG/L		U			
HEPTACHLORODIBENZOFURANS										1.1 NG/L		U			
HEXACHLORODIBENZO-P-DIOXINS										2.1 NG/L		U			
HEXACHLORODIBENZOFURANS										1.6 NG/L		U			
OCTACHLORODIBENZO-P-DIOXIN										3.4 NG/L		U			
OCTACHLORODIBENZOFURAN										1.8 NG/L		U			
PENTACHLORODIBENZO-P-DIOXINS										3.1 NG/L		U			
PENTACHLORODIBENZOFURANS										1.4 NG/L		U			
TETRACHLORODIBENZO-P-DIOXINS										.25 NG/L		U			
TETRACHLORODIBENZOFURANS										.56 NG/L		U			
GENERAL CHEMISTRY															
AMMONIA				.1 MG/L		J				.5 MG/L		UJ			
CHLORIDE				2.5 MG/L		-				9.1 MG/L		J			
FLUORIDE				1.1 MG/L		J				.22 MG/L		J			
NITRATE				.22 MG/L		J				.08 MG/L		J			
PHENOLS				.02 MG/L		-				.05 MG/L		UJ			
PHOSPHORUS				.885 MG/L		J									
SULFATE				2 MG/L		U				132 MG/L		J			
TOTAL KJELDAHL NITROGEN										.5 MG/L		UJ			
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				.2 MG/L		J				.5 MG/L		UJ			

INORGANICS

ALUMINUM .0144 MG/L J
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003523			003523			003226			003226			003178		
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															
ANTIMONY							.0467 MG/L		UJ						
ARSENIC	.002 MG/L		U				.0021 MG/L		J				.2 MG/L		U
BARIUM	.058 MG/L		-				.0594 MG/L		J				.092 MG/L		-
BERYLLIUM							.0024 MG/L		UJ						
CADMIUM	.002 MG/L		U				.0007 MG/L		UJ				.0059 MG/L		-
CALCIUM	123 MG/L		-				12.9 MG/L		J				73.9 MG/L		-
CHROMIUM	.02 MG/L		U				.0017 MG/L		UJ				.02 MG/L		U
COBALT							.0052 MG/L		UJ						
COPPER	.012 MG/L		-				.0067 MG/L		UJ				.016 MG/L		-
CYANIDE										.02 MG/L		UJ			
IRON	.005 MG/L		U				.0297 MG/L		UJ				.25 MG/L		-
LEAD	.002 MG/L		UJ				.0021 MG/L		UJ				.05 MG/L		U
MAGNESIUM	72.9 MG/L		-				71.3 MG/L		J				46.2 MG/L		-
MANGANESE	.354 MG/L		-				.147 MG/L		J				.048 MG/L		-
MERCURY	.0002 MG/L		UJ				.00029 MG/L		R				.0002 MG/L		UJ
MOLYBDENUM	.02 MG/L		U				.0333 MG/L		UJ				.02 MG/L		U
NICKEL	.038 MG/L		-				.0123 MG/L		UJ				.02 MG/L		U
POTASSIUM	2.9 MG/L		-				2.13 MG/L		J				2.22 MG/L		-
SELENIUM	.002 MG/L		UJ				.0018 MG/L		UJ				.2 MG/L		U
SILVER	.01 MG/L		U				.0043 MG/L		UJ				.2 MG/L		U
SODIUM	25.5 MG/L		-				20.8 MG/L		J				11.3 MG/L		-
THALLIUM							.0041 MG/L		UJ						
VANADIUM							.0043 MG/L		J						
ZINC							.0528 MG/L		J						
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										5 UG/L		U			
DEMETON										1 UG/L		U			
DIAZINON										.5 UG/L		U			
DISULFOTON										.5 UG/L		U			
ETHION										.5 UG/L		U			
MALATHION										1 UG/L		U			
METHYL PARATHION										1 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			

001257

6416

SAMPLE NUMBER:	003523			003523			003226			003226			003178		
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)
PESTICIDES															
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				10.9 PCI/L	1.4	J				4.9 PCI/L	.8	J			
URANIUM, TOTAL				33 UG/L	5	-				16 UG/L	3	R			
URANIUM-234				8 PCI/L	1.1	J				3.7 PCI/L	.7	J			
THORIUM-230				3.1 PCI/L	.9	J				2.3 PCI/L	.6	J			
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				5 UG/L		UJ									
RADIUM-228				3 PCI/L		U				3 PCI/L		UJ			
THORIUM-228				1.1 PCI/L	.5	J				1.1 PCI/L	.4	J			
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		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			

SAMPLE NUMBER:	003523			003523			003226			003226			003178		
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)
SEMIVOLATILES															
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			
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		UJ			
4-CHLORO-3-METHYLPHENOL										10 UG/L		R			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		R			
4-NITROANILINE										50 UG/L		U			
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		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			
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			

SAMPLE NUMBER:	003523			003523			003226			003226			003178		
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)
SEMIVOLATILES															
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		R			
PHENANTHRENE										10 UG/L		U			
PHENOL				.02 MG/L		-				10 UG/L		R			
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		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		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										5 UG/L		U			
STYRENE										5 UG/L		UJ			

SAMPLE NUMBER:	003523			003523			003226			003226			003178		
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)
VOLATILES															
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		UJ			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003178	003955	003955	123362	123362
TASK:	3.2.4	3.2.4	3.2.4	10.03.08	10.03.08
LAB:	IT	IT	IT	IT	IT/RSL
WELL OR BORING NUMBER:	1077	1077	1077	1077	1077
DEPTH:	-	-	-	0-10	0-10
DATE COLLECTED:	11-MAY-88	12-MAR-89	12-MAR-89	15-JUL-93	15-JUL-93
NORTH COORDINATE:	481407.65	481407.65	481407.65	481407.65	481407.65
EAST COORDINATE:	1378815.68	1378815.68	1378815.68	1378815.68	1378815.68
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		UJ				.4 MG/L		U						
CHLORIDE	10.7 MG/L		-				8.2 MG/L		U						
FLUORIDE	1.1 MG/L		J				.5 MG/L		-						
NITRATE	.1 MG/L		J				.02 MG/L		U						
PHENOLS	.02 MG/L		J				.019 MG/L		-						
PHOSPHORUS	.355 MG/L		J				.01 MG/L		U						
SULFATE	57 MG/L		J				97 MG/L		-						
TOTAL KJELDAHL NITROGEN							.7 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.1 MG/L		J				.3 MG/L		-						
INORGANICS															
ARSENIC				.003 MG/L		U									
BARIUM				.097 MG/L		-									
CADMIUM				.005 MG/L		U									
CALCIUM				110 MG/L		-									
CHROMIUM				.03 MG/L		-									
COPPER				.02 MG/L		-									
IRON				.19 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				51 MG/L		-									
MANGANESE				.26 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		-				.02 MG/L		U			
NICKEL				.03 MG/L		U									
POTASSIUM				1.7 MG/L		-									
SELENIUM				.005 MG/L		U									
SILVER				.01 MG/L		U									
SODIUM				14 MG/L		-									

RADIONUCLIDES															
URANIUM-238	9.5 PCI/L	1.3	-				2.7 PCI/L	.5	J						
10/01/94															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	003178			003955			003955			123362			123362		
LAB:	IT			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)
RADIONUCLIDES															
URANIUM, TOTAL	30 UG/L	5	J				8 UG/L	2	-						
URANIUM-234	8.7 PCI/L	1.2	-				2.5 PCI/L	.5	J						
THORIUM-230	1.9 PCI/L	.5	-				1 PCI/L		UJ						
RADIUM-226	1 PCI/L	.3	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		UJ						
RADIUM-228	3 PCI/L		U				3 PCI/L		R						
THORIUM-228	1.1 PCI/L	.4	-				1 PCI/L		UJ						
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		UJ				.5 PCI/L	.159	UJ
PLUTONIUM-239/240	1 PCI/L		U				1 PCI/L		UJ				.5 PCI/L	.0411	UJ
PLUTONIUM-238	1 PCI/L		U				1 PCI/L		UJ				.5 PCI/L	.077	UJ
STRONTIUM-90	5 PCI/L		U				5 PCI/L		U				1 PCI/L	.395	UJ
TECHNETIUM-99	30 PCI/L		U				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				13 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			
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			

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SAMPLE NUMBER:	003178			003955			003955			123362			123362		
LAB:	IT			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															
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										4 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										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	.02 MG/L		J				.019 MG/L		-	10 UG/L		UJ			
PYRENE										10 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003768	003768	EMGW_SYSGEN_184	003524	003524
TASK:	3.2.4	3.2.4	GWMON	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1077	1077	1077	1077	1077
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-NOV-88	20-NOV-88	21-MAR-90	22-AUG-88	22-AUG-88
NORTH COORDINATE:	481407.65	481407.65	481407.65	481407.65	481407.65
EAST COORDINATE:	1378815.68	1378815.68	1378815.68	1378815.68	1378815.68
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		UJ							.1 MG/L		J
CHLORIDE				6 MG/L		-							3 MG/L		-
FLUORIDE				.64 MG/L		-							.86 MG/L		J
NITRATE				.1 MG/L		U							.27 MG/L		J
PHENOLS				.01 MG/L		U							.02 MG/L		-
PHOSPHORUS				.302 MG/L		-							.79 MG/L		J
SULFATE				103 MG/L		-							138 MG/L		J
TOTAL KJELDAHL NITROGEN				.4 MG/L		J									
TOTAL ORGANIC HALIDES				.05 MG/L		U							.05 MG/L		U
TOTAL ORGANIC NITROGEN				.4 MG/L		J							.5 MG/L		J
INORGANICS															
ARSENIC	.002 MG/L		UJ							.002 MG/L		U			
BARIUM	.099 MG/L		-							.098 MG/L		-			
CADMIUM	.002 MG/L		U							.002 MG/L		U			
CALCIUM	101 MG/L		-							106 MG/L		-			
CHROMIUM	.02 MG/L		U							.02 MG/L		U			
COPPER	.01 MG/L		U							.01 MG/L		U			
IRON	.399 MG/L		-							.018 MG/L		-			
LEAD	.002 MG/L		UJ							.002 MG/L		UJ			
MAGNESIUM	48.4 MG/L		-							51.9 MG/L		-			
MANGANESE	.283 MG/L		-							.265 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		UJ			
MOLYBDENUM	.033 MG/L		-							.02 MG/L		U			
NICKEL	.02 MG/L		U							.02 MG/L		U			
POTASSIUM	1.54 MG/L		-							2.3 MG/L		-			
SELENIUM	.002 MG/L		UJ							.002 MG/L		UJ			
SILVER	.0005 MG/L		U							.01 MG/L		U			
SODIUM	32.5 MG/L		-							13.1 MG/L		-			

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RADIONUCLIDES

URANIUM-238				7.1 PCI/L	1.4	J	3.2 PCI/L		NV				18.6 PCI/L	2.6	J
10/01/94															

SAMPLE NUMBER:	003768			003768			EMGW_SYSGEN_184			003524			003524		
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	UJ	9.57 UG/L		NV				86 UG/L	12	-
URANIUM-234				4.9 PCI/L	1.1	J	2.89 PCI/L		NV				14.7 PCI/L	2.1	J
THORIUM-230				.4 PCI/L		UJ							10.3 PCI/L	1.6	J
RADIUM-226				1 PCI/L		UJ							1 PCI/L		UJ
URANIUM-235/236				.5 PCI/L		UJ	.2 PCI/L		UNV				1 PCI/L		UJ
THORIUM-232				.4 PCI/L		UJ							1 PCI/L		UJ
THORIUM, TOTAL				4 UG/L		UJ							3 UG/L		UJ
RADIUM-228				3 PCI/L		UJ							3 PCI/L		U
THORIUM-228				.4 PCI/L		UJ							1 PCI/L		UJ
NEPTUNIUM-237				.5 PCI/L		UJ							1 PCI/L		UJ
PLUTONIUM-239/240				.5 PCI/L		UJ							1 PCI/L		U
PLUTONIUM-238				.5 PCI/L		UJ							1 PCI/L		U
STRONTIUM-90				1.5 PCI/L		UJ							5 PCI/L		U
TECHNETIUM-99				23 PCI/L		UJ							30 PCI/L		U
RUTHENIUM-106				110 PCI/L		R							150 PCI/L		R
CESIUM-137				12 PCI/L		R							20 PCI/L		R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003737			003737			003932			003932			003561		
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:	1078			1078			1078			1078			1078		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-DEC-88			04-DEC-88			10-MAR-89			10-MAR-89			11-AUG-88		
NORTH COORDINATE:	481888.89			481888.89			481888.89			481888.89			481888.89		
EAST COORDINATE:	1378704.35			1378704.35			1378704.35			1378704.35			1378704.35		
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				.3 MG/L		UJ			
CHLORIDE				222 MG/L		R				270 MG/L		J			
FLUORIDE				.62 MG/L		-				.6 MG/L		J			
NITRATE				7.35 MG/L		-				18 MG/L		J			
PHENOLS				.02 MG/L		-				.01 MG/L		UJ			
PHOSPHORUS				.831 MG/L		-				.19 MG/L		J			
SULFATE				133 MG/L		-				170 MG/L		J			
TOTAL KJELDAHL NITROGEN				1.03 MG/L		-				.6 MG/L		J			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.05 MG/L		UJ			
TOTAL ORGANIC NITROGEN				1.03 MG/L		-				.3 MG/L		J			
INORGANICS															
ARSENIC	.01 MG/L		R				.008 MG/L		J				.34 MG/L		-
BARIUM	.137 MG/L		-				.14 MG/L		J				.143 MG/L		-
CADMIUM	.002 MG/L		U				.007 MG/L		J				.002 MG/L		U
CALCIUM	249 MG/L		-				310 MG/L		J				269.3 MG/L		-
CHROMIUM	.02 MG/L		U				.04 MG/L		J				.02 MG/L		U
COPPER	.01 MG/L		U				.01 MG/L		J				.01 MG/L		U
IRON	.028 MG/L		J				.12 MG/L		J				.017 MG/L		-
LEAD	.005 MG/L		UJ				.002 MG/L		J				.05 MG/L		U
MAGNESIUM	92.8 MG/L		-				110 MG/L		J				105.6 MG/L		-
MANGANESE	.397 MG/L		-				.48 MG/L		J				.284 MG/L		-
MERCURY	.0003 MG/L		J				.0002 MG/L		UJ				.0002 MG/L		UJ
MOLYBDENUM	.02 MG/L		UJ				.03 MG/L		J				.025 MG/L		-
NICKEL	.02 MG/L		U				.04 MG/L		J				.02 MG/L		U
POTASSIUM	3.22 MG/L		-				3 MG/L		J				3.01 MG/L		-
SELENIUM	.002 MG/L		R				.002 MG/L		UJ				.2 MG/L		-
SILVER	.02 MG/L		U				.01 MG/L		J				.01 MG/L		-
SODIUM	30.5 MG/L		-				36 MG/L		J				24.43 MG/L		-

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RADIONUCLIDES

URANIUM-238 19.3 PCI/L 2.5 J 34.2 PCI/L 4.8 -

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003737	003737	003932	003932	003561
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)
RADIONUCLIDES															
URANIUM, TOTAL				57 UG/L	10	-				90 UG/L	16	-			
URANIUM-234				7 PCI/L	1.1	J				10.1 PCI/L	1.7	-			
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		UJ				1 PCI/L		U			
THORIUM-232				1 PCI/L		UJ				1 PCI/L		U			
THORIUM, TOTAL				6 UG/L		UJ				4 UG/L		U			
RADIUM-228				3 PCI/L		U				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		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		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 1 WELLS

SAMPLE NUMBER:	003561			EMGW_SYSGEN_186			003227			003227			EMGW_SYSGEN_195		
TASK:	3.2.4			GWMON			3.2.4			3.2.4			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1078			1078			1078			1078			1079		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-AUG-88			22-MAR-90			23-MAY-88			23-MAY-88			03-OCT-91		
NORTH COORDINATE:	481888.89			481888.89			481888.89			481888.89			482273.7		
EAST COORDINATE:	1378704.35			1378704.35			1378704.35			1378704.35			1378165.47		
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							.5 MG/L		UJ			
CHLORIDE	270 MG/L		J							237 MG/L		J			
FLUORIDE	.78 MG/L		J							1.95 MG/L		J			
NITRATE	13 MG/L		R							1.67 MG/L		J			
PHENOLS	.02 MG/L		J							.06 MG/L		J			
PHOSPHORUS	.152 MG/L		J												
SULFATE	140 MG/L		J							157 MG/L		J			
TOTAL KJELDAHL NITROGEN										.5 MG/L		UJ			
TOTAL ORGANIC NITROGEN	.2 MG/L		J							.5 MG/L		UJ			
INORGANICS															
ALUMINUM							.0701 MG/L		J				.2 MG/L		UNV
ANTIMONY							.0467 MG/L		UJ				.02 MG/L		UNV
ARSENIC							.0073 MG/L		J				.005 MG/L		UNV
BARIUM							.144 MG/L		J				.2 MG/L		UNV
BERYLLIUM							.0024 MG/L		UJ				.005 MG/L		UNV
CADMIUM							.0007 MG/L		UJ				.001 MG/L		UNV
CALCIUM							298 MG/L		J				130 MG/L		NV
CHROMIUM							.0017 MG/L		UJ						
COBALT							.0052 MG/L		UJ				.005 MG/L		UNV
COPPER							.0067 MG/L		UJ				.02 MG/L		UNV
CYANIDE										.02 MG/L		UJ			
IRON							.0854 MG/L		UJ				.1 MG/L		UNV
LEAD							.0105 MG/L		UJ				.003 MG/L		UNV
MAGNESIUM							108 MG/L		J				44 MG/L		NV
MANGANESE							.106 MG/L		J				.076 MG/L		NV
MERCURY							.00029 MG/L		R				.0002 MG/L		UNV
MOLYBDENUM							.0333 MG/L		UJ				.01 MG/L		UNV
NICKEL							.0123 MG/L		UJ				.01 MG/L		UNV
POTASSIUM							2.72 MG/L		J				1.7 MG/L		NV
SELENIUM							.0018 MG/L		UJ				.005 MG/L		UNV

00129639

64116

SAMPLE NUMBER:	003561			EMGW_SYSGEN_186			003227			003227			EMGW_SYSGEN_195		
LAB:	IT			IT			IT			IT			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															
SILVER							.0043 MG/L		UJ				.001 MG/L		UNV
SODIUM							27 MG/L		J				17 MG/L		NV
THALLIUM							.0041 MG/L		UJ				.01 MG/L		UNV
VANADIUM							.0034 MG/L		UJ				.05 MG/L		UNV
ZINC							.025 MG/L		J				.02 MG/L		NV
ORGANOPHOSPHORUS PESTICIDES															
AZINPHOSMETHYL										5 UG/L		U			
DEMETON										1 UG/L		U			
DIAZINON										.5 UG/L		U			
DISULFOTON										.5 UG/L		U			
ETHION										.5 UG/L		U			
MALATHION										1 UG/L		U			
METHYL PARATHION										1 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			
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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

RADIONUCLIDES																		
URANIUM-238	19.7 PCI/L	2.5	-	168 PCI/L		NV				83 PCI/L	12	J			
10/01/94															
SAMPLE NUMBER:	003561			EMGW_SYSGEN_186			003227			003227			EMGW_SYSGEN_195		
LAB:	IT			IT			IT			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL	53 UG/L	8	-	501 UG/L		NV				245 UG/L	41	R			
URANIUM-234	7.7 PCI/L	1.1	-	140 PCI/L		NV				21.6 PCI/L	3.4	J			
THORIUM-230	1 PCI/L		UJ							1.3 PCI/L	.8	J			
RADIUM-226	1 PCI/L		U							1 PCI/L		U			
URANIUM-235/236	1 PCI/L		U	7.53 PCI/L		NV				2.4 PCI/L	.8	J			
THORIUM-232	1 PCI/L		UJ							1 PCI/L		UJ			
THORIUM, TOTAL	6 UG/L		UJ												
RADIUM-228	3 PCI/L		U							3 PCI/L		UJ			
THORIUM-228	1 PCI/L		UJ							1.9 PCI/L	1	J			
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		R							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			
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		UJ			
4-CHLORO-3-METHYLPHENOL										10 UG/L		U			
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		U			
4-METHYLPHENOL										10 UG/L		U			

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SAMPLE NUMBER:	003561			EMGW_SYSGEN_186			003227			003227			EMGW_SYSGEN_195		
LAB:	IT			IT			IT			IT			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															
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		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										3 UG/L		J			
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		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	.02 MG/L		J							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			

SAMPLE NUMBER:	003561			EMGW_SYSGEN_186			003227			003227			EMGW_SYSGEN_195		
LAB:	IT			IT			IT			IT			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															
1,1,2-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		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										16 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		UJ			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_195	EMGW_SYSGEN_195	GW930105-5	GW930105-5	GW930105-5
TASK:	GWMON	GWMON	RCRA	RCRA	RCRA
LAB:	NET	WMCO	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	1079	1079	1079	1079	1079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-OCT-91	03-OCT-91	05-JAN-93	05-JAN-93	05-JAN-93
NORTH COORDINATE:	482273.7	482273.7	482273.7	482273.7	482273.7
EAST COORDINATE:	1378165.47	1378165.47	1378165.47	1378165.47	1378165.47
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	416 MG/L		NV												
AMMONIA	.38 MG/L		NV												
CHLORIDE	1 MG/L		UNV												
FLUORIDE	1.06 MG/L		NV												
NITRATE, AS NITROGEN	.07 MG/L		NV												
PH	7.17 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.3 MG/L		NV												
SPECIFIC CONDUCTIVITY	1010 UMHOS/CM		NV												
SULFATE	274 MG/L		NV												
TOTAL DISSOLVED SOLIDS	770 MG/L		NV										809 MG/L		NV
TOTAL ORGANIC CARBON	8 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
ALUMINUM	2.5 MG/L		NV										.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										.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV										.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV										.001 MG/L		UNV
CALCIUM	160 MG/L		NV										146 MG/L		NV
CHROMIUM	.0117 MG/L		NV										.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	3.7 MG/L		NV										.1 MG/L		UNV
LEAD	.003 MG/L		UNV										.003 MG/L		UNV
MAGNESIUM	74 MG/L		NV										70.7 MG/L		NV
MANGANESE	.137 MG/L		NV										.046 MG/L		NV
MERCURY	.0002 MG/L		UNV										.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_195			EMGW_SYSGEN_195			GW930105-5			GW930105-5			GW930105-5		
LAB:	NET			WMCO			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)
INORGANICS															
MOLYBDENUM	.015 MG/L		NV										.0135 MG/L		NV
NICKEL	.01 MG/L		UNV										.01 MG/L		UNV
POTASSIUM	2.6 MG/L		NV												
SELENIUM	.005 MG/L		UNV										.005 MG/L		UNV
SILVER	.001 MG/L		UNV										.001 MG/L		UNV
SODIUM	16 MG/L		NV												
THALLIUM	.01 MG/L		UNV										.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV										.05 MG/L		UNV
ZINC	.029 MG/L		NV										.02 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM, TOTAL				1.4 UG/L		NV	.5 UG/L		NV	1.8 UG/L		NV			
THORIUM-230							.2 PCI/L	.1	UNV						
RADIUM-226							1 PCI/L	.3	UNV						
THORIUM-232							.2 PCI/L	.1	UNV						
THORIUM, TOTAL							1.4 UG/L		NV						
RADIUM-228							3 PCI/L	1	UNV						
THORIUM-228							.2 PCI/L	.1	UNV						
GROSS ALPHA							1.4 PCI/L	2.5	NV						
GROSS BETA							5.9 PCI/L	2.7	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												

SAMPLE NUMBER:	EMGW_SYSGEN_195			EMGW_SYSGEN_195			GW930105-5			GW930105-5			GW930105-5		
LAB:	NET			WMCO			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															
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:	GW930105-5	EMGW_SYSGEN_188	EMGW_SYSGEN_188	EMGW_SYSGEN_188	003351
TASK:	RCRA	GWMON	GWMON	GWMON	3.2.4
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	1079	1079	1079	1079	1079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JAN-93	11-MAY-90	11-MAY-90	11-MAY-90	13-JUL-88
NORTH COORDINATE:	482273.7	482273.7	482273.7	482273.7	482273.7
EAST COORDINATE:	1378165.47	1378165.47	1378165.47	1378165.47	1378165.47
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	416 MG/L		NV												
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.4 MG/L		NV										.1 MG/L		U
BICARBONATE ALKALINITY	445 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	2 MG/L		NV							3 MG/L		NV	1 MG/L		-
FLUORIDE	1.21 MG/L		NV							.61 MG/L		NV	1.18 MG/L		-
NITRATE	.12 MG/L		NV							.06 MG/L		NV	.1 MG/L		U
NITRATE, AS NITROGEN										.06 MG/L		NV			
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.4 SU		NV							4 UG/L		UNV	.01 MG/L		U
PHENOLS	.01 MG/L		UNV							.005 MG/L		UNV	.01 MG/L		U
PHOSPHORUS	.33 MG/L		NV										.54 MG/L		-
SPECIFIC CONDUCTIVITY	1260 UMHOS/CM		UNV												
SULFATE	334 MG/L		NV							244 MG/L		NV	855 MG/L		-
TOTAL ORGANIC CARBON	12 MG/L		NV							2 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		UNV												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN													.1 MG/L		U
TOTAL SOLIDS	1070 MG/L		NV												
INORGANICS															
ALUMINUM	2.88 MG/L		NV				.05 MG/L		UNV	3.54 MG/L		NV			
ANTIMONY	.02 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.005 MG/L		UNV				.0025 MG/L		UNV	.005 MG/L		NV	.2 MG/L		U
BARIUM	.2 MG/L		UNV				.2 MG/L		UNV	.2 MG/L		UNV	.055 MG/L		-
BERYLLIUM	.005 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV	.002 MG/L		U
CALCIUM	164 MG/L		NV				133 MG/L		NV	104 MG/L		NV	112.2 MG/L		-
CHROMIUM	.0106 MG/L		NV							.005 MG/L		UNV	.02 MG/L		U
COBALT	.005 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV			

001277

SAMPLE NUMBER:	GW930105-5			EMGW_SYSGEN_188			EMGW_SYSGEN_188			EMGW_SYSGEN_188			003351		
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															
COPPER	.02 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	33.3 MG/L		NV				.05 MG/L		UNV	4.04 MG/L		NV	.177 MG/L		-
LEAD	.003 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		UNV	.05 MG/L		U
MAGNESIUM	79 MG/L		NV				50 MG/L		NV	78 MG/L		NV	52.56 MG/L		-
MANGANESE	.229 MG/L		NV				.049 MG/L		NV	.166 MG/L		NV	.161 MG/L		-
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV	.0008 MG/L		-
MOLYBDENUM	.0158 MG/L		NV				.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		U
NICKEL	.014 MG/L		NV				.005 MG/L		UNV	.005 MG/L		UNV	.02 MG/L		U
POTASSIUM	2.9 MG/L		NV				1.19 MG/L		NV	2.55 MG/L		NV	1.58 MG/L		-
SELENIUM	.005 MG/L		UNV				.0025 MG/L		UNV	.0025 MG/L		UNV	.2 MG/L		U
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		R
SODIUM	24 MG/L		NV				24 MG/L		NV	24.2 MG/L		NV	14.24 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	.02 MG/L		UNV				.02 MG/L		UNV	.03 MG/L		NV			
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												
3-METHYLPHENOL										4 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												
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			

SAMPLE NUMBER:	GW930105-5			EMGW_SYSGEN_188			EMGW_SYSGEN_188			EMGW_SYSGEN_188			003351		
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)
PESTICIDES															
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-238				.636 PCI/L		NV							1 PCI/L		UJ
URANIUM, TOTAL				1.94 UG/L		NV							2 UG/L	1	-
URANIUM-234				1.02 PCI/L		NV							1.3 PCI/L	.3	J
THORIUM-230				.65 PCI/L		UNV							1 PCI/L		UJ
RADIUM-226				1 PCI/L		UNV							1 PCI/L		U
URANIUM-235/236				.22 PCI/L		UNV							1 PCI/L		UJ
THORIUM-232				.65 PCI/L		UNV							1 PCI/L		UJ
THORIUM, TOTAL				5.8 UG/L		UNV							4 UG/L		UJ
RADIUM-228				3 PCI/L		UNV							3 PCI/L		U
THORIUM-228				.65 PCI/L		UNV							1 PCI/L		UJ
NEPTUNIUM-237				.5 PCI/L		UNV							1 PCI/L		UJ
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				24 PCI/L		UNV							30 PCI/L		UJ
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		R
CESIUM-137				9 PCI/L		UNV							20 PCI/L		R
GROSS ALPHA				15 PCI/L		UNV									
GROSS BETA				28 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			

SAMPLE NUMBER:	GW930105-5			EMGW_SYSGEN_188			EMGW_SYSGEN_188			EMGW_SYSGEN_188			003351		
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)
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-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										35.4 UG/L		NV			
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			
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			

SAMPLE NUMBER:	GW930105-5			EMGW_SYSGEN_188			EMGW_SYSGEN_188			EMGW_SYSGEN_188			003351		
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)
SEMIVOLATILES															
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	.01 MG/L		UNV							4 UG/L		UNV	.01 MG/L		U
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	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												
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 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV							1 UG/L		UNV			

SAMPLE NUMBER:	GW930105-5			EMGW_SYSGEN_188			EMGW_SYSGEN_188			EMGW_SYSGEN_188			003351		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_190	EMGW_SYSGEN_190D	EMGW_SYSGEN_191	EMGW_SYSGEN_191	EMGW_SYSGEN_191
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	NET	IT	NET	NET
WELL OR BORING NUMBER:	1079	1079	1079	1079	1079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-NOV-90	14-NOV-90	15-NOV-90	15-NOV-90	15-NOV-90
NORTH COORDINATE:	482273.7	482273.7	482273.7	482273.7	482273.7
EAST COORDINATE:	1378165.47	1378165.47	1378165.47	1378165.47	1378165.47
QA TYPE:	NORMAL	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_190			
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													367 MG/L		NV
AMMONIA													.35 MG/L		NV
CHLORIDE													6 MG/L		NV
FLUORIDE													.98 MG/L		NV
NITRATE/NITRITE													.28 MG/L		NV
PH	4 UG/L		UNV	4 UG/L		UNV							6.8 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.04 MG/L		NV
SPECIFIC CONDUCTIVITY													783 UMHOS/CM		NV
SULFATE													231 MG/L		NV
TOTAL DISSOLVED SOLIDS													760 MG/L		NV
TOTAL ORGANIC CARBON													6 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM										.5 MG/L		UNV	.57 MG/L		NV
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										40.9 MG/L		NV	80.3 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
CYANIDE													.005 MG/L		UNV
IRON										.196 MG/L		NV	1.18 MG/L		NV
LEAD										.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM										24.8 MG/L		NV	30 MG/L		NV
MANGANESE										.048 MG/L		NV	.071 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV

001283

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SAMPLE NUMBER:	EMGW_SYSGEN_190			EMGW_SYSGEN_190D			EMGW_SYSGEN_191			EMGW_SYSGEN_191			EMGW_SYSGEN_191		
LAB:	NET			NET			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															
MOLYBDENUM										.027 MG/L		NV	.064 MG/L		NV
NICKEL										.005 MG/L		UNV	.011 MG/L		NV
POTASSIUM										2.99 MG/L		NV	2.35 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										9.2 MG/L		NV	14.6 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.048 MG/L		NV	.043 MG/L		NV
No sort code listed.															
3-METHYLPHENOL	4 UG/L		UNV	4 UG/L		UNV									
TRANS-1,2-DICHLOROETHENE	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									
RADIONUCLIDES															
URANIUM-238							.618 PCI/L		NV						
URANIUM, TOTAL							1.73 UG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_190			EMGW_SYSGEN_190D			EMGW_SYSGEN_191			EMGW_SYSGEN_191			EMGW_SYSGEN_191		
LAB:	NET			NET			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)
RADIONUCLIDES															
URANIUM-234							1.11 PCI/L		NV						
THORIUM-230							1.13 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.2 PCI/L		UNV						
THORIUM-232							.24 PCI/L		UNV						
THORIUM, TOTAL							2.1 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.55 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							6.3 PCI/L		UNV						
GROSS ALPHA							14 PCI/L		UNV						
GROSS BETA							6.7 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												
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									
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									

SAMPLE NUMBER:	EMGW_SYSGEN_190			EMGW_SYSGEN_190D			EMGW_SYSGEN_191			EMGW_SYSGEN_191			EMGW_SYSGEN_191		
LAB:	NET			NET			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															
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									
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							.005 MG/L		UNV
PYRENE	4 UG/L		UNV	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												

SAMPLE NUMBER:	EMGW_SYSGEN_190			EMGW_SYSGEN_190D			EMGW_SYSGEN_191			EMGW_SYSGEN_191			EMGW_SYSGEN_191		
LAB:	NET			NET			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															
1,2-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 1 WELLS

SAMPLE NUMBER:	GW930416-13	GW930416-13	GW930416-13	GW930416-13	GW930416-13
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:	1079	1079	1079	1079	1079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-APR-93	16-APR-93	16-APR-93	16-APR-93	16-APR-93
NORTH COORDINATE:	482273.7	482273.7	482273.7	482273.7	482273.7
EAST COORDINATE:	1378165.47	1378165.47	1378165.47	1378165.47	1378165.47
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										400 MG/L		-			
AMMONIA										.29 MG/L		-			
BICARBONATE ALKALINITY										510 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										1.4 MG/L		-			
FLUORIDE										1.2 MG/L		-			
NITRATE/NITRITE										10000 MG/L		-			
PH										7.4 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.12 MG/L		-			
SPECIFIC CONDUCTIVITY										1200 UMHOS/CM		-			
SULFATE										290 MG/L		-			
TOTAL DISSOLVED SOLIDS							810 MG/L		-						
TOTAL KJELDAHL NITROGEN										8.2 MG/L		-			
TOTAL ORGANIC CARBON										1 MG/L		UJ			
TOTAL ORGANIC HALIDES										.01 MG/L		UJ			
TOTAL SOLIDS										910 MG/L		-			
INORGANICS															
ALUMINUM							.109 MG/L		UJ	.247 MG/L		J			
ANTIMONY							.045 MG/L		UJ	.045 MG/L		UJ			
ARSENIC							.0018 MG/L		J	.0017 MG/L		J			
BARIUM							.042 MG/L		J	.0457 MG/L		J			
BERYLLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
CADMIUM							.003 MG/L		UJ	.003 MG/L		UJ			
CALCIUM							148 MG/L		J	157 MG/L		J			
CHROMIUM							.0076 MG/L		UJ	.0099 MG/L		UJ			
COBALT							.006 MG/L		UJ	.006 MG/L		UJ			
COPPER							.005 MG/L		J	.0081 MG/L		UJ			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							.233 MG/L		UJ	.477 MG/L		UJ			

SAMPLE NUMBER:	GW930416-13			GW930416-13			GW930416-13			GW930416-13			GW930416-13		
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															
LEAD							.001 MG/L		UJ	.001 MG/L		UJ			
MAGNESIUM							66.8 MG/L		J	71.1 MG/L		J			
MANGANESE							.0311 MG/L		J	.0446 MG/L		J			
MERCURY							.0002 MG/L		UJ	.0002 MG/L		UJ			
NICKEL							.019 MG/L		UJ	.019 MG/L		UJ			
POTASSIUM							1.27 MG/L		UJ	2.59 MG/L		J			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UR			
SILVER							.003 MG/L		UJ	.0087 MG/L		J			
SODIUM							18.7 MG/L		J	19.5 MG/L		J			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM							.004 MG/L		UJ	.0073 MG/L		UJ			
ZINC							.006 MG/L		UJ	.006 MG/L		UJ			
RADIONUCLIDES															
URANIUM-238	1.2 PCI/L	.4	R	1 PCI/L	.3	J									
URANIUM, TOTAL	1.7 UG/L	.1	-	1.8 UG/L	.1	J							1.5 UG/L		NV
URANIUM-234	1.1 PCI/L	.4	R	1.7 PCI/L	.3	J									
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.2	UJ	1.8 PCI/L	.5	-									
URANIUM-235/236	.1 PCI/L	.3	R	.2 PCI/L	.2	UJ									
THORIUM-232	.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ									
THORIUM, TOTAL	1.8240244 PCI/L		NV												
RADIUM-228	7.1 PCI/L	1.6	-	3 PCI/L	1.3	U									
THORIUM-228	.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ									
TECHNETIUM-99	15 PCI/L	8.3	U	15 PCI/L	6.6	UJ									
GROSS ALPHA	4.9 PCI/L	2.4	UNV	9.2 PCI/L	2.5	NV									
GROSS BETA	7.5 PCI/L	3.1	NV	5.4 PCI/L	3.3	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			
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			

SAMPLE NUMBER:	GW930416-13			GW930416-13			GW930416-13			GW930416-13			GW930416-13		
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															
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 1 WELLS

SAMPLE NUMBER:	GW930416-13	EMGW_SYSGEN_187	EMGW_SYSGEN_187	EMGW_SYSGEN_187	066424
TASK:	50.03.23	GWMON	GWMON	GWMON	9.25
LAB:	FERMCO	IT	NET	NET	IT
WELL OR BORING NUMBER:	1079	1079	1079	1079	1079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-APR-93	16-FEB-90	16-FEB-90	16-FEB-90	19-JUN-89
NORTH COORDINATE:	482273.7	482273.7	482273.7	482273.7	482273.7
EAST COORDINATE:	1378165.47	1378165.47	1378165.47	1378165.47	1378165.47
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															
CHLORIDE										2 MG/L		NV			
FLUORIDE										1.27 MG/L		NV			
NITRATE, AS NITROGEN										.17 MG/L		NV			
PHENOLS										.005 MG/L		UNV			
SULFATE										185 MG/L		NV			
TOTAL ORGANIC CARBON										1 MG/L		UNV			
TOTAL ORGANIC HALOGENS										.019 MG/L		NV			
INORGANICS															
ALUMINUM							.05 MG/L		UNV	1.63 MG/L		NV	.162 MG/L		-
ARSENIC							.0025 MG/L		UNV	.003 MG/L		NV			
BARIUM							.2 MG/L		UNV	.219 MG/L		NV	.473 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.001 MG/L		-
CALCIUM							140 MG/L		NV	151 MG/L		NV	132 MG/L		-
CHROMIUM										.005 MG/L		UNV	.0328 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							.05 MG/L		UNV	2.26 MG/L		NV	.685 MG/L		-
LEAD							.005 MG/L		UNV	.005 MG/L		UNV	.0058 MG/L		-
MAGNESIUM							66.6 MG/L		NV	61 MG/L		NV	62 MG/L		-
MANGANESE							.056 MG/L		NV	.128 MG/L		NV			
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV	.023 MG/L		-
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.169 MG/L		-
SODIUM							42 MG/L		NV	47.3 MG/L		NV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV	.0249 MG/L		-
ZINC							.02 MG/L		UNV	.02 MG/L		UNV	.0323 MG/L		-
RADIONUCLIDES															
URANIUM-238				1 PCI/L		NV									
URANIUM, TOTAL	1.9 UG/L		NV	3 UG/L		NV									

SAMPLE NUMBER:	GW930416-13			EMGW_SYSGEN_187			EMGW_SYSGEN_187			EMGW_SYSGEN_187			066424		
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-234				1.8 PCI/L		NV									
THORIUM-230				1 PCI/L		UNV									
THORIUM-228				1 PCI/L		UNV									
TECHNETIUM-99				17 PCI/L		UNV									
URANIUM-235				1 PCI/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 1 WELLS

SAMPLE NUMBER:	066424			EMGW_SYSGEN_192			EMGW_SYSGEN_192			EMGW_SYSGEN_192			003105		
TASK:	9.25			GWMON			GWMON			GWMON			3.2.4		
LAB:	IT			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1079			1079			1079			1079			1079		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JUN-89			20-FEB-91			20-FEB-91			20-FEB-91			21-APR-88		
NORTH COORDINATE:	482273.7			482273.7			482273.7			482273.7			482273.7		
EAST COORDINATE:	1378165.47			1378165.47			1378165.47			1378165.47			1378165.47		
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										430 MG/L		NV			
AMMONIA										.51 MG/L		NV			
CHLORIDE	.5 MG/L		-							3 MG/L		NV			
FLUORIDE	1.14 MG/L		-							1.22 MG/L		NV			
NITRATE	.23 MG/L		J							.14 MG/L		NV			
NITRATE, AS NITROGEN										.14 MG/L		NV			
PH										7.24 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										.77 MG/L		NV			
SPECIFIC CONDUCTIVITY										1130 UMHOS/CM		NV			
SULFATE	203 MG/L		-							375 MG/L		NV			
TOTAL DISSOLVED SOLIDS										784 MG/L		NV			
TOTAL ORGANIC CARBON	4.473 MG/L		U							7 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.052 MG/L		NV	11.6 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.018 MG/L		NV	.2 MG/L		UJ
BARIUM							.2 MG/L		UNV	.254 MG/L		NV	.041 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							110 MG/L		NV	206 MG/L		NV	220 MG/L		-
CHROMIUM										.044 MG/L		NV	.02 MG/L		UJ
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.044 MG/L		NV	.01 MG/L		UJ
CYANIDE										.01 MG/L		UNV			
IRON							.188 MG/L		NV	42.9 MG/L		NV	.034 MG/L		J
LEAD							.005 MG/L		UNV	.019 MG/L		NV	.05 MG/L		UJ
MAGNESIUM							69 MG/L		NV	134 MG/L		NV	54.6 MG/L		-

SAMPLE NUMBER:	066424			EMGW_SYSGEN_192			EMGW_SYSGEN_192			EMGW_SYSGEN_192			003105		
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															
MANGANESE							.066 MG/L		NV	.752 MG/L		NV	.126 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	.02 MG/L		UJ
NICKEL							.005 MG/L		UNV	.029 MG/L		NV	.021 MG/L		J
POTASSIUM							2.25 MG/L		NV	4.53 MG/L		NV	2.33 MG/L		J
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV	.2 MG/L		UJ
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		UJ
SODIUM							19.1 MG/L		NV	19.2 MG/L		NV	17.4 MG/L		J
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.106 MG/L		NV			
ZINC							.038 MG/L		NV	.106 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	1.1 PCI/L	.3	-	.371 PCI/L		NV									
URANIUM, TOTAL	3 UG/L	1	-	2.04 UG/L		NV									
URANIUM-234	2.2 PCI/L	.5	-	.911 PCI/L		NV									
THORIUM-230	1 PCI/L		UJ	.844 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236	1 PCI/L		U	.2 PCI/L		UNV									
THORIUM-232				.38 PCI/L		UNV									
THORIUM, TOTAL				3.4 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228	1 PCI/L		UJ	19 PCI/L		NV									
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	19 PCI/L		UNV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				68 PCI/L		UNV									
GROSS ALPHA				20 PCI/L		UNV									
GROSS BETA				13 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	5 UG/L		U							1 UG/L		UNV			

SAMPLE NUMBER:	066424			EMGW_SYSGEN_192			EMGW_SYSGEN_192			EMGW_SYSGEN_192			003105		
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															
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	10 UG/L		U							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	13 UG/L		U							1 UG/L		UNV			
STYRENE										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										1 UG/L		UNV			
TRICHLOROETHENE	5 UG/L		U							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:	003105	066672	066673	066673	003848
TASK:	3.2.4	9.27	9.27	9.27	3.2.4
LAB:	IT	IT	WMCO	WMCO	IT
WELL OR BORING NUMBER:	1079	1079	1079	1079	1079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-APR-88	21-NOV-89	21-NOV-89	21-NOV-89	22-JAN-89
NORTH COORDINATE:	482273.7	482273.7	482273.7	482273.7	482273.7
EAST COORDINATE:	1378165.47	1378165.47	1378165.47	1378165.47	1378165.47
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	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															
AMMONIA	.6 MG/L		-												
CHLORIDE	1.8 MG/L		J							3 MG/L		NV			
FLUORIDE	.99 MG/L		J							.9 MG/L		NV			
NITRATE	.22 MG/L		J							.44 MG/L		NV			
PHENOLS	.01 MG/L		U							.024 MG/L		NV			
PHOSPHORUS	.08 MG/L		J												
SULFATE	158 MG/L		-							200 MG/L		NV			
TOTAL ORGANIC CARBON										2 MG/L		NV			
TOTAL ORGANIC HALIDES										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM							.176 MG/L		NV	7.92 MG/L		NV			
ARSENIC							.0025 MG/L		UNV	.005 MG/L		NV	.002 MG/L		U
BARIUM							.2 MG/L		UNV	.216 MG/L		NV	.054 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM													.01 MG/L		-
CALCIUM							133 MG/L		NV	148 MG/L		NV	132 MG/L		-
CHROMIUM							.005 MG/L		UNV	.015 MG/L		NV	.029 MG/L		-
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.025 MG/L		UNV	.017 MG/L		-
IRON							.05 MG/L		UNV	8.31 MG/L		NV	.369 MG/L		-
LEAD							.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ
MAGNESIUM							59 MG/L		NV	64 MG/L		NV	59.6 MG/L		-
MANGANESE							.062 MG/L		NV	.235 MG/L		NV	.111 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL							.005 MG/L		UNV	.018 MG/L		NV	.031 MG/L		-
POTASSIUM													1.93 MG/L		-
SELENIUM													.002 MG/L		U
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.0005 MG/L		U

SAMPLE NUMBER:	003105			066672			066673			066673			003848		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			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															
SODIUM							19.3 MG/L		NV	21.7 MG/L		NV	20.2 MG/L		-
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.036 MG/L		NV			
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ	1.09 PCI/L	.27	R									
URANIUM, TOTAL	2 UG/L	1	J	3 UG/L	.3	R									
URANIUM-234	1 PCI/L		UJ	2.23 PCI/L	.42	R									
THORIUM-230	1 PCI/L		UJ	1 PCI/L		R									
RADIUM-226	1 PCI/L		R												
URANIUM-235/236	1 PCI/L		UJ	1 PCI/L		R									
THORIUM-232	1 PCI/L		UJ												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	1 PCI/L		UJ	1 PCI/L		R									
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	44.8 PCI/L	14	R									
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 1 WELLS

SAMPLE NUMBER:	003848			EMGW_SYSGEN_194			EMGW_SYSGEN_194			EMGW_SYSGEN_194			003631		
TASK:	3.2.4			GWMON			GWMON			GWMON			3.2.4		
LAB:	IT			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	1079			1079			1079			1079			1079		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JAN-89			22-JUL-91			22-JUL-91			22-JUL-91			23-OCT-88		
NORTH COORDINATE:	482273.7			482273.7			482273.7			482273.7			482273.7		
EAST COORDINATE:	1378165.47			1378165.47			1378165.47			1378165.47			1378165.47		
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							409 MG/L		NV						
AMMONIA	.3 MG/L		U				.3 MG/L		NV						
CHLORIDE	1 MG/L		U				1 MG/L		NV						
FLUORIDE	1.2 MG/L		-				1.1 MG/L		NV						
NITRATE	.14 MG/L		J				.2 MG/L		NV						
NITRATE, AS NITROGEN							.2 MG/L		NV						
PH	.02 MG/L		-				7.28 SU		NV						
PHENOLS	.02 MG/L		-				.005 MG/L		UNV						
PHOSPHORUS	7.7 MG/L		-				.36 MG/L		NV						
SPECIFIC CONDUCTIVITY							1120 UMHOS/CM		NV						
SULFATE	190 MG/L		-				333 MG/L		NV						
TOTAL DISSOLVED SOLIDS							854 MG/L		NV						
TOTAL KJELDAHL NITROGEN	.4 MG/L		-												
TOTAL ORGANIC CARBON							11 MG/L		NV						
TOTAL ORGANIC HALIDES	.013 MG/L		-												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL ORGANIC NITROGEN	.4 MG/L		-												
INORGANICS															
ALUMINUM				.2 MG/L		UNV	1.78 MG/L		NV						
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				.052 MG/L		-
BERYLLIUM				.05 MG/L		UNV	.05 MG/L		UNV						
CADMIUM				.001 MG/L		UNV	.001 MG/L		UNV				.002 MG/L		U
CALCIUM				131 MG/L		NV	138 MG/L		NV				130 MG/L		-
CHROMIUM							.0203 MG/L		NV				.02 MG/L		U
COBALT				.005 MG/L		UNV	.005 MG/L		UNV						
COPPER				.02 MG/L		UNV	.027 MG/L		NV				.01 MG/L		U
CYANIDE							.005 MG/L		UNV						
IRON				.1 MG/L		UNV	3.68 MG/L		NV				.005 MG/L		-

SAMPLE NUMBER:	003848			EMGW_SYSGEN_194			EMGW_SYSGEN_194			EMGW_SYSGEN_194			003631		
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															
LEAD				.005 MG/L		UNV	.005 MG/L		UNV				.016 MG/L		J
MAGNESIUM				42 MG/L		NV	69 MG/L		NV				57.5 MG/L		-
MANGANESE				.043 MG/L		NV	.158 MG/L		NV				.173 MG/L		-
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UJ
MOLYBDENUM				.01 MG/L		UNV	.014 MG/L		NV				.022 MG/L		-
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV				.02 MG/L		U
POTASSIUM				1.7 MG/L		NV	2.3 MG/L		NV				1.89 MG/L		-
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV				.012 MG/L		J
SILVER				.001 MG/L		UNV	.001 MG/L		UNV				.0005 MG/L		U
SODIUM				16.3 MG/L		NV	18.9 MG/L		NV				16.9 MG/L		-
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.027 MG/L		NV	.084 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	1 PCI/L		U												
URANIUM, TOTAL	3 UG/L	1	-							2.9 UG/L		NV			
URANIUM-234	1.2 PCI/L	.4	-												
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		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		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						

SAMPLE NUMBER:	003848			EMGW_SYSGEN_194			EMGW_SYSGEN_194			EMGW_SYSGEN_194			003631		
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															
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 1 WELLS

SAMPLE NUMBER:	003631			066534			066564			066564			066564		
TASK:	3.2.4			9.25			9.25			9.25			9.25		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1079			1079			1079			1079			1079		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-OCT-88			24-AUG-89			24-AUG-89			24-AUG-89			24-AUG-89		
NORTH COORDINATE:	482273.7			482273.7			482273.7			482273.7			482273.7		
EAST COORDINATE:	1378165.47			1378165.47			1378165.47			1378165.47			1378165.47		
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															
AMMONIA	.4 MG/L		-												
CHLORIDE	10 MG/L		-	3 MG/L		J									
FLUORIDE	1.1 MG/L		-	1.1 MG/L		-									
NITRATE	.1 MG/L		UJ	.142 MG/L		-									
PHENOLS	.03 MG/L		J												
PHOSPHORUS	.385 MG/L		-												
SULFATE	105 MG/L		J	228 MG/L		J									
SULFIDE													.5 MG/L		UJ
TOTAL KJELDAHL NITROGEN	.75 MG/L		-												
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES	.05 MG/L		U	.01 MG/L		U									
TOTAL ORGANIC NITROGEN	.35 MG/L		-												
HERBICIDES															
2,4,5-T													5 UG/L		UR
2,4,5-TP (SILVEX)													.025 UG/L		UR
2,4-D													.05 UG/L		UR
INORGANICS															
ALUMINUM							.181 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.0494 MG/L		-						
BERYLLIUM							.0015 MG/L		-						
CADMIUM							.0093 MG/L		-						
CALCIUM							143 MG/L		-						
CHROMIUM							.0385 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE													.005 MG/L		

001301

6416

001302

SAMPLE NUMBER:	003631			066534			066564			066564			066564		
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)
INORGANICS															
IRON							.0906 MG/L		-						
LEAD							.0084 MG/L		J						
MAGNESIUM							64.6 MG/L		-						
MANGANESE							.0833 MG/L		-						
MERCURY							.0002 MG/L		UR						
NICKEL							.053 MG/L		-						
OSMIUM							.05 MG/L		UR						
POTASSIUM							1.8 MG/L		-						
SELENIUM							.002 MG/L		UR						
SILVER							.0147 MG/L		-						
SODIUM							18.1 MG/L		-						
THALLIUM							.001 MG/L		U						
TIN							.03 MG/L		UR						
VANADIUM							.0266 MG/L		-						
ZINC							.0243 MG/L		-						
No sort code listed.															
1,2,4,5-TETRACHLOROBENZENE													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		UJ
2,3,4,6-TETRACHLOROPHENOL													10 UG/L		U
2,6-DICHLOROPHENOL													10 UG/L		U
2-ACETYLAMINOFLUORENE													10 UG/L		U
2-NAPHTHYLAMINE													170 UG/L		UJ
2-PICOLINE													70 UG/L		U
3,3'-DIMETHYLBENZIDINE													80 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)ANTHRACENE													20 UG/L		U
A,A-DIMETHYLPHENETHYLAMINE													10 UG/L		U
ACETOPHENONE													10 UG/L		U
ANILINE													10 UG/L		U
ARAMITE													10 UG/L		U
DIALLATE													10 UG/L		UJ
DINOSEB													20 UG/L		U
DIPHENYLAMINE													10 UG/L		U
ETHYL METHANESULFONATE													10 UG/L		U
HEXACHLOROPHENE													500 UG/L		UJ
HEXACHLOROPROPENE													20 UG/L		U
ISODRIN										.25 UG/L		U	.05 UG/L		UR

SAMPLE NUMBER:	003631			066534			066564			066564			066564		
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)
No sort code listed.															
ISOSAFROLE													10 UG/L		U
KEPONE										.5 UG/L		U	.1 UG/L		UR
METHAPYRILENE													40 UG/L		U
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		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
PESTICIDES															
4,4'-DDD										.5 UG/L		U	.1 UG/L		UR
4,4'-DDE										.5 UG/L		U	.1 UG/L		UR
4,4'-DDT										.5 UG/L		U	.1 UG/L		UR
ALDRIN										.25 UG/L		U	.05 UG/L		UR
ALPHA-BHC										.25 UG/L		U	.05 UG/L		UR
ALPHA-CHLORDANE										2.5 UG/L		U	.5 UG/L		UR
AROCLOR-1016										2.5 UG/L		U	.5 UG/L		UR
AROCLOR-1221										2.5 UG/L		U	.5 UG/L		UR
AROCLOR-1232										2.5 UG/L		U	.5 UG/L		UR
AROCLOR-1242										2.5 UG/L		U	.5 UG/L		UR
AROCLOR-1248										2.5 UG/L		U	.5 UG/L		UR
AROCLOR-1254										5 UG/L		U	1 UG/L		UR
AROCLOR-1260										5 UG/L		U	1 UG/L		UR
BETA-BHC										.25 UG/L		U	.05 UG/L		UR
DELTA-BHC										.25 UG/L		U	.05 UG/L		UR
DIELDRIN										.5 UG/L		U	.1 UG/L		UR
ENDOSULFAN II										.5 UG/L		U	.1 UG/L		UR
ENDOSULFAN SULFATE										.5 UG/L		U	.1 UG/L		UR
ENDOSULFAN-I										.25 UG/L		U	.05 UG/L		UR
ENDRIN										.5 UG/L		U	.1 UG/L		UR
ENDRIN KETONE										.5 UG/L		U	.1 UG/L		UR
GAMMA-BHC (LINDANE)										.25 UG/L		U	.05 UG/L		UR
GAMMA-CHLORDANE										2.5 UG/L		U	.5 UG/L		UR
HEPTACHLOR										.25 UG/L		U	.05 UG/L		UR
HEPTACHLOR EPOXIDE										.25 UG/L		U	.05 UG/L		UR

SAMPLE NUMBER:	003631			066534			066564			066564			066564		
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															
METHOXYCHLOR										2.5 UG/L		U	.5 UG/L		UR
TOXAPHENE										5 UG/L		U	1 UG/L		UR
RADIONUCLIDES															
URANIUM-238	1 PCI/L		UJ	1 PCI/L		U									
URANIUM, TOTAL	2 UG/L	1	-	2 UG/L	1	-									
URANIUM-234	1.2 PCI/L	.3	J	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	5 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	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		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													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		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:	003631			066534			066564			066564			066564		
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															
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		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
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													4 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		U
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		U
N-NITROSODIMETHYLAMINE													10 UG/L		U
N-NITROSODIPHENYLAMINE													3 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	.03 MG/L		J										10 UG/L		U
PYRENE													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066564	066926	003437	003437	003161
TASK:	9.25	3.7	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1079	1079	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-AUG-89	27-AUG-90	04-AUG-88	04-AUG-88	06-MAY-88
NORTH COORDINATE:	482273.7	482273.7	482229.86	482229.86	482229.86
EAST COORDINATE:	1378165.47	1378165.47	1378630.51	1378630.51	1378630.51
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)
DIOXINS/FURANS															
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	3.1 NG/L		U												
HEXACHLORODIBENZO-P-DIOXINS	2.8 NG/L		U												
HEXACHLORODIBENZOFURANS	.45 NG/L		U												
PENTACHLORODIBENZO-P-DIOXINS	.29 NG/L		U												
PENTACHLORODIBENZOFURANS	.32 NG/L		U												
TETRACHLORODIBENZOFURANS	.71 NG/L		UJ												
GENERAL CHEMISTRY															
AMMONIA										.2 MG/L		J			
CHLORIDE										2.5 MG/L		-			
FLUORIDE										1.3 MG/L		-			
NITRATE										.1 MG/L		-			
PHENOLS										.01 MG/L		J			
PHOSPHORUS										.1 MG/L		-			
SULFATE										190 MG/L		-			
TOTAL ORGANIC NITROGEN										.1 MG/L		-			
INORGANICS															
ARSENIC							.01 MG/L		U				.2 MG/L		U
BARIUM							.2 MG/L		U				.048 MG/L		-
CADMIUM							.005 MG/L		U				.005 MG/L		U
CALCIUM							120 MG/L		-				94.3 MG/L		-
CHROMIUM							.01 MG/L		U				.02 MG/L		U
COPPER							.03 MG/L		U				.02 MG/L		U
IRON							.1 MG/L		U				.005 MG/L		U
LEAD							.005 MG/L		U				.06 MG/L		-
MAGNESIUM							66 MG/L		-				65.9 MG/L		-
MANGANESE							.07 MG/L		-				.038 MG/L		-

SAMPLE NUMBER:	066564			066926			003437			003437			003161		
LAB:	IT			IT			IT			IT			IT		
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															
MERCURY							.0003 MG/L		U				.0002 MG/L		U
MOLYBDENUM							.05 MG/L		U				.02 MG/L		U
NICKEL							.04 MG/L		U				.02 MG/L		U
POTASSIUM							5 MG/L		U				2.4 MG/L		-
SELENIUM							.005 MG/L		U				.2 MG/L		U
SILVER							.01 MG/L		U				.01 MG/L		U
SODIUM							36 MG/L		-				51.3 MG/L		-
No sort code listed.															
1,2,4,5-TETRACHLOROBENZENE	20 UG/L		UR												
1,3,5-TRINITROBENZENE	20 UG/L		UR												
1,3-DINITROBENZENE	20 UG/L		UR												
1,4-NAPHTHOQUINONE	20 UG/L		UR												
1-NAPHTHYLAMINE	240 UG/L		UR												
2,3,4,6-TETRACHLOROPHENOL	20 UG/L		UR												
2,6-DICHLOROPHENOL	20 UG/L		UR												
2-ACETYLAMINOFLUORENE	20 UG/L		UR												
2-NAPHTHYLAMINE	340 UG/L		UR												
2-PICOLINE	140 UG/L		UR												
3,3'-DIMETHYLBENZIDINE	160 UG/L		UR												
3-METHYLCHOLANTHRENE	60 UG/L		UR												
3-METHYLPHENOL	20 UG/L		UR												
4-AMINOBIPHENYL	100 UG/L		UR												
4-NITROQUINOLINE-1-OXIDE	20 UG/L		UR												
5-NITRO-O-TOLUIDINE	40 UG/L		UR												
7,12-DIMETHYLBENZ(A)ANTHRAC ENE	40 UG/L		UR												
A,A-DIMETHYLPHENETHYLAMINE	20 UG/L		UR												
ACETOPHENONE	20 UG/L		UR												
ANILINE	20 UG/L		UR												
ARAMITE	20 UG/L		UR												
DIALLATE	20 UG/L		UR												
DINOSEB	20 UG/L		UR												
DIPHENYLAMINE	20 UG/L		UR												
ETHYL METHANESULFONATE	20 UG/L		UR												
HEXACHLOROPHENE	1000 UG/L		UR												
HEXACHLOROPROPENE	40 UG/L		UR												
ISOSAFROLE	20 UG/L		UR												
METHAPYRILENE	80 UG/L		UR												
METHYL METHANESULFONATE	20 UG/L		UR												
N-NITROSODI-N-BUTYLAMINE	40 UG/L		UR												
N-NITROSODIETHYLAMINE	20 UG/L		UR												
N-NITROSOMETHYLETHYLAMINE	20 UG/L		UR												
N-NITROSOMORPHOLINE	20 UG/L		UR												
N-NITROSOPIPERIDINE	20 UG/L		UR												
N-NITROSOPYRROLIDINE	20 UG/L		UR												

SAMPLE NUMBER:	066564			066926			003437			003437			003161		
LAB:	IT			IT			IT			IT			IT		
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)
No sort code listed.															
O-TOLUIDINE	20 UG/L		UR												
P-DIMETHYLAMINOAZOBENZENE	60 UG/L		UR												
P-PHENYLENEDIAMINE	100 UG/L		UR												
PENTACHLOROBENZENE	40 UG/L		UR												
PENTACHLOROETHANE	40 UG/L		UR												
PENTACHLORONITROBENZENE	40 UG/L		UR												
PHENACETIN	20 UG/L		UR												
PRONAMIDE	60 UG/L		UR												
SAFROLE	20 UG/L		UR												
RADIONUCLIDES															
URANIUM-238										1.8 PCI/L	.4	J			
URANIUM, TOTAL										6 UG/L	1	-			
URANIUM-234										2.5 PCI/L	.5	J			
THORIUM-230										1 PCI/L		UJ			
RADIUM-226										1.6 PCI/L	.5	-			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-232										1 PCI/L		UJ			
THORIUM, TOTAL										2 UG/L		J			
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			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	20 UG/L		UR	10 UG/L		U									
1,2-DICHLOROBENZENE	20 UG/L		UR	10 UG/L		U									
1,3-DICHLOROBENZENE	20 UG/L		UR	10 UG/L		U									
1,4-DICHLOROBENZENE	20 UG/L		UR	10 UG/L		U									
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		UJ									
2,4-DINITROTOLUENE	20 UG/L		UR	10 UG/L		UJ									
2,6-DINITROTOLUENE	40 UG/L		UR	10 UG/L		U									
2-CHLORONAPHTHALENE	20 UG/L		UR	10 UG/L		U									
2-CHLOROPHENOL	20 UG/L		UR	10 UG/L		U									
2-METHYLNAPHTHALENE	20 UG/L		UR	10 UG/L		U									
2-METHYLPHENOL	20 UG/L		UR	10 UG/L		U									

SAMPLE NUMBER:	066564			066926			003437			003437			003161		
LAB:	IT			IT			IT			IT			IT		
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)
SEMIVOLATILES															
2-NITROANILINE	100 UG/L		UR	50 UG/L		U									
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		U									
4-CHLORO-3-METHYLPHENOL	20 UG/L		UR	10 UG/L		U									
4-CHLOROPHENYLPHENYL ETHER	20 UG/L		UR	10 UG/L		U									
4-METHYLPHENOL	20 UG/L		UR	10 UG/L		U									
4-NITROANILINE	100 UG/L		UR	50 UG/L		U									
4-NITROPHENOL	100 UG/L		UR	50 UG/L		UJ									
ACENAPHTHENE	20 UG/L		UR	10 UG/L		U									
ACENAPHTHYLENE	20 UG/L		UR	10 UG/L		U									
ANTHRACENE	20 UG/L		UR	10 UG/L		U									
BENZO(A)ANTHRACENE	20 UG/L		UR	10 UG/L		U									
BENZO(A)PYRENE	20 UG/L		UR	10 UG/L		U									
BENZO(B)FLUORANTHENE	20 UG/L		UR	10 UG/L		UJ									
BENZO(G,H,I)PERYLENE	20 UG/L		UR	10 UG/L		U									
BENZO(K)FLUORANTHENE	20 UG/L		UR	10 UG/L		U									
BENZOIC ACID				50 UG/L		UJ									
BENZYL ALCOHOL	20 UG/L		UR	10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE	20 UG/L		UR	10 UG/L		U									
BIS(2-CHLOROETHYL)ETHER	20 UG/L		UR	10 UG/L		U									
BIS(2-CHLOROISOPROPYL) ETHER	20 UG/L		UR	10 UG/L		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE	20 UG/L		UR	10 UG/L		U									
BUTYL BENZYL PHTHALATE	20 UG/L		UR	10 UG/L		UJ									
CHRYSENE	20 UG/L		UR	10 UG/L		U									
DI-N-BUTYL PHTHALATE	20 UG/L		UR	10 UG/L		U									
DI-N-OCTYL PHTHALATE	20 UG/L		UR	10 UG/L		U									
DIBENZO(A,H)ANTHRACENE	20 UG/L		UR	10 UG/L		UJ									
DIBENZOFURAN	20 UG/L		UR	10 UG/L		U									
DIETHYL PHTHALATE	20 UG/L		UR	10 UG/L		U									
DIMETHYL PHTHALATE	20 UG/L		UR	10 UG/L		U									
FLUORANTHENE	20 UG/L		UR	10 UG/L		U									
FLUORENE	20 UG/L		UR	10 UG/L		U									
HEXACHLOROBENZENE	20 UG/L		UR	10 UG/L		U									
HEXACHLOROBUTADIENE	20 UG/L		UR	10 UG/L		U									
HEXACHLOROCYCLOPENTADIENE	20 UG/L		UR	10 UG/L		UJ									
HEXACHLOROETHANE	20 UG/L		UR	10 UG/L		U									
INDENO(1,2,3-CD)PYRENE	20 UG/L		UR	10 UG/L		U									
ISOPHORONE	20 UG/L		UR	10 UG/L		U									
N-NITROSO-DI-N-PROPYLAMINE	20 UG/L		UR	10 UG/L		UJ									
N-NITROSODIMETHYLAMINE	20 UG/L		UR												
N-NITROSODIPHENYLAMINE	6 UG/L		R	10 UG/L		U									
NAPHTHALENE	20 UG/L		UR	10 UG/L		U									
NITROBENZENE	20 UG/L		UR	10 UG/L		U									

SAMPLE NUMBER:	066564			066926			003437			003437			003161		
LAB:	IT			IT			IT			IT			IT		
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)
SEMIVOLATILES															
O,O,O-TRIETHYLPHOSPHOROTHIOATE	20 UG/L		UR												
P-CHLOROANILINE	20 UG/L		UR	10 UG/L		U									
PENTACHLOROPHENOL	100 UG/L		UR	50 UG/L		U									
PHENANTHRENE	20 UG/L		UR	10 UG/L		U									
PHENOL	20 UG/L		UR	10 UG/L		U				.01 MG/L		J			
PYRENE	20 UG/L		UR	10 UG/L		UJ									
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		UJ									
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		U									
DIBROMOCHLOROMETHANE				5 UG/L		U									
ETHYLBENZENE				5 UG/L		UJ									
METHYLENE CHLORIDE				11 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 1 WELLS

SAMPLE NUMBER:	003161			003692			003692			EMGW_SYSGEN_202			EMGW_SYSGEN_202		
TASK:	3.2.4			3.2.4			3.2.4			GWMON			GWMON		
LAB:	IT			IT			IT			NET			NET		
WELL OR BORING NUMBER:	1080			1080			1080			1080			1080		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-MAY-88			10-NOV-88			10-NOV-88			12-NOV-90			12-NOV-90		
NORTH COORDINATE:	482229.86			482229.86			482229.86			482229.86			482229.86		
EAST COORDINATE:	1378630.51			1378630.51			1378630.51			1378630.51			1378630.51		
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													364 MG/L		NV
AMMONIA	.3 MG/L		-				.15 MG/L		J				.07 MG/L		NV
CHLORIDE	5.1 MG/L		-				8.3 MG/L		-				4 MG/L		NV
FLUORIDE	1.3 MG/L		-				1 MG/L		-				.66 MG/L		NV
NITRATE	.1 MG/L		R				.06 MG/L		U				.06 MG/L		NV
NITRATE/NITRITE													.06 MG/L		NV
PH	.01 MG/L		UJ				.012 MG/L		J				6.5 SU		NV
PHENOLS	.01 MG/L		UJ				.012 MG/L		J				.005 MG/L		UNV
PHOSPHORUS	.948 MG/L		J				.758 MG/L		-				.43 MG/L		NV
SPECIFIC CONDUCTIVITY													1120 UMHOS/CM		NV
SULFATE	200 MG/L		-				98.7 MG/L		-				216 MG/L		NV
TOTAL DISSOLVED SOLIDS													898 MG/L		NV
TOTAL KJELDAHL NITROGEN							.43 MG/L		UJ						
TOTAL ORGANIC CARBON													6 MG/L		NV
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS													.023 MG/L		NV
TOTAL ORGANIC NITROGEN	.2 MG/L		-				.28 MG/L		J						
INORGANICS															
ALUMINUM										.5 MG/L		UNV	13.8 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC				.005 MG/L		J				.0025 MG/L		UNV	.026 MG/L		NV
BARIUM				.038 MG/L		-				.2 MG/L		UNV	.202 MG/L		NV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM				.0029 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM				114 MG/L		-				8.2 MG/L		NV	114 MG/L		NV
CHROMIUM				.02 MG/L		U							.005 MG/L		UNV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER				.01 MG/L		U				.025 MG/L		UNV	.044 MG/L		NV
CYANIDE													.005 MG/L		UNV
IRON				.162 MG/L		-				.05 MG/L		UNV	3.298 MG/L		NV

001311

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SAMPLE NUMBER:	003161			003692			003692			EMGW_SYSGEN_202			EMGW_SYSGEN_202		
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															
LEAD				.002 MG/L		UJ				.005 MG/L		UNV	.035 MG/L		NV
MAGNESIUM				68.5 MG/L		-				25 MG/L		NV	89 MG/L		NV
MANGANESE				.047 MG/L		-				.02 MG/L		UNV	.839 MG/L		NV
MERCURY				.0002 MG/L		UJ				.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	.05 MG/L		NV
POTASSIUM				1.82 MG/L		J				2.39 MG/L		NV	4.66 MG/L		NV
SELENIUM				.002 MG/L		U				.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER				.01 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM				23.9 MG/L		-				5.6 MG/L		NV	13.1 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.261 MG/L		NV
ZINC										.02 MG/L		UNV	.139 MG/L		NV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	2.8 PCI/L	.7	-				4.4 PCI/L	.7	J						
URANIUM, TOTAL	7 UG/L	1	-				6 UG/L	1	J						
URANIUM-234	3.9 PCI/L	.8	-				4.5 PCI/L	.7	J						
THORIUM-230	1 PCI/L		U				1 PCI/L		UJ						
RADIUM-226	1 PCI/L		R				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							5 UG/L		U						
RADIUM-228	3 PCI/L		R				3 PCI/L		UJ						
THORIUM-228	1 PCI/L		U				1 PCI/L		UJ						
NEPTUNIUM-237	1 PCI/L		R				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		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
1,1,2,2-TETRACHLOROETHANE													1 UG/L		UNV
1,1,2-TRICHLOROETHANE													1 UG/L		UNV

SAMPLE NUMBER:	003161			003692			003692			EMGW_SYSGEN_202			EMGW_SYSGEN_202		
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															
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 1 WELLS

SAMPLE NUMBER:	066584	066584	EMGW_SYSGEN_200	EMGW_SYSGEN_200	EMGW_SYSGEN_200
TASK:	9.25	9.25	GWMON	GWMON	GWMON
LAB:	IT	UNKNOWN	IT	NET	NET
WELL OR BORING NUMBER:	1080	1080	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-SEP-89	12-SEP-89	14-MAY-90	14-MAY-90	14-MAY-90
NORTH COORDINATE:	482229.86	482229.86	482229.86	482229.86	482229.86
EAST COORDINATE:	1378630.51	1378630.51	1378630.51	1378630.51	1378630.51
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													6 MG/L		NV
FLUORIDE													.57 MG/L		NV
NITRATE, AS NITROGEN													.03 MG/L		NV
PHENOLS													.005 MG/L		UNV
SULFATE													164 MG/L		NV
TOTAL ORGANIC CARBON													3 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
HERBICIDES															
2,4,5-T	.1 UG/L		U										4 UG/L		UNV
2,4,5-TP (SILVEX)	.1 UG/L		U												
2,4-D	.2 UG/L		U										4 UG/L		UNV
INORGANICS															
ALUMINUM										.05 MG/L		UNV	28.5 MG/L		NV
ANTIMONY										.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC										.003 MG/L		NV	.027 MG/L		NV
BARIUM										.2 MG/L		UNV	.21 MG/L		NV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										155 MG/L		NV	401 MG/L		NV
CHROMIUM													.005 MG/L		UNV
COBALT										.025 MG/L		UNV	.027 MG/L		NV
COPPER										.025 MG/L		UNV	.034 MG/L		NV
CYANIDE													.005 MG/L		UNV
IRON										.055 MG/L		NV	30.6 MG/L		NV
LEAD										.005 MG/L		UNV	.026 MG/L		NV
MAGNESIUM										31.1 MG/L		NV	237 MG/L		NV
MANGANESE										.02 MG/L		UNV	.704 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV

SAMPLE NUMBER:	066584			066584			EMGW_SYSGEN_200			EMGW_SYSGEN_200			EMGW_SYSGEN_200		
LAB:	IT			UNKNOWN			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															
MOLYBDENUM										.025 MG/L		UNV	.025 MG/L		UNV
NICKEL										.005 MG/L		UNV	.006 MG/L		NV
POTASSIUM										2.14 MG/L		NV	18 MG/L		NV
SELENIUM										.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										17.7 MG/L		NV	35.6 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.056 MG/L		NV
ZINC										.02 MG/L		UNV	.077 MG/L		NV
No sort code listed.															
1,2,4,5-TETRACHLOROBENZENE	10 UG/L		UR												
1,3,5-TRINITROBENZENE	10 UG/L		UR												
1,3-DINITROBENZENE	10 UG/L		UR												
1,4-NAPHTHOQUINONE	10 UG/L		UR												
1-NAPHTHYLAMINE	120 UG/L		UR												
2,3,4,6-TETRACHLOROPHENOL	10 UG/L		UR												
2,6-DICHLOROPHENOL	10 UG/L		UR												
2-ACETYLAMINOFLUORENE	10 UG/L		UR												
2-NAPHTHYLAMINE	170 UG/L		UR												
2-PICOLINE	70 UG/L		UR												
3,3'-DIMETHYLBENZIDINE	80 UG/L		UR												
3-METHYLCHOLANTHRENE	30 UG/L		UR												
3-METHYLPHENOL	10 UG/L		UR										4 UG/L		UNV
4-AMINOBIPHENYL	50 UG/L		UR												
4-NITROQUINOLINE-1-OXIDE	10 UG/L		UR												
5-NITRO-O-TOLUIDINE	20 UG/L		UR												
7,12-DIMETHYLBENZ(A)ANTHRACENE	20 UG/L		UR												
A,A-DIMETHYLPHENETHYLAMINE	10 UG/L		UR												
ACETOPHENONE	10 UG/L		UR												
ANILINE	10 UG/L		UR												
ARAMITE	10 UG/L		UR												
DIALLATE	10 UG/L		UR												
DINOSEB	20 UG/L		UR												
DIPHENYLAMINE	10 UG/L		UR										15 UG/L		UNV
ETHYL METHANESULFONATE	10 UG/L		UR												
HEXACHLOROPHENE	500 UG/L		UR												
HEXACHLOROPROPENE	20 UG/L		UR												
ISODRIN	.05 UG/L		U												
ISOSAFROLE	10 UG/L		UR												
KEPONE	.1 UG/L		U												
METHAPYRILENE	40 UG/L		UR												
METHYL METHANESULFONATE	10 UG/L		UR												
N-NITROSODI-N-BUTYLAMINE	20 UG/L		UR												
N-NITROSODIETHYLAMINE	10 UG/L		UR												

SAMPLE NUMBER:	066584			066584			EMGW_SYSGEN_200			EMGW_SYSGEN_200			EMGW_SYSGEN_200		
LAB:	IT			UNKNOWN			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)
No sort code listed.															
N-NITROSOMETHYLETHYLAMINE	10 UG/L		UR												
N-NITROSOMORPHOLINE	10 UG/L		UR												
N-NITROSOPIPERIDINE	10 UG/L		UR												
N-NITROSOPYRROLIDINE	10 UG/L		UR												
O-TOLUIDINE	10 UG/L		UR												
P-DIMETHYLAMINOAZOBENZENE	30 UG/L		UR												
P-PHENYLENEDIAMINE	50 UG/L		UR												
PENTACHLOROBENZENE	20 UG/L		UR												
PENTACHLOROETHANE	20 UG/L		UR												
PENTACHLORONITROBENZENE	20 UG/L		UR												
PHENACETIN	10 UG/L		UR												
PRONAMIDE	30 UG/L		UR												
SAFROLE	10 UG/L		UR												
ORGANOPHOSPHORUS PESTICIDES															
DIMETHOATE				1 UG/L		U									
DISULFOTON				1 UG/L		U									
FAMPHUR				1 UG/L		U									
METHYL PARATHION				.05 UG/L		U									
PARATHION				.05 UG/L		U									
PHORATE				1 UG/L		U									
THIONAZIN				1 UG/L		U									
PESTICIDES															
4,4'-DDD	.1 UG/L		U										.2 UG/L		UNV
4,4'-DDE	.1 UG/L		U										.2 UG/L		UNV
4,4'-DDT	.1 UG/L		U										.2 UG/L		UNV
ALDRIN	.05 UG/L		U										.2 UG/L		UNV
ALPHA-BHC	.05 UG/L		U										.2 UG/L		UNV
ALPHA-CHLORDANE	.5 UG/L		U												
AROCLOR-1016	.5 UG/L		U										.2 UG/L		UNV
AROCLOR-1221	.5 UG/L		U										.2 UG/L		UNV
AROCLOR-1232	.5 UG/L		U										.2 UG/L		UNV
AROCLOR-1242	.5 UG/L		U										.2 UG/L		UNV
AROCLOR-1248	.5 UG/L		U										.2 UG/L		UNV
AROCLOR-1254	1 UG/L		U										.2 UG/L		UNV
AROCLOR-1260	1 UG/L		U										.2 UG/L		UNV
BETA-BHC	.05 UG/L		U										.2 UG/L		UNV
CHLORDANE													.2 UG/L		UNV
DELTA-BHC	.05 UG/L		U										.2 UG/L		UNV
DIELDRIN	.1 UG/L		U										.2 UG/L		UNV
ENDOSULFAN II	.1 UG/L		U										.2 UG/L		UNV
ENDOSULFAN SULFATE	.1 UG/L		U										.2 UG/L		UNV
ENDOSULFAN-I	.05 UG/L		U										.2 UG/L		UNV
ENDRIN	.1 UG/L		U										.08 UG/L		UNV

SAMPLE NUMBER:	066584			066584			EMGW_SYSGEN_200			EMGW_SYSGEN_200			EMGW_SYSGEN_200		
LAB:	IT			UNKNOWN			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															
ENDRIN ALDEHYDE													.2 UG/L		UNV
ENDRIN KETONE	.1 UG/L		U										.2 UG/L		UNV
GAMMA-BHC (LINDANE)	.05 UG/L		U												
GAMMA-CHLORDANE	.5 UG/L		U										.2 UG/L		UNV
HEPTACHLOR	.05 UG/L		U										.2 UG/L		UNV
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
SULFOTEP				1 UG/L		U									
TOXAPHENE	1 UG/L		U										.5 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							1.11 PCI/L		NV						
URANIUM, TOTAL							3.52 UG/L		NV						
URANIUM-234							2.85 PCI/L		NV						
THORIUM-230							.88 PCI/L		UNV						
RADIUM-226							2.21 PCI/L		NV						
URANIUM-235/236							.514 PCI/L		NV						
THORIUM-232							.88 PCI/L		UNV						
THORIUM, TOTAL							8 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.88 PCI/L		UNV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
STRONTIUM-90							2.35 PCI/L		NV						
TECHNETIUM-99							30 PCI/L		UNV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							8.2 PCI/L		UNV						
GROSS ALPHA							26.4 PCI/L		NV						
GROSS BETA							27.4 PCI/L		NV						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U										4 UG/L		UNV
1,2-DICHLOROBENZENE	10 UG/L		U												
1,3-DICHLOROBENZENE	10 UG/L		U										4 UG/L		UNV
1,4-DICHLOROBENZENE	10 UG/L		U										4 UG/L		UNV
2,4,5-TRICHLOROPHENOL	50 UG/L		U										4 UG/L		UNV
2,4,6-TRICHLOROPHENOL	10 UG/L		U										4 UG/L		UNV
2,4-DICHLOROPHENOL	10 UG/L		U										4 UG/L		UNV
2,4-DIMETHYLPHENOL	10 UG/L		U										4 UG/L		UNV
2,4-DINITROPHENOL	50 UG/L		UR										4 UG/L		UNV
2,4-DINITROTOLUENE	10 UG/L		UR										15 UG/L		UNV
2,6-DINITROTOLUENE	10 UG/L		U										15 UG/L		UNV
2-CHLORONAPHTHALENE	10 UG/L		U										4 UG/L		UNV
2-CHLOROPHENOL	10 UG/L		U										4 UG/L		UNV

SAMPLE NUMBER:	066584			066584			EMGW_SYSGEN_200			EMGW_SYSGEN_200			EMGW_SYSGEN_200		
LAB:	IT			UNKNOWN			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-METHYLNAPHTHALENE	10 UG/L		U												
2-METHYLPHENOL	10 UG/L		U										4 UG/L		UNV
2-NITROANILINE	50 UG/L		U										15 UG/L		UNV
2-NITROPHENOL	10 UG/L		U										4 UG/L		UNV
3,3'-DICHLOROBENZIDINE	20 UG/L		UR										15 UG/L		UNV
3-NITROANILINE	50 UG/L		UJ										15 UG/L		UNV
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UR										4 UG/L		UNV
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UR										15 UG/L		UNV
4-CHLORO-3-METHYLPHENOL	10 UG/L		U										4 UG/L		UNV
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UR										15 UG/L		UNV
4-METHYLPHENOL	10 UG/L		U												
4-NITROANILINE	50 UG/L		UJ										15 UG/L		UNV
4-NITROPHENOL	50 UG/L		UR										4 UG/L		UNV
ACENAPHTHENE	10 UG/L		UR												
ACENAPHTHYLENE	10 UG/L		U										4 UG/L		UNV
ANTHRACENE	10 UG/L		UR										4 UG/L		UNV
BENZO(A)ANTHRACENE	10 UG/L		UR										4 UG/L		UNV
BENZO(A)PYRENE	10 UG/L		UR										4 UG/L		UNV
BENZO(B)FLUORANTHENE	10 UG/L		UR										4 UG/L		UNV
BENZO(G,H,I)PERYLENE	10 UG/L		UR										4 UG/L		UNV
BENZO(K)FLUORANTHENE	10 UG/L		UR										4 UG/L		UNV
BENZOIC ACID	50 UG/L		U										4 UG/L		UNV
BENZYL ALCOHOL	10 UG/L		U										40 UG/L		UNV
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U										15 UG/L		UNV
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U										15 UG/L		UNV
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		U										15 UG/L		UNV
BIS(2-ETHYLHEXYL)PHTHALATE	3 UG/L		R										4 UG/L		UNV
BUTYL BENZYL PHTHALATE	10 UG/L		UR										4 UG/L		UNV
CHRYSENE	10 UG/L		UR										4 UG/L		UNV
DI-N-BUTYL PHTHALATE	10 UG/L		UR										4 UG/L		UNV
DI-N-OCTYL PHTHALATE	10 UG/L		UR												
DIBENZO(A,H)ANTHRACENE	10 UG/L		UR										4 UG/L		UNV
DIBENZOFURAN	10 UG/L		UR										4 UG/L		UNV
DIETHYL PHTHALATE	10 UG/L		UR										4 UG/L		UNV
DIMETHYL PHTHALATE	10 UG/L		U										4 UG/L		UNV
FLUORANTHENE	10 UG/L		UR										4 UG/L		UNV
FLUORENE	10 UG/L		UR										4 UG/L		UNV
HEXACHLOROBENZENE	10 UG/L		UR										4 UG/L		UNV
HEXACHLOROBUTADIENE	10 UG/L		U										4 UG/L		UNV
HEXACHLOROCYCLOPENTADIENE	10 UG/L		U										4 UG/L		UNV
HEXACHLOROETHANE	10 UG/L		U										4 UG/L		UNV
INDENO(1,2,3-CD)PYRENE	10 UG/L		UR										4 UG/L		UNV
ISOPHORONE	10 UG/L		U										4 UG/L		UNV
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		U										4 UG/L		UNV
N-NITROSODIMETHYLAMINE	10 UG/L		UR												
N-NITROSODIPHENYLAMINE	10 UG/L		U										4 UG/L		UNV

SAMPLE NUMBER:	066584			066584			EMGW_SYSGEN_200			EMGW_SYSGEN_200			EMGW_SYSGEN_200		
LAB:	IT			UNKNOWN			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															
NAPHTHALENE	10 UG/L		U										4 UG/L		UNV
NITROBENZENE	10 UG/L		U										4 UG/L		UNV
O,O,O-TRIETHYLPHOSPHOROTHIOATE	10 UG/L		UR												
P-CHLOROANILINE	10 UG/L		UJ										4 UG/L		UNV
PENTACHLOROPHENOL	50 UG/L		UR										4 UG/L		UNV
PHENANTHRENE	10 UG/L		UR										4 UG/L		UNV
PHENOL	10 UG/L		U										4 UG/L		UNV
PYRENE	10 UG/L		UR										4 UG/L		UNV
PYRIDINE													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
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:	EMGW_SYSGEN_201			EMGW_SYSGEN_201			EMGW_SYSGEN_201			GW930417-1			GW930417-1		
TASK:	GWMON			GWMON			GWMON			50.03.23			50.03.23		
LAB:	IT			NET			NET			CORE			CORE		
WELL OR BORING NUMBER:	1080			1080			1080			1080			1080		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-AUG-90			15-AUG-90			15-AUG-90			17-APR-93			17-APR-93		
NORTH COORDINATE:	482229.86			482229.86			482229.86			482229.86			482229.86		
EAST COORDINATE:	1378630.51			1378630.51			1378630.51			1378630.51			1378630.51		
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							6 MG/L		NV						
FLUORIDE							1 MG/L		NV						
NITRATE, AS NITROGEN							.04 MG/L		NV						
PHENOLS							.005 MG/L		UNV						
SULFATE							187 MG/L		NV						
TOTAL ORGANIC CARBON							3 MG/L		NV						
TOTAL ORGANIC HALOGENS							.027 MG/L		NV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	.98 MG/L		NV						
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV						
ARSENIC				.0025 MG/L		UNV	.013 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				110 MG/L		NV	156 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				.05 MG/L		UNV	3.39 MG/L		NV						
LEAD				.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM				66 MG/L		NV	89.2 MG/L		NV						
MANGANESE				.02 MG/L		UNV	.289 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				2.1 MG/L		NV	2.46 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				20.6 MG/L		NV	18.5 MG/L		NV						
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_201			EMGW_SYSGEN_201			EMGW_SYSGEN_201			GW930417-1			GW930417-1		
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															
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV						
ZINC				.02 MG/L		UNV	.022 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	1.97 PCI/L		NV							1.6 PCI/L	.3	J	1.7 PCI/L	.3	J
URANIUM, TOTAL	6.64 UG/L		NV							5.9 UG/L	.4	-	5.9 UG/L	.4	J
URANIUM-234	2.78 PCI/L		NV							2.2 PCI/L	.4	J	2.5 PCI/L	.4	J
THORIUM-230	1.88 PCI/L		NV							.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ
RADIUM-226	1 PCI/L		UNV							1 PCI/L	.2	UJ	1 PCI/L	.4	UJ
URANIUM-235/236	.25 PCI/L		UNV							.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ
THORIUM-232	.807 PCI/L		NV							.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ
THORIUM, TOTAL	7.28 UG/L		NV												
RADIUM-228	3 PCI/L		UNV							5.7 PCI/L	1.5	-	3 PCI/L	1.1	U
THORIUM-228	.807 PCI/L		NV							.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ
TECHNETIUM-99										15 PCI/L	7.4	U	15 PCI/L	7.3	UJ
GROSS ALPHA										4.6 PCI/L	2.8	UNV	8.2 PCI/L	4.2	UNV
GROSS BETA										15.9 PCI/L	4.2	NV	7.5 PCI/L	4.4	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						

SAMPLE NUMBER:	EMGW_SYSGEN_201			EMGW_SYSGEN_201			EMGW_SYSGEN_201			GW930417-1			GW930417-1		
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															
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:	GW930417-1	GW930417-1	GW930417-1	GW930417-1	066423
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	9.25
LAB:	FERMCO	FERMCO	NET	NET	IT
WELL OR BORING NUMBER:	1080	1080	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-APR-93	17-APR-93	17-APR-93	17-APR-93	19-JUN-89
NORTH COORDINATE:	482229.86	482229.86	482229.86	482229.86	482229.86
EAST COORDINATE:	1378630.51	1378630.51	1378630.51	1378630.51	1378630.51
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										552 MG/L		-			
AMMONIA										.02 MG/L		UJ			
BICARBONATE ALKALINITY										720 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										7 MG/L		-			
FLUORIDE										.77 MG/L		-			
NITRATE/NITRITE										.09 MG/L		-			
PH										7.44 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.39 MG/L		J			
SPECIFIC CONDUCTIVITY										1100 UMHOS/CM		-			
SULFATE										218 MG/L		J			
TOTAL DISSOLVED SOLIDS							806 MG/L		-						
TOTAL KJELDAHL NITROGEN										.29 MG/L		-			
TOTAL ORGANIC CARBON										23 MG/L		-			
TOTAL ORGANIC HALOGENS										.014 MG/L		-			
TOTAL ORGANIC NITROGEN										.29 MG/L		-			
TOTAL SOLIDS										815 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		UJ	.312 MG/L		J	.165 MG/L		-
ANTIMONY							.0771 MG/L		-	.0616 MG/L		-			
ARSENIC							.002 MG/L		U	.002 MG/L		U			
BARIUM							.0404 MG/L		-	.0431 MG/L		-	.0461 MG/L		-
BERYLLIUM							.001 MG/L		U	.001 MG/L		U	.001 MG/L		-
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							142 MG/L		-	146 MG/L		-	139 MG/L		-
CHROMIUM							.005 MG/L		U	.005 MG/L		U	.0354 MG/L		-
COBALT							.0101 MG/L		-	.0089 MG/L		-	.01 MG/L		U
COPPER							.0061 MG/L		U	.0078 MG/L		U	.01 MG/L		U
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			

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SAMPLE NUMBER:	GW930417-1			GW930417-1			GW930417-1			GW930417-1			066423		
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															
IRON							.0397 MG/L		UJ	.376 MG/L		J	.552 MG/L		-
LEAD							.001 MG/L		U	.001 MG/L		U	.002 MG/L		U
MAGNESIUM							74.9 MG/L		-	77.2 MG/L		-	87.6 MG/L		-
MANGANESE							.0072 MG/L		U	.02 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U	.253 MG/L		-
POTASSIUM							2.37 MG/L		-	2.28 MG/L		-			
SELENIUM							.001 MG/L		UJ	.0032 MG/L		UJ			
SILVER							.007 MG/L		U	.007 MG/L		U	.173 MG/L		-
SODIUM							30.6 MG/L		-	31.4 MG/L		-			
THALLIUM							.002 MG/L		UJ	.002 MG/L		UJ			
VANADIUM							.003 MG/L		U	.003 MG/L		U	.0282 MG/L		-
ZINC							.0085 MG/L		U	.0138 MG/L		U	.0314 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	5.4 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		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			

SAMPLE NUMBER:	GW930417-1			GW930417-1			GW930417-1			GW930417-1			066423		
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															
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:	066423	EMGW_SYSGEN_199	EMGW_SYSGEN_199	EMGW_SYSGEN_199	EMGW_SYSGEN_207
TASK:	9.25	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	NET
WELL OR BORING NUMBER:	1080	1080	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-JUN-89	22-FEB-90	22-FEB-90	22-FEB-90	24-OCT-91
NORTH COORDINATE:	482229.86	482229.86	482229.86	482229.86	482229.86
EAST COORDINATE:	1378630.51	1378630.51	1378630.51	1378630.51	1378630.51
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															
CHLORIDE	.5 MG/L		-							5 MG/L		NV			
FLUORIDE	1 MG/L		-							.62 MG/L		NV			
NITRATE	.11 MG/L		J							.16 MG/L		NV			
NITRATE, AS NITROGEN										.16 MG/L		NV			
PHENOLS										.005 MG/L		UNV			
SULFATE	193 MG/L		-							188 MG/L		NV			
TOTAL ORGANIC CARBON	4.979 MG/L		-							1 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC HALOGENS										.014 MG/L		NV			
INORGANICS															
ALUMINUM							.05 MG/L		UNV	15.9 MG/L		NV	.2 MG/L		UNV
ANTIMONY													.02 MG/L		UNV
ARSENIC							.003 MG/L		NV	.013 MG/L		NV	.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							134 MG/L		NV	176 MG/L		NV	118 MG/L		NV
CHROMIUM										.069 MG/L		NV			
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							.05 MG/L		UNV	8.45 MG/L		NV	.1 MG/L		UNV
LEAD							.005 MG/L		UNV	.01 MG/L		NV	.003 MG/L		UNV
MAGNESIUM							86 MG/L		NV	83.8 MG/L		NV	52 MG/L		NV
MANGANESE							.02 MG/L		UNV	.277 MG/L		NV	.032 MG/L		NV
MERCURY													.0002 MG/L		UNV
MOLYBDENUM													.01 MG/L		UNV
NICKEL							.005 MG/L		UNV	.019 MG/L		NV	.01 MG/L		UNV
POTASSIUM													1.9 MG/L		NV
SELENIUM													.005 MG/L		UNV
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV

SAMPLE NUMBER:	066423			EMGW_SYSGEN_199			EMGW_SYSGEN_199			EMGW_SYSGEN_199			EMGW_SYSGEN_207		
LAB:	IT			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															
SODIUM							21.8 MG/L		NV	37.3 MG/L		NV	13.1 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	.043 MG/L		NV	.108 MG/L		NV
RADIONUCLIDES															
URANIUM-238	1.3 PCI/L	.3	-	1.8 PCI/L		NV									
URANIUM, TOTAL	3 UG/L	1	-	5.3 UG/L		NV									
URANIUM-234	2.7 PCI/L	.5	-	2.9 PCI/L		NV									
THORIUM-230	1 PCI/L		UJ	1.3 PCI/L		NV									
URANIUM-235/236	1 PCI/L		U												
THORIUM-228	1 PCI/L		UJ	1 PCI/L		UNV									
TECHNETIUM-99	30 PCI/L		U	15 PCI/L		UNV									
URANIUM-235	1 PCI/L		U	1 PCI/L		UNV									
VOLATILES															
1,1-DICHLOROETHANE	5 UG/L		U							1 UG/L		UNV			
1,2-DICHLOROETHANE										1 UG/L		UNV			
ACETONE	10 UG/L		U							2 UG/L		UNV			
METHYLENE CHLORIDE	18 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			
TRICHLOROETHENE	5 UG/L		U							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_207	EMGW_SYSGEN_207	EMGW_SYSGEN_207D	EMGW_SYSGEN_207D	EMGW_SYSGEN_207D
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	NET	WMCO	NET	NET	WMCO
WELL OR BORING NUMBER:	1080	1080	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-OCT-91	24-OCT-91	24-OCT-91	24-OCT-91	24-OCT-91
NORTH COORDINATE:	482229.86	482229.86	482229.86	482229.86	482229.86
EAST COORDINATE:	1378630.51	1378630.51	1378630.51	1378630.51	1378630.51
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:			EMGW_SYSGEN_207	EMGW_SYSGEN_207	EMGW_SYSGEN_207
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	525 MG/L		NV							529 MG/L		NV			
AMMONIA	.02 MG/L		UNV							.02 MG/L		UNV			
CHLORIDE	5 MG/L		NV							6 MG/L		NV			
FLUORIDE	.74 MG/L		NV							.73 MG/L		NV			
NITRATE, AS NITROGEN	.04 MG/L		NV							.05 MG/L		NV			
PH	7.06 SU		NV							7.03 SU		NV			
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS	.35 MG/L		NV							.53 MG/L		NV			
SPECIFIC CONDUCTIVITY	1180 UMHOS/CM		NV							1190 UMHOS/CM		NV			
SULFATE	198 MG/L		NV							204 MG/L		NV			
TOTAL DISSOLVED SOLIDS	788 MG/L		NV							772 MG/L		NV			
TOTAL ORGANIC CARBON	25 MG/L		NV							22 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV							.02 MG/L		NV			
INORGANICS															
ALUMINUM	.7 MG/L		NV				.2 MG/L		UNV	.28 MG/L		NV			
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			
CALCIUM	140 MG/L		NV				124 MG/L		NV	141 MG/L		NV			
CHROMIUM	.002 MG/L		UNV							.0046 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			
IRON	1.13 MG/L		NV				.1 MG/L		UNV	.31 MG/L		NV			
LEAD	.003 MG/L		UNV				.003 MG/L		UNV	.003 MG/L		UNV			
MAGNESIUM	77 MG/L		NV				53 MG/L		NV	78 MG/L		NV			
MANGANESE	.059 MG/L		NV				.026 MG/L		NV	.028 MG/L		NV			
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_207			EMGW_SYSGEN_207			EMGW_SYSGEN_207D			EMGW_SYSGEN_207D			EMGW_SYSGEN_207D		
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															
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	2.3 MG/L		NV				1.9 MG/L		NV	2.1 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	13.9 MG/L		NV				13 MG/L		NV	13.9 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	.056 MG/L		NV				.103 MG/L		NV	.032 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL				3.2 UG/L		NV							3.6 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			
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			

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SAMPLE NUMBER:	EMGW_SYSGEN_207			EMGW_SYSGEN_207			EMGW_SYSGEN_207D			EMGW_SYSGEN_207D			EMGW_SYSGEN_207D		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_203			EMGW_SYSGEN_203			EMGW_SYSGEN_206			EMGW_SYSGEN_206			EMGW_SYSGEN_206		
TASK:	GWMON			GWMON			GWMON			GWMON			WMCO		
LAB:	NET			NET			NET			NET			1080		
WELL OR BORING NUMBER:	1080			1080			1080			1080			-		
DEPTH:	-			-			-			-			25-JUL-91		
DATE COLLECTED:	25-FEB-91			25-FEB-91			25-JUL-91			25-JUL-91			482229.86		
NORTH COORDINATE:	482229.86			482229.86			482229.86			482229.86			1378630.51		
EAST COORDINATE:	1378630.51			1378630.51			1378630.51			1378630.51			NORMAL		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL					
QC OF:													NONE-UNF		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF					
	RESULT	SIGMA	VAL QUAL(1)	RESULT	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		NV				519 MG/L		NV			
AMMONIA				.04 MG/L		NV				.02 MG/L		UNV			
CHLORIDE				7 MG/L		NV				6 MG/L		NV			
FLUORIDE				.82 MG/L		NV				.81 MG/L		NV			
NITRATE, AS NITROGEN				.02 MG/L		UNV				.03 MG/L		NV			
PH				7 SU		NV				7.2 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				1.66 MG/L		NV				.95 MG/L		NV			
SPECIFIC CONDUCTIVITY				1210 UMHOS/CM		NV				1170 UMHOS/CM		NV			
SULFATE				243 MG/L		NV				196 MG/L		NV			
TOTAL DISSOLVED SOLIDS				840 MG/L		NV				688 MG/L		NV			
TOTAL ORGANIC CARBON				25 MG/L		NV				13 MG/L		NV			
TOTAL ORGANIC HALOGENS				.02 MG/L		NV				.022 MG/L		NV			
INORGANICS															
ALUMINUM	.5 MG/L		UNV	10 MG/L		NV	.2 MG/L		UNV	8.19 MG/L		NV			
ANTIMONY	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV			
ARSENIC	.003 MG/L		NV	.024 MG/L		NV	.005 MG/L		UNV	.0116 MG/L		NV			
BARIUM	.2 MG/L		UNV	.235 MG/L		NV	.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	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	110 MG/L		NV	113 MG/L		NV	130 MG/L		NV	170 MG/L		NV			
CHROMIUM				.07 MG/L		NV				.002 MG/L		UNV			
COBALT	.025 MG/L		UNV	.025 MG/L		UNV	.005 MG/L		UNV	.0163 MG/L		NV			
COPPER	.025 MG/L		UNV	.036 MG/L		NV	.02 MG/L		UNV	.032 MG/L		NV			
CYANIDE				.01 MG/L		UNV				.005 MG/L		UNV			
IRON	.05 MG/L		UNV	35.2 MG/L		NV	.11 MG/L		NV	16.7 MG/L		NV			
LEAD	.005 MG/L		UNV	.035 MG/L		NV	.005 MG/L		UNV	.0133 MG/L		NV			
MAGNESIUM	74 MG/L		NV	98 MG/L		NV	48 MG/L		NV	93 MG/L		NV			
MANGANESE	.02 MG/L		UNV	.882 MG/L		NV	.033 MG/L		NV	.499 MG/L		NV			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			

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SAMPLE NUMBER:	EMGW_SYSGEN_203			EMGW_SYSGEN_203			EMGW_SYSGEN_206			EMGW_SYSGEN_206			EMGW_SYSGEN_206		
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															
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
NICKEL	.006 MG/L		NV	.014 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM	2.47 MG/L		NV	4.73 MG/L		NV	2.1 MG/L		NV	4.2 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	21.3 MG/L		NV	20.5 MG/L		NV	9.7 MG/L		NV	13.4 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	.109 MG/L		NV	.05 MG/L		UNV	.05 MG/L		UNV			
ZINC	.057 MG/L		NV	.099 MG/L		NV	.027 MG/L		NV	.059 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													3.6 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			
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			

SAMPLE NUMBER:	EMGW_SYSGEN_203			EMGW_SYSGEN_203			EMGW_SYSGEN_206			EMGW_SYSGEN_206			EMGW_SYSGEN_206		
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															
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				2 UG/L		UNV				2 UG/L		UNV			
VINYL ACETATE				1 UG/L		UNV				1 UG/L		UNV			
VINYL CHLORIDE				1 UG/L		UNV				1 UG/L		UNV			
XYLENES, TOTAL															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003908	003908	EMGW_SYSGEN_204	GW930126-1	GW930126-1
TASK:	3.2.4	3.2.4	GWMON	RCRA	RCRA
LAB:	IT	IT	IT	CORE	FERMCO Laboratory
WELL OR BORING NUMBER:	1080	1080	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-FEB-89	26-FEB-89	26-FEB-91	26-JAN-93	26-JAN-93
NORTH COORDINATE:	482229.86	482229.86	482229.86	482229.86	482229.86
EAST COORDINATE:	1378630.51	1378630.51	1378630.51	1378630.51	1378630.51
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		U									
CHLORIDE				5.8 MG/L		U									
FLUORIDE				1 MG/L		-									
NITRATE				.04 MG/L		-									
PHENOLS				.007 MG/L		-									
PHOSPHORUS				.02 MG/L		-									
SULFATE				160 MG/L		-									
TOTAL KJELDAHL NITROGEN				.4 MG/L		U									
TOTAL ORGANIC HALIDES				.05 MG/L		U									
TOTAL ORGANIC NITROGEN				0 MG/L		-									
INORGANICS															
ARSENIC	.004 MG/L		-												
BARIUM	.046 MG/L		-												
CADMIUM	.005 MG/L		-												
CALCIUM	130 MG/L		-												
CHROMIUM	.03 MG/L		-												
COPPER	.01 MG/L		U												
IRON	.06 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	70 MG/L		-												
MANGANESE	.05 MG/L		-												
MERCURY	.0002 MG/L		J												
MOLYBDENUM	.03 MG/L		-												
NICKEL	.03 MG/L		U												
POTASSIUM	1.6 MG/L		-												
SELENIUM	.005 MG/L		U												
SILVER	.01 MG/L		U												
SODIUM	24 MG/L		-												

RADIONUCLIDES

URANIUM-238
10/01/94

				1.4 PCI/L	.4	-	4.56 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	003908			003908			EMGW_SYSGEN_204			GW930126-1			GW930126-1		
LAB:	IT			IT			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL				5 UG/L	1	J	5.55 UG/L		NV	4.2 UG/L		NV	3.7 UG/L		NV
URANIUM-234				2 PCI/L	.4	-	4.05 PCI/L		NV						
THORIUM-230				1 PCI/L		U	.22 PCI/L		UNV	.2 PCI/L	.1	UNV			
RADIUM-226				1 PCI/L		UJ	1 PCI/L		UNV	1 PCI/L	.3	UNV			
URANIUM-235/236				1 PCI/L		U	.22 PCI/L		UNV						
THORIUM-232				1 PCI/L		U	.919 PCI/L		NV	.2 PCI/L	.1	UNV			
THORIUM, TOTAL				4 UG/L	3	-	8.29 UG/L		NV	.5 UG/L		UNV			
RADIUM-228				3 PCI/L		UJ	3 PCI/L		UNV	3 PCI/L	1.3	UNV			
THORIUM-228				1 PCI/L		U	1.87 PCI/L		NV	.2 PCI/L	.1	UNV			
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		UJ	17 PCI/L		UNV						
RUTHENIUM-106				150 PCI/L		R	150 PCI/L		UNV						
CESIUM-137				20 PCI/L		R	9.1 PCI/L		UNV						
GROSS ALPHA							24.3 PCI/L		NV	2.2 PCI/L	3.9	NV			
GROSS BETA							37.7 PCI/L		NV	5.2 PCI/L	4.4	NV			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930126-1	GW930126-1	066674	066675	066675
TASK:	RCRA	RCRA	9.27	9.27	9.27
LAB:	NET	NET	IT	WMCO	WMCO
WELL OR BORING NUMBER:	1080	1080	1080	1080	1080
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JAN-93	26-JAN-93	27-NOV-89	27-NOV-89	27-NOV-89
NORTH COORDINATE:	482229.86	482229.86	482229.86	482229.86	482229.86
EAST COORDINATE:	1378630.51	1378630.51	1378630.51	1378630.51	1378630.51
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				544 MG/L		NV									
ALLYL CHLORIDE				5 UG/L		UNV									
AMMONIA				.02 MG/L		UNV									
BICARBONATE ALKALINITY				659 MG/L		NV									
CARBONATE ALKALINITY				3 MG/L		UNV									
CHLORIDE				2 MG/L		NV							5 MG/L		NV
FLUORIDE				.87 MG/L		NV							.86 MG/L		NV
NITRATE				.1 MG/L		NV							.24 MG/L		NV
NITRITE, AS NITROGEN				.02 MG/L		UNV									
PH				7.05 SU		NV							.025 MG/L		NV
PHENOLS				.01 MG/L		UNV							.025 MG/L		NV
PHOSPHORUS				.1 MG/L		UNV									
SPECIFIC CONDUCTIVITY				1350 UMHOS/CM		NV									
SULFATE				253 MG/L		NV							190 MG/L		NV
TOTAL DISSOLVED SOLIDS	786 MG/L		NV												
TOTAL ORGANIC CARBON				21 MG/L		NV							2 MG/L		NV
TOTAL ORGANIC HALIDES				.01 MG/L		UNV							.01 MG/L		UNV
TOTAL SOLIDS				820 MG/L		NV									
INORGANICS															
ALUMINUM	.2 MG/L		UNV	.2 MG/L		UNV				.33 MG/L		NV	6.9 MG/L		NV
ANTIMONY	.02 MG/L		UNV	.02 MG/L		UNV									
ARSENIC	.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		NV	.013 MG/L		NV
BARIUM	.2 MG/L		UNV	.23 MG/L		NV				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV	.005 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV									
CALCIUM	150 MG/L		NV	139 MG/L		NV				127 MG/L		NV	147 MG/L		NV
CHROMIUM	.002 MG/L		UNV	.0039 MG/L		NV				.005 MG/L		UNV	.009 MG/L		NV
COBALT	.005 MG/L		UNV	.005 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.02 MG/L		UNV	.02 MG/L		UNV				.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE				.005 MG/L		UNV									

SAMPLE NUMBER:	GW930126-1			GW930126-1			066674			066675			066675		
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															
IRON	.13 MG/L		NV	.38 MG/L		NV				.232 MG/L		NV	7.83 MG/L		NV
LEAD	.003 MG/L		UNV	.003 MG/L		UNV				.005 MG/L		UNV	.005 MG/L		NV
MAGNESIUM	79.9 MG/L		NV	79.6 MG/L		NV				73.6 MG/L		NV	82 MG/L		NV
MANGANESE	.015 MG/L		UNV	.029 MG/L		NV				.046 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				.005 MG/L		UNV	.01 MG/L		NV
POTASSIUM				2.2 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				32 MG/L		NV				15.5 MG/L		NV	23.5 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	.037 MG/L		NV
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							1.4 PCI/L	.3	R						
URANIUM, TOTAL							3.4 UG/L	.4	R						
URANIUM-234							2.3 PCI/L	.4	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															

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2-CHLOROETHYL VINYL ETHER 10 UG/L UNV

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930126-1			GW930126-1			066674			066675			066675		
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)
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							2.5 UG/L		UNV
1,1-DICHLOROETHENE				1 UG/L		UNV									
1,2-DICHLOROETHANE				1 UG/L		UNV							2.5 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							2.5 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							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
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:	066535			066565			066565			003948			003948		
TASK:	9.25			9.25			9.25			3.2.4			3.2.4		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1080			1080			1080			1081			1081		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	31-AUG-89			31-AUG-89			31-AUG-89			05-FEB-89			05-FEB-89		
NORTH COORDINATE:	482229.86			482229.86			482229.86			482041.23			482041.23		
EAST COORDINATE:	1378630.51			1378630.51			1378630.51			1379003.75			1379003.75		
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)
DIOXINS/FURANS															
1,4-DIOXANE							1000 UG/L		UJ						
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN							1.4 NG/L		U						
HEXACHLORODIBENZO-P-DIOXINS							.89 NG/L		U						
HEXACHLORODIBENZOFURANS							.32 NG/L		-						
PENTACHLORODIBENZO-P-DIOXINS							.24 NG/L		U						
PENTACHLORODIBENZOFURANS							.35 NG/L		-						
TETRACHLORODIBENZO-P-DIOXINS							.43 NG/L		U						
TETRACHLORODIBENZOFURANS							.12 NG/L		-						
GENERAL CHEMISTRY															
AMMONIA													.1 MG/L		U
CHLORIDE	5 MG/L		-										35 MG/L		-
FLUORIDE	.92 MG/L		-										.39 MG/L		J
NITRATE	.1 MG/L		UR										21.5 MG/L		J
PHENOLS													.01 MG/L		R
PHOSPHORUS													2.79 MG/L		J
SULFATE	243 MG/L		-										598 MG/L		-
SULFIDE							.5 MG/L		U						
TOTAL KJELDAHL NITROGEN													.1 MG/L		UJ
TOTAL ORGANIC CARBON	1.25 MG/L		-												
TOTAL ORGANIC HALIDES	.015 MG/L		-										.05 MG/L		U
TOTAL ORGANIC NITROGEN													.1 MG/L		UJ
INORGANICS															
ALUMINUM				.604 MG/L		-									
ANTIMONY				.03 MG/L		U									
ARSENIC				.0067 MG/L		-				.003 MG/L		-			

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SAMPLE NUMBER:	066535			066565			066565			003948			003948		
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															
BARIUM				.0572 MG/L		-				.039 MG/L		-			
BERYLLIUM				.002 MG/L		-									
CADMIUM				.0119 MG/L		-				.015 MG/L		-			
CALCIUM				146 MG/L		-				230 MG/L		-			
CHROMIUM				.0619 MG/L		-				.043 MG/L		-			
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U				.023 MG/L		-			
CYANIDE							.005 MG/L		U						
IRON				.507 MG/L		-				.062 MG/L		-			
LEAD				.0039 MG/L		R				.002 MG/L		UJ			
MAGNESIUM				56.1 MG/L		-				90.1 MG/L		-			
MANGANESE				.0336 MG/L		-				.015 MG/L		-			
MERCURY				.0002 MG/L		U				.001 MG/L		-			
MOLYBDENUM										.02 MG/L		U			
NICKEL				.0334 MG/L		-				.037 MG/L		-			
OSMIUM				.05 MG/L		U									
POTASSIUM				1.79 MG/L		-				2.58 MG/L		J			
SELENIUM				.002 MG/L		UJ				.002 MG/L		UJ			
SILVER				.014 MG/L		-				.0005 MG/L		U			
SODIUM				20.6 MG/L		-				161 MG/L		-			
THALLIUM				.001 MG/L		U									
TIN				.03 MG/L		U									
VANADIUM				.0295 MG/L		-									
ZINC				.0372 MG/L		J									
No sort code listed.															
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		UR						
3-CHLOROPROPENE							5 UG/L		UJ						
ACETONITRILE							200 UG/L		UJ						
ACROLEIN							10 UG/L		U						
ACROLEIN							10 UG/L		U						
ACRYLONITRILE							10 UG/L		UJ						
DIBROMOMETHANE							10 UG/L		U						
DICHLORODIFLUOROMETHANE							200 UG/L		UR						
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						

RADIONUCLIDES														
URANIUM-238	1.7 PCI/L	.4	-									34.9 PCI/L	5.6	-
10/01/94														
SAMPLE NUMBER:	066535			066565			066565			003948			003948		
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	4 UG/L	1	-										94 UG/L	16	-
URANIUM-234	2.9 PCI/L	.5	-										16.4 PCI/L	3	-
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	2	-
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		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99	30 PCI/L		UJ										30 PCI/L		UJ
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
SEMIVOLATILES															
PYRIDINE							50000 UG/L		UJ						
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		U						
1,2-DICHLOROPROPANE							5 UG/L		U						
2-BUTANONE							10 UG/L		UR						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							3 UG/L		J						
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						

SAMPLE NUMBER:	066535			066565			066565			003948			003948		
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															
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		UJ						
ISOBUTYL ALCOHOL							3000 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						
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 1 WELLS

SAMPLE NUMBER:	GW930105-3	GW930105-3	GW930105-3	GW930105-3	EMGW_SYSGEN_214
TASK:	RCRA	RCRA	RCRA	RCRA	GWMON
LAB:	CORE	FERMCO Laboratory	NET	NET	IT
WELL OR BORING NUMBER:	1081	1081	1081	1081	1081
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JAN-93	05-JAN-93	05-JAN-93	05-JAN-93	06-FEB-91
NORTH COORDINATE:	482041.23	482041.23	482041.23	482041.23	482041.23
EAST COORDINATE:	1379003.75	1379003.75	1379003.75	1379003.75	1379003.75
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										597 MG/L		NV			
ALLYL CHLORIDE										5 UG/L		UNV			
AMMONIA										.02 MG/L		UNV			
BICARBONATE ALKALINITY										848 MG/L		NV			
CARBONATE ALKALINITY										3 MG/L		UNV			
CHLORIDE										36 MG/L		NV			
FLUORIDE										.31 MG/L		NV			
NITRATE										5.08 MG/L		NV			
NITRITE, AS NITROGEN										.02 MG/L		UNV			
PH										6.98 SU		NV			
PHENOLS										.01 MG/L		UNV			
PHOSPHORUS										.26 MG/L		NV			
SPECIFIC CONDUCTIVITY										2170 UMHOS/CM		NV			
SULFATE										588 MG/L		NV			
TOTAL DISSOLVED SOLIDS							1540 MG/L		NV						
TOTAL ORGANIC CARBON										9 MG/L		NV			
TOTAL ORGANIC HALIDES										.03 MG/L		NV			
TOTAL SOLIDS										1550 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	.2 MG/L		UNV			
BERYLLIUM							.005 MG/L		UNV	.005 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							287 MG/L		NV	289 MG/L		NV			
CHROMIUM							.002 MG/L		UNV	.0037 MG/L		NV			
COBALT							.005 MG/L		UNV	.005 MG/L		UNV			
COPPER							.02 MG/L		UNV	.025 MG/L		NV			
CYANIDE										.005 MG/L		UNV			

SAMPLE NUMBER:	GW930105-3			GW930105-3			GW930105-3			GW930105-3			EMGW_SYSGEN_214		
LAB:	CORE			FERMCO Laboratory			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 MG/L		UNV	.1 MG/L		UNV			
LEAD							.003 MG/L		UNV	.003 MG/L		UNV			
MAGNESIUM							104 MG/L		NV	103 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 MG/L		NV			
SELENIUM							.005 MG/L		UNV	.005 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM										68 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-238													7.29 PCI/L		NV
URANIUM, TOTAL	24.2 UG/L		NV	27 UG/L		NV							16.7 UG/L		NV
URANIUM-234													5.27 PCI/L		NV
THORIUM-230	.4 PCI/L	.2	NV										.78 PCI/L		UNV
RADIUM-226	1 PCI/L	.2	UNV										1 PCI/L		UNV
URANIUM-235/236													.266 PCI/L		NV
THORIUM-232	.2 PCI/L	.1	UNV										.78 PCI/L		UNV
THORIUM, TOTAL	.9 UG/L		NV										7 UG/L		UNV
RADIUM-228	3 PCI/L	1.1	UNV										3 PCI/L		UNV
THORIUM-228	.2 PCI/L	.1	UNV										.811 PCI/L		NV
NEPTUNIUM-237													.5 PCI/L		UNV

SAMPLE NUMBER:	GW930105-3			GW930105-3			GW930105-3			GW930105-3			EMGW_SYSGEN_214		
LAB:	CORE			FERMCO Laboratory			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															
PLUTONIUM-239/240	.5 PCI/L	.3	UNV										.5 PCI/L		UNV
PLUTONIUM-238	.5 PCI/L	.2	UNV										.5 PCI/L		UNV
TECHNETIUM-99													15 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													8.1 PCI/L		UNV
GROSS ALPHA	8.6 PCI/L	7.3	NV										37.1 PCI/L		NV
GROSS BETA	8.9 PCI/L	7.7	NV										15.6 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			
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			

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SAMPLE NUMBER:	GW930105-3			GW930105-3			GW930105-3			GW930105-3			EMGW_SYSGEN_214		
LAB:	CORE			FERMCO Laboratory			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 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:	EMGW_SYSGEN_214			EMGW_SYSGEN_214			EMGW_SYSGEN_216			EMGW_SYSGEN_216			EMGW_SYSGEN_216		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			WMCO		
WELL OR BORING NUMBER:	1081			1081			1081			1081			1081		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-FEB-91			06-FEB-91			10-JUL-91			10-JUL-91			10-JUL-91		
NORTH COORDINATE:	482041.23			482041.23			482041.23			482041.23			482041.23		
EAST COORDINATE:	1379003.75			1379003.75			1379003.75			1379003.75			1379003.75		
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															
ALKALINITY AS CACO3				662 MG/L		NV				708 MG/L		NV			
AMMONIA				.07 MG/L		NV				.02 MG/L		UNV			
CHLORIDE				37 MG/L		NV				40 MG/L		NV			
FLUORIDE				.28 MG/L		NV				.25 MG/L		NV			
NITRATE, AS NITROGEN				11.1 MG/L		NV				10.1 MG/L		NV			
PH				7.02 SU		NV				6.98 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS				.26 MG/L		NV				.13 MG/L		NV			
SPECIFIC CONDUCTIVITY				1870 UMHOS/CM		NV				1850 UMHOS/CM		NV			
SULFATE				588 MG/L		NV				642 MG/L		NV			
TOTAL DISSOLVED SOLIDS				1470 MG/L		NV				1360 MG/L		NV			
TOTAL ORGANIC CARBON				23 MG/L		NV				21 MG/L		NV			
TOTAL ORGANIC HALOGENS				.07 MG/L		NV				.049 MG/L		NV			
INORGANICS															
ALUMINUM	.5 MG/L		UNV	1.31 MG/L		NV	.2 MG/L		UNV	.26 MG/L		NV			
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	.4 MG/L		UNV	.4 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	.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	167 MG/L		NV	261 MG/L		NV	230 MG/L		NV	260 MG/L		NV			
CHROMIUM				.005 MG/L		UNV				.0117 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		NV			
CYANIDE				.005 MG/L		UNV				.005 MG/L		UNV			
IRON	.05 MG/L		UNV	3.83 MG/L		NV	.1 MG/L		UNV	.4 MG/L		NV			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	60 MG/L		NV	102 MG/L		NV	83 MG/L		NV	110 MG/L		NV			
MANGANESE	.075 MG/L		NV	.116 MG/L		NV	.027 MG/L		NV	.046 MG/L		NV			
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_214			EMGW_SYSGEN_214			EMGW_SYSGEN_216			EMGW_SYSGEN_216			EMGW_SYSGEN_216		
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															
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
NICKEL	.005 MG/L		UNV	.012 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV			
POTASSIUM	3.3 MG/L		NV	4.76 MG/L		NV	2.5 MG/L		NV	2.6 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	58.6 MG/L		NV	58.9 MG/L		NV	52 MG/L		NV	55 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	.021 MG/L		NV	.027 MG/L		NV	.038 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV				1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													16 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			
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			

SAMPLE NUMBER:	EMGW_SYSGEN_214			EMGW_SYSGEN_214			EMGW_SYSGEN_216			EMGW_SYSGEN_216			EMGW_SYSGEN_216		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_213	EMGW_SYSGEN_213	EMGW_SYSGEN_213	GW930413-12	GW930413-12
TASK:	GWMON	GWMON	GWMON	50.03.23	50.03.23
LAB:	IT	NET	NET	CORE	CORE
WELL OR BORING NUMBER:	1081	1081	1081	1081	1081
DEPTH:	-	-	-	-	-
DATE COLLECTED:	12-NOV-90	12-NOV-90	12-NOV-90	13-APR-93	13-APR-93
NORTH COORDINATE:	482041.23	482041.23	482041.23	482041.23	482041.23
EAST COORDINATE:	1379003.75	1379003.75	1379003.75	1379003.75	1379003.75
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							295 MG/L		NV						
AMMONIA							.02 MG/L		UNV						
CHLORIDE							36 MG/L		NV						
FLUORIDE							.38 MG/L		NV						
NITRATE/NITRITE							11.4 MG/L		NV						
PH							6.52 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.26 MG/L		NV						
SPECIFIC CONDUCTIVITY							1890 UMHOS/CM		NV						
SULFATE							396 MG/L		NV						
TOTAL DISSOLVED SOLIDS							1500 MG/L		NV						
TOTAL ORGANIC CARBON							7 MG/L		NV						
TOTAL ORGANIC HALOGENS							.029 MG/L		NV						
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				166 MG/L		NV	193 MG/L		NV						
CHROMIUM							.079 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				.056 MG/L		NV	1.77 MG/L		NV						
LEAD				.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM				26 MG/L		NV	66 MG/L		NV						
MANGANESE				.02 MG/L		UNV	.054 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_213			EMGW_SYSGEN_213			EMGW_SYSGEN_213			GW930413-12			GW930413-12		
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															
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL				.005 MG/L		UNV	.005 MG/L		UNV						
POTASSIUM				2.87 MG/L		NV	2.91 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				36 MG/L		NV	50.1 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		NV	.025 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	34.4 PCI/L		NV							5.4 PCI/L	1.1	J	4.4 PCI/L	.5	J
URANIUM, TOTAL	18.1 UG/L		NV							22.4 UG/L	1.6	-	22.7 UG/L	1.6	J
URANIUM-234	23.5 PCI/L		NV							5.7 PCI/L	1.1	J	4.1 PCI/L	.4	J
THORIUM-230	.75 PCI/L		NV							.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ
RADIUM-226	1 PCI/L		UNV							1 PCI/L	.2	UJ	1 PCI/L	.3	UJ
URANIUM-235/236	1.12 PCI/L		NV							.3 PCI/L	.4	J	.2 PCI/L	.2	UJ
THORIUM-232	.48 PCI/L		UNV							.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ
THORIUM, TOTAL	4.3 UG/L		UNV												
RADIUM-228	3 PCI/L		UNV							3 PCI/L	1.2	U	3 PCI/L	1.1	U
THORIUM-228	2.11 PCI/L		NV							.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ
NEPTUNIUM-237	.5 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.819 PCI/L		NV												
TECHNETIUM-99	17 PCI/L		UNV							15 PCI/L	7.1	U	15 PCI/L	7	UJ
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	7.3 PCI/L		UNV												
GROSS ALPHA	20 PCI/L		UNV							9.9 PCI/L	5.7	NV	13.2 PCI/L	7.4	UNV
GROSS BETA	27.2 PCI/L		NV							13.9 PCI/L	7.3	NV	11.9 PCI/L	7	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						

SAMPLE NUMBER:	EMGW_SYSGEN_213	EMGW_SYSGEN_213	EMGW_SYSGEN_213	GW930413-12	GW930413-12
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															
1,2-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 1 WELLS

SAMPLE NUMBER:	GW930413-12	GW930413-12	066496	066496	EMGW_SYSGEN_210
TASK:	50.03.23	50.03.23	9.25	9.25	GWMON
LAB:	NET	NET	IT	IT	IT
WELL OR BORING NUMBER:	1081	1081	1081	1081	1081
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-APR-93	13-APR-93	13-AUG-89	13-AUG-89	15-FEB-90
NORTH COORDINATE:	482041.23	482041.23	482041.23	482041.23	482041.23
EAST COORDINATE:	1379003.75	1379003.75	1379003.75	1379003.75	1379003.75
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															
ALKALINITY AS CACO3				652 MG/L		-									
AMMONIA				.02 MG/L		UR									
BICARBONATE ALKALINITY				781 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				38 MG/L		-				34 MG/L		-			
FLUORIDE				.35 MG/L		-				.49 MG/L		-			
NITRATE				5.36 MG/L		-				14.9 MG/L		-			
NITRATE/NITRITE				5.36 MG/L		-									
PH				7.09 SU		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.11 MG/L		R									
SPECIFIC CONDUCTIVITY				1910 UMHOS/CM		-									
SULFATE				520 MG/L		-				384 MG/L		J			
TOTAL DISSOLVED SOLIDS	1580 MG/L		-												
TOTAL KJELDAHL NITROGEN				.22 MG/L		-									
TOTAL ORGANIC CARBON				19 MG/L		J				1.28 MG/L		-			
TOTAL ORGANIC HALIDES										.021 MG/L		-			
TOTAL ORGANIC HALOGENS				.027 MG/L		-									
TOTAL ORGANIC NITROGEN				.22 MG/L		-									
TOTAL SOLIDS				1570 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	.0654 MG/L		U	.281 MG/L		-						
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.002 MG/L		U	.002 MG/L		U									
BARIUM	.0306 MG/L		-	.0318 MG/L		-	.04 MG/L		-						
BERYLLIUM	.001 MG/L		U	.001 MG/L		U	.0017 MG/L		U						
CADMIUM	.003 MG/L		UJ	.003 MG/L		U									
CALCIUM	276 MG/L		-	282 MG/L		-	292 MG/L		-						
CHROMIUM	.005 MG/L		U	.005 MG/L		U	.042 MG/L		-						
COBALT	.0091 MG/L		-	.0111 MG/L		-	.01 MG/L		U						

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SAMPLE NUMBER:	GW930413-12			GW930413-12			066496			066496			EMGW_SYSGEN_210		
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															
COPPER	.0169 MG/L		U	.0087 MG/L		U	.01 MG/L		U						
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ									
IRON	.0567 MG/L		U	.0541 MG/L		U	.2111 MG/L		-						
LEAD	.001 MG/L		UJ	.0024 MG/L		UJ	.004 MG/L		-						
MAGNESIUM	100 MG/L		-	102 MG/L		-	108.6 MG/L		-						
MANGANESE	.0478 MG/L		-	.0514 MG/L		-									
MERCURY	.0002 MG/L		U	.00059 MG/L		-									
NICKEL	.02 MG/L		U	.02 MG/L		U	.0365 MG/L		-						
POTASSIUM	2.61 MG/L		-	2.18 MG/L		-									
SELENIUM	.001 MG/L		UJ	.001 MG/L		UJ									
SILVER	.007 MG/L		U	.007 MG/L		U	.0132 MG/L		-						
SODIUM	52.1 MG/L		-	53.9 MG/L		-									
THALLIUM	.002 MG/L		U	.01 MG/L		UJ									
VANADIUM	.003 MG/L		U	.003 MG/L		U	.041 MG/L		-						
ZINC	.0144 MG/L		U	.0095 MG/L		U	.0401 MG/L		-						
RADIONUCLIDES															
URANIUM-238										18.1 PCI/L	2.4	-	13.5 PCI/L		NV
URANIUM, TOTAL										43 UG/L	9	-	40.5 UG/L		NV
URANIUM-234										11.3 PCI/L	1.6	-	10.5 PCI/L		NV
THORIUM-230										1 PCI/L		U	1 PCI/L		UNV
URANIUM-235/236										1 PCI/L		U			
THORIUM-228										1 PCI/L		U	1 PCI/L		UNV
TECHNETIUM-99										30 PCI/L		U	17 PCI/L		UNV
URANIUM-235										1 PCI/L		U	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				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		UJ									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U				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									

SAMPLE NUMBER:	GW930413-12			GW930413-12			066496			066496			EMGW_SYSGEN_210		
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															
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				5 UG/L		U			
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				10 UG/L		U				5 UG/L		U			
TOLUENE				10 UG/L		U				5 UG/L		U			
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				10 UG/L		U				5 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_210			EMGW_SYSGEN_210			EMGW_SYSGEN_217			EMGW_SYSGEN_217			EMGW_SYSGEN_217		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	NET			NET			NET			NET			WMCO		
WELL OR BORING NUMBER:	1081			1081			1081			1081			1081		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-FEB-90			15-FEB-90			17-OCT-91			17-OCT-91			17-OCT-91		
NORTH COORDINATE:	482041.23			482041.23			482041.23			482041.23			482041.23		
EAST COORDINATE:	1379003.75			1379003.75			1379003.75			1379003.75			1379003.75		
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															
ALKALINITY AS CACO3										552 MG/L		NV			
AMMONIA										.04 MG/L		NV			
CHLORIDE				34 MG/L		NV				37 MG/L		NV			
FLUORIDE				.79 MG/L		NV				.35 MG/L		NV			
NITRATE, AS NITROGEN				8.84 MG/L		NV				7.4 MG/L		NV			
PH				.005 MG/L		UNV				6.79 SU		NV			
PHENOLS				.005 MG/L		UNV				.005 MG/L		UNV			
PHOSPHORUS										.29 MG/L		NV			
SPECIFIC CONDUCTIVITY										1790 UMHOS/CM		NV			
SULFATE				412 MG/L		NV				521 MG/L		NV			
TOTAL DISSOLVED SOLIDS										1260 MG/L		NV			
TOTAL ORGANIC CARBON				2 MG/L		NV				44 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV				.034 MG/L		NV			
INORGANICS															
ALUMINUM	.096 MG/L		NV	2.13 MG/L		NV	.2 MG/L		UNV	.45 MG/L		NV			
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	250 MG/L		NV	294 MG/L		NV	160 MG/L		NV	280 MG/L		NV			
CHROMIUM				.005 MG/L		UNV				.0263 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	.028 MG/L		NV	.02 MG/L		UNV	.02 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON	.101 MG/L		NV	4.19 MG/L		NV	.1 MG/L		UNV	.822 MG/L		NV			
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.003 MG/L		UNV	.003 MG/L		NV			
MAGNESIUM	100 MG/L		NV	95 MG/L		NV	62 MG/L		NV	102 MG/L		NV			
MANGANESE	.02 MG/L		UNV	.165 MG/L		NV	.015 MG/L		UNV	.029 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			

SAMPLE NUMBER:	EMGW_SYSGEN_210			EMGW_SYSGEN_210			EMGW_SYSGEN_217			EMGW_SYSGEN_217			EMGW_SYSGEN_217		
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															
MOLYBDENUM							.01 MG/L		UNV	.01 MG/L		NV			
NICKEL	.005 MG/L		UNV	.014 MG/L		NV	.012 MG/L		UNV	.012 MG/L		NV			
POTASSIUM							2.7 MG/L		NV	2.8 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	70.2 MG/L		NV	89.3 MG/L		NV	45 MG/L		NV	48 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	.072 MG/L		NV	.071 MG/L		NV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL													17 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 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			
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_210			EMGW_SYSGEN_210			EMGW_SYSGEN_217			EMGW_SYSGEN_217			EMGW_SYSGEN_217		
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															
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 1 WELLS

SAMPLE NUMBER:	066432	066432	003210	003210	003764
TASK:	9.25	9.25	3.2.4	3.2.4	3.2.4
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1081	1081	1081	1081	1081
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUN-89	18-JUN-89	19-MAY-88	19-MAY-88	20-NOV-88
NORTH COORDINATE:	482041.23	482041.23	482041.23	482041.23	482041.23
EAST COORDINATE:	1379003.75	1379003.75	1379003.75	1379003.75	1379003.75
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				30 MG/L		-				26.9 MG/L		J			
FLUORIDE				.415 MG/L		-				.8 MG/L		-			
NITRATE				19.6 MG/L		J				56 MG/L		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.75 MG/L		-			
SULFATE				563 MG/L		-				590 MG/L		-			
TOTAL ORGANIC CARBON				4.92 MG/L		UJ									
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN										.1 MG/L		U			
INORGANICS															
ALUMINUM	.197 MG/L		-												
ARSENIC							.2 MG/L		U				.002 MG/L		UJ
BARIUM	.032 MG/L		-				.05 MG/L		U				.031 MG/L		-
BERYLLIUM	.0013 MG/L		-												
CADMIUM							.005 MG/L		U				.002 MG/L		U
CALCIUM	250 MG/L		-				230.3 MG/L		-				223 MG/L		-
CHROMIUM	.05 MG/L		-				.02 MG/L		U				.02 MG/L		U
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U				.01 MG/L		U				.01 MG/L		U
IRON	.0822 MG/L		-				.23 MG/L		-				.125 MG/L		J
LEAD	.0025 MG/L		-				.05 MG/L		U				.002 MG/L		U
MAGNESIUM	96 MG/L		-				91.6 MG/L		-				86.3 MG/L		-
MANGANESE							.041 MG/L		-				.012 MG/L		-
MERCURY							.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM							.02 MG/L		U				.036 MG/L		
NICKEL	.0271 MG/L		-				.02 MG/L		U				.02 MG/L		
POTASSIUM							2.98 MG/L		-				3.38 MG/L		
SELENIUM							.2 MG/L		U				.002 MG/L		
SILVER	.0132 MG/L		-				.01 MG/L		U				.0005 MG/L		

001359

6416

SAMPLE NUMBER:	066432			066432			003210			003210			003764		
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															
SODIUM							46.1 MG/L		-				138 MG/L		-
VANADIUM	.039 MG/L		-												
ZINC	.0179 MG/L		-												
RADIONUCLIDES															
URANIUM-238				19.2 PCI/L	2.5	-				6.6 PCI/L	.9	-			
URANIUM, TOTAL				56 UG/L	9	-				26 UG/L	5	-			
URANIUM-234				11.1 PCI/L	1.5	-				6.3 PCI/L	.9	-			
THORIUM-230				1 PCI/L		U				1.1 PCI/L	.3	J			
RADIUM-226										1 PCI/L		U			
URANIUM-235/236				1 PCI/L		U				1 PCI/L		U			
THORIUM-232										1 PCI/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-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 1 WELLS

SAMPLE NUMBER:	003764			EMGW_SYSGEN_212			EMGW_SYSGEN_212			EMGW_SYSGEN_212			066676		
TASK:	3.2.4			GWMON			GWMON			GWMON			9.27		
LAB:	IT			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1081			1081			1081			1081			1081		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-NOV-88			21-AUG-90			21-AUG-90			21-AUG-90			21-NOV-89		
NORTH COORDINATE:	482041.23			482041.23			482041.23			482041.23			482041.23		
EAST COORDINATE:	1379003.75			1379003.75			1379003.75			1379003.75			1379003.75		
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	.14 MG/L		J												
CHLORIDE	3 MG/L		-							37 MG/L		NV			
FLUORIDE	.74 MG/L		-							.38 MG/L		NV			
NITRATE	11.7 MG/L		-							14.9 MG/L		NV			
NITRATE, AS NITROGEN										14.9 MG/L		NV			
PHENOLS	.01 MG/L		U							.005 MG/L		NV			
PHOSPHORUS	5.28 MG/L		-												
SULFATE	604 MG/L		-							637 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.95 MG/L		J												
TOTAL ORGANIC CARBON										5 MG/L		NV			
TOTAL ORGANIC HALIDES	.05 MG/L		U												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.81 MG/L		J												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	3.39 MG/L		NV			
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							250 MG/L		NV	319 MG/L		NV			
CHROMIUM										.012 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	2.94 MG/L		NV			
LEAD							.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM							82.8 MG/L		NV	111 MG/L		NV			
MANGANESE							.02 MG/L		UNV	.062 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			

SAMPLE NUMBER:	003764			EMGW_SYSGEN_212			EMGW_SYSGEN_212			EMGW_SYSGEN_212			066676		
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															
NICKEL							.005 MG/L		UNV	.005 MG/L		UNV			
POTASSIUM							2.74 MG/L		NV	3.32 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							43.9 MG/L		NV	46.1 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	.02 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238	34.8 PCI/L	4.5	-	6.23 PCI/L		NV							14.6 PCI/L	1.9	R
URANIUM, TOTAL	93 UG/L	15	-	17.3 UG/L		NV							32 UG/L	5	R
URANIUM-234	17.6 PCI/L	2.4	-	7.4 PCI/L		NV							9.5 PCI/L	1.3	R
THORIUM-230	1 PCI/L		U	.32 PCI/L		UNV							1 PCI/L		R
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV									
URANIUM-235/236	1 PCI/L		U	.34 PCI/L		UNV							1 PCI/L		R
THORIUM-232	1 PCI/L		U	.32 PCI/L		UNV							1 PCI/L		R
THORIUM, TOTAL	7 UG/L		U	2.9 UG/L		UNV									
RADIUM-228	3 PCI/L		UJ	3 PCI/L		UNV									
THORIUM-228	1 PCI/L		U	.522 PCI/L		NV							1.4 PCI/L	.5	R
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		UJ										30 PCI/L		R
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				18.2 PCI/L		NV									
GROSS BETA				12 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-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:	003764			EMGW_SYSGEN_212			EMGW_SYSGEN_212			EMGW_SYSGEN_212			066676		
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															
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 1 WELLS

SAMPLE NUMBER:	003520	003520	066677	066677	EMGW_SYSGEN_211
TASK:	3.2.4	3.2.4	9.27	9.27	GWMON
LAB:	IT	IT	WMCO	WMCO	IT
WELL OR BORING NUMBER:	1081	1081	1081	1081	1081
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-AUG-88	22-AUG-88	22-NOV-89	22-NOV-89	24-MAY-90
NORTH COORDINATE:	482041.23	482041.23	482041.23	482041.23	482041.23
EAST COORDINATE:	1379003.75	1379003.75	1379003.75	1379003.75	1379003.75
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	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		UJ									
CHLORIDE				17.5 MG/L		-				34 MG/L		NV			
FLUORIDE				.96 MG/L		J				.39 MG/L		NV			
NITRATE				27.5 MG/L		J				16.5 MG/L		NV			
PHENOLS				.02 MG/L		-				.006 MG/L		NV			
PHOSPHORUS				.525 MG/L		J									
SULFATE				355 MG/L		J				392 MG/L		NV			
TOTAL ORGANIC CARBON										3 MG/L		NV			
TOTAL ORGANIC HALIDES				.05 MG/L		U				.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN				.1 MG/L		J									
INORGANICS															
ALUMINUM							.41 MG/L		NV	2 MG/L		NV			
ARSENIC	.002 MG/L		U				.0025 MG/L		UNV	.0025 MG/L		UNV			
BARIUM	.032 MG/L		-				.2 MG/L		UNV	.2 MG/L		UNV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM	.002 MG/L		U												
CALCIUM	228 MG/L		-				239 MG/L		NV	261 MG/L		NV			
CHROMIUM	.02 MG/L		U				.005 MG/L		UNV	.013 MG/L		NV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.01 MG/L		U				.025 MG/L		UNV	.025 MG/L		UNV			
IRON	.005 MG/L		U				.05 MG/L		UNV	2.49 MG/L		NV			
LEAD	.002 MG/L		UJ				.005 MG/L		UNV	.005 MG/L		UNV			
MAGNESIUM	96.8 MG/L		-				97 MG/L		NV	100 MG/L		NV			
MANGANESE	.003 MG/L		-				.02 MG/L		UNV	.053 MG/L		NV			
MERCURY	.0002 MG/L		UJ												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV			
POTASSIUM	3.3 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.01 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV			

SAMPLE NUMBER:	003520			003520			066677			066677			EMGW_SYSGEN_211		
LAB:	IT			IT			WMCO			WMCO			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			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															
SODIUM	34.8 MG/L		-				55.6 MG/L		NV	54.6 MG/L		NV			
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.024 MG/L		NV			
RADIONUCLIDES															
URANIUM-238				7.1 PCI/L	1	J							9.3 PCI/L		NV
URANIUM, TOTAL				19 UG/L	3	-							27.9 UG/L		NV
URANIUM-234				6.9 PCI/L	1	J							8.09 PCI/L		NV
THORIUM-230				1 PCI/L		UJ							3.34 PCI/L		NV
RADIUM-226				1 PCI/L		UJ							1 PCI/L		UNV
URANIUM-235/236				1 PCI/L		UJ							.555 PCI/L		NV
THORIUM-232				1 PCI/L	.5	J							.58 PCI/L		UNV
THORIUM, TOTAL				9 UG/L	4	J							5.3 UG/L		UNV
RADIUM-228				3 PCI/L		U							3 PCI/L		UNV
THORIUM-228				1.4 PCI/L	.6	J							.58 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		U									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA													565 PCI/L		NV
GROSS BETA													490 PCI/L		NV
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_211	EMGW_SYSGEN_211	003949	003949	GW930105-1
TASK:	GWMON	GWMON	3.2.4	3.2.4	RCRA
LAB:	NET	NET	IT	IT	CORE
WELL OR BORING NUMBER:	1081	1081	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-MAY-90	24-MAY-90	05-FEB-89	05-FEB-89	05-JAN-93
NORTH COORDINATE:	482041.23	482041.23	482011.44	482011.44	482011.44
EAST COORDINATE:	1379003.75	1379003.75	1379087.2	1379087.2	1379087.2
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				34 MG/L		NV				19 MG/L		-			
FLUORIDE				.53 MG/L		NV				.72 MG/L		J			
NITRATE				9.31 MG/L		NV				.1 MG/L		UJ			
NITRATE, AS NITROGEN				9.31 MG/L		NV									
PHENOLS				.005 MG/L		UNV				.014 MG/L		R			
PHOSPHORUS										.65 MG/L		J			
SULFATE				403 MG/L		NV				211 MG/L		-			
TOTAL KJELDAHL NITROGEN										.532 MG/L		J			
TOTAL ORGANIC CARBON				35 MG/L		NV									
TOTAL ORGANIC HALIDES										.05 MG/L		U			
TOTAL ORGANIC HALOGENS				.025 MG/L		NV									
TOTAL ORGANIC NITROGEN										.532 MG/L		-			
INORGANICS															
ALUMINUM	.138 MG/L		NV	4.35 MG/L		NV									
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	.077 MG/L		-						
BERYLLIUM	.01 MG/L		UNV	.01 MG/L		UNV									
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.011 MG/L		-						
CALCIUM	162 MG/L		NV	304 MG/L		NV	143 MG/L		-						
CHROMIUM				.005 MG/L		UNV	.039 MG/L		-						
COBALT	.025 MG/L		UNV	.025 MG/L		UNV									
COPPER	.029 MG/L		NV	.033 MG/L		NV	.018 MG/L		-						
CYANIDE				.005 MG/L		UNV									
IRON	.05 MG/L		UNV	5.76 MG/L		NV	.062 MG/L		-						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.002 MG/L		UJ						
MAGNESIUM	26 MG/L		NV	102 MG/L		NV	72.8 MG/L		-						
MANGANESE	.02 MG/L		UNV	.109 MG/L		NV	.01 MG/L		-						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0012 MG/L		-						

SAMPLE NUMBER:	EMGW_SYSGEN_211			EMGW_SYSGEN_211			003949			003949			GW930105-1		
LAB:	NET			NET			IT			IT			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															
MOLYBDENUM	.025 MG/L		UNV	.025 MG/L		UNV	.02 MG/L		U						
NICKEL	.005 MG/L		UNV	.007 MG/L		NV	.034 MG/L		-						
POTASSIUM	2.41 MG/L		NV	4.04 MG/L		NV	2.01 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	.0005 MG/L		U						
SODIUM	13.4 MG/L		NV	51.9 MG/L		NV	15.4 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									
No sort code listed.															
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				.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										270 PCI/L	40	-			
URANIUM, TOTAL										810 UG/L	133	-	605 UG/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_211			EMGW_SYSGEN_211			003949			003949			GW930105-1		
LAB:	NET			NET			IT			IT			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															
URANIUM-234										55.1 PCI/L	8.9	-			
THORIUM-230										1 PCI/L		U	.5 PCI/L	.2	NV
RADIUM-226										1 PCI/L		U	1 PCI/L	.3	UNV
URANIUM-235/236										5 PCI/L	1.4	-			
THORIUM-232										1 PCI/L		U	.3 PCI/L	.2	NV
THORIUM, TOTAL										8 UG/L		U	2.6 UG/L		NV
RADIUM-228										3 PCI/L		UJ	3 PCI/L	1	UNV
THORIUM-228										1 PCI/L		U	.2 PCI/L	.1	UNV
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		UJ	273 PCI/L	11.1	NV
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA													131 PCI/L	9.2	NV
GROSS BETA													235 PCI/L	7.3	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									
ANTHRACENE				4 UG/L		UNV									
BENZO(A)ANTHRACENE				4 UG/L		UNV									
BENZO(A)PYRENE				4 UG/L		UNV									

SAMPLE NUMBER:	EMGW_SYSGEN_211			EMGW_SYSGEN_211			003949			003949			GW930105-1		
LAB:	NET			NET			IT			IT			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)
SEMIVOLATILES															
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				.014 MG/L		R			
PYRENE				4 UG/L		UNV									
PYRIDINE				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 (TOTA				1 UG/L		UNV									
1,2-DICHLOROPROPANE				1 UG/L		UNV									
2-BUTANONE				2 UG/L		UNV									

0013369

001370

SAMPLE NUMBER:	EMGW_SYSGEN_211	EMGW_SYSGEN_211	003949	003949	GW930105-1
LAB:	NET	NET	IT	IT	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															
2-HEXANONE				2 UG/L		UNV									
4-METHYL-2-PENTANONE				2 UG/L		UNV									
ACETONE				2.1 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									
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:	GW930105-1	GW930105-1	GW930105-1	EMGW_SYSGEN_225	EMGW_SYSGEN_225
TASK:	RCRA	RCRA	RCRA	GWMON	GWMON
LAB:	FERMCO Laboratory	NET	NET	IT	NET
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-JAN-93	05-JAN-93	05-JAN-93	06-FEB-91	06-FEB-91
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
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							449 MG/L		NV						
ALLYL CHLORIDE							5 UG/L		UNV						
AMMONIA							.13 MG/L		NV						
BICARBONATE ALKALINITY							384 MG/L		NV						
CARBONATE ALKALINITY							3 MG/L		UNV						
CHLORIDE							42 MG/L		NV						
FLUORIDE							.58 MG/L		NV						
NITRATE							.04 MG/L		NV						
NITRITE, AS NITROGEN							.02 MG/L		UNV						
PH							7.44 SU		NV						
PHENOLS							.01 MG/L		UNV						
PHOSPHORUS							.1 MG/L		UNV						
SPECIFIC CONDUCTIVITY							1200 UMHOS/CM		NV						
SULFATE							170 MG/L		NV						
TOTAL DISSOLVED SOLIDS				659 MG/L		NV									
TOTAL ORGANIC CARBON							19 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
TOTAL SOLIDS							712 MG/L		NV						
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	.22 MG/L		NV				.274 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				.001 MG/L		UNV
CALCIUM				140 MG/L		NV	135 MG/L		NV				153 MG/L		NV
CHROMIUM				.002 MG/L		UNV	.0038 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						

001371

6416

SAMPLE NUMBER:	GW930105-1			GW930105-1			GW930105-1			EMGW_SYSGEN_225			EMGW_SYSGEN_225		
LAB:	FERMCO Laboratory			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				.1 MG/L		UNV	.34 MG/L		NV				.05 MG/L		UNV
LEAD				.003 MG/L		UNV	.003 MG/L		UNV				.005 MG/L		UNV
MAGNESIUM				66.5 MG/L		NV	63.2 MG/L		NV				51 MG/L		NV
MANGANESE				.015 MG/L		UNV	.015 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	.01 MG/L		UNV				.025 MG/L		UNV
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV				.005 MG/L		UNV
POTASSIUM							1.9 MG/L		NV				2.32 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							20 MG/L		NV				21.3 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	.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-238										213 PCI/L		NV			
URANIUM, TOTAL	600 UG/L		NV							553 UG/L		NV			
URANIUM-234										46.4 PCI/L		NV			
THORIUM-230										.762 PCI/L		NV			
RADIUM-226										1 PCI/L		UNV			
URANIUM-235/236										4.97 PCI/L		NV			
THORIUM-232										1.69 PCI/L		NV			
THORIUM, TOTAL										15.3 UG/L		NV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										.57 PCI/L		UNV			
NEPTUNIUM-237										.5 PCI/L		UNV			

SAMPLE NUMBER:	GW930105-1	GW930105-1	GW930105-1	EMGW_SYSGEN_225	EMGW_SYSGEN_225
LAB:	FERMCO Laboratory	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															
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										8.1 PCI/L		UNV			
GROSS ALPHA										251 PCI/L		NV			
GROSS BETA										300 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						
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						

SAMPLE NUMBER:	GW930105-1			GW930105-1			GW930105-1			EMGW_SYSGEN_225			EMGW_SYSGEN_225		
LAB:	FERMCO Laboratory			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															
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:	EMGW_SYSGEN_225			EMGW_SYSGEN_227			EMGW_SYSGEN_227			EMGW_SYSGEN_227			066559		
TASK:	GWMON			GWMON			GWMON			GWMON			9.25		
LAB:	NET			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	1082			1082			1082			1082			1082		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-FEB-91			10-JUL-91			10-JUL-91			10-JUL-91			11-SEP-89		
NORTH COORDINATE:	482011.44			482011.44			482011.44			482011.44			482011.44		
EAST COORDINATE:	1379087.2			1379087.2			1379087.2			1379087.2			1379087.2		
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	461 MG/L		NV				550 MG/L		NV						
AMMONIA	.03 MG/L		NV				.02 MG/L		UNV						
CHLORIDE	47 MG/L		NV				41 MG/L		NV				49 MG/L		J
FLUORIDE	.69 MG/L		NV				.47 MG/L		NV				.58 MG/L		J
NITRATE	.02 MG/L		UNV				.02 MG/L		UNV				.132 MG/L		-
NITRATE, AS NITROGEN	.02 MG/L		UNV				.02 MG/L		UNV						
PH	7.38 SU		NV				7.17 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS	.46 MG/L		NV				.1 MG/L		UNV						
SPECIFIC CONDUCTIVITY	1240 UMHOS/CM		NV				1210 UMHOS/CM		NV						
SULFATE	255 MG/L		NV				263 MG/L		NV				195 MG/L		J
TOTAL DISSOLVED SOLIDS	972 MG/L		NV				866 MG/L		NV						
TOTAL ORGANIC CARBON	17 MG/L		NV				19 MG/L		NV				2.49 MG/L		J
TOTAL ORGANIC HALIDES													.021 MG/L		-
TOTAL ORGANIC HALOGENS	.034 MG/L		NV				.013 MG/L		NV						
INORGANICS															
ALUMINUM	4.96 MG/L		NV	.2 MG/L		UNV	.31 MG/L		NV						
ANTIMONY	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV						
ARSENIC	.005 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV						
BARIUM	.339 MG/L		NV	.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	181 MG/L		NV	168 MG/L		NV	140 MG/L		NV						
CHROMIUM	.02 MG/L		NV				.002 MG/L		UNV						
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						
IRON	14.1 MG/L		NV	.1 MG/L		UNV	.36 MG/L		NV						
LEAD	.005 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM	86 MG/L		NV	61 MG/L		NV	84 MG/L		NV						

SAMPLE NUMBER:	EMGW_SYSGEN_225			EMGW_SYSGEN_227			EMGW_SYSGEN_227			EMGW_SYSGEN_227			066559		
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															
MANGANESE	.246 MG/L		NV	.015 MG/L		UNV	.015 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	.023 MG/L		NV	.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM	3.66 MG/L		NV	1.9 MG/L		NV	1.9 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	21.6 MG/L		NV	22 MG/L		NV	23 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	.043 MG/L		NV	.033 MG/L		NV	.035 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													154 PCI/L	22	-
URANIUM, TOTAL										660 UG/L		NV	467 UG/L	64	-
URANIUM-234													33.5 PCI/L	5.4	-
THORIUM-230													1 PCI/L		U
URANIUM-235/236													3.7 PCI/L	1.1	-
THORIUM-228													1 PCI/L		U
TECHNETIUM-99													30 PCI/L		U
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						
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV						
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_225			EMGW_SYSGEN_227			EMGW_SYSGEN_227			EMGW_SYSGEN_227			066559		
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															
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 1 WELLS

SAMPLE NUMBER:	066598	066598	EMGW_SYSGEN_224	EMGW_SYSGEN_224	EMGW_SYSGEN_224
TASK:	9.25	9.25	GWMON	GWMON	GWMON
LAB:	IT	IT	IT	NET	NET
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-SEP-89	11-SEP-89	12-NOV-90	12-NOV-90	12-NOV-90
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
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															
ALKALINITY AS CACO3													327 MG/L		NV
AMMONIA													.12 MG/L		NV
CHLORIDE													37 MG/L		NV
FLUORIDE													.61 MG/L		NV
NITRATE/NITRITE													.02 MG/L		UNV
PH				10 UG/L		U							6.63 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.16 MG/L		NV
SPECIFIC CONDUCTIVITY													1310 UMHOS/CM		NV
SULFATE													191 MG/L		NV
SULFIDE				.5 MG/L		U									
TOTAL DISSOLVED SOLIDS													1140 MG/L		NV
TOTAL ORGANIC CARBON													11 MG/L		NV
TOTAL ORGANIC HALOGENS													.023 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															
ALUMINUM	.208 MG/L		-							.5 MG/L		UNV	1.71 MG/L		NV
ANTIMONY	.03 MG/L		U							.025 MG/L		UNV	.025 MG/L		UNV
ARSENIC	.002 MG/L		U							.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM	.102 MG/L		-							.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.0015 MG/L		U							.01 MG/L		UNV	.01 MG/L		UNV

SAMPLE NUMBER:	066598			066598			EMGW_SYSGEN_224			EMGW_SYSGEN_224			EMGW_SYSGEN_224		
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															
CADMIUM	.0105 MG/L		-							.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	176 MG/L		-							92.3 MG/L		NV	95.1 MG/L		NV
CHROMIUM	.0374 MG/L		-										.024 MG/L		NV
COBALT	.01 MG/L		U							.025 MG/L		UNV	.025 MG/L		UNV
COPPER	.01 MG/L		U							.025 MG/L		UNV	.025 MG/L		UNV
CYANIDE				.005 MG/L		U							.005 MG/L		UNV
IRON	.102 MG/L		-							.05 MG/L		UNV	3.9 MG/L		NV
LEAD	.002 MG/L		U							.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM	79.1 MG/L		-							15 MG/L		NV	53 MG/L		NV
MANGANESE	.0133 MG/L		-							.02 MG/L		UNV	.106 MG/L		NV
MERCURY	.0002 MG/L		U							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.025 MG/L		UNV	.025 MG/L		UNV
NICKEL	.0274 MG/L		-							.005 MG/L		UNV	.006 MG/L		NV
OSMIUM	.05 MG/L		UR												
POTASSIUM	1.77 MG/L		-							2.34 MG/L		NV	2.71 MG/L		NV
SELENIUM	.002 MG/L		UJ							.0025 MG/L		UNV	.0025 MG/L		UNV
SILVER	.0149 MG/L		-							.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	18.7 MG/L		-							8.8 MG/L		NV	18.9 MG/L		NV
THALLIUM	.001 MG/L		U							.01 MG/L		UNV	.01 MG/L		UNV
TIN	.03 MG/L		UR												
VANADIUM	.0303 MG/L		-							.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.0214 MG/L		-							.024 MG/L		NV	.029 MG/L		NV
No sort code listed.															
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									
5-NITRO-O-TOLUIDINE				20 UG/L		U									
7,12-DIMETHYLBENZ(A)ANTHRAC				20 UG/L		U									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066598			066598			EMGW_SYSGEN_224			EMGW_SYSGEN_224			EMGW_SYSGEN_224		
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)
No sort code listed.															
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									
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				20 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									
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

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066598			066598			EMGW_SYSGEN_224			EMGW_SYSGEN_224			EMGW_SYSGEN_224		
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)
ORGANOPHOSPHORUS PESTICIDES															
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									
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							181 PCI/L		NV						
URANIUM, TOTAL							687 UG/L		NV						
URANIUM-234							38.4 PCI/L		NV						
THORIUM-230							.83 PCI/L		UNV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							3.01 PCI/L		NV						

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SAMPLE NUMBER:	066598			066598			EMGW_SYSGEN_224			EMGW_SYSGEN_224			EMGW_SYSGEN_224		
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)
RADIONUCLIDES															
THORIUM-232							.83 PCI/L		UNV						
THORIUM, TOTAL							7.5 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.83 PCI/L		UNV						
NEPTUNIUM-237							.5 PCI/L		UNV						
PLUTONIUM-239/240							.5 PCI/L		UNV						
PLUTONIUM-238							.5 PCI/L		UNV						
TECHNETIUM-99							53.9 PCI/L		NV						
RUTHENIUM-106							150 PCI/L		UNV						
CESIUM-137							6.6 PCI/L		UNV						
GROSS ALPHA							140 PCI/L		NV						
GROSS BETA							251 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		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-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		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									

SAMPLE NUMBER:	066598			066598			EMGW_SYSGEN_224			EMGW_SYSGEN_224			EMGW_SYSGEN_224		
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)
SEMIVOLATILES															
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									
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							.005 MG/L		UNV
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

061363

6416

SAMPLE NUMBER:	066598			066598			EMGW_SYSGEN_224			EMGW_SYSGEN_224			EMGW_SYSGEN_224		
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-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				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				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 1 WELLS

SAMPLE NUMBER:	GW930413-11	GW930413-11	GW930413-11	GW930413-11	066434
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	9.25
LAB:	CORE	CORE	NET	NET	IT
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-APR-93	13-APR-93	13-APR-93	13-APR-93	13-JUN-89
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
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										400 MG/L		-			
AMMONIA										.02 MG/L		UR			
BICARBONATE ALKALINITY										494 MG/L		-			
CARBONATE ALKALINITY										3 MG/L		U			
CHLORIDE										45 MG/L		-			
FLUORIDE										.49 MG/L		-			
NITRATE/NITRITE										.02 MG/L		U			
PH										7.33 SU		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.1 MG/L		UR			
SPECIFIC CONDUCTIVITY										1040 UMHOS/CM		-			
SULFATE										142 MG/L		-			
TOTAL DISSOLVED SOLIDS							724 MG/L		-						
TOTAL KJELDAHL NITROGEN										.22 MG/L		-			
TOTAL ORGANIC CARBON										15 MG/L		J			
TOTAL ORGANIC HALOGENS										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.22 MG/L		-			
TOTAL SOLIDS										740 MG/L		-			
INORGANICS															
ALUMINUM							.02 MG/L		U	.0755 MG/L		U	.295 MG/L		-
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		U			
BARIUM							.0886 MG/L		-	.0879 MG/L		-	.0899 MG/L		-
BERYLLIUM							.001 MG/L		U	.001 MG/L		U	.001 MG/L		U
CADMIUM							.003 MG/L		UJ	.003 MG/L		U			
CALCIUM							130 MG/L		-	135 MG/L		-	160 MG/L		-
CHROMIUM							.005 MG/L		U	.005 MG/L		U	.042 MG/L		-
COBALT							.008 MG/L		U	.008 MG/L		U	.01 MG/L		U
COPPER							.0137 MG/L		U	.0047 MG/L		U	.01 MG/L		U
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			

SAMPLE NUMBER:	GW930413-11			GW930413-11			GW930413-11			GW930413-11			066434		
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							.086 MG/L		U	.0466 MG/L		U	.28 MG/L		-
LEAD							.001 MG/L		UJ	.001 MG/L		UJ	.002 MG/L		U
MAGNESIUM							53.2 MG/L		-	57.1 MG/L		-	79.5 MG/L		-
MANGANESE							.001 MG/L		U	.001 MG/L		U			
MERCURY							.001 MG/L		U	.0002 MG/L		U			
NICKEL							.02 MG/L		U	.02 MG/L		U	.0267 MG/L		-
POTASSIUM							1.25 MG/L		-	1.02 MG/L		-			
SELENIUM							.001 MG/L		U	.001 MG/L		UJ			
SILVER							.007 MG/L		U	.007 MG/L		U	.0154 MG/L		-
SODIUM							17.6 MG/L		-	18.3 MG/L		-			
THALLIUM							.002 MG/L		UJ	.002 MG/L		UJ			
VANADIUM							.003 MG/L		U	.003 MG/L		U	.0308 MG/L		-
ZINC							.0321 MG/L		U	.007 MG/L		U	.0794 MG/L		-
RADIONUCLIDES															
URANIUM-238	229 PCI/L	108	J	241 PCI/L	160	J									
URANIUM, TOTAL	687 UG/L	48.1	J	753 UG/L	52.7	-									
URANIUM-234	41.5 PCI/L	20.8	J	44.3 PCI/L	31.5	J									
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.2	UJ	1 PCI/L	.3	UJ									
URANIUM-235/236	3.9 PCI/L	2.9	J	4.4 PCI/L	4.7	J									
THORIUM-232	.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	1.2	U	3 PCI/L	1.2	U									
THORIUM-228	.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ									
TECHNETIUM-99	81.4 PCI/L	10.6	J	81.4 PCI/L	10.6	J									
GROSS ALPHA	155 PCI/L	10.4	NV	249 PCI/L	12.2	NV									
GROSS BETA	308 PCI/L	8.5	NV	309 PCI/L	8.1	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		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			
BROMOFORM										10 UG/L		U			
BROMOMETHANE										10 UG/L		U			

SAMPLE NUMBER:	GW930413-11			GW930413-11			GW930413-11			GW930413-11			066434		
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															
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:	066434	EMGW_SYSGEN_221	EMGW_SYSGEN_221	EMGW_SYSGEN_221	003209
TASK:	9.25	GWMON	GWMON	GWMON	3.2.4
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-JUN-89	15-FEB-90	15-FEB-90	15-FEB-90	19-MAY-88
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
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															
CHLORIDE	38 MG/L		-							33 MG/L		NV			
FLUORIDE	.86 MG/L		-							.87 MG/L		NV			
NITRATE	.24 MG/L		J							.05 MG/L		NV			
NITRATE, AS NITROGEN										.05 MG/L		NV			
PHENOLS										.005 MG/L		UNV			
SULFATE	271 MG/L		-							166 MG/L		NV			
TOTAL ORGANIC CARBON	3.759 MG/L		-							2 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		UJ												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
ALUMINUM							.108 MG/L		NV	.936 MG/L		NV			
ARSENIC							.0025 MG/L		UNV	.0025 MG/L		UNV	.2 MG/L		U
BARIUM							.2 MG/L		UNV	.2 MG/L		UNV	.053 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM													.005 MG/L		U
CALCIUM							163 MG/L		NV	143 MG/L		NV	129.8 MG/L		-
CHROMIUM										.008 MG/L		NV	.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							.062 MG/L		NV	.911 MG/L		NV	.12 MG/L		-
LEAD							.005 MG/L		UNV	.005 MG/L		UNV	.05 MG/L		U
MAGNESIUM							71 MG/L		NV	69 MG/L		NV	69 MG/L		-
MANGANESE							.02 MG/L		UNV	.031 MG/L		NV	.02 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.043 MG/L		-
NICKEL							.005 MG/L		UNV	.005 MG/L		NV	.02 MG/L		U
POTASSIUM													2.33 MG/L		-
SELENIUM													.2 MG/L		U
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.01 MG/L		U
SODIUM							31.4 MG/L		NV	26.8 MG/L		NV	14.7 MG/L		-

SAMPLE NUMBER:	066434			EMGW_SYSGEN_221			EMGW_SYSGEN_221			EMGW_SYSGEN_221			003209		
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															
VANADIUM							.05 MG/L		UNV	.05 MG/L		UNV			
ZINC							.02 MG/L		UNV	.02 MG/L		UNV			
RADIONUCLIDES															
URANIUM-238	222 PCI/L	41	-	207 PCI/L		NV									
URANIUM, TOTAL	501 UG/L	82	-	617 UG/L		NV									
URANIUM-234	43.3 PCI/L	9.1	-	49.2 PCI/L		NV									
THORIUM-230	1 PCI/L		U	1 PCI/L		UNV									
RADIUM-226	1.1 PCI/L	.3	J												
URANIUM-235/236	5.9 PCI/L	2.1	-												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	1.7 PCI/L	.9	-	1 PCI/L		UNV									
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	16 PCI/L		UNV									
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
URANIUM-235	5.9 PCI/L	2.1	-	4.8 PCI/L		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 UG/L		UNV			
1,1-DICHLOROETHENE	5 UG/L		U												
1,2-DICHLOROETHANE	5 UG/L		U							1 UG/L		UNV			
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							2 UG/L		UNV			
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	5 UG/L		U												
CHLOROMETHANE	10 UG/L		U												
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												

6416

SAMPLE NUMBER:	066434			EMGW_SYSGEN_221			EMGW_SYSGEN_221			EMGW_SYSGEN_221			003209		
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															
ETHYLBENZENE	5 UG/L		UJ												
METHYLENE CHLORIDE	7 UG/L		U							1 UG/L		UNV			
STYRENE	5 UG/L		UJ												
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												
TRICHLOROETHENE	5 UG/L		U							1 UG/L		UNV			
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:	003209	003765	003765	EMGW_SYSGEN_223	EMGW_SYSGEN_223
TASK:	3.2.4	3.2.4	3.2.4	GWMON	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAY-88	20-NOV-88	20-NOV-88	21-AUG-90	21-AUG-90
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
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		J				.1 MG/L		UJ						
CHLORIDE	23.8 MG/L		J				2 MG/L		-						
FLUORIDE	1.1 MG/L		-				1.25 MG/L		-						
NITRATE	.2 MG/L		-				.1 MG/L		U						
PHENOLS	.01 MG/L		U				.01 MG/L		U						
PHOSPHORUS	.12 MG/L		-				3.79 MG/L		-						
SULFATE	298 MG/L		-				510 MG/L		-						
TOTAL KJELDAHL NITROGEN							.99 MG/L		J						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN	.1 MG/L		J				.99 MG/L		J						
INORGANICS															
ALUMINUM													.5 MG/L		UNV
ANTIMONY													.025 MG/L		UNV
ARSENIC				.002 MG/L		UJ							.0025 MG/L		UNV
BARIUM				.044 MG/L		-							.2 MG/L		UNV
BERYLLIUM													.01 MG/L		UNV
CADMIUM				.002 MG/L		U							.001 MG/L		UNV
CALCIUM				129 MG/L		-							157 MG/L		NV
CHROMIUM				.02 MG/L		U									
COBALT													.025 MG/L		UNV
COPPER				.01 MG/L		U							.025 MG/L		UNV
IRON				.015 MG/L		J							.05 MG/L		UNV
LEAD				.002 MG/L		U							.005 MG/L		UNV
MAGNESIUM				65 MG/L		-							66.8 MG/L		NV
MANGANESE				.008 MG/L		-							.02 MG/L		UNV
MERCURY				.0002 MG/L		U							.0002 MG/L		UNV
MOLYBDENUM				.033 MG/L		-							.025 MG/L		UNV
NICKEL				.02 MG/L		U							.005 MG/L		UNV
POTASSIUM				2.42 MG/L		-							2.42 MG/L		NV
SELENIUM				.002 MG/L		J							.0025 MG/L		UNV

SAMPLE NUMBER:	003209			003765			003765			EMGW_SYSGEN_223			EMGW_SYSGEN_223		
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															
SILVER				.0005 MG/L		U							.001 MG/L		UNV
SODIUM				13.3 MG/L		-							17.3 MG/L		NV
THALLIUM													.01 MG/L		UNV
VANADIUM													.05 MG/L		UNV
ZINC													.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	374 PCI/L	61	-				463 PCI/L	84	J	187 PCI/L		NV			
URANIUM, TOTAL	1437 UG/L	228	-				1079 UG/L	175	J	632 UG/L		NV			
URANIUM-234	71.6 PCI/L	13	-				84 PCI/L	16	J	37.7 PCI/L		NV			
THORIUM-230	2.7 PCI/L	.6	-				.6 PCI/L		UJ	.756 PCI/L		NV			
RADIUM-226	1 PCI/L		U				1 PCI/L		UJ	1 PCI/L		UNV			
URANIUM-235/236	6.7 PCI/L	2	-				7.2 PCI/L	2.4	J	3.61 PCI/L		NV			
THORIUM-232	6 PCI/L	1	-				1 PCI/L		UJ	.285 PCI/L		NV			
THORIUM, TOTAL	54.7201339 PCI/L		NV				5.2 UG/L		UJ	2.85 UG/L		NV			
RADIUM-228	3.5 PCI/L	1.2	J				3 PCI/L	.1	UJ	3 PCI/L		UNV			
THORIUM-228	1 PCI/L		U				1.1 PCI/L	.4	J	.5 PCI/L		NV			
NEPTUNIUM-237	1 PCI/L		U				.6 PCI/L		UJ						
PLUTONIUM-239/240	1 PCI/L		U				.5 PCI/L		UJ						
PLUTONIUM-238	1 PCI/L		U				.5 PCI/L		UJ						
STRONTIUM-90	5 PCI/L		U				1.2 PCI/L		UJ						
TECHNETIUM-99	67.6 PCI/L	22.7	J				26 PCI/L		UJ						
RUTHENIUM-106	150 PCI/L		R				90 PCI/L		R						
CESIUM-137	20 PCI/L		R				12 PCI/L		R						
GROSS ALPHA										320 PCI/L		NV			
GROSS BETA										295 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_223	066678	066679	066679	EMGW_SYSGEN_228
TASK:	GWMON	9.27	9.27	9.27	GWMON
LAB:	NET	IT	WMCO	WMCO	NET
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-AUG-90	21-NOV-89	21-NOV-89	21-NOV-89	21-OCT-91
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	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															
CHLORIDE	34 MG/L		NV							39 MG/L		NV			
FLUORIDE	.7 MG/L		NV							.76 MG/L		NV			
NITRATE	.02 MG/L		UNV							.38 MG/L		NV			
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PHENOLS	.005 MG/L		UNV							.005 MG/L		UNV			
SULFATE	240 MG/L		NV							213 MG/L		NV			
TOTAL ORGANIC CARBON	5 MG/L		NV							3 MG/L		NV			
TOTAL ORGANIC HALIDES										.01 MG/L		UNV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
ALUMINUM	.92 MG/L		NV				.609 MG/L		NV	16 MG/L		NV	.46 MG/L		NV
ANTIMONY	.025 MG/L		UNV										.02 MG/L		UNV
ARSENIC	.0025 MG/L		UNV				.0025 MG/L		UNV	.006 MG/L		NV	.005 MG/L		UNV
BARIUM	.2 MG/L		UNV				.2 MG/L		UNV	.341 MG/L		NV	.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.001 MG/L		UNV										.001 MG/L		UNV
CALCIUM	181 MG/L		NV				157 MG/L		NV	198 MG/L		NV	149 MG/L		NV
CHROMIUM	.006 MG/L		NV				.005 MG/L		UNV	.026 MG/L		NV			
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	.04 MG/L		NV	.02 MG/L		UNV
IRON	1.15 MG/L		NV				.362 MG/L		NV	18.5 MG/L		NV	.88 MG/L		NV
LEAD	.005 MG/L		UNV				.005 MG/L		UNV	.007 MG/L		NV	.003 MG/L		UNV
MAGNESIUM	81.6 MG/L		NV				71.8 MG/L		NV	86 MG/L		NV	62 MG/L		NV
MANGANESE	.033 MG/L		NV				.058 MG/L		NV	.304 MG/L		NV	.035 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				.006 MG/L		NV	.032 MG/L		NV	.01 MG/L		UNV
POTASSIUM	2.48 MG/L		NV										2.9 MG/L		NV
SELENIUM	.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

SAMPLE NUMBER:	EMGW_SYSGEN_223			066678			066679			066679			EMGW_SYSGEN_228		
LAB:	NET			IT			WMCO			WMCO			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			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															
SODIUM	19 MG/L		NV				28.9 MG/L		NV	28.6 MG/L		NV	19 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				.023 MG/L		NV	.073 MG/L		NV	.051 MG/L		NV
RADIONUCLIDES															
URANIUM-238				194 PCI/L	33	R									
URANIUM, TOTAL				465 UG/L	67	R									
URANIUM-234				41.3 PCI/L	7.7	R									
THORIUM-230				1.83 PCI/L	.76	R									
URANIUM-235/236				6.17 PCI/L	1.78	R									
THORIUM-228				1 PCI/L		R									
TECHNETIUM-99				30 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							2.5 UG/L		UNV			
1,1-DICHLOROETHENE	1 UG/L		UNV												
1,2-DICHLOROETHANE	1 UG/L		UNV							2.5 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												
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												

SAMPLE NUMBER:	EMGW_SYSGEN_223			066678			066679			066679			EMGW_SYSGEN_228		
LAB:	NET			IT			WMCO			WMCO			NET		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			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)
VOLATILES															
VINYL CHLORIDE	1 UG/L		UNV												
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_228	EMGW_SYSGEN_228	003521	EMGW_SYSGEN_222	EMGW_SYSGEN_222
TASK:	GWMON	GWMON	3.2.4	GWMON	GWMON
LAB:	NET	WMCO	IT	IT	NET
WELL OR BORING NUMBER:	1082	1082	1082	1082	1082
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-OCT-91	21-OCT-91	22-AUG-88	24-MAY-90	24-MAY-90
NORTH COORDINATE:	482011.44	482011.44	482011.44	482011.44	482011.44
EAST COORDINATE:	1379087.2	1379087.2	1379087.2	1379087.2	1379087.2
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)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	479 MG/L		NV												
AMMONIA	.37 MG/L		NV												
CHLORIDE	40 MG/L		NV												
FLUORIDE	.72 MG/L		NV												
NITRATE, AS NITROGEN	.03 MG/L		NV												
PH	7.1 SU		NV												
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	2.14 MG/L		NV												
SPECIFIC CONDUCTIVITY	1230 UMHOS/CM		NV												
SULFATE	297 MG/L		NV												
TOTAL DISSOLVED SOLIDS	646 MG/L		NV												
TOTAL ORGANIC CARBON	39 MG/L		NV												
TOTAL ORGANIC HALOGENS	.035 MG/L		NV												
INORGANICS															
ALUMINUM	4.98 MG/L		NV										.194 MG/L		NV
ANTIMONY	.02 MG/L		UNV										.025 MG/L		UNV
ARSENIC	.005 MG/L		UNV										.0025 MG/L		UNV
BARIUM	.2 MG/L		UNV										.2 MG/L		UNV
BERYLLIUM	.005 MG/L		UNV										.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV										.001 MG/L		UNV
CALCIUM	209 MG/L		NV										165 MG/L		NV
CHROMIUM	.0575 MG/L		NV												
COBALT	.0087 MG/L		NV										.025 MG/L		UNV
COPPER	.027 MG/L		NV										.027 MG/L		NV
CYANIDE	.005 MG/L		UNV												
IRON	8.41 MG/L		NV										.109 MG/L		NV
LEAD	.0062 MG/L		NV										.005 MG/L		UNV
MAGNESIUM	97 MG/L		NV										52 MG/L		NV
MANGANESE	.208 MG/L		NV										.02 MG/L		UNV
MERCURY	.0002 MG/L		UNV										.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_228			EMGW_SYSGEN_228			003521			EMGW_SYSGEN_222			EMGW_SYSGEN_222		
LAB:	NET			WMCO			IT			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															
MOLYBDENUM	.01 MG/L		UNV										.025 MG/L		UNV
NICKEL	.064 MG/L		NV										.005 MG/L		UNV
POTASSIUM	4.3 MG/L		NV										5.9 MG/L		NV
SELENIUM	.005 MG/L		UNV										.0025 MG/L		UNV
SILVER	.001 MG/L		UNV										.001 MG/L		UNV
SODIUM	20 MG/L		NV										18.6 MG/L		NV
THALLIUM	.01 MG/L		UNV										.01 MG/L		UNV
VANADIUM	.05 MG/L		UNV										.05 MG/L		UNV
ZINC	.085 MG/L		NV										.02 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							434 PCI/L	71	J	.2 PCI/L		UNV			
URANIUM, TOTAL				660 UG/L		NV	1300 UG/L	200	-	.54 UG/L		UNV			
URANIUM-234							81.1 PCI/L	14	J	.256 PCI/L		NV			
THORIUM-230							1 PCI/L		UJ	4.31 PCI/L		NV			
RADIUM-226							1 PCI/L		UJ	1 PCI/L		UNV			
URANIUM-235/236							8.3 PCI/L	2.2	J	.2 PCI/L		UNV			
THORIUM-232							1 PCI/L		UJ	1.61 PCI/L		NV			
THORIUM, TOTAL							4 UG/L		UJ	14.5 UG/L		NV			
RADIUM-228							3 PCI/L		U	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		UJ	1.42 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						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										301 PCI/L		NV			
GROSS BETA										303 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												

SAMPLE NUMBER:	EMGW_SYSGEN_228			EMGW_SYSGEN_228			003521			EMGW_SYSGEN_222			EMGW_SYSGEN_222		
LAB:	NET			WMCO			IT			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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_222	003950	003950	EMGW_SYSGEN_236	EMGW_SYSGEN_236
TASK:	GWMON	3.2.4	3.2.4	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	1082	1083	1083	1083	1083
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-MAY-90	05-FEB-89	05-FEB-89	05-FEB-91	05-FEB-91
NORTH COORDINATE:	482011.44	481804.99	481804.99	481804.99	481804.99
EAST COORDINATE:	1379087.2	1379240.05	1379240.05	1379240.05	1379240.05
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							.103 MG/L		-						
CHLORIDE	31 MG/L		NV				37.5 MG/L		-						
FLUORIDE	.92 MG/L		NV				.24 MG/L		J						
NITRATE	.02 MG/L		NV				4.37 MG/L		J						
NITRATE, AS NITROGEN	.02 MG/L		NV												
PHENOLS	.005 MG/L		UNV				.01 MG/L		R						
PHOSPHORUS							.02 MG/L		J						
SULFATE	19 MG/L		NV				153 MG/L		-						
TOTAL KJELDAHL NITROGEN							.1 MG/L		UJ						
TOTAL ORGANIC CARBON	33 MG/L		NV												
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC HALOGENS	.031 MG/L		NV												
TOTAL ORGANIC NITROGEN							.1 MG/L		UJ						
INORGANICS															
ALUMINUM	36.8 MG/L		NV										.5 MG/L		UNV
ANTIMONY	.025 MG/L		UNV										.025 MG/L		UNV
ARSENIC	.011 MG/L		NV	.002 MG/L		U							.0025 MG/L		UNV
BARIUM	.356 MG/L		NV	.085 MG/L		-							.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV										.01 MG/L		UNV
CADMIUM	.001 MG/L		UNV	.011 MG/L		-							.001 MG/L		UNV
CALCIUM	300 MG/L		NV	155 MG/L		-							106 MG/L		NV
CHROMIUM	.055 MG/L		NV	.039 MG/L		-									
COBALT	.025 MG/L		UNV										.025 MG/L		UNV
COPPER	.064 MG/L		NV	.02 MG/L		-							.025 MG/L		UNV
CYANIDE	.005 MG/L		UNV												
IRON	29.7 MG/L		NV	.073 MG/L		-							.05 MG/L		UNV
LEAD	.01 MG/L		NV	.002 MG/L		UJ							.005 MG/L		UNV
MAGNESIUM	101 MG/L		NV	51.2 MG/L		-							36.9 MG/L		NV
MANGANESE	.537 MG/L		NV	.04 MG/L		-							.068 MG/L		NV
MERCURY	.0002 MG/L		UNV	.0004 MG/L		-							.0002 MG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_222			003950			003950			EMGW_SYSGEN_236			EMGW_SYSGEN_236		
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															
MOLYBDENUM	.025 MG/L		UNV	.02 MG/L		U							.025 MG/L		UNV
NICKEL	.058 MG/L		NV	.028 MG/L		-							.005 MG/L		UNV
POTASSIUM	25.5 MG/L		NV	.749 MG/L		J							1 MG/L		UNV
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	18.4 MG/L		NV	20.2 MG/L		-							24 MG/L		NV
THALLIUM	.01 MG/L		UNV										.01 MG/L		UNV
VANADIUM	.136 MG/L		NV										.05 MG/L		UNV
ZINC	.089 MG/L		NV										.02 MG/L		UNV
No sort code listed.															
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	.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							32.7 PCI/L	4.3	-	39 PCI/L		NV			
URANIUM, TOTAL							109 UG/L	18	-	105 UG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_222			003950			003950			EMGW_SYSGEN_236			EMGW_SYSGEN_236		
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															
URANIUM-234							8.6 PCI/L	1.4	-	10.3 PCI/L		NV			
THORIUM-230							1.4 PCI/L	.5	-	.43 PCI/L		UNV			
RADIUM-226							1 PCI/L		U	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U	.77 PCI/L		NV			
THORIUM-232							1 PCI/L		U	1.12 PCI/L		NV			
THORIUM, TOTAL							5 UG/L		U	10.1 UG/L		NV			
RADIUM-228							3 PCI/L		UJ	3 PCI/L		UNV			
THORIUM-228							1 PCI/L		U	1.89 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						
TECHNETIUM-99							30 PCI/L		UJ	133 PCI/L		NV			
RUTHENIUM-106							150 PCI/L		R	150 PCI/L		UNV			
CESIUM-137							20 PCI/L		R	10 PCI/L		UNV			
GROSS ALPHA										71.5 PCI/L		NV			
GROSS BETA										161 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												
ANTHRACENE	4 UG/L		UNV												
BENZO(A)ANTHRACENE	4 UG/L		UNV												
BENZO(A)PYRENE	4 UG/L		UNV												

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SAMPLE NUMBER:	EMGW_SYSGEN_222			003950			003950			EMGW_SYSGEN_236			EMGW_SYSGEN_236		
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															
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				.01 MG/L		R						
PYRENE	4 UG/L		UNV												
PYRIDINE	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												

SAMPLE NUMBER:	EMGW_SYSGEN_222			003950			003950			EMGW_SYSGEN_236			EMGW_SYSGEN_236		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_236	GW930105-2	GW930105-2	GW930105-2	GW930105-2
TASK:	GWMON	RCRA	RCRA	RCRA	RCRA
LAB:	NET	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	1083	1083	1083	1083	1083
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-FEB-91	05-JAN-93	05-JAN-93	05-JAN-93	05-JAN-93
NORTH COORDINATE:	481804.99	481804.99	481804.99	481804.99	481804.99
EAST COORDINATE:	1379240.05	1379240.05	1379240.05	1379240.05	1379240.05
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	389 MG/L		NV										347 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA	.05 MG/L		NV										.02 MG/L		UNV
BICARBONATE ALKALINITY													378 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE	61 MG/L		NV										46 MG/L		NV
FLUORIDE	.26 MG/L		NV										.32 MG/L		NV
NITRATE	1.47 MG/L		NV										.27 MG/L		NV
NITRATE, AS NITROGEN	1.47 MG/L		NV												
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH	7.26 SU		NV										7.16 SU		NV
PHENOLS	.005 MG/L		UNV										.01 MG/L		UNV
PHOSPHORUS	.4 MG/L		NV										.1 MG/L		UNV
SPECIFIC CONDUCTIVITY	1030 UMHOS/CM		NV										1050 UMHOS/CM		NV
SULFATE	160 MG/L		NV										163 MG/L		NV
TOTAL DISSOLVED SOLIDS	642 MG/L		NV							582 MG/L		NV			
TOTAL ORGANIC CARBON	19 MG/L		NV										17 MG/L		NV
TOTAL ORGANIC HALIDES													.01 MG/L		UNV
TOTAL ORGANIC HALOGENS	.012 MG/L		NV												
TOTAL SOLIDS													575 MG/L		NV
INORGANICS															
ALUMINUM	6.7 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	.0025 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.43 MG/L		NV							.2 MG/L		UNV	.21 MG/L		NV
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	171 MG/L		NV							124 MG/L		NV	106 MG/L		NV
CHROMIUM	.035 MG/L		NV							.002 MG/L		UNV	.0031 MG/L		NV
COBALT	.025 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_236			GW930105-2			GW930105-2			GW930105-2			GW930105-2		
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															
COPPER	.025 MG/L		UNV							.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.005 MG/L		UNV										.005 MG/L		UNV
IRON	21 MG/L		NV							.1 MG/L		UNV	.22 MG/L		NV
LEAD	.005 MG/L		UNV							.003 MG/L		UNV	.003 MG/L		UNV
MAGNESIUM	59 MG/L		NV							39.9 MG/L		NV	35.1 MG/L		NV
MANGANESE	.501 MG/L		NV							.019 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							.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.03 MG/L		NV							.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM	3.48 MG/L		NV										1 MG/L		UNV
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	29.2 MG/L		NV										28 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							.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										1 UG/L		UNV
TRANS-1,4-DICHLORO-2-BUTENE													20 UG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL				157 UG/L		NV	130 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	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
TECHNETIUM-99				77.5 PCI/L	7.1	NV									
GROSS ALPHA				32.6 PCI/L	4.5	NV									

SAMPLE NUMBER:	EMGW_SYSGEN_236			GW930105-2			GW930105-2			GW930105-2			GW930105-2		
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															
GROSS BETA				85.8 PCI/L	4.5	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	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
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										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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_234			EMGW_SYSGEN_234			EMGW_SYSGEN_234			EMGW_SYSGEN_233			EMGW_SYSGEN_233		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			IT			NET		
WELL OR BORING NUMBER:	1083			1083			1083			1083			1083		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-AUG-90			06-AUG-90			06-AUG-90			07-MAY-90			07-MAY-90		
NORTH COORDINATE:	481804.99			481804.99			481804.99			481804.99			481804.99		
EAST COORDINATE:	1379240.05			1379240.05			1379240.05			1379240.05			1379240.05		
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							58 MG/L		NV						
FLUORIDE							.43 MG/L		NV						
NITRATE, AS NITROGEN							.64 MG/L		NV						
PHENOLS							.005 MG/L		UNV						
SULFATE							134 MG/L		NV						
TOTAL ORGANIC CARBON							5 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.5 MG/L		UNV	29.7 MG/L		NV				.05 MG/L		UNV
ANTIMONY				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
ARSENIC				.0025 MG/L		UNV	.025 MG/L		NV				.0025 MG/L		UNV
BARIUM				.214 MG/L		NV	.516 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				77.2 MG/L		NV	275 MG/L		NV				139 MG/L		NV
CHROMIUM							.088 MG/L		NV						
COBALT				.025 MG/L		UNV	.025 MG/L		UNV				.025 MG/L		UNV
COPPER				.025 MG/L		UNV	.058 MG/L		NV				.025 MG/L		UNV
IRON				.05 MG/L		UNV	96 MG/L		NV				.05 MG/L		UNV
LEAD				.005 MG/L		UNV	.026 MG/L		NV				.005 MG/L		UNV
MAGNESIUM				42.4 MG/L		NV	118 MG/L		NV				33 MG/L		NV
MANGANESE				.089 MG/L		NV	1.68 MG/L		NV				.046 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	.066 MG/L		NV				.005 MG/L		UNV
POTASSIUM				1.28 MG/L		NV	17 MG/L		NV				.88 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				25.2 MG/L		NV	29.6 MG/L		NV				20.1 MG/L		NV
THALLIUM				.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV

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SAMPLE NUMBER:	EMGW_SYSGEN_234			EMGW_SYSGEN_234			EMGW_SYSGEN_234			EMGW_SYSGEN_233			EMGW_SYSGEN_233		
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															
VANADIUM				.05 MG/L		UNV	.084 MG/L		NV				.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.148 MG/L		NV				.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	34.8 PCI/L		NV							2.29 PCI/L		NV			
URANIUM, TOTAL	94.1 UG/L		NV							128 UG/L	17.1	NV			
URANIUM-234	20 PCI/L		NV							2.74 PCI/L		NV			
THORIUM-230	.8 PCI/L		UNV							.687 PCI/L		NV			
RADIUM-226	1 PCI/L		UNV							1 PCI/L		UNV			
URANIUM-235/236	.974 PCI/L		NV							.2 PCI/L		UNV			
THORIUM-232	.8 PCI/L		UNV							.44 PCI/L		UNV			
THORIUM, TOTAL	7.2 UG/L		UNV							4 UG/L		UNV			
RADIUM-228	3 PCI/L		UNV							24 PCI/L		UNV			
THORIUM-228	1.61 PCI/L		NV							.982 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										452 PCI/L		NV			
RUTHENIUM-106										150 PCI/L		UNV			
CESIUM-137										10 PCI/L		UNV			
GROSS ALPHA										.0868 PCI/L	.0234	NV			
GROSS BETA										.173 PCI/L	.033	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_234			EMGW_SYSGEN_234			EMGW_SYSGEN_234			EMGW_SYSGEN_233			EMGW_SYSGEN_233		
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															
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:	EMGW_SYSGEN_233			EMGW_SYSGEN_238			EMGW_SYSGEN_238			EMGW_SYSGEN_238			003171		
TASK:	GWMON			GWMON			GWMON			GWMON			3.2.4		
LAB:	NET			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	1083			1083			1083			1083			1083		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-MAY-90			09-JUL-91			09-JUL-91			09-JUL-91			09-MAY-88		
NORTH COORDINATE:	481804.99			481804.99			481804.99			481804.99			481804.99		
EAST COORDINATE:	1379240.05			1379240.05			1379240.05			1379240.05			1379240.05		
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							361 MG/L		NV						
AMMONIA							.05 MG/L		NV						
CHLORIDE	51 MG/L		NV				55 MG/L		NV						
FLUORIDE	.54 MG/L		NV				.3 MG/L		NV						
NITRATE, AS NITROGEN	1.32 MG/L		NV				.33 MG/L		NV						
PH	4 UG/L		UNV				7.14 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS							.55 MG/L		NV						
SPECIFIC CONDUCTIVITY							976 UMHOS/CM		NV						
SULFATE	132 MG/L		NV				136 MG/L		NV						
TOTAL DISSOLVED SOLIDS							572 MG/L		NV						
TOTAL ORGANIC CARBON	4 MG/L		NV				4 MG/L		NV						
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.024 MG/L		NV						
INORGANICS															
ALUMINUM	12.1 MG/L		NV	.2 MG/L		UNV	7 MG/L		NV				.0474 MG/L		-
ANTIMONY	.025 MG/L		UNV	.02 MG/L		UNV	.02 MG/L		UNV				.0467 MG/L		U
ARSENIC	.007 MG/L		NV	.005 MG/L		UNV	.005 MG/L		UNV				.0019 MG/L		U
BARIUM	.242 MG/L		NV	.2 MG/L		UNV	.24 MG/L		NV				.0738 MG/L		-
BERYLLIUM	.01 MG/L		UNV	.05 MG/L		UNV	.05 MG/L		UNV				.0024 MG/L		U
CADMIUM	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV				.0007 MG/L		U
CALCIUM	172 MG/L		NV	108 MG/L		NV	174 MG/L		NV				157 MG/L		-
CHROMIUM	.028 MG/L		NV				.002 MG/L		UNV				.0017 MG/L		U
COBALT	.025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV				.0052 MG/L		U
COPPER	.043 MG/L		NV	.02 MG/L		UNV	.02 MG/L		UNV				.0067 MG/L		U
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON	4.87 MG/L		NV	.1 MG/L		UNV	16.2 MG/L		NV				.0773 MG/L		-
LEAD	.007 MG/L		NV	.005 MG/L		UNV	.0103 MG/L		NV				.0021 MG/L		U
MAGNESIUM	88 MG/L		NV	43 MG/L		NV	59 MG/L		NV				47 MG/L		-
MANGANESE	.491 MG/L		NV	.051 MG/L		NV	.503 MG/L		NV				.0627 MG/L		-
MERCURY	.0002 MG/L		UNV	.0002 MG/L		UNV	.0002 MG/L		UNV				.0002 MG/L		UNV

SAMPLE NUMBER:	EMGW_SYSGEN_233			EMGW_SYSGEN_238			EMGW_SYSGEN_238			EMGW_SYSGEN_238			003171		
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															
MOLYBDENUM	.025 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV				.0333 MG/L		U
NICKEL	.028 MG/L		NV	.01 MG/L		UNV	.04 MG/L		NV				.0123 MG/L		U
POTASSIUM	25.1 MG/L		NV	1.1 MG/L		NV	3.4 MG/L		NV				.786 MG/L		-
SELENIUM	.0025 MG/L		UNV	.005 MG/L		UNV	.005 MG/L		UNV				.0018 MG/L		U
SILVER	.001 MG/L		UNV	.001 MG/L		UNV	.001 MG/L		UNV				.0043 MG/L		U
SODIUM	24.1 MG/L		NV	29 MG/L		NV	30 MG/L		NV				17.1 MG/L		-
THALLIUM	.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV				.0041 MG/L		UJ
VANADIUM	.065 MG/L		NV	.05 MG/L		UNV	.05 MG/L		UNV				.0034 MG/L		U
ZINC	.062 MG/L		NV	.021 MG/L		NV	.151 MG/L		NV				.0269 MG/L		-
No sort code listed.															
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												
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										79 UG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_233			EMGW_SYSGEN_238			EMGW_SYSGEN_238			EMGW_SYSGEN_238			003171		
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)
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												
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												

SAMPLE NUMBER:	EMGW_SYSGEN_233			EMGW_SYSGEN_238			EMGW_SYSGEN_238			EMGW_SYSGEN_238			003171		
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)
SEMIVOLATILES															
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						
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_233			EMGW_SYSGEN_238			EMGW_SYSGEN_238			EMGW_SYSGEN_238			003171		
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															
TOLUENE	1 UG/L		UNV				1.5 UG/L		NV						
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 1 WELLS

SAMPLE NUMBER:	003171			EMGW_SYSGEN_235			EMGW_SYSGEN_235			EMGW_SYSGEN_235			066516		
TASK:	3.2.4			GWMON			GWMON			GWMON			9.25		
LAB:	IT			IT			NET			NET			IT		
WELL OR BORING NUMBER:	1083			1083			1083			1083			1083		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-MAY-88			11-NOV-90			11-NOV-90			11-NOV-90			13-AUG-89		
NORTH COORDINATE:	481804.99			481804.99			481804.99			481804.99			481804.99		
EAST COORDINATE:	1379240.05			1379240.05			1379240.05			1379240.05			1379240.05		
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										291 MG/L		NV			
AMMONIA	.3 MG/L		J							.11 MG/L		NV			
CHLORIDE	31.4 MG/L		-							67 MG/L		NV			
FLUORIDE	.41 MG/L		-							.3 MG/L		NV			
NITRATE	.3 MG/L		-							2.23 MG/L		NV			
NITRATE/NITRITE										2.23 MG/L		NV			
PH	10 UG/L		UJ							6.7 SU		NV			
PHENOLS	.01 MG/L		U							.005 MG/L		UNV			
PHOSPHORUS	.19 MG/L		-							.27 MG/L		NV			
SPECIFIC CONDUCTIVITY										1020 UMHOS/CM		NV			
SULFATE	185 MG/L		-							134 MG/L		NV			
TOTAL DISSOLVED SOLIDS										878 MG/L		NV			
TOTAL ORGANIC CARBON										8 MG/L		NV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	3.4 MG/L		-												
INORGANICS															
ALUMINUM							.5 MG/L		UNV	6.4 MG/L		NV	.1815 MG/L		-
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.0025 MG/L		UNV	.009 MG/L		NV			
BARIUM							.2 MG/L		UNV	.209 MG/L		NV	.0859 MG/L		-
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV	.0019 MG/L		U
CADMIUM							.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM							37.1 MG/L		NV	148 MG/L		NV	165.5 MG/L		-
CHROMIUM										.005 MG/L		UNV	.0331 MG/L		-
COBALT							.025 MG/L		UNV	.025 MG/L		UNV	.01 MG/L		U
COPPER							.025 MG/L		UNV	.029 MG/L		NV	.01 MG/L		U
CYANIDE	.01 MG/L		UNV							.005 MG/L		UNV			
IRON							.129 MG/L		NV	1.57 MG/L		NV	.0613 MG/L		-
LEAD							.005 MG/L		UNV	.017 MG/L		NV	.003 MG/L		-
MAGNESIUM							15.5 MG/L		NV	99 MG/L		NV	51.9 MG/L		-

SAMPLE NUMBER:	003171			EMGW_SYSGEN_235			EMGW_SYSGEN_235			EMGW_SYSGEN_235			066516		
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															
MANGANESE							.111 MG/L		NV	.566 MG/L		NV			
MERCURY							.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL							.009 MG/L		NV	.051 MG/L		NV	.0234 MG/L		-
POTASSIUM							1.01 MG/L		NV	4.13 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV	.0134 MG/L		-
SODIUM							6.7 MG/L		NV	26.3 MG/L		NV			
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.074 MG/L		NV	.0249 MG/L		-
ZINC							.02 MG/L		UNV	.077 MG/L		NV	.0259 MG/L		-
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 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												
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												
ENDOSULFAN SULFATE	.5 UG/L		UJ												

SAMPLE NUMBER:	003171			EMGW_SYSGEN_235			EMGW_SYSGEN_235			EMGW_SYSGEN_235			066516		
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)
PESTICIDES															
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	34 PCI/L	5.6	-	32.6 PCI/L		NV									
URANIUM, TOTAL	94 UG/L	17	-	103 UG/L		NV									
URANIUM-234	8.7 PCI/L	1.9	-	8.74 PCI/L		NV									
THORIUM-230	1 PCI/L		U	.46 PCI/L		UNV									
RADIUM-226	1 PCI/L		U	1 PCI/L		UNV									
URANIUM-235/236	1 PCI/L		U	.857 PCI/L		NV									
THORIUM-232	1 PCI/L		U	.46 PCI/L		UNV									
THORIUM, TOTAL				4.1 UG/L		UNV									
RADIUM-228	3 PCI/L		R	3 PCI/L		UNV									
THORIUM-228	1 PCI/L		U	.46 PCI/L		UNV									
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	266 PCI/L		NV									
RUTHENIUM-106	150 PCI/L		R	150 PCI/L		UNV									
CESIUM-137	20 PCI/L		R	9.2 PCI/L		UNV									
GROSS ALPHA				61.1 PCI/L		NV									
GROSS BETA				185 PCI/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		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-CHLOROETHYLVINYL ETHE										10 UG/L		UNV			
2-CHLORONAPHTHALENE	10 UG/L		UJ												

SAMPLE NUMBER:	003171			EMGW_SYSGEN_235			EMGW_SYSGEN_235			EMGW_SYSGEN_235			066516		
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)
SEMIVOLATILES															
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	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												

SAMPLE NUMBER:	003171			EMGW_SYSGEN_235			EMGW_SYSGEN_235			EMGW_SYSGEN_235			066516		
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)
SEMIVOLATILES															
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							.005 MG/L		UNV			
PYRENE	10 UG/L		UJ												
VOLATILES															
1,1,1-TRICHLOROETHANE	5 UG/L		UJ							1 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE	5 UG/L		UJ							1 UG/L		UNV			
1,1,2-TRICHLOROETHANE	5 UG/L		UJ							1 UG/L		UNV			
1,1-DICHLOROETHANE	5 UG/L		UJ							1 UG/L		UNV			
1,1-DICHLOROETHENE	5 UG/L		UJ							1 UG/L		UNV			
1,2-DICHLOROETHANE	5 UG/L		UJ							1 UG/L		UNV			
1,2-DICHLOROETHENE (TOTAL)	5 UG/L		UJ							1 UG/L		UNV			
1,2-DICHLOROPROPANE	5 UG/L		UJ							1 UG/L		UNV			
2-BUTANONE	10 UG/L		UJ							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		UJ							2 UG/L		UNV			
BENZENE	5 UG/L		UJ							1 UG/L		UNV			
BROMODICHLOROMETHANE	5 UG/L		UJ							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		UJ							1 UG/L		UNV			
CARBON TETRACHLORIDE	5 UG/L		UJ							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		UJ							1 UG/L		UNV			
CHLOROMETHANE	15 UG/L		UJ							1 UG/L		UNV			
CIS-1,3-DICHLOROPROPENE	5 UG/L		UJ							1 UG/L		UNV			
DIBROMOCHLOROMETHANE	5 UG/L		UJ							1 UG/L		UNV			
ETHYLBENZENE	5 UG/L		UJ							1 UG/L		UNV			
METHYLENE CHLORIDE	5 UG/L		UJ							1 UG/L		UNV			
STYRENE	5 UG/L		UJ							1 UG/L		UNV			
TETRACHLOROETHENE	5 UG/L		UJ							1 UG/L		UNV			
TOLUENE	5 UG/L		UJ							1 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UJ							1 UG/L		UNV			
TRICHLOROETHENE	5 UG/L		UJ							1 UG/L		UNV			
VINYL ACETATE	10 UG/L		UJ							2 UG/L		UNV			
VINYL CHLORIDE	10 UG/L		UJ							1 UG/L		UNV			
XYLENES, TOTAL	5 UG/L		UJ							1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066516	GW930416-1	GW930416-1	GW930416-1	GW930416-1
TASK:	9.25	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1083	1083	1083	1083	1083
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-AUG-89	16-APR-93	16-APR-93	16-APR-93	16-APR-93
NORTH COORDINATE:	481804.99	481804.99	481804.99	481804.99	481804.99
EAST COORDINATE:	1379240.05	1379240.05	1379240.05	1379240.05	1379240.05
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													360 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													450 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE	61.5 MG/L		-										49 MG/L		-
FLUORIDE	.35 MG/L		-										.4 MG/L		-
NITRATE	2.27 MG/L		-										.19 MG/L		U
NITRATE/NITRITE													.19 MG/L		U
PH													7.4 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.07 MG/L		-
SPECIFIC CONDUCTIVITY													970 UMHOS/CM		-
SULFATE	153 MG/L		J										100 MG/L		-
TOTAL DISSOLVED SOLIDS										600 MG/L		-			
TOTAL KJELDAHL NITROGEN													.1 MG/L		-
TOTAL ORGANIC CARBON	1 MG/L		U										1 MG/L		UJ
TOTAL ORGANIC HALIDES	.012 MG/L		-										.01 MG/L		UJ
TOTAL SOLIDS													620 MG/L		-
INORGANICS															
ALUMINUM										.0265 MG/L		U	.188 MG/L		-
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.001 MG/L		U	.001 MG/L		U
BARIUM										.0646 MG/L		-	.0683 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										126 MG/L		-	131 MG/L		-
CHROMIUM										.018 MG/L		U	.0207 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:	066516			GW930416-1			GW930416-1			GW930416-1			GW930416-1		
LAB:	IT			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															
IRON										.0724 MG/L		U	.38 MG/L		UJ
LEAD										.001 MG/L		UJ	.0032 MG/L		UJ
MAGNESIUM										38.8 MG/L		-	40.3 MG/L		-
MANGANESE										.0104 MG/L		U	.0248 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.019 MG/L		U	.019 MG/L		U
POTASSIUM										.891 MG/L		U	.829 MG/L		-
SELENIUM										.002 MG/L		UJ	.002 MG/L		UR
SILVER										.003 MG/L		UJ	.003 MG/L		UJ
SODIUM										26 MG/L		-	27.1 MG/L		-
THALLIUM										.001 MG/L		UJ	.001 MG/L		UJ
VANADIUM										.004 MG/L		U	.004 MG/L		U
ZINC										.006 MG/L		U	.006 MG/L		U
RADIONUCLIDES															
URANIUM-238	36.1 PCI/L	5.1	-	45.3 PCI/L	6.1	J	42.7 PCI/L	3.8	J						
URANIUM, TOTAL	75 UG/L	14	-	145 UG/L	10.1	J	142 UG/L	9.9	-						
URANIUM-234	10.9 PCI/L	1.9	-	9.9 PCI/L	1.6	J	10.4 PCI/L	1.1	J						
THORIUM-230	2.9 PCI/L	.7	-	.3 PCI/L	.2	J	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.2	UJ	1 PCI/L	.3	U						
URANIUM-235/236	1 PCI/L		U	.7 PCI/L	.4	J	1.4 PCI/L	.3	J						
THORIUM-232				.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
THORIUM, TOTAL				1.82401488 PCI/L	.1	NV									
RADIUM-228				10.4 PCI/L	1.7	-	3 PCI/L	1	U						
THORIUM-228	4.3 PCI/L	.9	-	.2 PCI/L	.1	UJ	.3 PCI/L	.1	UJ						
TECHNETIUM-99	542 PCI/L	65	-	51.1 PCI/L	9.4	-	109 PCI/L	10.4	R						
GROSS ALPHA				37.5 PCI/L	5.3	NV	56.5 PCI/L	6.3	NV						
GROSS BETA				90.2 PCI/L	4.8	NV	83.5 PCI/L	5.2	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	5 UG/L		U										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										10 UG/L		U
BENZENE													10 UG/L		U
BROMODICHLOROMETHANE													10 UG/L		U
BROMOFORM													10 UG/L		U

SAMPLE NUMBER:	066516			GW930416-1			GW930416-1			GW930416-1			GW930416-1		
LAB:	IT			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		UJ
CIS-1,3-DICHLOROPROPENE													10 UG/L		U
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE	5 UG/L		U										10 UG/L		U
STYRENE													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													10 UG/L		U
TRICHLOROETHENE	5 UG/L		U										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:	GW930416-1	GW930416-1	EMGW_SYSGEN_232	EMGW_SYSGEN_232	EMGW_SYSGEN_232
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	FERMCO	FERMCO	IT	NET	NET
WELL OR BORING NUMBER:	1083	1083	1083	1083	1083
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-APR-93	16-APR-93	16-FEB-90	16-FEB-90	16-FEB-90
NORTH COORDINATE:	481804.99	481804.99	481804.99	481804.99	481804.99
EAST COORDINATE:	1379240.05	1379240.05	1379240.05	1379240.05	1379240.05
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													47 MG/L		NV
FLUORIDE													.32 MG/L		NV
NITRATE, AS NITROGEN													1.09 MG/L		NV
PHENOLS													.005 MG/L		UNV
SULFATE													139 MG/L		NV
TOTAL ORGANIC CARBON													1 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
ALUMINUM										.05 MG/L		UNV	.449 MG/L		NV
ARSENIC										.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM										.2 MG/L		UNV	.268 MG/L		NV
BERYLLIUM										.01 MG/L		UNV	.01 MG/L		UNV
CALCIUM										150 MG/L		NV	157 MG/L		NV
CHROMIUM													.006 MG/L		NV
COBALT										.025 MG/L		UNV	.025 MG/L		UNV
COPPER										.025 MG/L		UNV	.025 MG/L		UNV
IRON										.054 MG/L		NV	.443 MG/L		NV
LEAD										.005 MG/L		UNV	.005 MG/L		UNV
MAGNESIUM										49 MG/L		NV	44.4 MG/L		NV
MANGANESE										.039 MG/L		NV	.07 MG/L		NV
NICKEL										.005 MG/L		UNV	.005 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM										32.7 MG/L		NV	33.2 MG/L		NV
VANADIUM										.05 MG/L		UNV	.05 MG/L		UNV
ZINC										.02 MG/L		UNV	.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238							41 PCI/L		NV						
URANIUM, TOTAL	150 UG/L		NV	150 UG/L		NV	123 UG/L		NV						

SAMPLE NUMBER:	GW930416-1			GW930416-1			EMGW_SYSGEN_232			EMGW_SYSGEN_232			EMGW_SYSGEN_232		
LAB:	FERMCO			FERMCO			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-234							9.6 PCI/L		NV						
THORIUM-230							1 PCI/L		UNV						
THORIUM-228							1 PCI/L		UNV						
TECHNETIUM-99							229 PCI/L		NV						
URANIUM-235							1 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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_232			066433			066433			003763			003763		
TASK:	GWMON			9.25			9.25			3.2.4			3.2.4		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1083			1083			1083			1083			1083		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-FEB-90			18-JUN-89			18-JUN-89			20-NOV-88			20-NOV-88		
NORTH COORDINATE:	481804.99			481804.99			481804.99			481804.99			481804.99		
EAST COORDINATE:	1379240.05			1379240.05			1379240.05			1379240.05			1379240.05		
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															
AMMONIA													.1 MG/L		J
CHLORIDE							58 MG/L		-				44.8 MG/L		-
FLUORIDE							.3 MG/L		-				.35 MG/L		-
NITRATE							3.29 MG/L		J				9.41 MG/L		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													.069 MG/L		-
SULFATE							146 MG/L		-				127 MG/L		-
TOTAL KJELDAHL NITROGEN													.98 MG/L		J
TOTAL ORGANIC CARBON							2.76 MG/L		UJ						
TOTAL ORGANIC HALIDES							.0198 MG/L		J				.05 MG/L		U
TOTAL ORGANIC NITROGEN													.88 MG/L		J
INORGANICS															
ALUMINUM				.192 MG/L		-									
ARSENIC										.002 MG/L		UJ			
BARIUM				.0846 MG/L		-				.083 MG/L		-			
BERYLLIUM				.001 MG/L		U									
CADMIUM										.002 MG/L		U			
CALCIUM				160 MG/L		-				141 MG/L		-			
CHROMIUM				.0397 MG/L		-				.02 MG/L		U			
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.102 MG/L		-				.006 MG/L		J			
LEAD				.002 MG/L		U				.002 MG/L		U			
MAGNESIUM				51.5 MG/L		-				43.5 MG/L		-			
MANGANESE										.054 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.026 MG/L		-			
NICKEL				.02 MG/L		U				.02 MG/L		U			
POTASSIUM										1.41 MG/L		-			
SELENIUM										.002 MG/L		UJ			

001325

6416

SAMPLE NUMBER:	EMGW_SYSGEN_232			066433			066433			003763			003763		
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															
SILVER				.0139 MG/L		-				.0005 MG/L		U			
SODIUM										18.7 MG/L		-			
VANADIUM				.0266 MG/L		-									
ZINC				.0277 MG/L		-									
RADIONUCLIDES															
URANIUM-238	39 PCI/L		NV				36.5 PCI/L	4.7	-				24.7 PCI/L	3.7	-
URANIUM, TOTAL	117 UG/L		NV				114 UG/L	19	-				70 UG/L	11	-
URANIUM-234	44 PCI/L		NV				9.3 PCI/L	1.4	-				5.8 PCI/L	1.2	-
THORIUM-230							1 PCI/L		U				1 PCI/L		U
RADIUM-226													1 PCI/L	.1	U
URANIUM-235/236							1 PCI/L		U				1 PCI/L	.4	U
THORIUM-232													1 PCI/L		U
THORIUM, TOTAL													4 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		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		U
TECHNETIUM-99							549 PCI/L	65	-				316 PCI/L	44	-
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R
URANIUM-235	.68 PCI/L		NV				1 PCI/L		U				1 PCI/L	.4	U
URANIUM-236	.6 PCI/L		NV												
VOLATILES															
1,1-DICHLOROETHANE							2 UG/L		J						
ACETONE							10 UG/L		U						
METHYLENE CHLORIDE							9 UG/L		U						
TETRACHLOROETHENE							5 UG/L		U						
TOLUENE							5 UG/L		U						
TRICHLOROETHENE							29 UG/L		-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066680			066681			066681			066744			066745		
TASK:	9.27			9.27			9.27			9.27			9.27		
LAB:	IT			WMCO			WMCO			IT			WMCO		
WELL OR BORING NUMBER:	1083			1083			1083			1083			1083		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-NOV-89			21-NOV-89			21-NOV-89			21-NOV-89			21-NOV-89		
NORTH COORDINATE:	481804.99			481804.99			481804.99			481804.99			481804.99		
EAST COORDINATE:	1379240.05			1379240.05			1379240.05			1379240.05			1379240.05		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										066680			066681		
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							57 MG/L		NV						
FLUORIDE							.24 MG/L		NV						
NITRATE							2.33 MG/L		NV						
PHENOLS							.005 MG/L		UNV						
SULFATE							143 MG/L		NV						
TOTAL ORGANIC CARBON							2 MG/L		NV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.237 MG/L		NV	6.69 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				133 MG/L		NV	154 MG/L		NV				137 MG/L		NV
CHROMIUM				.005 MG/L		UNV	.008 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				.142 MG/L		NV	1.66 MG/L		NV				.05 MG/L		UNV
LEAD				.005 MG/L		UNV	.005 MG/L		UNV				.005 MG/L		UNV
MAGNESIUM				43.8 MG/L		NV	48.6 MG/L		NV				44.8 MG/L		NV
MANGANESE				.051 MG/L		NV	.073 MG/L		NV				.042 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				12.1 MG/L		NV	16.3 MG/L		NV				13.8 MG/L		NV
VANADIUM				.05 MG/L		UNV	.05 MG/L		UNV				.05 MG/L		UNV
ZINC				.02 MG/L		UNV	.035 MG/L		NV				.02 MG/L		UNV
RADIONUCLIDES															
URANIUM-238	31.4 PCI/L	4.2	R							31.5 PCI/L	4	R			
URANIUM, TOTAL	66 UG/L	10	R							68 UG/L	10	R			

SAMPLE NUMBER:	066680			066681			066681			066744			066745		
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-234	9.36 PCI/L	1.47	R							8.9 PCI/L	1.31	R			
THORIUM-230	1 PCI/L		R							1 PCI/L		R			
URANIUM-235/236	1.09 PCI/L	.37	R							1.19 PCI/L	.34	R			
THORIUM-228	1 PCI/L		R							1 PCI/L		R			
TECHNETIUM-99	398 PCI/L	45	R							1107 PCI/L	149	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 1 WELLS

SAMPLE NUMBER:	066745			003519			003519			EMGW_SYSGEN_239			EMGW_SYSGEN_239		
TASK:	9.27			3.2.4			3.2.4			GWMON			GWMON		
LAB:	WMCO			IT			IT			NET			NET		
WELL OR BORING NUMBER:	1083			1083			1083			1083			1083		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-NOV-89			22-AUG-88			22-AUG-88			22-OCT-91			22-OCT-91		
NORTH COORDINATE:	481804.99			481804.99			481804.99			481804.99			481804.99		
EAST COORDINATE:	1379240.05			1379240.05			1379240.05			1379240.05			1379240.05		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	066681														
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	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							.1 MG/L		UJ				.03 MG/L		NV
CHLORIDE	56 MG/L		NV				32.5 MG/L		-				54 MG/L		NV
FLUORIDE	.29 MG/L		NV				.55 MG/L		J				.35 MG/L		NV
NITRATE	2.25 MG/L		NV				1.6 MG/L		J				.57 MG/L		NV
NITRATE, AS NITROGEN													.57 MG/L		NV
PH	.005 MG/L		NV				.02 MG/L		-				7.08 SU		NV
PHENOLS	.005 MG/L		NV				.02 MG/L		-				.005 MG/L		UNV
PHOSPHORUS							.625 MG/L		J				.13 MG/L		NV
SPECIFIC CONDUCTIVITY													1020 UMHOS/CM		NV
SULFATE	134 MG/L		NV				139 MG/L		J				134 MG/L		NV
TOTAL DISSOLVED SOLIDS													592 MG/L		NV
TOTAL ORGANIC CARBON	2 MG/L		NV										18 MG/L		NV
TOTAL ORGANIC HALIDES	.01 MG/L		UNV				.05 MG/L		U						
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.3 MG/L		J						
INORGANICS															
ALUMINUM	2.17 MG/L		NV							.2 MG/L		UNV	.41 MG/L		NV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.0025 MG/L		UNV	.002 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV
BARIUM	.265 MG/L		NV	.082 MG/L		-				.2 MG/L		UNV	.2 MG/L		UNV
BERYLLIUM	.01 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM				.002 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	147 MG/L		NV	145 MG/L		-				122 MG/L		NV	129 MG/L		NV
CHROMIUM	.005 MG/L		UNV	.02 MG/L		U							.0061 MG/L		NV
COBALT	.025 MG/L		UNV							.005 MG/L		UNV	.005 MG/L		UNV
COPPER	.031 MG/L		NV	.01 MG/L		U				.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE													.005 MG/L		UNV
IRON	2.15 MG/L		NV	.005 MG/L		U				.1 MG/L		UNV	.6 MG/L		NV
LEAD	.005 MG/L		UNV	.002 MG/L		UJ				.003 MG/L		UNV	.003 MG/L		UNV

SAMPLE NUMBER:	066745			003519			003519			EMGW_SYSGEN_239			EMGW_SYSGEN_239		
LAB:	WMCO			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															
MAGNESIUM	47.8 MG/L		NV	48.1 MG/L		-				40 MG/L		NV	43 MG/L		NV
MANGANESE	.108 MG/L		NV	.079 MG/L		-				.015 MG/L		UNV	.028 MG/L		NV
MERCURY				.0002 MG/L		UJ				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM				.02 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.005 MG/L		UNV	.058 MG/L		-				.01 MG/L		UNV	.01 MG/L		UNV
POTASSIUM				2 MG/L		-				1 MG/L		NV	1 MG/L		NV
SELENIUM				.002 MG/L		UJ				.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.001 MG/L		UNV	.01 MG/L		U				.001 MG/L		UNV	.001 MG/L		UNV
SODIUM	19.2 MG/L		NV	22 MG/L		-				27 MG/L		NV	26 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	.031 MG/L		NV							.02 MG/L		UNV	.02 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							27.5 PCI/L	3.6	J						
URANIUM, TOTAL							71 UG/L	11	-						
URANIUM-234							7.6 PCI/L	1.2	J						
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							3 UG/L	2	J						
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		U						
STRONTIUM-90							5 PCI/L		UJ						
TECHNETIUM-99							284 PCI/L	33	-						
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	2.5 UG/L		UNV										1 UG/L		UNV

SAMPLE NUMBER:	066745			003519			003519			EMGW_SYSGEN_239			EMGW_SYSGEN_239		
LAB:	WMCO			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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_239	EMGW_SYSGEN_239D	EMGW_SYSGEN_239D	EMGW_SYSGEN_239D	007164
TASK:	GWMON	GWMON	GWMON	GWMON	3.2
LAB:	WMCO	NET	NET	WMCO	IT
WELL OR BORING NUMBER:	1083	1083	1083	1083	1084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-OCT-91	22-OCT-91	22-OCT-91	22-OCT-91	07-MAR-88
NORTH COORDINATE:	481804.99	481804.99	481804.99	481804.99	481925.26
EAST COORDINATE:	1379240.05	1379240.05	1379240.05	1379240.05	1378934.37
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:		EMGW_SYSGEN_239	EMGW_SYSGEN_239	EMGW_SYSGEN_239	
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							343 MG/L		NV						
AMMONIA							.02 MG/L		UNV						
CHLORIDE							52 MG/L		NV						
FLUORIDE							.35 MG/L		NV						
NITRATE, AS NITROGEN							.62 MG/L		NV						
PH							7.01 SU		NV						
PHENOLS							.005 MG/L		UNV						
PHOSPHORUS							.1 MG/L		UNV						
SPECIFIC CONDUCTIVITY							1010 UMHOS/CM		NV						
SULFATE							126 MG/L		NV						
TOTAL DISSOLVED SOLIDS							660 MG/L		NV						
TOTAL ORGANIC CARBON							19 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM				.2 MG/L		UNV	.38 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				122 MG/L		NV	133 MG/L		NV						
CHROMIUM							.007 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	.58 MG/L		NV						
LEAD				.003 MG/L		UNV	.003 MG/L		UNV						
MAGNESIUM				40 MG/L		NV	43 MG/L		NV						
MANGANESE				.015 MG/L		UNV	.028 MG/L		NV						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						

SAMPLE NUMBER:	EMGW_SYSGEN_239			EMGW_SYSGEN_239D			EMGW_SYSGEN_239D			EMGW_SYSGEN_239D			007164		
LAB:	WMCO			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															
MOLYBDENUM				.01 MG/L		UNV	.01 MG/L		UNV						
NICKEL				.01 MG/L		UNV	.01 MG/L		UNV						
POTASSIUM				1 MG/L		NV	1 MG/L		NV						
SELENIUM				.005 MG/L		UNV	.005 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				27 MG/L		NV	26 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		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
PESTICIDES															
4,4'-DDD													.1 UG/L		R
4,4'-DDE													.1 UG/L		R
4,4'-DDT													.1 UG/L		R
ALDRIN													.05 UG/L		R
ALPHA-BHC													.05 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													1 UG/L		R
AROCLOR-1260													1 UG/L		R
BETA-BHC													.05 UG/L		R
DELTA-BHC													.05 UG/L		R
DIELDRIN													.1 UG/L		R
ENDOSULFAN II													.1 UG/L		R
ENDOSULFAN SULFATE													.1 UG/L		R
ENDOSULFAN-I													.05 UG/L		R
ENDRIN													.1 UG/L		R
ENDRIN KETONE													.1 UG/L		R
GAMMA-BHC (LINDANE)													.05 UG/L		R
GAMMA-CHLORDANE													.5 UG/L		R
HEPTACHLOR													.05 UG/L		R
HEPTACHLOR EPOXIDE													.05 UG/L		R
METHOXYCHLOR													.5 UG/L		R
TOXAPHENE													1 UG/L		R
RADIONUCLIDES															
URANIUM, TOTAL	72 UG/L		NV							76 UG/L		NV			

SAMPLE NUMBER:	EMGW_SYSGEN_239			EMGW_SYSGEN_239D			EMGW_SYSGEN_239D			EMGW_SYSGEN_239D			007164		
LAB:	WMCO			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															
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 1 WELLS

SAMPLE NUMBER:	007164	007164	003960	004040	003772
TASK:	3.2	3.2	3.2.4	3.2.4	3.2.4
LAB:	UNKNOWN	UNKNOWN	IT	IT	IT
WELL OR BORING NUMBER:	1084	1084	1084	1084	1084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAR-88	07-MAR-88	09-MAR-89	09-MAR-89	22-NOV-88
NORTH COORDINATE:	481925.26	481925.26	481925.26	481925.26	481925.26
EAST COORDINATE:	1378934.37	1378934.37	1378934.37	1378934.37	1378934.37
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	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															
ARSENIC													.002 MG/L		U
BARIUM													.123 MG/L		-
CADMIUM													.002 MG/L		U
CALCIUM													146 MG/L		-
CHROMIUM													.02 MG/L		U
COPPER													.01 MG/L		U
IRON													.016 MG/L		-
LEAD													.002 MG/L		UJ
MAGNESIUM													67.5 MG/L		-
MANGANESE													.253 MG/L		-
MERCURY													.0002 MG/L		UJ
MOLYBDENUM													.049 MG/L		U
NICKEL													.044 MG/L		-
POTASSIUM													2.37 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.0005 MG/L		UJ
SODIUM													40.9 MG/L		-
PESTICIDES															
4,4'-DDD	.5 UG/L		U												
4,4'-DDE	2 UG/L		R												
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		R												
AROCLOR-1232	2.5 UG/L		U												
AROCLOR-1242	10 UG/L		R												
AROCLOR-1248	2.5 UG/L		U												
AROCLOR-1254	5 UG/L		U												

SAMPLE NUMBER:	007164			007164			003960			004040			003772		
LAB:	UNKNOWN			UNKNOWN			IT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			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)
PESTICIDES															
AROCLOR-1260	5 UG/L		U												
BETA-BHC	.25 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												
HEPTACHLOR EPOXIDE	.25 UG/L		U												
METHOXYCHLOR	2.5 UG/L		U												
TOXAPHENE	5 UG/L		U												
RADIONUCLIDES															
URANIUM-238							122 PCI/L	17	-	135 PCI/L	17	-			
URANIUM, TOTAL							293 UG/L	48	-	360 UG/L	58	-			
URANIUM-234							27.6 PCI/L	4.3	-	28.5 PCI/L	4.1	-			
THORIUM-230							1 PCI/L		U	1 PCI/L		U			
RADIUM-226							1 PCI/L		U	1 PCI/L		U			
URANIUM-235/236							2.2 PCI/L	.8	-	2.7 PCI/L	.7	-			
THORIUM-232							1 PCI/L		U	1 PCI/L		U			
THORIUM, TOTAL							4 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		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		R			
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:	007164	007164	003960	004040	003772
LAB:	UNKNOWN	UNKNOWN	IT	IT	IT
SUFFIX/FILTERFLAG:	DL-UNF	NONE-UNF	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)
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		UJ									
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		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				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									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003772			EMGW_SYSGEN_242			003566			003566			120482		
TASK:	3.2.4			GWMON			3.2.4			3.2.4			50.03.23		
LAB:	IT			IT			IT			IT			DATACHEM		
WELL OR BORING NUMBER:	1084			1084			1084			1084			1084		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-NOV-88			23-MAR-90			24-AUG-88			24-AUG-88			24-JUL-93		
NORTH COORDINATE:	481925.26			481925.26			481925.26			481925.26			481925.26		
EAST COORDINATE:	1378934.37			1378934.37			1378934.37			1378934.37			1378934.37		
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													460 MG/L		-
AMMONIA	.26 MG/L		J							.2 MG/L		J	.05 MG/L		U
CHLORIDE	.7 MG/L		-							4 MG/L		-	2.6 MG/L		-
FLUORIDE	1.25 MG/L		-							1.6 MG/L		J	1.3 MG/L		-
NITRATE	.23 MG/L		-							.17 MG/L		J	.51 MG/L		J
NITRATE/NITRITE													.51 MG/L		J
PHENOLS	.01 MG/L		U							.01 MG/L		J	.002 MG/L		UJ
PHOSPHORUS	.117 MG/L		-							2.2 MG/L		-	.41 MG/L		-
SULFATE	781 MG/L		J							498 MG/L		J	110 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN	2.65 MG/L		J										.3 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		J
TOTAL ORGANIC HALIDES	.05 MG/L		U							.05 MG/L		UJ	.01 MG/L		UJ
TOTAL ORGANIC NITROGEN	2.39 MG/L		J							.3 MG/L		J	.3 MG/L		U
INORGANICS															
ALUMINUM													7.85 MG/L		-
ANTIMONY													.045 MG/L		U
ARSENIC							.002 MG/L		U				.0039 MG/L		-
BARIUM							.113 MG/L		-				.107 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM							.002 MG/L		U				.003 MG/L		U
CALCIUM							148 MG/L		-				140 MG/L		-
CHROMIUM							.02 MG/L		U				.029 MG/L		-
COBALT													.006 MG/L		U
COPPER							.01 MG/L		U				.0221 MG/L		-
CYANIDE													.01 MG/L		U
IRON							.005 MG/L		U				15.5 MG/L		-
LEAD							.002 MG/L		UJ				.0174 MG/L		J
MAGNESIUM							70.4 MG/L		-				71.8 MG/L		-
MANGANESE							.023 MG/L		-				.433 MG/L		-

SAMPLE NUMBER:	003772			EMGW_SYSGEN_242			003566			003566			120482		
LAB:	IT			IT			IT			IT			DATACHEM		
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															
MERCURY							.0002 MG/L		U				.0002 MG/L		U
MOLYBDENUM							.057 MG/L		-						
NICKEL							.022 MG/L		-				.0477 MG/L		U
POTASSIUM							3.2 MG/L		-				3.96 MG/L		-
SELENIUM							.002 MG/L		UJ				.002 MG/L		UJ
SILVER							.01 MG/L		U				.003 MG/L		UJ
SODIUM							42 MG/L		-				35.6 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.0126 MG/L		-
ZINC													.0756 MG/L		J
RADIONUCLIDES															
URANIUM-238	198 PCI/L	33	-	78.1 PCI/L		NV				262 PCI/L	42	-			
URANIUM, TOTAL	635 UG/L	101	-	233 UG/L		NV				590 UG/L	90	-			
URANIUM-234	44.7 PCI/L	8.2	-	19.4 PCI/L		NV				51.7 PCI/L	9.1	-			
THORIUM-230	1.3 PCI/L	.6	J							2.3 PCI/L	.7	-			
RADIUM-226	1 PCI/L		U							1 PCI/L		UJ			
URANIUM-235/236	5.6 PCI/L	1.7	-	1.9 PCI/L		NV				5.7 PCI/L	1.7	-			
THORIUM-232	1.1 PCI/L	.6	-							1.5 PCI/L	.6	-			
THORIUM, TOTAL	10 UG/L	5	-							14 UG/L	5	-			
RADIUM-228	3.4 PCI/L		UJ							3 PCI/L		U			
THORIUM-228	1.1 PCI/L	.6	J							2 PCI/L	.7	-			
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			
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															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120482F	120483	120483F	120485	120485F
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:	1084	1084	1084	1084	1084
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUL-93	24-JUL-93	24-JUL-93	24-JUL-93	24-JUL-93
NORTH COORDINATE:	481925.26	481925.26	481925.26	481925.26	481925.26
EAST COORDINATE:	1378934.37	1378934.37	1378934.37	1378934.37	1378934.37
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)
INORGANICS															
ALUMINUM	.561 MG/L		-												
ANTIMONY	.045 MG/L		U												
ARSENIC	.0014 MG/L		-												
BARIUM	.0779 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U												
CALCIUM	149 MG/L		-												
CHROMIUM	.0116 MG/L		U												
COBALT	.006 MG/L		U												
COPPER	.0114 MG/L		-												
CYANIDE	.01 MG/L		U												
IRON	.9 MG/L		-												
LEAD	.0044 MG/L		UJ												
MAGNESIUM	70.8 MG/L		-												
MANGANESE	.259 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.0231 MG/L		U												
POTASSIUM	2.16 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.003 MG/L		UJ												
SODIUM	35.4 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.004 MG/L		U												
ZINC	.0238 MG/L		U												
RADIONUCLIDES															
URANIUM-238				25.3 PCI/L	2.4	J	18.1 PCI/L	1.8	J						
URANIUM, TOTAL				79 UG/L	5.5	-	69.1 UG/L	4.8	-	76 UG/L		NV	77 UG/L		
URANIUM-234				6.3 PCI/L	.8	J	5.5 PCI/L	.7	J						
THORIUM-230				1.4 PCI/L	.4	J	.3 PCI/L	.2	J						
RADIUM-226				1 PCI/L	.4	U	1 PCI/L	.4	U						

SAMPLE NUMBER:	120482F			120483			120483F			120485			120485F		
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				.5 PCI/L	.4	J	.7 PCI/L	.4	J						
THORIUM-232				.4 PCI/L	.2	J	.2 PCI/L	.1	UJ						
THORIUM, TOTAL				3.64814264 PCI/L	.2	NV									
RADIUM-228				3 PCI/L	1.1	U	3 PCI/L	1.2	U						
THORIUM-228				.6 PCI/L	.2	J	.2 PCI/L	.1	UJ						
TECHNETIUM-99				15 PCI/L	6.8	U	15 PCI/L	7.2	U						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_248	EMGW_SYSGEN_247	EMGW_SYSGEN_247	020249	020258
TASK:	GWMON	GWMON	GWMON	3.8	3.8
LAB:	WMCO	IT	NET	IT	IT
WELL OR BORING NUMBER:	1085	1085	1085	1085	1085
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-SEP-91	05-MAR-91	05-MAR-91	12-APR-88	13-APR-88
NORTH COORDINATE:	481970.37	481970.37	481970.37	481970.37	481970.37
EAST COORDINATE:	1381739.56	1381739.56	1381739.56	1381739.56	1381739.56
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							378 MG/L		NV						
AMMONIA							.02 MG/L		UNV						
CHLORIDE							14 MG/L		NV						
FLUORIDE							.94 MG/L		NV						
NITRATE							.14 MG/L		NV				.34 MG/L		-
NITRATE, AS NITROGEN							.14 MG/L		NV						
PH							7.48 SU		NV	10 UG/L		U	.01 MG/L		U
PHENOLS							.005 MG/L		UNV				.01 MG/L		U
PHOSPHORUS							.11 MG/L		NV						
SPECIFIC CONDUCTIVITY							961 UMHOS/CM		NV						
SULFATE							280 MG/L		NV						
TOTAL DISSOLVED SOLIDS							579 MG/L		NV						
TOTAL ORGANIC CARBON							12 MG/L		NV						
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
INORGANICS															
ALUMINUM							3.73 MG/L		NV	.05 MG/L		-			
ANTIMONY							.025 MG/L		UNV	.0005 MG/L		U			
ARSENIC							.0025 MG/L		UNV	.005 MG/L		U			
BARIUM							.2 MG/L		UNV	.072 MG/L		R			
BERYLLIUM							.01 MG/L		UNV	.001 MG/L		U			
CADMIUM							.001 MG/L		UNV	.002 MG/L		UJ			
CALCIUM							91.3 MG/L		NV	99 MG/L		J			
CHROMIUM							.046 MG/L		NV	.02 MG/L		UR			
COBALT							.025 MG/L		UNV	.01 MG/L		U			
COPPER							.025 MG/L		UNV	.01 MG/L		UR			
CYANIDE							.02 MG/L		UNV	.01 MG/L		UR			
IRON							4.03 MG/L		NV	.202 MG/L		-			
LEAD							.006 MG/L		NV	.002 MG/L		U			
MAGNESIUM							51 MG/L		NV	52.85 MG/L		J			
MANGANESE							.312 MG/L		NV	.247 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_248			EMGW_SYSGEN_247			EMGW_SYSGEN_247			020249			020258		
LAB:	WMCO			IT			NET			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															
MERCURY							.0002 MG/L		UNV	.0002 MG/L		J			
MOLYBDENUM							.025 MG/L		UNV	.02 MG/L		UNV			
NICKEL							.015 MG/L		NV	.02 MG/L		U			
POTASSIUM							3.36 MG/L		NV	9.45 MG/L		J			
SELENIUM							.0025 MG/L		UNV	.002 MG/L		UJ			
SILVER							.001 MG/L		UNV	.005 MG/L		UJ			
SODIUM							37 MG/L		NV	17.27 MG/L		J			
THALLIUM							.01 MG/L		UNV	.005 MG/L		UJ			
VANADIUM							.05 MG/L		UNV	.01 MG/L		U			
ZINC							.023 MG/L		NV	.01 MG/L		UR			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 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			
RADIONUCLIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_248			EMGW_SYSGEN_247			EMGW_SYSGEN_247			020249			020258		
LAB:	WMCO			IT			NET			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															
URANIUM, TOTAL	4330 UG/L		NV	7230 UG/L		NV							4 UG/L	1	-
URANIUM-234													2.1 PCI/L	.7	-
THORIUM-230				.878 PCI/L		NV							1 PCI/L		UJ
RADIUM-226													1 PCI/L		R
URANIUM-235/236													1 PCI/L		U
THORIUM-232				.2 PCI/L		UNV							1 PCI/L		UJ
THORIUM, TOTAL				1.6 UG/L		UNV									
RADIUM-228													3 PCI/L		R
THORIUM-228				.971 PCI/L		NV							1 PCI/L		UJ
NEPTUNIUM-237				.5 PCI/L		UNV							1 PCI/L		UJ
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
TECHNETIUM-99				18 PCI/L		UNV							30 PCI/L		U
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		R
CESIUM-137				7.7 PCI/L		UNV							20 PCI/L		R
GROSS ALPHA				5430 PCI/L		NV									
GROSS BETA				3110 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										10 UG/L		U			
2,4-DINITROTOLUENE										50 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										10 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			

SAMPLE NUMBER:	EMGW_SYSGEN_248			EMGW_SYSGEN_247			EMGW_SYSGEN_247			020249			020258		
LAB:	WMCO			IT			NET			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															
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										50 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							.005 MG/L		UNV	10 UG/L		U	.01 MG/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			

SAMPLE NUMBER:	EMGW_SYSGEN_248			EMGW_SYSGEN_247			EMGW_SYSGEN_247			020249			020258		
LAB:	WMCO			IT			NET			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															
1,1,2-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		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	3 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			
CHLOROBENZENE							1 UG/L		UNV	5 UG/L		U			
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		U			
METHYLENE CHLORIDE							1 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			
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		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	020258	020262	EMGW_SYSGEN_243	EMGW_SYSGEN_246	EMGW_SYSGEN_246
TASK:	3.8	3.8	GWMON	GWMON	GWMON
LAB:	IT/MWL	IT	IT	IT	NET
WELL OR BORING NUMBER:	1085	1085	1085	1085	1085
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-APR-88	14-APR-88	15-JUN-90	18-DEC-90	18-DEC-90
NORTH COORDINATE:	481970.37	481970.37	481970.37	481970.37	481970.37
EAST COORDINATE:	1381739.56	1381739.56	1381739.56	1381739.56	1381739.56
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													334 MG/L		NV
AMMONIA				.2 MG/L		-							.05 MG/L		NV
CHLORIDE				12.1 MG/L		-							14 MG/L		NV
FLUORIDE				.79 MG/L		-							.76 MG/L		NV
NITRATE/NITRITE													.36 MG/L		NV
PH													7.54 SU		NV
PHENOLS													.01 MG/L		NV
PHOSPHORUS													.1 MG/L		NV
SPECIFIC CONDUCTIVITY													1020 UMHOS/CM		NV
SULFATE				248 MG/L		-							206 MG/L		NV
TOTAL DISSOLVED SOLIDS													742 MG/L		NV
TOTAL ORGANIC CARBON													11 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL ORGANIC NITROGEN				.2 MG/L		-									
INORGANICS															
ALUMINUM	.05 MG/L		U	.05 MG/L		U									
ANTIMONY	.0022 MG/L		U	.0005 MG/L		U									
ARSENIC	.002 MG/L		U	.002 MG/L		U									
BARIUM	.071 MG/L		R	.069 MG/L		R									
BERYLLIUM	.001 MG/L		U	.0014 MG/L		U									
CADMIUM	.002 MG/L		U	.002 MG/L		U									
CALCIUM	99 MG/L		J	99.9 MG/L		J									
CHROMIUM	.02 MG/L		U	.02 MG/L		U									
COBALT	.01 MG/L		U	.01 MG/L		U									
COPPER	.01 MG/L		UR	.01 MG/L		UR									
CYANIDE													.01 MG/L		UNV
IRON	.013 MG/L		UJ	.005 MG/L		UJ									
LEAD	.002 MG/L		UJ	.002 MG/L		UJ									
MAGNESIUM	53.87 MG/L		J	54.55 MG/L		J									
MANGANESE	.203 MG/L		-	.191 MG/L		-									

SAMPLE NUMBER:	020258			020262			EMGW_SYSGEN_243			EMGW_SYSGEN_246			EMGW_SYSGEN_246		
LAB:	IT/MWL			IT			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															
MERCURY	.0002 MG/L		-	.0002 MG/L		UR									
MOLYBDENUM	.02 MG/L		U	.02 MG/L		U									
NICKEL	.02 MG/L		U	.02 MG/L		U									
POTASSIUM	9.48 MG/L		J	8.84 MG/L		J									
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ									
SILVER	.0005 MG/L		UJ	.0005 MG/L		UJ									
SODIUM	17.19 MG/L		J	16.61 MG/L		J									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.01 MG/L		UJ	.01 MG/L		UJ									
ZINC	.01 MG/L		U	.01 MG/L		U									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238							1390 PCI/L		NV	761 PCI/L		NV			
URANIUM, TOTAL							4190 UG/L		NV	6230 UG/L		NV			
URANIUM-234							1060 PCI/L		NV	655 PCI/L		NV			
THORIUM-230							.26 PCI/L		UNV	.22 PCI/L		UNV			
RADIUM-226							1 PCI/L		UNV	1 PCI/L		UNV			
URANIUM-235/236							146 PCI/L		NV	28.7 PCI/L		NV			
THORIUM-232							.26 PCI/L		UNV	.22 PCI/L		UNV			
THORIUM, TOTAL							2.4 UG/L		UNV	2 UG/L		UNV			
RADIUM-228							3 PCI/L		UNV	3 PCI/L		UNV			
THORIUM-228							.26 PCI/L		UNV	.521 PCI/L		NV			
GROSS ALPHA							1790 PCI/L		NV	4270 PCI/L		NV			
GROSS BETA							1070 PCI/L		NV	3430 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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_244	EMGW_SYSGEN_245	GW930421-1	GW930421-1	GW930421-1
TASK:	GWMON	GWMON	50.03.23	50.03.23	50.03.23
LAB:	NET	NET	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	1085	1085	1085	1085	1085
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUN-90	19-SEP-90	21-APR-93	21-APR-93	21-APR-93
NORTH COORDINATE:	481970.37	481970.37	481970.37	481970.37	481970.37
EAST COORDINATE:	1381739.56	1381739.56	1381739.56	1381739.56	1381739.56
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				348 MG/L		NV									
CHLORIDE	15 MG/L		NV	15 MG/L		NV									
FLUORIDE				1.06 MG/L		NV									
NITRATE, AS NITROGEN	.12 MG/L		NV	.15 MG/L		NV									
PH				7.04 SU		NV									
PHENOLS				.005 MG/L		UNV									
SPECIFIC CONDUCTIVITY				941 UMHOS/CM		NV									
SULFATE	200 MG/L		NV	153 MG/L		NV									
TOTAL DISSOLVED SOLIDS				595 MG/L		NV									
TOTAL ORGANIC CARBON	4 MG/L		NV	5 MG/L		NV									
TOTAL ORGANIC HALOGENS	.013 MG/L		NV	.029 MG/L		NV									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238							1470 PCI/L	303	J	1580 PCI/L	222	J			
URANIUM, TOTAL							5466 UG/L	383	-	5150 UG/L	361	-	4300 UG/L		NV
URANIUM-234							1240 PCI/L	263	J	1300 PCI/L	184	J			
THORIUM-230							.3 PCI/L	.1	UJ	.5 PCI/L	.4	UJ			
RADIUM-226							1 PCI/L	.2	UJ	1 PCI/L	.2	U			
URANIUM-235/236							53.3 PCI/L	31.6	-	50.8 PCI/L	12.2	J			
THORIUM-232							.4 PCI/L	.2	UJ	.4 PCI/L	.3	UJ			
RADIUM-228							3 PCI/L	.9	U	3 PCI/L	.7	U			
THORIUM-228							.3 PCI/L	.1	UJ	.3 PCI/L	.2	UJ			
TECHNETIUM-99							36.8 PCI/L	9.9	-	74.9 PCI/L	11	J			
GROSS ALPHA							15.5 PCI/L	3.5	NV	2310 PCI/L	39.8	NV			
GROSS BETA							8.8 PCI/L	3.2	NV	1520 PCI/L	17.9	NV			

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_244			EMGW_SYSGEN_245			GW930421-1			GW930421-1			GW930421-1		
LAB:	NET			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															
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 1 WELLS

SAMPLE NUMBER:	GW930421-1			GW930421-1			GW930421-1			GW930127-2			GW930127-2		
TASK:	50.03.23			50.03.23			50.03.23			RCRA			RCRA		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			NET		
WELL OR BORING NUMBER:	1085			1085			1085			1085			1085		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-APR-93			21-APR-93			21-APR-93			27-JAN-93			27-JAN-93		
NORTH COORDINATE:	481970.37			481970.37			481970.37			481970.37			481970.37		
EAST COORDINATE:	1381739.56			1381739.56			1381739.56			1381739.56			1381739.56		
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							390 MG/L		-						
AMMONIA							.14 MG/L		UJ						
BICARBONATE ALKALINITY							390 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE							11 MG/L		-						
FLUORIDE							.94 MG/L		-						
NITRATE/NITRITE							.26 MG/L		U						
PH							7.8 SU		-						
PHENOLS							.15 MG/L		U						
PHOSPHORUS							.12 MG/L		-						
SPECIFIC CONDUCTIVITY							870 UMHOS/CM		-						
SULFATE							160 MG/L		-						
TOTAL DISSOLVED SOLIDS				550 MG/L		-							659 MG/L		NV
TOTAL ORGANIC CARBON							2.9 MG/L		-						
TOTAL ORGANIC HALIDES							.045 MG/L		U						
TOTAL ORGANIC NITROGEN							.3 MG/L		J						
TOTAL SOLIDS							800 MG/L		-						
INORGANICS															
ALUMINUM				.0453 MG/L		-	1.59 MG/L		-				.2 MG/L		UNV
ANTIMONY				.031 MG/L		U	.027 MG/L		U				.02 MG/L		UNV
ARSENIC				.002 MG/L		U	.0039 MG/L		J				.005 MG/L		UNV
BARIUM				.0436 MG/L		-	.0526 MG/L		-				.2 MG/L		NV
BERYLLIUM				.0012 MG/L		-	.0011 MG/L		-				.005 MG/L		UNV
CADMIUM				.002 MG/L		U	.002 MG/L		U				.001 MG/L		UNV
CALCIUM				121 MG/L		-	116 MG/L		-				107 MG/L		NV
CHROMIUM				.003 MG/L		U	.004 MG/L		U				.0029 MG/L		NV
COBALT				.008 MG/L		U	.005 MG/L		U				.005 MG/L		UNV
COPPER				.014 MG/L		-	.0154 MG/L		-				.02 MG/L		UNV
CYANIDE				.02 MG/L		U	.02 MG/L		U						
IRON				.0258 MG/L		-	4.08 MG/L		-				.1 MG/L		UNV

SAMPLE NUMBER:	GW930421-1			GW930421-1			GW930421-1			GW930127-2			GW930127-2		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			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															
LEAD				.001 MG/L		U	.0033 MG/L		-				.003 MG/L		UNV
MAGNESIUM				55.2 MG/L		-	52.8 MG/L		-				45.6 MG/L		NV
MANGANESE				.0213 MG/L		-	.17 MG/L		-				.015 MG/L		UNV
MERCURY				.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		UNV
MOLYBDENUM				.015 MG/L		U	.0125 MG/L		-				.01 MG/L		UNV
NICKEL				.031 MG/L		U	.011 MG/L		U				.01 MG/L		UNV
POTASSIUM				2.97 MG/L		-	2.5 MG/L		-						
SELENIUM				.001 MG/L		UJ	.002 MG/L		UJ				.005 MG/L		UNV
SILVER				.0079 MG/L		-	.0063 MG/L		-				.001 MG/L		UNV
SODIUM				39.9 MG/L		-	38.5 MG/L		-						
THALLIUM				.002 MG/L		U	.003 MG/L		UJ				.01 MG/L		UNV
VANADIUM				.007 MG/L		U	.004 MG/L		U				.05 MG/L		UNV
ZINC				.0033 MG/L		-	.0378 MG/L		U				.02 MG/L		UNV
RADIONUCLIDES															
URANIUM, TOTAL	4200 UG/L		NV							8030 UG/L		NV			
THORIUM-230										.3 PCI/L	.1	NV			
RADIUM-226										1 PCI/L	.4	UNV			
THORIUM-232										.5 PCI/L	.2	NV			
THORIUM, TOTAL										4.1 UG/L		NV			
RADIUM-228										3 PCI/L	1.2	UNV			
THORIUM-228										.6 PCI/L	.2	NV			
GROSS ALPHA										5280 PCI/L	62.2	NV			
GROSS BETA										2090 PCI/L	21.3	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						
BROMOMETHANE							10 UG/L		UJ						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						
CHLOROBENZENE							10 UG/L		U						

SAMPLE NUMBER:	GW930421-1			GW930421-1			GW930421-1			GW930127-2			GW930127-2		
LAB:	FERMCO			LOCKHEED			LOCKHEED			CORE			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															
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:	GW930127-2			EMGW_SYSGEN_255			EMGW_SYSGEN_255			020250			020259		
TASK:	RCRA			GWMON			GWMON			3.8			3.8		
LAB:	NET			IT			NET			IT			IT		
WELL OR BORING NUMBER:	1085			1086			1086			1086			1086		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	27-JAN-93			05-MAR-91			05-MAR-91			12-APR-88			13-APR-88		
NORTH COORDINATE:	481970.37			481984.52			481984.52			481984.52			481984.52		
EAST COORDINATE:	1381739.56			1381716.38			1381716.38			1381716.38			1381716.38		
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	319 MG/L		NV				328 MG/L		NV						
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.02 MG/L		UNV				.02 MG/L		UNV						
BICARBONATE ALKALINITY	390 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	12 MG/L		NV				8 MG/L		NV						
FLUORIDE	1.17 MG/L		NV				.7 MG/L		NV						
NITRATE	.52 MG/L		NV				.17 MG/L		NV						
NITRATE, AS NITROGEN							.17 MG/L		NV						
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.43 SU		NV				7.56 SU		NV	10 UG/L		U			
PHENOLS	.01 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS	.1 MG/L		UNV				.14 MG/L		NV						
SPECIFIC CONDUCTIVITY	989 UMHOS/CM		NV				801 UMHOS/CM		NV						
SULFATE	253 MG/L		NV				179 MG/L		NV						
TOTAL DISSOLVED SOLIDS							486 MG/L		NV						
TOTAL ORGANIC CARBON	15 MG/L		NV				9 MG/L		NV						
TOTAL ORGANIC HALIDES	.015 MG/L		NV												
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV						
TOTAL SOLIDS	784 MG/L		NV												
INORGANICS															
ALUMINUM	.2 MG/L		UNV				.89 MG/L		NV	.05 MG/L		U			
ANTIMONY	.02 MG/L		UNV				.025 MG/L		UNV	.0005 MG/L		U			
ARSENIC	.0055 MG/L		NV				.0025 MG/L		UNV	.005 MG/L		U			
BARIUM	.2 MG/L		UNV				.2 MG/L		UNV	.084 MG/L		R			
BERYLLIUM	.005 MG/L		UNV				.01 MG/L		UNV	.001 MG/L		U			
CADMIUM	.001 MG/L		UNV				.001 MG/L		UNV	.002 MG/L		UJ			
CALCIUM	107 MG/L		NV				73.4 MG/L		NV	109.6 MG/L		J			
CHROMIUM	.0097 MG/L		NV				.005 MG/L		UNV	.02 MG/L		UR			
COBALT	.005 MG/L		UNV				.025 MG/L		UNV	.011 MG/L		-			

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SAMPLE NUMBER:	GW930127-2			EMGW_SYSGEN_255			EMGW_SYSGEN_255			020250			020259		
LAB:	NET			IT			NET			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															
COPPER	.02 MG/L		UNV				.025 MG/L		UNV	.01 MG/L		UR			
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV	.01 MG/L		UR			
IRON	3.61 MG/L		NV				2.02 MG/L		NV	.005 MG/L		U			
LEAD	.0059 MG/L		NV				.005 MG/L		UNV	.002 MG/L		U			
MAGNESIUM	45.3 MG/L		NV				39 MG/L		NV	54.42 MG/L		J			
MANGANESE	.135 MG/L		NV				.064 MG/L		NV	.596 MG/L		-			
MERCURY	.0002 MG/L		UNV				.0002 MG/L		UNV	.0002 MG/L		U			
MOLYBDENUM	.01 MG/L		UNV				.025 MG/L		UNV	.02 MG/L		UNV			
NICKEL	.013 MG/L		NV				.006 MG/L		NV	.02 MG/L		U			
POTASSIUM	2.64 MG/L		NV				1.63 MG/L		NV	5.23 MG/L		J			
SELENIUM	.005 MG/L		UNV				.0025 MG/L		UNV	.002 MG/L		UJ			
SILVER	.001 MG/L		UNV				.001 MG/L		UNV	.005 MG/L		UJ			
SODIUM	51 MG/L		NV				20.8 MG/L		NV	16.36 MG/L		J			
THALLIUM	.01 MG/L		UNV				.01 MG/L		UNV	.005 MG/L		U			
VANADIUM	.05 MG/L		UNV				.05 MG/L		UNV	.011 MG/L		-			
ZINC	.02 MG/L		UNV				.02 MG/L		UNV	.01 MG/L		UR			
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				1 UG/L		UNV						
TRANS-1,4-DICHLORO-2-BUTENE	20 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			

SAMPLE NUMBER:	GW930127-2			EMGW_SYSGEN_255			EMGW_SYSGEN_255			020250			020259		
LAB:	NET			IT			NET			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)
PESTICIDES															
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			
RADIONUCLIDES															
URANIUM-238				4.83 PCI/L		NV							24.3 PCI/L	4	-
URANIUM, TOTAL				14.8 UG/L		NV							71 UG/L	11	-
URANIUM-234				5.49 PCI/L		NV							21.3 PCI/L	3.6	-
THORIUM-230				.356 PCI/L		NV							1 PCI/L		UJ
RADIUM-226				1 PCI/L		UNV							1.1 PCI/L	.7	R
URANIUM-235/236				.29 PCI/L		UNV							1.2 PCI/L	.5	-
THORIUM-232				.2 PCI/L		UNV							1 PCI/L		UJ
THORIUM, TOTAL				1.6 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV							3 PCI/L		R
THORIUM-228				.52 PCI/L		NV							1 PCI/L		UJ
NEPTUNIUM-237				.5 PCI/L		UNV							1 PCI/L		UJ
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
TECHNETIUM-99				20 PCI/L		UNV							30 PCI/L		U
RUTHENIUM-106				150 PCI/L		UNV							150 PCI/L		R
CESIUM-137				7.4 PCI/L		UNV							20 PCI/L		R
GROSS ALPHA				21.5 PCI/L		NV									
GROSS BETA				11.4 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			

SAMPLE NUMBER:	GW930127-2			EMGW_SYSGEN_255			EMGW_SYSGEN_255			020250			020259		
LAB:	NET			IT			NET			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															
2,4,5-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				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			
CUMENE	1 UG/L		UNV												
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:	GW930127-2			EMGW_SYSGEN_255			EMGW_SYSGEN_255			020250			020259		
LAB:	NET			IT			NET			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	.01 MG/L		UNV				.005 MG/L		UNV	10 UG/L		U			
PYRENE										10 UG/L		U			
VOLATILES															
1,1,1,2-TETRACHLOROETHANE	1 UG/L		UNV												
1,1,1-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
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	5 UG/L		U			
1,2-DICHLOROETHANE	1 UG/L		UNV				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				1 UG/L		UNV	5 UG/L		U			
2-BUTANONE	10 UG/L		UNV				2 UG/L		UNV	10 UG/L		U			
2-HEXANONE	10 UG/L		UNV				2 UG/L		UNV	10 UG/L		U			
4-METHYL-2-PENTANONE	10 UG/L		UNV				2 UG/L		UNV	10 UG/L		U			
ACETONE	10 UG/L		UNV				2 UG/L		UNV	5 UG/L		U			
BENZENE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
BROMOMETHANE	5 UG/L		UNV				1 UG/L		UNV	10 UG/L		U			
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
CHLOROETHANE	10 UG/L		UNV				1 UG/L		UNV	10 UG/L		U			
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
CHLOROMETHANE	10 UG/L		UNV				1 UG/L		UNV	10 UG/L		U			
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
METHYLENE CHLORIDE	10 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			

SAMPLE NUMBER:	GW930127-2			EMGW_SYSGEN_255			EMGW_SYSGEN_255			020250			020259		
LAB:	NET			IT			NET			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															
STYRENE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
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	5 UG/L		U			
TRICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			
TRICHLOROFLUOROMETHANE	1 UG/L		UNV												
VINYL ACETATE	10 UG/L		UNV				2 UG/L		UNV	10 UG/L		U			
VINYL CHLORIDE	1 UG/L		UNV				1 UG/L		UNV	10 UG/L		U			
XYLENES, TOTAL	1 UG/L		UNV				1 UG/L		UNV	5 UG/L		U			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_251	EMGW_SYSGEN_254	EMGW_SYSGEN_254	EMGW_SYSGEN_252	EMGW_SYSGEN_253
TASK:	GWMON	GWMON	GWMON	GWMON	GWMON
LAB:	IT	IT	NET	NET	NET
WELL OR BORING NUMBER:	1086	1086	1086	1086	1086
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUN-90	18-DEC-90	18-DEC-90	18-JUN-90	19-SEP-90
NORTH COORDINATE:	481984.52	481984.52	481984.52	481984.52	481984.52
EAST COORDINATE:	1381716.38	1381716.38	1381716.38	1381716.38	1381716.38
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							299 MG/L		NV				291 MG/L		NV
AMMONIA							.03 MG/L		NV						
CHLORIDE							8 MG/L		NV	9 MG/L		NV	9 MG/L		NV
FLUORIDE							.8 MG/L		NV				.89 MG/L		NV
NITRATE, AS NITROGEN										.07 MG/L		NV	.16 MG/L		NV
NITRATE/NITRITE							.36 MG/L		NV						
PH							7.46 SU		NV				7.16 SU		NV
PHENOLS							.01 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS							.07 MG/L		NV						
SPECIFIC CONDUCTIVITY							779 UMHOS/CM		NV				763 UMHOS/CM		NV
SULFATE							114 MG/L		NV	108 MG/L		NV	128 MG/L		NV
TOTAL DISSOLVED SOLIDS							536 MG/L		NV				480 MG/L		NV
TOTAL ORGANIC CARBON							6 MG/L		NV	2 MG/L		NV	3 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV	.014 MG/L		NV	.01 MG/L		UNV
INORGANICS															
CYANIDE							.01 MG/L		UNV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV				1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238	4.41 PCI/L		NV	4.06 PCI/L		NV									
URANIUM, TOTAL	13.4 UG/L		NV	11.2 UG/L		NV									
URANIUM-234	4.81 PCI/L		NV	4.75 PCI/L		NV									
THORIUM-230	1.64 PCI/L		NV	.389 PCI/L		NV									
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.595 PCI/L		NV	.235 PCI/L		NV									
THORIUM-232	.42 PCI/L		UNV	.27 PCI/L		UNV									

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SAMPLE NUMBER:	EMGW_SYSGEN_251			EMGW_SYSGEN_254			EMGW_SYSGEN_254			EMGW_SYSGEN_252			EMGW_SYSGEN_253		
LAB:	IT			IT			NET			NET			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	3.8 UG/L		UNV	2.5 UG/L		UNV									
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	1.01 PCI/L		NV	.839 PCI/L		NV									
GROSS ALPHA	13 PCI/L		UNV	27.5 PCI/L		NV									
GROSS BETA	16 PCI/L		NV	17.3 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 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							1 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							1 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							1 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							1 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_260	EMGW_SYSGEN_260	020251	020260	EMGW_SYSGEN_259
TASK:	GWMON	GWMON	3.8	3.8	GWMON
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	1087	1087	1087	1087	1087
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-MAR-91	05-MAR-91	12-APR-88	13-APR-88	13-DEC-90
NORTH COORDINATE:	481963.01	481963.01	481963.01	481963.01	481963.01
EAST COORDINATE:	1381686.38	1381686.38	1381686.38	1381686.38	1381686.38
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				385 MG/L		NV									
AMMONIA				.02 MG/L		UNV									
CHLORIDE				11 MG/L		NV									
FLUORIDE				.97 MG/L		NV									
NITRATE, AS NITROGEN				.02 MG/L		UNV									
PH				7.67 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.38 MG/L		NV									
SPECIFIC CONDUCTIVITY				883 UMHOS/CM		NV									
SULFATE				155 MG/L		NV									
TOTAL DISSOLVED SOLIDS				428 MG/L		NV									
TOTAL ORGANIC CARBON				5 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM				1.89 MG/L		NV	.05 MG/L		U						
ANTIMONY				.025 MG/L		UNV	.0005 MG/L		U						
ARSENIC				.0025 MG/L		UNV	.005 MG/L		U						
BARIUM				.2 MG/L		UNV	.066 MG/L		R						
BERYLLIUM				.01 MG/L		UNV	.001 MG/L		U						
CADMIUM				.001 MG/L		UNV	.002 MG/L		UJ						
CALCIUM				78.8 MG/L		NV	108.7 MG/L		J						
CHROMIUM				.023 MG/L		NV	.02 MG/L		UR						
COBALT				.025 MG/L		UNV	.01 MG/L		U						
COPPER				.025 MG/L		UNV	.01 MG/L		UR						
CYANIDE				.02 MG/L		UNV	.01 MG/L		UR						
IRON				4.51 MG/L		NV	.253 MG/L		J						
LEAD				.005 MG/L		UNV	.002 MG/L		UJ						
MAGNESIUM				55 MG/L		NV	63.01 MG/L		J						
MANGANESE				.094 MG/L		NV	.317 MG/L		-						
MERCURY				.0002 MG/L		UNV	.0002 MG/L		U						

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SAMPLE NUMBER:	EMGW_SYSGEN_260			EMGW_SYSGEN_260			020251			020260			EMGW_SYSGEN_259		
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)
INORGANICS															
MOLYBDENUM				.025 MG/L		UNV	.02 MG/L		U						
NICKEL				.014 MG/L		NV	.02 MG/L		U						
POTASSIUM				2.67 MG/L		NV	31 MG/L		J						
SELENIUM				.0025 MG/L		UNV	.002 MG/L		UJ						
SILVER				.001 MG/L		UNV	.005 MG/L		UJ						
SODIUM				16.4 MG/L		NV	18.65 MG/L		J						
THALLIUM				.01 MG/L		UNV	.005 MG/L		U						
VANADIUM				.05 MG/L		UNV	.025 MG/L		-						
ZINC				.02 MG/L		UNV	.01 MG/L		UR						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	.2 PCI/L		UNV							12.6 PCI/L	2.4	-	13.9 PCI/L		NV
URANIUM, TOTAL	16.8 UG/L		NV							36 UG/L	6	-	PCI/L		
URANIUM-234	.2 PCI/L		UNV							16 PCI/L	2.8	-	14.7 PCI/L		NV
THORIUM-230	.341 PCI/L		NV							1 PCI/L		UJ	.252 PCI/L		NV
RADIUM-226	1 PCI/L		UNV							1 PCI/L		R	1 PCI/L		UNV
URANIUM-235/236	.2 PCI/L		UNV							1 PCI/L		U	2.53 PCI/L		NV
THORIUM-232	.27 PCI/L		UNV							1 PCI/L		UJ	.23 PCI/L		UNV
THORIUM, TOTAL	2.4 UG/L		UNV										2 UG/L		UNV
RADIUM-228	3 PCI/L		UNV							3 PCI/L		R	3 PCI/L		UNV
THORIUM-228	.581 PCI/L		NV							1 PCI/L		UJ	.23 PCI/L		UNV
NEPTUNIUM-237	.5 PCI/L		UNV							1 PCI/L		UJ			
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			
TECHNETIUM-99	21 PCI/L		UNV							30 PCI/L		U			
RUTHENIUM-106	150 PCI/L		UNV							150 PCI/L		R			
CESIUM-137	7.3 PCI/L		UNV							20 PCI/L		R			
GROSS ALPHA	26.1 PCI/L		NV										19.8 PCI/L		NV
GROSS BETA	12.5 PCI/L		NV										15.3 PCI/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER				10 UG/L		UNV									
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						

SAMPLE NUMBER:	EMGW_SYSGEN_260			EMGW_SYSGEN_260			020251			020260			EMGW_SYSGEN_259		
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															
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		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	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						
CHLOROBENZENE				1 UG/L		UNV	5 UG/L		U						
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		U						
METHYLENE CHLORIDE				1 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						
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		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_259	020264	020265	EMGW_SYSGEN_256	EMGW_SYSGEN_257
TASK:	GWMON	3.8	3.8	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	1087	1087	1087	1087	1087
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-DEC-90	14-APR-88	14-APR-88	15-JUN-90	18-JUN-90
NORTH COORDINATE:	481963.01	481963.01	481963.01	481963.01	481963.01
EAST COORDINATE:	1381686.38	1381686.38	1381686.38	1381686.38	1381686.38
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	378 MG/L		NV												
AMMONIA	.03 MG/L		NV	.2 MG/L		-									
CHLORIDE	11 MG/L		NV	1.3 MG/L		-							10 MG/L		NV
FLUORIDE	1.18 MG/L		NV	.8 MG/L		-									
NITRATE	.05 MG/L		NV	.2 MG/L		-							.02 MG/L		UNV
NITRATE, AS NITROGEN													.02 MG/L		UNV
NITRATE/NITRITE	.05 MG/L		NV												
PH	7.32 SU		NV	.01 MG/L		U	10 UG/L		U						
PHENOLS	.006 MG/L		NV	.01 MG/L		U									
PHOSPHORUS	.15 MG/L		NV	.05 MG/L		U									
SPECIFIC CONDUCTIVITY	995 UMHOS/CM		NV												
SULFATE	119 MG/L		NV	9 MG/L		-							118 MG/L		NV
TOTAL DISSOLVED SOLIDS	612 MG/L		NV												
TOTAL ORGANIC CARBON	3 MG/L		NV										2 MG/L		NV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.012 MG/L		NV
TOTAL ORGANIC NITROGEN				.3 MG/L		-									
INORGANICS															
ALUMINUM				.11 MG/L		U									
ANTIMONY				.0007 MG/L		U									
ARSENIC				.002 MG/L		U									
BARIUM				.087 MG/L		R									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.002 MG/L		U									
CALCIUM				105.9 MG/L		J									
CHROMIUM				.02 MG/L		U									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		UR									
CYANIDE	.005 MG/L		UNV												
IRON				.005 MG/L		UJ									
LEAD				.002 MG/L		UR									

SAMPLE NUMBER:	EMGW_SYSGEN_259			020264			020265			EMGW_SYSGEN_256			EMGW_SYSGEN_257		
LAB:	NET			IT			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															
MAGNESIUM				51.53 MG/L		J									
MANGANESE				.434 MG/L		-									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				5.11 MG/L		J									
SELENIUM				.002 MG/L		UJ									
SILVER				.0005 MG/L		UJ									
SODIUM				17.66 MG/L		J									
THALLIUM				.001 MG/L		U									
VANADIUM				.01 MG/L		UJ									
ZINC				.01 MG/L		U									
No sort code listed.															
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						
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_259			020264			020265			EMGW_SYSGEN_256			EMGW_SYSGEN_257		
LAB:	NET			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL										33.6 UG/L		NV			
URANIUM-234										11.5 PCI/L		NV			
THORIUM-230										3.33 PCI/L		NV			
RADIUM-226										1.82 PCI/L		NV			
URANIUM-235/236										.459 PCI/L		NV			
THORIUM-232										.71 PCI/L		UNV			
THORIUM, TOTAL										6.4 UG/L		UNV			
RADIUM-228										3 PCI/L		UNV			
THORIUM-228										1.69 PCI/L		NV			
GROSS ALPHA										20.8 PCI/L		NV			
GROSS BETA										20.8 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							10 UG/L		UJ						
2,4-DINITROTOLUENE							50 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							10 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		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_259			020264			020265			EMGW_SYSGEN_256			EMGW_SYSGEN_257		
LAB:	NET			IT			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)
SEMIVOLATILES															
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		UJ						
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							50 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						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		UJ						
NITROBENZENE							10 UG/L		U						
P-CHLOROANILINE							10 UG/L		UJ						
PENTACHLOROPHENOL							50 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL	.006 MG/L		NV	.01 MG/L		U	10 UG/L		U						
PYRENE							10 UG/L		U						
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

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SAMPLE NUMBER:	EMGW_SYSGEN_259			020264			020265			EMGW_SYSGEN_256			EMGW_SYSGEN_257		
LAB:	NET			IT			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															
1,2-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_258			020271			020271			020273			EMGW_SYSGEN_265		
TASK:	GWMON			3.8			3.8			3.8			GWMON		
LAB:	NET			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1087			1087			1087			1087			1088		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-SEP-90			20-APR-88			20-APR-88			21-APR-88			05-MAR-91		
NORTH COORDINATE:	481963.01			481963.01			481963.01			481963.01			481977.23		
EAST COORDINATE:	1381686.38			1381686.38			1381686.38			1381686.38			1381668.87		
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	378 MG/L		NV												
AMMONIA										.1 MG/L		-			
CHLORIDE	15 MG/L		NV							3.7 MG/L		-			
FLUORIDE	1.22 MG/L		NV							.79 MG/L		J			
NITRATE	.07 MG/L		NV							.1 MG/L		UR			
NITRATE, AS NITROGEN	.07 MG/L		NV												
PH	7.45 SU		NV							.01 MG/L		U			
PHENOLS	.005 MG/L		UNV							.01 MG/L		U			
PHOSPHORUS										.05 MG/L		U			
SPECIFIC CONDUCTIVITY	861 UMHOS/CM		NV												
SULFATE	116 MG/L		NV							135 MG/L		-			
TOTAL DISSOLVED SOLIDS	505 MG/L		NV												
TOTAL ORGANIC CARBON	4 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN										.3 MG/L		-			
INORGANICS															
ALUMINUM				.05 MG/L		U									
ANTIMONY				.0005 MG/L		U									
ARSENIC				.002 MG/L		UJ									
BARIUM				.057 MG/L		J									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.002 MG/L		U									
CALCIUM				100.8 MG/L		J									
CHROMIUM				.02 MG/L		UJ									
COBALT				.01 MG/L		U									
COPPER				.01 MG/L		UR									
IRON				.005 MG/L		U									
LEAD				.002 MG/L		UR									
MAGNESIUM				59.91 MG/L		J									
MANGANESE				.194 MG/L		-									

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SAMPLE NUMBER:	EMGW_SYSGEN_258			020271			020271			020273			EMGW_SYSGEN_265		
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															
MERCURY				.0002 MG/L		U				.0002 MG/L		UNV			
MOLYBDENUM				.045 MG/L		UJ									
NICKEL				.02 MG/L		U									
POTASSIUM				6.26 MG/L		J									
SELENIUM				.002 MG/L		U									
SILVER				.0005 MG/L		UJ									
SODIUM				16.57 MG/L		-									
THALLIUM				.001 MG/L		UJ									
VANADIUM				.01 MG/L		U									
ZINC				.01 MG/L		UR									
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							.05 UG/L		UNV						
ENDOSULFAN II							.1 UG/L		UNV						
ENDOSULFAN SULFATE							.1 UG/L		UNV						
ENDOSULFAN-I							.05 UG/L		UNV						
ENDRIN							.05 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													4.75 PCI/L		NV
URANIUM, TOTAL													7.82 UG/L		NV
URANIUM-234													6.3 PCI/L		NV
THORIUM-230													.251 PCI/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_258			020271			020271			020273			EMGW_SYSGEN_265		
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)
RADIONUCLIDES															
RADIUM-226													1 PCI/L		UNV
URANIUM-235/236													.69 PCI/L		UNV
THORIUM-232													.2 PCI/L		UNV
THORIUM, TOTAL													1.7 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.446 PCI/L		NV
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													73 PCI/L		UNV
GROSS ALPHA													9.25 PCI/L		NV
GROSS BETA													10.7 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_265	020252	020256	EMGW_SYSGEN_264	EMGW_SYSGEN_264
TASK:	GWMON	3.8	3.8	GWMON	GWMON
LAB:	NET	IT	IT	IT	NET
WELL OR BORING NUMBER:	1088	1088	1088	1088	1088
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-MAR-91	12-APR-88	13-APR-88	13-DEC-90	13-DEC-90
NORTH COORDINATE:	481977.23	481977.23	481977.23	481977.23	481977.23
EAST COORDINATE:	1381668.87	1381668.87	1381668.87	1381668.87	1381668.87
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	356 MG/L		NV										341 MG/L		NV
AMMONIA	.02 MG/L		UNV				.2 MG/L		J				.04 MG/L		NV
CHLORIDE	22 MG/L		NV				3.1 MG/L		-				20 MG/L		NV
FLUORIDE	1 MG/L		NV				1.2 MG/L		-				.99 MG/L		NV
NITRATE	.02 MG/L		UNV				.29 MG/L		-				.05 MG/L		NV
NITRATE, AS NITROGEN	.02 MG/L		UNV												
NITRATE/NITRITE													.05 MG/L		NV
PH	7.66 SU		NV	10 UG/L		U	.01 MG/L		U				7.11 SU		NV
PHENOLS	.005 MG/L		UNV				.01 MG/L		U				.01 MG/L		NV
PHOSPHORUS	.13 MG/L		NV				.05 MG/L		U				.02 MG/L		UNV
SPECIFIC CONDUCTIVITY	805 UMHOS/CM		NV										877 UMHOS/CM		NV
SULFATE	93 MG/L		NV				7 MG/L		-				84 MG/L		NV
TOTAL DISSOLVED SOLIDS	408 MG/L		NV										528 MG/L		NV
TOTAL ORGANIC CARBON	8 MG/L		NV										1 MG/L		UNV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV										.01 MG/L		UNV
TOTAL ORGANIC NITROGEN							.3 MG/L		J						
INORGANICS															
ALUMINUM	.51 MG/L		NV	.05 MG/L		U	.16 MG/L		U						
ANTIMONY	.025 MG/L		UNV	.0005 MG/L		U	.0021 MG/L		U						
ARSENIC	.0025 MG/L		UNV	.005 MG/L		U	.002 MG/L		U						
BARIUM	.2 MG/L		UNV	.123 MG/L		R	.132 MG/L		R						
BERYLLIUM	.01 MG/L		UNV	.001 MG/L		U	.001 MG/L		U						
CADMIUM	.001 MG/L		UNV	.002 MG/L		UJ	.002 MG/L		U						
CALCIUM	74.6 MG/L		NV	86.9 MG/L		J	85.3 MG/L		J						
CHROMIUM	.006 MG/L		NV	.02 MG/L		UR	.02 MG/L		U						
COBALT	.025 MG/L		UNV	.01 MG/L		U	.01 MG/L		U						
COPPER	.025 MG/L		UNV	.01 MG/L		UR	.01 MG/L		UR						
CYANIDE	.02 MG/L		UNV	.01 MG/L		UR							.005 MG/L		UNV
IRON	.754 MG/L		NV	.005 MG/L		U	.005 MG/L		UJ						
LEAD	.005 MG/L		UNV	.002 MG/L		U	.002 MG/L		UJ						

SAMPLE NUMBER:	EMGW_SYSGEN_265			020252			020256			EMGW_SYSGEN_264			EMGW_SYSGEN_264		
LAB:	NET			IT			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															
MAGNESIUM	45 MG/L		NV	45.71 MG/L		J	44.49 MG/L		J						
MANGANESE	.025 MG/L		NV	.151 MG/L		-	.132 MG/L		-						
MERCURY	.0002 MG/L		UNV	.0002 MG/L		U	.0002 MG/L		U						
MOLYBDENUM	.025 MG/L		UNV	.023 MG/L		UNV	.068 MG/L		U						
NICKEL	.005 MG/L		UNV	.02 MG/L		U	.02 MG/L		U						
POTASSIUM	1.52 MG/L		NV	5.12 MG/L		J	4.85 MG/L		UJ						
SELENIUM	.0025 MG/L		UNV	.002 MG/L		UJ	.002 MG/L		UJ						
SILVER	.001 MG/L		UNV	.005 MG/L		UJ	.0005 MG/L		UJ						
SODIUM	12.5 MG/L		NV	11.75 MG/L		J	11.22 MG/L		J						
THALLIUM	.01 MG/L		UNV	.005 MG/L		U	.001 MG/L		U						
VANADIUM	.05 MG/L		UNV	.01 MG/L		U	.01 MG/L		UJ						
ZINC	.02 MG/L		UNV	.01 MG/L		UR	.01 MG/L		U						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV										1 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									

001875

RADIONUCLIDES

URANIUM-238 11.1 PCI/L 1.9 -

SAMPLE NUMBER:	EMGW_SYSGEN_265			020252			020256			EMGW_SYSGEN_264			EMGW_SYSGEN_264		
LAB:	NET			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL							33 UG/L	5	-	9.31 UG/L		NV			
URANIUM-234							11.7 PCI/L	2	-						
THORIUM-230							1 PCI/L		UJ	.314 PCI/L		NV			
RADIUM-226							1 PCI/L		R	1 PCI/L		UNV			
URANIUM-235/236							1 PCI/L		U						
THORIUM-232							1 PCI/L		UJ	.28 PCI/L		UNV			
THORIUM, TOTAL										2.5 UG/L		UNV			
RADIUM-228							3 PCI/L		R	3 PCI/L		UNV			
THORIUM-228							1.5 PCI/L	.6	J	.28 PCI/L		UNV			
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		U						
PLUTONIUM-238							1 PCI/L		U						
TECHNETIUM-99							30 PCI/L		U						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
GROSS ALPHA										6.2 PCI/L		UNV			
GROSS BETA										6.22 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										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									

SAMPLE NUMBER:	EMGW_SYSGEN_265			020252			020256			EMGW_SYSGEN_264			EMGW_SYSGEN_264		
LAB:	NET			IT			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)
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				6 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		U									
PENTACHLOROPHENOL				50 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL	.005 MG/L		UNV	10 UG/L		U	.01 MG/L		U				.01 MG/L		
PYRENE				10 UG/L		U									
VOLATILES															

1,1,1-TRICHLOROETHANE	1 UG/L		UNV	5 UG/L		U						1 UG/L		UNV
10/01/94														

SAMPLE NUMBER:	EMGW_SYSGEN_265			020252			020256			EMGW_SYSGEN_264			EMGW_SYSGEN_264		
LAB:	NET			IT			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															
1,1,2,2-TETRACHLOROETHANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
1,1,2-TRICHLOROETHANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
1,1-DICHLOROETHANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
1,1-DICHLOROETHENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
1,2-DICHLOROETHANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
1,2-DICHLOROPROPANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
2-BUTANONE	2 UG/L		UNV	10 UG/L		U							2 UG/L		UNV
2-HEXANONE	2 UG/L		UNV	10 UG/L		U							2 UG/L		UNV
4-METHYL-2-PENTANONE	2 UG/L		UNV	10 UG/L		U							2 UG/L		UNV
ACETONE	2 UG/L		UNV	31 UG/L		U							2 UG/L		UNV
BENZENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
BROMODICHLOROMETHANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
BROMOFORM	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
BROMOMETHANE	1 UG/L		UNV	10 UG/L		U							1 UG/L		UNV
CARBON DISULFIDE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
CARBON TETRACHLORIDE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
CHLOROBENZENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
CHLOROETHANE	1 UG/L		UNV	10 UG/L		U							1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
CHLOROMETHANE	1 UG/L		UNV	10 UG/L		U							1 UG/L		UNV
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
DIBROMOCHLOROMETHANE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
ETHYLBENZENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
METHYLENE CHLORIDE	1 UG/L		UNV	12 UG/L		-							1 UG/L		UNV
STYRENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
TETRACHLOROETHENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
TOLUENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
TRICHLOROETHENE	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV
VINYL ACETATE	2 UG/L		UNV	10 UG/L		U							2 UG/L		UNV
VINYL CHLORIDE	1 UG/L		UNV	10 UG/L		U							1 UG/L		UNV
XYLENES, TOTAL	1 UG/L		UNV	5 UG/L		U							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_261			EMGW_SYSGEN_262			EMGW_SYSGEN_263			EMGW_SYSGEN_263D			EMGW_SYSGEN_269		
TASK:	GWMON			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			NET			NET			NET			IT		
WELL OR BORING NUMBER:	1088			1088			1088			1088			1089		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-JUN-90			18-JUN-90			19-SEP-90			19-SEP-90			05-MAR-91		
NORTH COORDINATE:	481977.23			481977.23			481977.23			481977.23			481966.04		
EAST COORDINATE:	1381668.87			1381668.87			1381668.87			1381668.87			1381716.47		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			NORMAL		
QC OF:										EMGW_SYSGEN_263					
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							336 MG/L		NV	310 MG/L		NV			
CHLORIDE				21 MG/L		NV	14 MG/L		NV	21 MG/L		NV			
FLUORIDE							1.12 MG/L		NV	1.24 MG/L		NV			
NITRATE, AS NITROGEN				.05 MG/L		NV	.1 MG/L		NV	.11 MG/L		NV			
PH							7.49 SU		NV	7.51 SU		NV			
PHENOLS							.005 MG/L		UNV	.005 MG/L		UNV			
SPECIFIC CONDUCTIVITY							761 UMHOS/CM		NV	767 UMHOS/CM		NV			
SULFATE				76 MG/L		NV	75 MG/L		NV	69 MG/L		NV			
TOTAL DISSOLVED SOLIDS							455 MG/L		NV	455 MG/L		NV			
TOTAL ORGANIC CARBON				2 MG/L		NV	3 MG/L		NV	2 MG/L		NV			
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV	.01 MG/L		UNV	.01 MG/L		UNV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV	1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	5.47 PCI/L		NV										14.2 PCI/L		NV
URANIUM, TOTAL	16.4 UG/L		NV										33.5 UG/L		NV
URANIUM-234	5.36 PCI/L		NV										10 PCI/L		NV
THORIUM-230	2.24 PCI/L		NV										.616 PCI/L		NV
RADIUM-226	1 PCI/L		UNV										1 PCI/L		UNV
URANIUM-235/236	.271 PCI/L		NV										.958 PCI/L		NV
THORIUM-232	.23 PCI/L		UNV										.3 PCI/L		UNV
THORIUM, TOTAL	2.1 UG/L		UNV										2.8 UG/L		UNV
RADIUM-228	3 PCI/L		UNV										3 PCI/L		UNV
THORIUM-228	.963 PCI/L		NV										1.28 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

001378

64116

SAMPLE NUMBER:	EMGW_SYSGEN_261			EMGW_SYSGEN_262			EMGW_SYSGEN_263			EMGW_SYSGEN_263D			EMGW_SYSGEN_269		
LAB:	IT			NET			NET			NET			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															
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													5.7 PCI/L		UNV
GROSS ALPHA	14.5 PCI/L		NV										35.1 PCI/L		NV
GROSS BETA	15.2 PCI/L		NV										34.8 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 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				1 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				1 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				1 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				1 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_269	020257	020257	020263	EMGW_SYSGEN_268
TASK:	GWMON	3.8	3.8	3.8	GWMON
LAB:	NET	IT	IT/MWL	IT	IT
WELL OR BORING NUMBER:	1089	1089	1089	1089	1089
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-MAR-91	13-APR-88	13-APR-88	14-APR-88	18-DEC-90
NORTH COORDINATE:	481966.04	481966.04	481966.04	481966.04	481966.04
EAST COORDINATE:	1381716.47	1381716.47	1381716.47	1381716.47	1381716.47
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	341 MG/L		NV												
AMMONIA	.03 MG/L		NV												
CHLORIDE	14 MG/L		NV												
FLUORIDE	.99 MG/L		NV												
NITRATE, AS NITROGEN	.02 MG/L		UNV												
PH	7.38 SU		NV							10 UG/L		U			
PHENOLS	.005 MG/L		UNV												
PHOSPHORUS	.74 MG/L		NV												
SPECIFIC CONDUCTIVITY	1060 UMHOS/CM		NV												
SULFATE	363 MG/L		NV												
TOTAL DISSOLVED SOLIDS	650 MG/L		NV												
TOTAL ORGANIC CARBON	13 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
INORGANICS															
ALUMINUM	2.15 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	106 MG/L		NV												
CHROMIUM	.043 MG/L		NV												
COBALT	.025 MG/L		UNV												
COPPER	.025 MG/L		UNV												
CYANIDE	.02 MG/L		UNV				.01 MG/L		UR						
IRON	5.05 MG/L		NV												
LEAD	.005 MG/L		UNV												
MAGNESIUM	55 MG/L		NV												
MANGANESE	.229 MG/L		NV												
MERCURY	.0002 MG/L		UNV												

001430

6416

SAMPLE NUMBER:	EMGW_SYSGEN_269			020257			020257			020263			EMGW_SYSGEN_268		
LAB:	NET			IT			IT/MWL			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	.025 MG/L		UNV												
NICKEL	.01 MG/L		NV												
POTASSIUM	3.86 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV												
SODIUM	34.7 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.05 MG/L		UNV												
ZINC	.02 MG/L		UNV												
No sort code listed.															
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		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				68.2 PCI/L	12.8	-							16.1 PCI/L		NV

SAMPLE NUMBER:	EMGW_SYSGEN_269			020257			020257			020263			EMGW_SYSGEN_268		
LAB:	NET			IT			IT/MWL			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															
URANIUM, TOTAL				178 UG/L	29	-							43.6 UG/L		NV
URANIUM-234				53 PCI/L	10.3	-							14.9 PCI/L		NV
THORIUM-230				1.6 PCI/L	.6	J							.56 PCI/L		UNV
RADIUM-226				1 PCI/L		R							1 PCI/L		UNV
URANIUM-235/236				4.2 PCI/L	1.6	-							1 PCI/L		NV
THORIUM-232				1.1 PCI/L	.5	J							.56 PCI/L		UNV
THORIUM, TOTAL				10.0323843 PCI/L	.5	NV							5.1 UG/L		UNV
RADIUM-228				3 PCI/L		R							3 PCI/L		UNV
THORIUM-228				2.5 PCI/L	.8	J							1.34 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									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									
GROSS ALPHA													30.2 PCI/L		NV
GROSS BETA													60.9 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										10 UG/L		UJ			
2,4-DINITROTOLUENE										50 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										10 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:	EMGW_SYSGEN_269			020257			020257			020263			EMGW_SYSGEN_268		
LAB:	NET			IT			IT/MWL			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															
4-NITROPHENOL										50 UG/L		U			
ACENAPHTHENE										10 UG/L		U			
ACENAPHTHYLENE										10 UG/L		UJ			
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		UJ			
BENZO(G,H,I)PERYLENE										10 UG/L		U			
BENZO(K)FLUORANTHENE										10 UG/L		U			
BENZOIC ACID										2 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										50 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			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		U			
N-NITROSODIPHENYLAMINE										10 UG/L		U			
NAPHTHALENE										10 UG/L		UJ			
NITROBENZENE										10 UG/L		U			
P-CHLOROANILINE										10 UG/L		UJ			
PENTACHLOROPHENOL										50 UG/L		U			
PHENANTHRENE										10 UG/L		U			
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									

SAMPLE NUMBER:	EMGW_SYSGEN_269			020257			020257			020263			EMGW_SYSGEN_268		
LAB:	NET			IT			IT/MWL			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															
1,1-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		UR									
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		UR									
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		UJ									
CARBON TETRACHLORIDE	1 UG/L		UNV	5 UG/L		U									
CHLOROBENZENE	1 UG/L		UNV	5 UG/L		U									
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		U									
METHYLENE CHLORIDE	1 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									
VINYL ACETATE	2 UG/L		UNV	10 UG/L		UJ									
VINYL CHLORIDE	1 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:	EMGW_SYSGEN_268	EMGW_SYSGEN_266	EMGW_SYSGEN_266	EMGW_SYSGEN_267	020270
TASK:	GWMON	GWMON	GWMON	GWMON	3.8
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	1089	1089	1089	1089	1089
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-DEC-90	18-JUN-90	18-JUN-90	19-SEP-90	20-APR-88
NORTH COORDINATE:	481966.04	481966.04	481966.04	481966.04	481966.04
EAST COORDINATE:	1381716.47	1381716.47	1381716.47	1381716.47	1381716.47
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	336 MG/L		NV							364 MG/L		NV			
AMMONIA	.07 MG/L		NV												
CHLORIDE	14 MG/L		NV				15 MG/L		NV	15 MG/L		NV			
FLUORIDE	.88 MG/L		NV							1.25 MG/L		NV			
NITRATE, AS NITROGEN							.04 MG/L		NV	.12 MG/L		NV			
NITRATE/NITRITE	.05 MG/L		NV												
PH	7.37 SU		NV							7.26 SU		NV			
PHENOLS	.01 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS	.18 MG/L		NV												
SPECIFIC CONDUCTIVITY	1050 UMHOS/CM		NV							1060 UMHOS/CM		NV			
SULFATE	218 MG/L		NV				163 MG/L		NV	256 MG/L		NV			
TOTAL DISSOLVED SOLIDS	830 MG/L		NV							665 MG/L		NV			
TOTAL ORGANIC CARBON	13 MG/L		NV				5 MG/L		NV	5 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV	.01 MG/L		UNV			
INORGANICS															
ALUMINUM													.05 MG/L		U
ANTIMONY													.0005 MG/L		U
ARSENIC													.002 MG/L		UJ
BARIUM													.065 MG/L		J
BERYLLIUM													.001 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													153.6 MG/L		J
CHROMIUM													.02 MG/L		UJ
COBALT													.01 MG/L		U
COPPER													.01 MG/L		UR
CYANIDE	.01 MG/L		UNV												
IRON													.005 MG/L		U
LEAD													.002 MG/L		UR
MAGNESIUM													84.7 MG/L		J
MANGANESE													.276 MG/L		J

SAMPLE NUMBER:	EMGW_SYSGEN_268			EMGW_SYSGEN_266			EMGW_SYSGEN_266			EMGW_SYSGEN_267			020270		
LAB:	NET			IT			NET			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															
MERCURY													.0002 MG/L		UJ
MOLYBDENUM													.039 MG/L		UJ
NICKEL													.02 MG/L		U
POTASSIUM													8.24 MG/L		J
SELENIUM													.002 MG/L		U
SILVER													.0005 MG/L		UJ
SODIUM													25.87 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.014 MG/L		U
ZINC													.01 MG/L		UR
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV							1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238				24.6 PCI/L		NV									
URANIUM, TOTAL				73.8 UG/L		NV									
URANIUM-234				21.5 PCI/L		NV									
THORIUM-230				10.4 PCI/L		NV									
RADIUM-226				1.01 PCI/L		NV									
URANIUM-235/236				1.25 PCI/L		NV									
THORIUM-232				3.75 PCI/L		NV									
THORIUM, TOTAL				33.8 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				6.24 PCI/L		NV									
GROSS ALPHA				103 PCI/L		NV									
GROSS BETA				94.3 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 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			

SAMPLE NUMBER:	EMGW_SYSGEN_268			EMGW_SYSGEN_266			EMGW_SYSGEN_266			EMGW_SYSGEN_267			020270		
LAB:	NET			IT			NET			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															
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	1 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	1 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	1 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	1 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 1 WELLS

SAMPLE NUMBER:	020270	020272	EMGW_SYSGEN_273	EMGW_SYSGEN_273	020253
TASK:	3.8	3.8	GWMON	GWMON	3.8
LAB:	IT	IT	IT	NET	IT
WELL OR BORING NUMBER:	1089	1089	1090	1090	1090
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-APR-88	21-APR-88	05-MAR-91	05-MAR-91	12-APR-88
NORTH COORDINATE:	481966.04	481966.04	481995.45	481995.45	481995.45
EAST COORDINATE:	1381716.47	1381716.47	1381684.46	1381684.46	1381684.46
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										378 MG/L		NV			
AMMONIA	.1 MG/L		NV							.02 MG/L		UNV			
CHLORIDE				3.6 MG/L		-				12 MG/L		NV			
FLUORIDE				.65 MG/L		J				.91 MG/L		NV			
NITRATE	169 MG/L		NV							.02 MG/L		UNV			
NITRATE, AS NITROGEN										.02 MG/L		UNV			
PH	.01 MG/L		UNV	.05 MG/L		U				7.35 SU		NV	10 UG/L		U
PHENOLS	.01 MG/L		UNV							.005 MG/L		UNV			
PHOSPHORUS				.05 MG/L		U				.14 MG/L		NV			
SPECIFIC CONDUCTIVITY										859 UMHOS/CM		NV			
SULFATE				345 MG/L		-				127 MG/L		NV			
TOTAL DISSOLVED SOLIDS										426 MG/L		NV			
TOTAL ORGANIC CARBON										10 MG/L		NV			
TOTAL ORGANIC HALOGENS										.034 MG/L		NV			
TOTAL ORGANIC NITROGEN	.6 MG/L		NV												
INORGANICS															
ALUMINUM										1.67 MG/L		NV	.05 MG/L		U
ANTIMONY										.025 MG/L		UNV	.0005 MG/L		U
ARSENIC										.0025 MG/L		UNV	.005 MG/L		U
BARIUM										.2 MG/L		UNV	.073 MG/L		R
BERYLLIUM										.01 MG/L		UNV	.001 MG/L		U
CADMIUM										.001 MG/L		UNV	.002 MG/L		UJ
CALCIUM										80.3 MG/L		NV	81.6 MG/L		J
CHROMIUM										.015 MG/L		NV	.02 MG/L		UR
COBALT										.025 MG/L		UNV	.01 MG/L		-
COPPER										.025 MG/L		UNV	.01 MG/L		UR
CYANIDE										.02 MG/L		UNV	.01 MG/L		UR
IRON										3.26 MG/L		NV	.228 MG/L		-
LEAD										.005 MG/L		UNV	.002 MG/L		U
MAGNESIUM										49 MG/L		NV	47.11 MG/L		J

SAMPLE NUMBER:	020270			020272			EMGW_SYSGEN_273			EMGW_SYSGEN_273			020253		
LAB:	IT			IT			IT			NET			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															
MANGANESE										.066 MG/L		NV	.181 MG/L		-
MERCURY										.0002 MG/L		UNV	.0002 MG/L		U
MOLYBDENUM										.025 MG/L		UNV	.02 MG/L		UNV
NICKEL										.006 MG/L		NV	.02 MG/L		U
POTASSIUM										3.22 MG/L		NV	3.73 MG/L		J
SELENIUM										.0025 MG/L		UNV	.002 MG/L		UJ
SILVER										.001 MG/L		UNV	.005 MG/L		UJ
SODIUM										14.1 MG/L		NV	17.47 MG/L		J
THALLIUM										.01 MG/L		UNV	.005 MG/L		U
VANADIUM										.05 MG/L		UNV	.01 MG/L		U
ZINC										.02 MG/L		UNV	.01 MG/L		UR
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 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

RADIONUCLIDES

URANIUM-238 3.12 PCI/L NV

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	020270			020272			EMGW_SYSGEN_273			EMGW_SYSGEN_273			020253		
LAB:	IT			IT			IT			NET			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, TOTAL							10.2 UG/L		NV						
URANIUM-234							3.5 PCI/L		NV						
THORIUM-230							.306 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.25 PCI/L		UNV						
THORIUM-232							.2 PCI/L		UNV						
THORIUM, TOTAL							1.8 UG/L		UNV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.641 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							6.4 PCI/L		UNV						
GROSS ALPHA							9.2 PCI/L		UNV						
GROSS BETA							14.6 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													10 UG/L		U
2,4-DINITROTOLUENE													50 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													10 UG/L		U
4-BROMOPHENYL PHENYL ETHER													10 UG/L		U
4-CHLORO-3-METHYLPHENOL													10 UG/L		U

SAMPLE NUMBER:	020270			020272			EMGW_SYSGEN_273			EMGW_SYSGEN_273			020253		
LAB:	IT			IT			IT			NET			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															
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													50 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		UNV							.005 MG/L		UNV	10 UG/L		U
PYRENE													10 UG/L		U
VOLATILES															

SAMPLE NUMBER:	020270			020272			EMGW_SYSGEN_273			EMGW_SYSGEN_273			020253		
LAB:	IT			IT			IT			NET			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															
1,1,2,2-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		U
2-HEXANONE										2 UG/L		UNV	10 UG/L		U
4-METHYL-2-PENTANONE										2 UG/L		UNV	10 UG/L		U
ACETONE										21.1 UG/L		NV	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
CHLOROBENZENE										1 UG/L		UNV	5 UG/L		U
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		U
METHYLENE CHLORIDE										1 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
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		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	020255			EMGW_SYSGEN_272			EMGW_SYSGEN_272			EMGW_SYSGEN_270			EMGW_SYSGEN_270		
TASK:	3.8			GWMON			GWMON			GWMON			GWMON		
LAB:	IT			IT			NET			IT			NET		
WELL OR BORING NUMBER:	1090			1090			1090			1090			1090		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-APR-88			13-DEC-90			13-DEC-90			18-JUN-90			18-JUN-90		
NORTH COORDINATE:	481995.45			481995.45			481995.45			481995.45			481995.45		
EAST COORDINATE:	1381684.46			1381684.46			1381684.46			1381684.46			1381684.46		
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							361 MG/L		NV						
AMMONIA	.3 MG/L		J				.11 MG/L		NV						
CHLORIDE	1.3 MG/L		-				13 MG/L		NV				13 MG/L		NV
FLUORIDE	1 MG/L		-				.95 MG/L		NV						
NITRATE	.28 MG/L		-				.06 MG/L		NV				.03 MG/L		NV
NITRATE, AS NITROGEN													.03 MG/L		NV
NITRATE/NITRITE							.06 MG/L		NV						
PH	.01 MG/L		U				6.69 SU		NV						
PHENOLS	.01 MG/L		U				.005 MG/L		UNV						
PHOSPHORUS	.05 MG/L		U				.66 MG/L		NV						
SPECIFIC CONDUCTIVITY							928 UMHOS/CM		NV						
SULFATE	7 MG/L		-				91 MG/L		NV				148 MG/L		NV
TOTAL DISSOLVED SOLIDS							590 MG/L		NV						
TOTAL ORGANIC CARBON							1 MG/L		UNV				3 MG/L		NV
TOTAL ORGANIC HALOGENS							.01 MG/L		UNV				.021 MG/L		NV
TOTAL ORGANIC NITROGEN	.2 MG/L		J												
INORGANICS															
ALUMINUM	.09 MG/L		U												
ANTIMONY	.0005 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.079 MG/L		R												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.002 MG/L		U												
CALCIUM	84.1 MG/L		J												
CHROMIUM	.02 MG/L		U												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		UR												
CYANIDE							.005 MG/L		UNV						
IRON	.247 MG/L		J												
LEAD	.02 MG/L		UJ												

SAMPLE NUMBER:	020255			EMGW_SYSGEN_272			EMGW_SYSGEN_272			EMGW_SYSGEN_270			EMGW_SYSGEN_270		
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)
INORGANICS															
MAGNESIUM	47.89 MG/L		J												
MANGANESE	.191 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.036 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	3.64 MG/L		J												
SELENIUM	.002 MG/L		UJ												
SILVER	.0005 MG/L		UJ												
SODIUM	16.37 MG/L		J												
THALLIUM	.01 MG/L		U												
VANADIUM	.01 MG/L		UJ												
ZINC	.01 MG/L		U												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE							1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238	6.2 PCI/L	1.2	-	3.71 PCI/L		NV				6.87 PCI/L		NV			
URANIUM, TOTAL	16 UG/L	2	-	9.81 UG/L		NV				20.6 UG/L		NV			
URANIUM-234	6.1 PCI/L	1.2	-	4.01 PCI/L		NV				6.73 PCI/L		NV			
THORIUM-230	1 PCI/L		UJ	3.21 PCI/L		NV				1.83 PCI/L		NV			
RADIUM-226	1 PCI/L		R	1 PCI/L		UNV				1 PCI/L		UNV			
URANIUM-235/236	1 PCI/L		U	.249 PCI/L		NV				.458 PCI/L		NV			
THORIUM-232	1 PCI/L		UJ	.29 PCI/L		UNV				2.52 PCI/L		NV			
THORIUM, TOTAL				2.6 UG/L		UNV				22.7 UG/L		NV			
RADIUM-228	3 PCI/L		R	3 PCI/L		UNV				3 PCI/L		UNV			
THORIUM-228	1 PCI/L		UJ	1.01 PCI/L		NV				1.89 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												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
GROSS ALPHA				10.4 PCI/L		NV				52 PCI/L		NV			
GROSS BETA				15.3 PCI/L		NV				188 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

SAMPLE NUMBER:	020255			EMGW_SYSGEN_272			EMGW_SYSGEN_272			EMGW_SYSGEN_270			EMGW_SYSGEN_270		
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															
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_271			110465			113869			113869			113869		
TASK:	GWMON			20.03.05			20.03.05			20.03.05			20.03.05		
LAB:	NET			FERMCO			IT			IT			ITAS		
WELL OR BORING NUMBER:	1090			11015			11032			11032			11032		
DEPTH:	-			-8			-			-			-		
DATE COLLECTED:	19-SEP-90			25-MAR-93			30-JUN-93			30-JUN-93			30-JUN-93		
NORTH COORDINATE:	481995.45			477922.19			478072.47			478072.47			478072.47		
EAST COORDINATE:	1381684.46			1379788.82			1379787.13			1379787.13			1379787.13		
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	346 MG/L		NV										394 MG/L		-
AMMONIA													.26 MG/L		J
CHLORIDE	11 MG/L		NV										8.89 MG/L		-
FLUORIDE	1.2 MG/L		NV										.64 MG/L		-
NITRATE	.05 MG/L		NV										.26 MG/L		J
NITRATE, AS NITROGEN	.05 MG/L		NV												
PH	7.31 SU		NV							10 UG/L		U	.01 MG/L		U
PHENOLS	.005 MG/L		UNV										.01 MG/L		U
PHOSPHORUS													8.76 MG/L		-
SPECIFIC CONDUCTIVITY	828 UMHOS/CM		NV												
SULFATE	111 MG/L		NV										65.5 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL DISSOLVED SOLIDS	475 MG/L		NV												
TOTAL KJELDAHL NITROGEN													3.32 MG/L		-
TOTAL ORGANIC CARBON	3 MG/L		NV										1.79 MG/L		J
TOTAL ORGANIC HALIDES													.01 MG/L		U
TOTAL ORGANIC HALOGENS	.027 MG/L		NV												
TOTAL ORGANIC NITROGEN													3.06 MG/L		J
INORGANICS															
ALUMINUM							.435 MG/L		-	130 MG/L		-			
ANTIMONY							.0061 MG/L		J	.005 MG/L		U			
ARSENIC							.002 MG/L		UJ	.0076 MG/L		-			
BARIUM							.0876 MG/L		-	1.05 MG/L		-			
BERYLLIUM							.002 MG/L		U	.0061 MG/L		-			
CADMIUM							.005 MG/L		UJ	.0056 MG/L		J			
CALCIUM							87.3 MG/L		-	1360 MG/L		-			
CHROMIUM							.01 MG/L		UR	.167 MG/L		J			
COBALT							.01 MG/L		U	.069 MG/L		-			
COPPER							.01 MG/L		U	.246 MG/L		-			
CYANIDE										.002 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_271			110465			113869			113869			113869		
LAB:	NET			FERMCO			IT			IT			ITAS		
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							.334 MG/L		-	265 MG/L		-			
LEAD							.002 MG/L		U	.0835 MG/L		-			
MAGNESIUM							57.4 MG/L		-	413 MG/L		-			
MANGANESE							.274 MG/L		-	4.92 MG/L		-			
MERCURY							.0002 MG/L		U	.00024 MG/L		-			
MOLYBDENUM							.02 MG/L		U	.0495 MG/L		-			
NICKEL							.02 MG/L		U	.243 MG/L		-			
POTASSIUM							1.33 MG/L		-	21.3 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILICON							8.2 MG/L		-	83.4 MG/L		-			
SILVER							.01 MG/L		U	.0613 MG/L		-			
SODIUM							12.5 MG/L		-	12.8 MG/L		-			
THALLIUM							.002 MG/L		UJ	.002 MG/L		UJ			
VANADIUM							.01 MG/L		UR	.319 MG/L		J			
ZINC							.005 MG/L		U	.654 MG/L		-			
No sort code listed.															
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										.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			

SAMPLE NUMBER:	EMGW_SYSGEN_271			110465			113869			113869			113869		
LAB:	NET			FERMCO			IT			IT			ITAS		
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 EPOXIDE										.05 UG/L		U			
METHOXYCHLOR										.5 UG/L		U			
TOXAPHENE										5 UG/L		U			
RADIONUCLIDES															
URANIUM-238							2.43 PCI/L	.67	-	8.87 PCI/L	2.05	-			
URANIUM, TOTAL				270 UG/L		NV	6.14 UG/L	.91	J	22.6 UG/L	3.94	J			
URANIUM-234							2.62 PCI/L	.71	-	8.72 PCI/L	2.01	-			
THORIUM-230							.2 PCI/L		UJ	11.8 PCI/L	4.16	R			
RADIUM-226							1 PCI/L		UJ	3.18 PCI/L	.65	J			
URANIUM-235/236							.2 PCI/L	.11	U	.34 PCI/L	.2	-			
THORIUM-232							.2 PCI/L		UJ	7.5 PCI/L	2.93	R			
THORIUM, TOTAL							.64 UG/L	0	UJ	69 UG/L	27	R			
RADIUM-228							3 PCI/L		UJ	10.1 PCI/L	1.9	R			
THORIUM-228							.27 PCI/L		UJ	8.15 PCI/L	3.14	R			
NEPTUNIUM-237							.5 PCI/L	.23	U	3.1 PCI/L	2.19	R			
PLUTONIUM-239/240							.5 PCI/L	.12	U	.5 PCI/L		UJ			
PLUTONIUM-238							.5 PCI/L	.11	UJ	.5 PCI/L	.11	UJ			
STRONTIUM-90							1.33 PCI/L	.438	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							13.2 PCI/L		UJ	17.3 PCI/L		UJ			
GROSS ALPHA							8.19 PCI/L		UJ	26.6 PCI/L		UJ			
GROSS BETA							6.64 PCI/L	4.17	J	67.5 PCI/L	19.7	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-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			

SAMPLE NUMBER:	EMGW_SYSGEN_271			110465			113869			113869			113869		
LAB:	NET			FERMCO			IT			IT			ITAS		
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															
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			
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		U			
DIBENZOFURAN										10 UG/L		U			
DIETHYL PHTHALATE										1 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		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			

SAMPLE NUMBER:	EMGW_SYSGEN_271			110465			113869			113869			113869		
LAB:	NET			FERMCO			IT			IT			ITAS		
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															
PENTACHLOROPHENOL										25 UG/L		U			
PHENANTHRENE										10 UG/L		U			
PHENOL	.005 MG/L		UNV							10 UG/L		U	.01 MG/L		U
PYRENE										10 UG/L		U			
TRIBUTYL PHOSPHATE										1 UG/L		J			
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							6 UG/L		J			
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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	119234	119234F	119237	119237F	119238
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	TCT	TCT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	11064	11064	11064	11064	11064
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUN-93	27-JUN-93	27-JUN-93	27-JUN-93	27-JUN-93
NORTH COORDINATE:	478443.35	478443.35	478443.35	478443.35	478443.35
EAST COORDINATE:	1379495.01	1379495.01	1379495.01	1379495.01	1379495.01
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	418 MG/L		-												
AMMONIA	.118 MG/L		-												
CHLORIDE	3.78 MG/L		-												
FLUORIDE	.33 MG/L		-												
NITRATE/NITRITE	.0212 MG/L		-												
PHENOLS	.005 MG/L		U												
PHOSPHATE	.276 MG/L		R												
SULFATE	73.1 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL KJELDAHL NITROGEN	.12 MG/L		-												
TOTAL ORGANIC CARBON	10.8 MG/L		J												
TOTAL ORGANIC HALIDES	.0299 MG/L		-												
TOTAL ORGANIC NITROGEN	.002 MG/L		-												
INORGANICS															
ALUMINUM	8.3 MG/L		-	.2 MG/L		U									
ANTIMONY	.014 MG/L		UJ	.014 MG/L		UJ									
ARSENIC	.0095 MG/L		J	.0058 MG/L		J									
BARIUM	.183 MG/L		-	.146 MG/L		-									
BERYLLIUM	.005 MG/L		U	.005 MG/L		U									
CADMIUM	.005 MG/L		U	.005 MG/L		U									
CALCIUM	168 MG/L		-	111 MG/L		-									
CHROMIUM	.0083 MG/L		J	.006 MG/L		UJ									
COBALT	.017 MG/L		U	.017 MG/L		U									
COPPER	.0236 MG/L		-	.009 MG/L		U									
CYANIDE	.005 MG/L		U	.005 MG/L		U									
IRON	10.7 MG/L		-	.288 MG/L		-									
LEAD	.0054 MG/L		J	.001 MG/L		UJ									
MAGNESIUM	70.3 MG/L		-	48.5 MG/L		-									
MANGANESE	.508 MG/L		-	.301 MG/L		-									
MERCURY	.0001 MG/L		U	.0001 MG/L		U									

SAMPLE NUMBER:	119234			119234F			119237			119237F			119238		
LAB:	TCT			TCT			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															
MOLYBDENUM	.017 MG/L		U	.017 MG/L		U									
NICKEL	.0263 MG/L		-	.018 MG/L		U									
POTASSIUM	5.06 MG/L		-	1.27 MG/L		-									
SELENIUM	.005 MG/L		UR	.005 MG/L		UR									
SILICON	9.78 MG/L		J	7.27 MG/L		J									
SILVER	.001 MG/L		U	.001 MG/L		U									
SODIUM	12.1 MG/L		-	11.9 MG/L		-									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.024 MG/L		U	.024 MG/L		U									
ZINC	.0549 MG/L		-	.0192 MG/L		U									
RADIONUCLIDES															
URANIUM-238							2.8 PCI/L	.5	J	2.3 PCI/L	.9	R			
URANIUM, TOTAL							8.3 UG/L	.6	-	7.9 UG/L	.6	-	8.1 UG/L		NV
URANIUM-234							2.6 PCI/L	.8	J	3.5 PCI/L	1.1	R			
THORIUM-230							.3 PCI/L	.2	-	.3 PCI/L	.2	UJ			
RADIUM-226							1 PCI/L	.4	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236							.2 PCI/L	.5	UJ	.2 PCI/L	.2	R			
THORIUM-232							.2 PCI/L	.4	U	.2 PCI/L	.1	UJ			
THORIUM, TOTAL							.91201488 PCI/L	.4	NV						
RADIUM-228							3 PCI/L	1	UJ	3 PCI/L	.9	UJ			
THORIUM-228							.2 PCI/L	.5	U	.2 PCI/L	.2	UJ			
STRONTIUM-90										.5 PCI/L	.4	R			
CESIUM-137										4 PCI/L	1.2	UJ			
GROSS ALPHA										3.8 PCI/L	1.6	NV			
GROSS BETA										5.5 PCI/L	2.1	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												

SAMPLE NUMBER:	119234			119234F			119237			119237F			119238		
LAB:	TCT			TCT			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)
SEMIVOLATILES															
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	25 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												
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												

SAMPLE NUMBER:	119234			119234F			119237			119237F			119238		
LAB:	TCT			TCT			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)
SEMIVOLATILES															
PHENOL	10 UG/L		UJ												
PYRENE	10 UG/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		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	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 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:	119228	119228F	119231	119231F	119232F
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	TCT	TCT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	11067	11067	11067	11067	11067
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUN-93	28-JUN-93	28-JUN-93	28-JUN-93	28-JUN-93
NORTH COORDINATE:	480193.68	480193.68	480193.68	480193.68	480193.68
EAST COORDINATE:	1382782.71	1382782.71	1382782.71	1382782.71	1382782.71
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	500 MG/L		-												
AMMONIA	.366 MG/L		-												
CHLORIDE	15.98 MG/L		-												
FLUORIDE	.51 MG/L		-												
NITRATE/NITRITE	.04 MG/L		U												
PHENOLS	.005 MG/L		U												
PHOSPHATE	.418 MG/L		R												
SULFATE	98 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL KJELDAHL NITROGEN	.456 MG/L		-												
TOTAL ORGANIC CARBON	2.3 MG/L		J												
TOTAL ORGANIC HALIDES	.005 MG/L		U												
TOTAL ORGANIC NITROGEN	.09 MG/L		-												
INORGANICS															
ALUMINUM	27.1 MG/L		-	.185 MG/L		U									
ANTIMONY	.014 MG/L		UJ	.014 MG/L		UJ									
ARSENIC	.0028 MG/L		J	.002 MG/L		UJ									
BARIUM	.21 MG/L		-	.0664 MG/L		-									
BERYLLIUM	.005 MG/L		U	.005 MG/L		U									
CADMIUM	.005 MG/L		U	.005 MG/L		U									
CALCIUM	217 MG/L		-	140 MG/L		-									
CHROMIUM	.0418 MG/L		-	.006 MG/L		UJ									
COBALT	.017 MG/L		U	.017 MG/L		U									
COPPER	.0327 MG/L		-	.009 MG/L		U									
CYANIDE	.005 MG/L		U	.005 MG/L		U									
IRON	27.4 MG/L		-	.0508 MG/L		-									
LEAD	.0093 MG/L		J	.001 MG/L		UJ									
MAGNESIUM	88.9 MG/L		-	62 MG/L		-									
MANGANESE	.606 MG/L		-	.0924 MG/L		-									
MERCURY	.0001 MG/L		U	.0001 MG/L		U									

SAMPLE NUMBER:	119228			119228F			119231			119231F			119232F		
LAB:	TCT			TCT			CORE			CORE			FERMCO		
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	.017 MG/L		U	.017 MG/L		U									
NICKEL	.0449 MG/L		-	.018 MG/L		U									
POTASSIUM	15.9 MG/L		-	1.89 MG/L		-									
SELENIUM	.005 MG/L		UR	.005 MG/L		UR									
SILICON	18.5 MG/L		J	8.74 MG/L		J									
SILVER	.001 MG/L		U	.001 MG/L		U									
SODIUM	12.7 MG/L		-	11.4 MG/L		-									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.0357 MG/L		-	.024 MG/L		U									
ZINC	.0804 MG/L		-	.0095 MG/L		U									
RADIONUCLIDES															
URANIUM-238							2.2 PCI/L	.4	J	2.3 PCI/L	.8	J			
URANIUM, TOTAL							5.9 UG/L	.4	-	6.7 UG/L	.5	-	6.8 UG/L		NV
URANIUM-234							1.5 PCI/L	.7	J	3.5 PCI/L	.9	J			
THORIUM-230							.2 PCI/L	.2	U	.2 PCI/L	.1	UJ			
RADIUM-226							1 PCI/L	.4	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236							.2 PCI/L	.5	UJ	.2 PCI/L	.2	UJ			
THORIUM-232							.2 PCI/L	.4	U	.2 PCI/L	.1	UJ			
THORIUM, TOTAL							.91202212 PCI/L	.4	NV						
RADIUM-228							3 PCI/L	1.2	UJ	3 PCI/L	.9	UJ			
THORIUM-228							.2 PCI/L	.4	U	.2 PCI/L	.2	UJ			
STRONTIUM-90										.4 PCI/L	.3	R			
TECHNETIUM-99										21.4 PCI/L	12.7	UJ			
CESIUM-137										5.7 PCI/L	2.3	J			
GROSS ALPHA										2.6 PCI/L	1.6	UNV			
GROSS BETA										7.4 PCI/L	1.7	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												
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-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												

SAMPLE NUMBER:	119228			119228F			119231			119231F			119232F		
LAB:	TCT			TCT			CORE			CORE			FERMCO		
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-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												
BENZOIC ACID	25 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												
PENTACHLOROPHENOL	25 UG/L		U												

SAMPLE NUMBER:	119228			119228F			119231			119231F			119232F		
LAB:	TCT			TCT			CORE			CORE			FERMCO		
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															
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		UJ												
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												
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:	119397	119397	119398	119398F	119400
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	DATACHEM	DATACHEM	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	11068	11068	11068	11068	11068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUL-93	25-JUL-93	25-JUL-93	25-JUL-93	25-JUL-93
NORTH COORDINATE:	480148.51	480148.51	480148.51	480148.51	480148.51
EAST COORDINATE:	1378746.78	1378746.78	1378746.78	1378746.78	1378746.78
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				350 MG/L		-									
AMMONIA				.06 MG/L		-									
CHLORIDE				9 MG/L		J									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.16 MG/L		J									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				180 MG/L		-									
SULFATE				52 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.0002 MG/L		J									
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.14 MG/L		J									
INORGANICS															
ALUMINUM	.0313 MG/L		U	1.47 MG/L		-									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.0012 MG/L		-	.002 MG/L		-									
BARIUM	.14 MG/L		-	.179 MG/L		-									
BERYLLIUM	.001 MG/L		U	.001 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U									
CALCIUM	99.4 MG/L		-	112 MG/L		-									
CHROMIUM	.0118 MG/L		U	.0071 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	.082 MG/L		U	3.51 MG/L		-									
LEAD	.001 MG/L		U	.0018 MG/L		J									
MAGNESIUM	33 MG/L		-	37.8 MG/L		-									
MANGANESE	.134 MG/L		-	.2 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									

SAMPLE NUMBER:	119397			119397			119398			119398F			119400		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
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	.0194 MG/L		-	.019 MG/L		U									
POTASSIUM	2.62 MG/L		-	2.69 MG/L		-									
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ									
SILVER	.003 MG/L		UJ	.003 MG/L		UJ									
SODIUM	21.8 MG/L		-	20.2 MG/L		-									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.004 MG/L		U	.004 MG/L		U									
ZINC	.006 MG/L		U	.0117 MG/L		-									
RADIONUCLIDES															
URANIUM-238							1.2 PCI/L	.4	J	1.4 PCI/L	.4	J			
URANIUM, TOTAL							3.8 UG/L	.3	-	4.1 UG/L	.3	-	4.3 UG/L		NV
URANIUM-234							1.6 PCI/L	.4	J	2 PCI/L	.4	J			
THORIUM-230							.3 PCI/L	.2	J	.3 PCI/L	.2	J			
RADIUM-226							1 PCI/L	.4	UJ	1.3 PCI/L	.4	J			
URANIUM-235/236							.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ			
THORIUM-232							.3 PCI/L	.2	UJ	.3 PCI/L	.1	UJ			
RADIUM-228							3 PCI/L	1.1	U	3 PCI/L	.9	U			
THORIUM-228							.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
PLUTONIUM-239/240							.3 PCI/L	1.3	R						
PLUTONIUM-238							.7 PCI/L	1.4	R						
STRONTIUM-90							.1 PCI/L	.4	R	1.2 PCI/L	.5	J			
TECHNETIUM-99							15 PCI/L	7	U	15 PCI/L	7.4	U			
CESIUM-137							4 PCI/L	1.2	UJ	4 PCI/L	.5	UJ			
GROSS ALPHA							1.8 PCI/L	1.1	UNV	2.3 PCI/L	1.3	UNV			
GROSS BETA							44.8 PCI/L	2.6	NV	229 PCI/L	5.3	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				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-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									

SAMPLE NUMBER:	119397			119397			119398			119398F			119400		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
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															
3,3'-DICHLOROBENZIDINE				10 UG/L		UR									
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		UJ									
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		U									
CARBAZOLE				10 UG/L		UR									
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									
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				25 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									

SAMPLE NUMBER:	119397			119397			119398			119398F			119400		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
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															
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									
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:	119402	119402	119403	119403F	119405
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	DATACHEM	DATACHEM	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	11068	11068	11068	11068	11068
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUL-93	25-JUL-93	25-JUL-93	25-JUL-93	25-JUL-93
NORTH COORDINATE:	480148.51	480148.51	480148.51	480148.51	480148.51
EAST COORDINATE:	1378746.78	1378746.78	1378746.78	1378746.78	1378746.78
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	DUPLICATE
QC OF:	119397	119397	119397		119400
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				350 MG/L		-									
AMMONIA				.07 MG/L		-									
CHLORIDE				9.4 MG/L		J									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.17 MG/L		J									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				.55 MG/L		-									
SULFATE				55 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.5 MG/L		J									
TOTAL ORGANIC CARBON				1000 MG/L		U									
TOTAL ORGANIC HALIDES				10 MG/L		U									
TOTAL ORGANIC NITROGEN				.43 MG/L		J									
INORGANICS															
ALUMINUM	.0545 MG/L		U	4.57 MG/L		-									
ANTIMONY	.045 MG/L		U	.045 MG/L		U									
ARSENIC	.0018 MG/L		-	.0041 MG/L		-									
BARIUM	.167 MG/L		-	.237 MG/L		-									
BERYLLIUM	.001 MG/L		U	.0013 MG/L		U									
CADMIUM	.0045 MG/L		U	.0063 MG/L		U									
CALCIUM	101 MG/L		-	127 MG/L		-									
CHROMIUM	.004 MG/L		U	.0196 MG/L		U									
COBALT	.006 MG/L		U	.006 MG/L		U									
COPPER	.004 MG/L		U	.0109 MG/L		-									
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	.0855 MG/L		U	9.86 MG/L		-									
LEAD	.001 MG/L		U	.0039 MG/L		-									
MAGNESIUM	33.6 MG/L		-	43.2 MG/L		-									
MANGANESE	.13 MG/L		-	.277 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									

SAMPLE NUMBER:	119402			119402			119403			119403F			119405		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
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	.019 MG/L		U	.0258 MG/L		-									
POTASSIUM	2.23 MG/L		-	3.39 MG/L		-									
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ									
SILVER	.003 MG/L		UJ	.003 MG/L		UJ									
SODIUM	19 MG/L		-	20.9 MG/L		-									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.004 MG/L		U	.0085 MG/L		-									
ZINC	.006 MG/L		U	.028 MG/L		-									
RADIONUCLIDES															
URANIUM-238							1.6 PCI/L	.4	J	1.6 PCI/L	.4	J			
URANIUM, TOTAL							5.1 UG/L	.4	-	4.7 UG/L	.3	-	3.6 UG/L		NV
URANIUM-234							2.1 PCI/L	.4	J	2.3 PCI/L	.4	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							.2 PCI/L	.2	UJ	.3 PCI/L	.1	UJ			
RADIUM-228							3 PCI/L	1	U	3 PCI/L	.8	U			
THORIUM-228							.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
PLUTONIUM-239/240							3 PCI/L	3	R	.4 PCI/L	1.2	R			
PLUTONIUM-238							2.5 PCI/L	2.8	R	.8 PCI/L	.9	R			
STRONTIUM-90							1.6 PCI/L	1	J	1 PCI/L	.5	UJ			
TECHNETIUM-99							15 PCI/L	7.7	U	15 PCI/L	7.7	U			
CESIUM-137							4 PCI/L	.6	UJ	4 PCI/L	.6	UJ			
GROSS ALPHA							4.5 PCI/L	2.6	UNV	2.6 PCI/L	1.6	UNV			
GROSS BETA							11.4 PCI/L	2.8	NV	4.8 PCI/L	1.9	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		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									

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SAMPLE NUMBER:	119402			119402			119403			119403F			119405		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
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															
3,3'-DICHLOROBENZIDINE				10 UG/L		UR									
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		UJ									
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		U									
CARBAZOLE				10 UG/L		UR									
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									
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				25 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									

SAMPLE NUMBER:	119402			119402			119403			119403F			119405		
LAB:	DATACHEM			DATACHEM			CORE			CORE			FERMCO		
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															
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									
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:	119392			119393			119416F			119417F			119427		
TASK:	50.03.22			50.03.22			50.03.22			50.03.22			50.03.22		
LAB:	DATACHEM			CORE			DATACHEM			CORE			DATACHEM		
WELL OR BORING NUMBER:	11069			11069			11069			11069			11070		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JUL-93			24-JUL-93			25-JUL-93			25-JUL-93			27-JUL-93		
NORTH COORDINATE:	479652.53			479652.53			479652.53			479652.53			479980.13		
EAST COORDINATE:	1379447.35			1379447.35			1379447.35			1379447.35			1379476.95		
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	440 MG/L		-												
AMMONIA	.18 MG/L		-												
CHLORIDE	3 MG/L		J												
FLUORIDE	.2 MG/L		-												
NITRATE/NITRITE	.8 MG/L		J												
PHOSPHORUS	10 MG/L		-												
SULFATE	71 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL KJELDAHL NITROGEN	2.3 MG/L		J												
TOTAL ORGANIC CARBON	3 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	2.12 MG/L		J												
INORGANICS															
ALUMINUM	161 MG/L		-				.014 MG/L		U						
ANTIMONY	.045 MG/L		U				.045 MG/L		U						
ARSENIC	.0152 MG/L		-				.0016 MG/L		-						
BARIUM	1.2 MG/L		-				.221 MG/L		-						
BERYLLIUM	.0089 MG/L		U				.001 MG/L		U						
CADMIUM	.003 MG/L		U				.003 MG/L		U						
CALCIUM	2030 MG/L		-				126 MG/L		-						
CHROMIUM	.236 MG/L		-				.005 MG/L		U						
COBALT	.156 MG/L		-				.006 MG/L		U						
COPPER	.392 MG/L		-				.004 MG/L		U						
CYANIDE	.01 MG/L		U				.01 MG/L		U						
IRON	356 MG/L		-				.0519 MG/L		U						
LEAD	.126 MG/L		-				.0093 MG/L		J						
MAGNESIUM	684 MG/L		-				41.5 MG/L		-						
MANGANESE	8.08 MG/L		-				.445 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		U						
NICKEL	.361 MG/L		-				.0214 MG/L		U						

SAMPLE NUMBER:	119392			119393			119416F			119417F			119427		
LAB:	DATACHEM			CORE			DATACHEM			CORE			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															
POTASSIUM	25.1 MG/L		-				2.25 MG/L		-						
SELENIUM	.02 MG/L		UJ				.002 MG/L		U						
SILVER	.003 MG/L		UJ				.003 MG/L		UJ						
SODIUM	11.5 MG/L		-				8.71 MG/L		-						
THALLIUM	.001 MG/L		UJ				.001 MG/L		U						
VANADIUM	.285 MG/L		-				.004 MG/L		U						
ZINC	.981 MG/L		-				.0062 MG/L		U						
RADIONUCLIDES															
URANIUM-238				9.9 PCI/L	1.3	J				8.4 PCI/L	1.4	J			
URANIUM, TOTAL				26.7 UG/L	1.9	-				20 UG/L	1.4	-			
URANIUM-234				9.7 PCI/L	1.4	J				8.9 PCI/L	1	J			
THORIUM-230				.2 PCI/L	.2	U				.2 PCI/L	.2	UJ			
RADIUM-226				2.1 PCI/L	.5	J				1.1 PCI/L	.6	U			
URANIUM-235/236				.5 PCI/L	.5	J				.4 PCI/L	.1	J			
THORIUM-232				.2 PCI/L	.4	U				.2 PCI/L	.5	UJ			
THORIUM, TOTAL				.91202212 PCI/L	.4	NV									
RADIUM-228				3 PCI/L	1	UJ				3 PCI/L	1	U			
THORIUM-228				.2 PCI/L	.4	U				.2 PCI/L	.5	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		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		UR												
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-CHLOROPHENYL PHENYL ETHER	10 UG/L		U												
4-METHYLPHENOL	10 UG/L		U												

SAMPLE NUMBER:	119392			119393			119416F			119417F			119427		
LAB:	DATACHEM			CORE			DATACHEM			CORE			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															
4-NITROANILINE	25 UG/L		UJ												
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		U												
CARBAZOLE	10 UG/L		UR												
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												
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	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

SAMPLE NUMBER:	119392			119393			119416F			119417F			119427		
LAB:	DATACHEM			CORE			DATACHEM			CORE			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															
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		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										1 UG/L		J
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 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:	119428	119239	119239	119241	119241F
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	CORE	TCT	TCT	CORE	CORE
WELL OR BORING NUMBER:	11070	11071	11071	11071	11071
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUL-93	01-JUL-93	01-JUL-93	01-JUL-93	01-JUL-93
NORTH COORDINATE:	479980.13	481543.62	481543.62	481543.62	481543.62
EAST COORDINATE:	1379476.95	1379799.5	1379799.5	1379799.5	1379799.5
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-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				362 MG/L		-									
AMMONIA				.0731 MG/L		-									
CHLORIDE				35.9 MG/L		-									
FLUORIDE				.26 MG/L		-									
NITRATE				.2 MG/L		U									
PHENOLS				.005 MG/L		U									
PHOSPHATE				.157 MG/L		-									
SULFATE				85.2 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.201 MG/L		U									
TOTAL ORGANIC CARBON				8.8 MG/L		-									
TOTAL ORGANIC HALIDES				.022 MG/L		-									
TOTAL ORGANIC NITROGEN				.128 MG/L		U									
INORGANICS															
ALUMINUM				.525 MG/L		-									
ANTIMONY				.014 MG/L		UJ									
ARSENIC				.0041 MG/L		U									
BARIUM				.078 MG/L		-									
BERYLLIUM				.005 MG/L		R									
CADMIUM				.0061 MG/L		J									
CALCIUM				144 MG/L		-									
CHROMIUM				.006 MG/L		U									
COBALT				.017 MG/L		R									
COPPER				.009 MG/L		R									
CYANIDE				.005 MG/L		U									
IRON				.844 MG/L		-									
LEAD				.0017 MG/L		U									
MAGNESIUM				44.2 MG/L		-									
MANGANESE				.455 MG/L		-									
MERCURY				.0001 MG/L		U									

SAMPLE NUMBER:	119428			119239			119239			119241			119241F		
LAB:	CORE			TCT			TCT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-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															
MOLYBDENUM				.017 MG/L		U									
NICKEL				.018 MG/L		R									
POTASSIUM				1.7 MG/L		-									
SELENIUM				.005 MG/L		UJ									
SILICON				7.08 MG/L		-									
SILVER				.002 MG/L		U									
SODIUM				11 MG/L		-									
THALLIUM				.001 MG/L		R									
VANADIUM				.024 MG/L		R									
ZINC				.006 MG/L		R									
RADIONUCLIDES															
URANIUM-238	3.7 PCI/L	.6	J							1.1 PCI/L	.3	J	.9 PCI/L	.6	J
URANIUM, TOTAL	9.2 UG/L	.6	-							3.6 UG/L	.3	-	3.7 UG/L	.3	-
URANIUM-234	4.1 PCI/L	.9	J							1.5 PCI/L	.7	J	2.3 PCI/L	.8	J
THORIUM-230	.6 PCI/L	.3	-							.3 PCI/L	.3	U	.2 PCI/L	.2	UJ
RADIUM-226	2.6 PCI/L	.6	J							1 PCI/L	.4	UJ	1 PCI/L	.3	UJ
URANIUM-235/236	.2 PCI/L	.5	UJ							.2 PCI/L	.5	UJ	.2 PCI/L	.2	U
THORIUM-232	.5 PCI/L	.4	-							.2 PCI/L	.4	U	.2 PCI/L	.1	UJ
THORIUM, TOTAL	4.56007856 PCI/L		NV												
RADIUM-228	3 PCI/L	1	UJ							3 PCI/L	1.1	UJ	3 PCI/L	.9	UJ
THORIUM-228	.4 PCI/L	.5	-							.2 PCI/L	.4	U	.2 PCI/L	.2	UJ
STRONTIUM-90													1.2 PCI/L	.4	R
TECHNETIUM-99													60.8 PCI/L	35.8	J
CESIUM-137													4 PCI/L	.7	UJ
GROSS ALPHA													2.9 PCI/L	1.9	UNV
GROSS BETA													8.5 PCI/L	2.2	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						

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SAMPLE NUMBER:	119428			119239			119239			119241			119241F		
LAB:	CORE			TCT			TCT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-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-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							25 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							16 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						
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						

SAMPLE NUMBER:	119428			119239			119239			119241			119241F		
LAB:	CORE			TCT			TCT			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-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															
PHENANTHRENE							10 UG/L		UJ						
PHENOL				.005 MG/L		U	10 UG/L		UJ						
PYRENE							10 UG/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		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				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		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									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	119243F			119378			119382			119246			119248		
TASK:	50.03.22			50.03.22			50.03.22			50.03.22			50.03.22		
LAB:	TCT			DATACHEM			DATACHEM			DATACHEM			CORE		
WELL OR BORING NUMBER:	11071			11072			11072			11073			11073		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-JUL-93			15-JUL-93			15-JUL-93			12-JUL-93			12-JUL-93		
NORTH COORDINATE:	481543.62			481310.61			481310.61			481062.69			481062.69		
EAST COORDINATE:	1379799.5			1379767.85			1379767.85			1379791.53			1379791.53		
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				570 MG/L		-				460 MG/L		-			
AMMONIA				.23 MG/L		-				.14 MG/L		-			
CHLORIDE				14 MG/L		-				7.1 MG/L		-			
FLUORIDE				.7 MG/L		-				.4 MG/L		-			
NITRATE/NITRITE				.05 MG/L		U				.05 MG/L		U			
PHENOLS				.002 MG/L		U				.003 MG/L		-			
PHOSPHORUS				.87 MG/L		-				.14 MG/L		-			
SULFATE				30 MG/L		-				100 MG/L		-			
SULFIDE				.1 MG/L		U				1 MG/L		UJ			
TOTAL KJELDAHL NITROGEN				.4 MG/L		-				.5 MG/L		-			
TOTAL ORGANIC CARBON				2 MG/L		-				2 MG/L		-			
TOTAL ORGANIC HALIDES				.01 MG/L		U				.01 MG/L		U			
TOTAL ORGANIC NITROGEN				.17 MG/L		-				.36 MG/L		-			
INORGANICS															
ALUMINUM	.135 MG/L		U	16.1 MG/L		-	.164 MG/L		-	.641 MG/L		-			
ANTIMONY	.014 MG/L		UJ	.0157 MG/L		U	.0157 MG/L		U	.0157 MG/L		U			
ARSENIC	.0028 MG/L		U	.0045 MG/L		-	.0028 MG/L		-	.0027 MG/L		-			
BARIUM	.078 MG/L		-	.26 MG/L		-	.154 MG/L		-	.0921 MG/L		-			
BERYLLIUM	.005 MG/L		R	.0003 MG/L		U	.0003 MG/L		U	.0003 MG/L		U			
CADMIUM	.005 MG/L		U	.0012 MG/L		U	.0012 MG/L		U	.0012 MG/L		U			
CALCIUM	141 MG/L		-	228 MG/L		-	140 MG/L		-	154 MG/L		-			
CHROMIUM	.006 MG/L		U	.0337 MG/L		U	.0043 MG/L		U	.0038 MG/L		U			
COBALT	.017 MG/L		R	.0085 MG/L		U	.0037 MG/L		U	.0034 MG/L		U			
COPPER	.009 MG/L		R	.0232 MG/L		-	.0024 MG/L		U	.0032 MG/L		U			
CYANIDE	.005 MG/L		U	.01 MG/L		U	.01 MG/L		U	.01 MG/L		UJ			
IRON	.0688 MG/L		U	26.3 MG/L		-	.265 MG/L		J	1.45 MG/L		-			
LEAD	.0023 MG/L		U	.0095 MG/L		-	.001 MG/L		U	.0036 MG/L		J			
MAGNESIUM	42.5 MG/L		-	94.2 MG/L		-	65.2 MG/L		-	49.6 MG/L		-			
MANGANESE	.496 MG/L		-	.665 MG/L		-	.244 MG/L		-	3.92 MG/L		-			
MERCURY	.0001 MG/L		U	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U			

SAMPLE NUMBER:	119243F			119378			119382			119246			119248		
LAB:	TCT			DATACHEM			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)
SEMIVOLATILES															
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		UJ			
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			
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		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		UR			
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		UJ				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		UJ			
P-CHLOROANILINE				25 UG/L		U				25 UG/L		U			
PENTACHLOROPHENOL				10 UG/L		U				10 UG/L		U			
PHENANTHRENE				10 UG/L		U				10 UG/L		U			
PHENOL				10 UG/L		U				10 UG/L		U			
PYRENE															
VOLATILES															

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

SAMPLE NUMBER:	119243F			119378			119382			119246			119248		
LAB:	TCT			DATACHEM			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															
1,1,2,2-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		UJ				10 UG/L		UJ			
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				1 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 CHLORIDE				10 UG/L		U				10 UG/L		U			
XYLENES, TOTAL				10 UG/L		U				10 UG/L		U			

SAMPLE NUMBER:	119248F			119250F			119411			119412			119413		
LAB:	CORE			DATACHEM			DATACHEM			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															
POTASSIUM				.626 MG/L		-	5.47 MG/L		-						
SELENIUM				.002 MG/L		UJ	.001 MG/L		UJ						
SILVER				.0029 MG/L		UJ	.0051 MG/L		J						
SODIUM				5.43 MG/L		-	16.8 MG/L		-						
THALLIUM				.001 MG/L		UJ	.001 MG/L		U						
VANADIUM				.0029 MG/L		U	.0233 MG/L		U						
ZINC				.005 MG/L		-	.0717 MG/L		-						
RADIONUCLIDES															
URANIUM-238	.9 PCI/L	1.1	J							6.3 PCI/L	.8	J			
URANIUM, TOTAL	2.8 UG/L	.2	-							17.1 UG/L	1.2	-	19 UG/L		NV
URANIUM-234	1.3 PCI/L	.4	J							3.6 PCI/L	.5	J			
THORIUM-230	.3 PCI/L	.2	J							.3 PCI/L	.2	J			
RADIUM-226	1.2 PCI/L	.5	U							1.5 PCI/L	.5	J			
URANIUM-235/236	.2 PCI/L	.1	UJ							.4 PCI/L	.1	J			
THORIUM-232	.2 PCI/L	.5	UJ							.2 PCI/L	.2	UJ			
THORIUM, TOTAL										1.82403928 PCI/L	.2	NV			
RADIUM-228	3 PCI/L	1	U							3 PCI/L	.9	U			
THORIUM-228	.2 PCI/L	.5	UJ							.2 PCI/L	.2	UJ			
PLUTONIUM-239/240										.5 PCI/L	1.3	R			
PLUTONIUM-238										1.1 PCI/L	2.1	R			
STRONTIUM-90										2.2 PCI/L	1	R			
TECHNETIUM-99										15 PCI/L	7.4	U			
CESIUM-137										4 PCI/L	.7	UJ			
GROSS ALPHA										.8 PCI/L	3	NV			
GROSS BETA										11.7 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						
2-METHYLNAPHTHALENE							10 UG/L		U						
2-METHYLPHENOL							10 UG/L		U						
2-NITROANILINE							25 UG/L		U						
2-NITROPHENOL							10 UG/L		U						

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SAMPLE NUMBER:	119248F			119250F			119411			119412			119413		
LAB:	CORE			DATACHEM			DATACHEM			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)
SEMIVOLATILES															
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							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							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							25 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL							10 UG/L		U						

SAMPLE NUMBER:	119248F			119250F			119411			119412			119413		
LAB:	CORE			DATACHEM			DATACHEM			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)
SEMIVOLATILES															
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		UJ						
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		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:	119413F	119386	119386F	119387	119387F
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	FERMCO	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	11077	11078	11078	11078	11078
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-93	22-JUL-93	22-JUL-93	22-JUL-93	22-JUL-93
NORTH COORDINATE:	481247.74	482143.6	482143.6	482143.6	482143.6
EAST COORDINATE:	1378975.42	1379841.59	1379841.59	1379841.59	1379841.59
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				450 MG/L		-									
AMMONIA				.05 MG/L		U									
CHLORIDE				2.9 MG/L		J									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.07 MG/L		J									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				1.1 MG/L		-									
SULFATE				16 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.6 MG/L		J									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				.6 MG/L		J									
INORGANICS															
ALUMINUM				24.2 MG/L		-	.0854 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0035 MG/L		-	.0012 MG/L		-						
BARIUM				.279 MG/L		-	.106 MG/L		-						
BERYLLIUM				.0015 MG/L		U	.001 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						
CALCIUM				184 MG/L		-	118 MG/L		-						
CHROMIUM				.0342 MG/L		-	.004 MG/L		U						
COBALT				.0154 MG/L		-	.006 MG/L		U						
COPPER				.0358 MG/L		-	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				41 MG/L		-	.121 MG/L		U						
LEAD				.0126 MG/L		-	.0023 MG/L		-						
MAGNESIUM				68.2 MG/L		-	43 MG/L		-						
MANGANESE				1.4 MG/L		-	.71 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						

SAMPLE NUMBER:	119413F			119386			119386F			119387			119387F		
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)
SEMIVOLATILES															
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		UJ									
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									
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		UR									
CHRYSENE				10 UG/L		U									
DI-N-BUTYL PHTHALATE				2 UG/L		J									
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		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				25 UG/L		UR									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		UR									
PYRENE				10 UG/L		U									

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VOLATILES

1,1,1-TRICHLOROETHANE 10 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	119413F			119386			119386F			119387			119387F		
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															
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 1 WELLS

SAMPLE NUMBER:	119390	119418	119419	119421	119421F
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	FERMCO	DATACHEM	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	11078	11079	11079	11079	11079
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUL-93	27-JUL-93	27-JUL-93	27-JUL-93	27-JUL-93
NORTH COORDINATE:	482143.6	481038.41	481038.41	481038.41	481038.41
EAST COORDINATE:	1379841.59	1378471.71	1378471.71	1378471.71	1378471.71
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				.21 MG/L		-									
CHLORIDE				2.7 MG/L		J									
FLUORIDE				.8 MG/L		-									
NITRATE/NITRITE				.12 MG/L		J									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				2.4 MG/L		-									
SULFATE				50 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.1 MG/L		U									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		UJ									
TOTAL ORGANIC NITROGEN				.1 MG/L		U									
INORGANICS															
ALUMINUM				19.4 MG/L		J									
ANTIMONY				.045 MG/L		UJ									
ARSENIC				.0086 MG/L		-									
BARIUM				.217 MG/L		J									
BERYLLIUM				.0011 MG/L		U									
CADMIUM				.003 MG/L		U									
CALCIUM				224 MG/L		-									
CHROMIUM				.0403 MG/L		UJ									
COBALT				.0187 MG/L		-									
COPPER				.0581 MG/L		-									
CYANIDE				.01 MG/L		U									
IRON				40.7 MG/L		J									
LEAD				.0143 MG/L		-									
MAGNESIUM				85.5 MG/L		-									
MANGANESE				.99 MG/L		-									
MERCURY				.0002 MG/L		U									

SAMPLE NUMBER:	119390			119418			119419			119421			119421F		
LAB:	FERMCO			DATACHEM			CORE			FERMCO			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				.0615 MG/L		-									
POTASSIUM				7.97 MG/L		-									
SELENIUM				.0022 MG/L		UJ									
SILVER				.0037 MG/L		J									
SODIUM				18.4 MG/L		-									
THALLIUM				.001 MG/L		U									
VANADIUM				.0373 MG/L		-									
ZINC				.103 MG/L		U									
RADIONUCLIDES															
URANIUM-238							4.6 PCI/L	.7	J						
URANIUM, TOTAL	4.8 UG/L		NV				13 UG/L	.9	-	11 UG/L		NV	11 UG/L		NV
URANIUM-234							5.7 PCI/L	1	J						
THORIUM-230							.9 PCI/L	.3	-						
RADIUM-226							2.6 PCI/L	.3	J						
URANIUM-235/236							.2 PCI/L	.5	UJ						
THORIUM-232							.9 PCI/L	.4	-						
THORIUM, TOTAL							8.20815444 PCI/L	.4	NV						
RADIUM-228							3 PCI/L	1.2	UJ						
THORIUM-228							.9 PCI/L	.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				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									

SAMPLE NUMBER:	119390			119418			119419			119421			119421F		
LAB:	FERMCO			DATACHEM			CORE			FERMCO			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															
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:	113792	113792	113792	113792	113792
TASK:	20.03.05	20.03.05	20.03.05	20.03.05	20.03.05
LAB:	IT	IT	IT/MWL	IT/RSL	ITAS
WELL OR BORING NUMBER:	11085	11085	11085	11085	11085
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-JUN-93	16-JUN-93	16-JUN-93	16-JUN-93	16-JUN-93
NORTH COORDINATE:	477869.01	477869.01	477869.01	477869.01	477869.01
EAST COORDINATE:	1379926.48	1379926.48	1379926.48	1379926.48	1379926.48
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													380.5 MG/L		-
AMMONIA													.11 MG/L		-
CHLORIDE													6.78 MG/L		-
FLUORIDE													.43 MG/L		-
NITRATE													.52 MG/L		J
PHENOLS													.01 MG/L		U
PHOSPHORUS													12.11 MG/L		-
SULFATE													85.6 MG/L		-
SULFIDE													.5 MG/L		U
TOTAL KJELDAHL NITROGEN													4.61 MG/L		-
TOTAL ORGANIC CARBON													1.3 MG/L		-
TOTAL ORGANIC HALIDES													.0205 MG/L		-
TOTAL ORGANIC NITROGEN													4.5 MG/L		-
INORGANICS															
ALUMINUM	.196 MG/L		U	184 MG/L		-									
ANTIMONY	.0074 MG/L		-	.005 MG/L		U									
ARSENIC	.002 MG/L		U	.007 MG/L		J									
BARIUM	.0778 MG/L		-	1.14 MG/L		-									
BERYLLIUM	.002 MG/L		U	.0096 MG/L		-									
CADMIUM	.005 MG/L		U	.005 MG/L		U									
CALCIUM	109 MG/L		-	1190 MG/L		-									
CHROMIUM	.01 MG/L		U	.196 MG/L		-									
COBALT	.01 MG/L		U	.116 MG/L		-									
COPPER	.01 MG/L		U	.332 MG/L		-									
CYANIDE				.002 MG/L		UNV									
IRON	.0246 MG/L		-	370 MG/L		-									
LEAD	.002 MG/L		U	.0992 MG/L		-									
MAGNESIUM	42.1 MG/L		-	384 MG/L		-									
MANGANESE	.0158 MG/L		-	6.49 MG/L		-									
MERCURY	.0002 MG/L		U	.0004 MG/L		-									

SAMPLE NUMBER:	113792			113792			113792			113792			113792		
LAB:	IT			IT			IT/MWL			IT/RSL			ITAS		
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		U	.108 MG/L		-									
NICKEL	.02 MG/L		U	.339 MG/L		-									
POTASSIUM	1.18 MG/L		-	27.4 MG/L		-									
SELENIUM	.002 MG/L		U	.01 MG/L		U									
SILICON	7.45 MG/L		-	78.6 MG/L		-									
SILVER	.01 MG/L		U	.0889 MG/L		-									
SODIUM	16.6 MG/L		J	12.8 MG/L		-									
THALLIUM	.002 MG/L		U	.002 MG/L		U									
VANADIUM	.01 MG/L		U	.376 MG/L		-									
ZINC	.005 MG/L		U	.94 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	1.43 PCI/L	.43	-							7.09 PCI/L	1.62	-			
URANIUM, TOTAL	4.33 UG/L	.67	-							13.7 UG/L	2.1	-			
URANIUM-234	1.72 PCI/L	.5	-							7.46 PCI/L	1.69	-			

SAMPLE NUMBER:	113792			113792			113792			113792			113792		
LAB:	IT			IT			IT/MWL			IT/RSL			ITAS		
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															
THORIUM-230	2.36 PCI/L	.76	J							11.2 PCI/L	2.7	-			
RADIUM-226	1 PCI/L		UJ							1.36 PCI/L	.54	J			
URANIUM-235/236	.2 PCI/L		UJ							.303 PCI/L	.16	J			
THORIUM-232	.216 PCI/L	.182	J							8.56 PCI/L	2.11	-			
THORIUM, TOTAL	1.97 UG/L	1.66	J							78 UG/L	19	-			
RADIUM-228	3 PCI/L	.82	U							5.45 PCI/L		UJ			
THORIUM-228	.344 PCI/L		UJ							9.87 PCI/L	2.4	-			
NEPTUNIUM-237	.59 PCI/L	.266	N							.5 PCI/L	.157	U			
PLUTONIUM-239/240	.5 PCI/L	.1431	UJ							.5 PCI/L	.1084	UJ			
PLUTONIUM-238	.5 PCI/L	.205	UJ							.5 PCI/L	.17	UJ			
STRONTIUM-90	1 PCI/L		UJ							1.02 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	18 PCI/L		UJ							14 PCI/L		UJ			
GROSS ALPHA	12.1 PCI/L	6.3	J							198 PCI/L	128	J			
GROSS BETA	4.85 PCI/L		UJ							426 PCI/L	89	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-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:	113792			113792			113792			113792			113792		
LAB:	IT			IT			IT/MWL			IT/RSL			ITAS		
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															
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						
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		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							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		
1,1,2,2-TETRACHLOROETHANE													10 UG/L		

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SAMPLE NUMBER:	113792			113792			113792			113792			113792		
LAB:	IT			IT			IT/MWL			IT/RSL			ITAS		
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															
1,1,2-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:	070559	122949	122198	070708	121925
TASK:	50.03.18	50.03.18	50.03.18	50.03.18	50.03.18
LAB:	TCT	TCT	TCT	TCT	TCT
WELL OR BORING NUMBER:	11091	11092	11093	11094	11095
DEPTH:	14-16	7.5-11	9.5-10.5	-	13-16
DATE COLLECTED:	09-AUG-93	06-AUG-93	23-JUL-93	10-AUG-93	16-JUL-93
NORTH COORDINATE:	480554.54	480468.62	480416.5	480404.39	480030.02
EAST COORDINATE:	1380456.89	1380151.66	1380394.69	1380631.46	1380327.15
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)
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		U	32 UG/L		-	3 UG/L		J	10 UG/L		U	10 UG/L		U
1,1,2,2-TETRACHLOROETHANE	2 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
1,1,2-TRICHLOROETHANE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
1,1-DICHLOROETHANE	3 UG/L		J	8 UG/L		J	10 UG/L		U	10 UG/L		U	4 UG/L		J
1,1-DICHLOROETHENE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
1,2-DICHLOROETHANE	1 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	2 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
1,2-DICHLOROPROPANE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
2-BUTANONE	10 UG/L		UR	10 UG/L		UR	10 UG/L		UR	10 UG/L		UR	10 UG/L		UR
2-HEXANONE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
4-METHYL-2-PENTANONE	4 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
ACETONE	16 UG/L		UJ	10 UG/L		U	19 UG/L		UJ	10 UG/L		UJ	19 UG/L		UJ
BENZENE	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U	10 UG/L		U
BROMODICHLOROMETHANE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
BROMOFORM	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
BROMOMETHANE	10 UG/L		U	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U
CARBON DISULFIDE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
CARBON TETRACHLORIDE	10 UG/L		U	5 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U
CHLOROBENZENE	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U	10 UG/L		U
CHLOROETHANE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
CHLOROFORM	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
CHLOROMETHANE	10 UG/L		U	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U
CIS-1,3-DICHLOROPROPENE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
DIBROMOCHLOROMETHANE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
ETHYLBENZENE	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U	10 UG/L		U
METHYLENE CHLORIDE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
STYRENE	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U	10 UG/L		U
TETRACHLOROETHENE	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
TOLUENE	1 UG/L		J	2 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U
TRANS-1,3-DICHLOROPROPENE	10 UG/L		U	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U
TRICHLOROETHENE	1 UG/L		J	10 UG/L		U	10 UG/L		U	10 UG/L		U	10 UG/L		U
VINYL ACETATE	10 UG/L		UJ	10 UG/L		UJ	10 UG/L		U	10 UG/L		UJ	10 UG/L		U

SAMPLE NUMBER:	070559			122949			122198			070708			121925		
LAB:	TCT			TCT			TCT			TCT			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															
VINYL CHLORIDE	10 UG/L		U	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U
XYLENES, TOTAL	10 UG/L		U	10 UG/L		UJ	10 UG/L		U	10 UG/L		U	10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	122989			122989			121484			122827			122827		
TASK:	50.03.18			50.03.18			50.03.18			50.03.18			50.03.18		
LAB:	IT			IT			TCT			IT			IT		
WELL OR BORING NUMBER:	11096			11096			11097			11098			11098		
DEPTH:	14-16			14-16			13-16			8.5-13.5			8.5-13.5		
DATE COLLECTED:	05-AUG-93			05-AUG-93			14-JUL-93			07-AUG-93			07-AUG-93		
NORTH COORDINATE:	479934.04			479934.04			479846.56			479751.49			479751.49		
EAST COORDINATE:	1379916.7			1379916.7			1380203.95			1379929.63			1379929.63		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			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															
1,1,1-TRICHLOROETHANE				10 UG/L		U	10 UG/L		U				23 UG/L		-
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UJ	10 UG/L		U				10 UG/L		UJ
1,1,2-TRICHLOROETHANE				10 UG/L		U	10 UG/L		U				10 UG/L		U
1,1-DICHLOROETHANE				50 UG/L		-	10 UG/L		U				27 UG/L		-
1,1-DICHLOROETHENE				9 UG/L		J	10 UG/L		U				11 UG/L		U
1,2-DICHLOROETHANE				10 UG/L		U							4 UG/L		J
1,2-DICHLOROETHENE (TOTAL)	630 UG/L		-				10 UG/L		U				60 UG/L		-
1,2-DICHLOROPROPANE				10 UG/L		U	10 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		UJ	10 UG/L		U				10 UG/L		UJ
4-METHYL-2-PENTANONE				10 UG/L		UJ	10 UG/L		U				10 UG/L		UJ
ACETONE				10 UG/L		UJ	10 UG/L		UJ				10 UG/L		UJ
BENZENE				10 UG/L		U	10 UG/L		U				10 UG/L		U
BROMODICHLOROMETHANE				10 UG/L		U	10 UG/L		U				10 UG/L		U
BROMOFORM				10 UG/L		U	10 UG/L		UJ				10 UG/L		U
BROMOMETHANE				10 UG/L		U	10 UG/L		U				10 UG/L		U
CARBON DISULFIDE				10 UG/L		U	10 UG/L		UJ				10 UG/L		U
CARBON TETRACHLORIDE				10 UG/L		U	10 UG/L		U				10 UG/L		U
CHLOROBENZENE				10 UG/L		U	10 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	10 UG/L		U				10 UG/L		U
CHLOROMETHANE				10 UG/L		U	10 UG/L		U				10 UG/L		U
CIS-1,3-DICHLOROPROPENE				10 UG/L		U	10 UG/L		U				10 UG/L		U
DIBROMOCHLOROMETHANE				10 UG/L		U	10 UG/L		U				10 UG/L		U
ETHYLBENZENE				10 UG/L		U	10 UG/L		U				10 UG/L		U
METHYLENE CHLORIDE				18 UG/L		UJ	10 UG/L		U				13 UG/L		UJ
STYRENE				10 UG/L		U	10 UG/L		U				10 UG/L		U
TETRACHLOROETHENE				10 UG/L		U	10 UG/L		U	310 UG/L		-			
TOLUENE				10 UG/L		U	10 UG/L		U				10 UG/L		U
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U	10 UG/L		U				10 UG/L		U
TRICHLOROETHENE				44 UG/L		-	10 UG/L		U				20 UG/L		-
VINYL ACETATE				10 UG/L		UJ	10 UG/L		UJ				10 UG/L		UJ

6416

001545

SAMPLE NUMBER:	122989			122989			121484			122827			122827		
LAB:	IT			IT			TCT			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			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				120 UG/L		-	10 UG/L		U				31 UG/L		-
XYLENES, TOTAL				10 UG/L		U	10 UG/L		U				10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	121445			045162			045613			045161			120208		
TASK:	50.03.18			3.7			3.7			3.7			50.03.23		
LAB:	TCT			IT			IT			WMCO			DATACHEM		
WELL OR BORING NUMBER:	11099			1110			1110			1110			1110		
DEPTH:	16-19			-			-			-			-		
DATE COLLECTED:	12-JUL-93			06-OCT-89			06-OCT-89			10-AUG-89			10-JUN-93		
NORTH COORDINATE:	479741.53			480426.28			480426.28			480426.28			480426.28		
EAST COORDINATE:	1379978.82			1381889.78			1381889.78			1381889.78			1381889.78		
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													290 MG/L		-
AMMONIA													.05 MG/L		U
CHLORIDE													4.5 MG/L		-
FLUORIDE													.3 MG/L		-
NITRATE				.352 MG/L		-							1 MG/L		-
NITRATE/NITRITE													1 MG/L		-
PHENOLS													.002 MG/L		U
PHOSPHORUS													.27 MG/L		-
SULFATE													150 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		U
INORGANICS															
ALUMINUM													57.9 MG/L		-
ANTIMONY													.0157 MG/L		U
ARSENIC													.0054 MG/L		-
BARIUM													.602 MG/L		-
BERYLLIUM													.0037 MG/L		U
CADMIUM													.0012 MG/L		U
CALCIUM													342 MG/L		-
CHROMIUM													.0868 MG/L		-
COBALT													.0574 MG/L		-
COPPER													.0794 MG/L		-
CYANIDE													.01 MG/L		U
IRON													103 MG/L		-
LEAD													.023 MG/L		-
MAGNESIUM													111 MG/L		-
MANGANESE													5.75 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.11 MG/L		-

SAMPLE NUMBER:	121445			045162			045613			045161			120208		
LAB:	TCT			IT			IT			WMCO			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															
POTASSIUM													15.2 MG/L		-
SELENIUM													.02 MG/L		UJ
SILVER													.0029 MG/L		UJ
SODIUM													7.82 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.112 MG/L		-
ZINC													.252 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL							69 UG/L	7	-	36.8 UG/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE	2 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	1 UG/L		J										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)	7 UG/L		J										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	40 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		UJ
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	1 UG/L		J										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												
VINYL CHLORIDE	10 UG/L		U										10 UG/L		U

SAMPLE NUMBER:	121445			045162			045613			045161			120208		
LAB:	TCT			IT			IT			WMCO			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)
VOLATILES															
XYLENES, TOTAL	10 UG/L		U										10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120208F	120210-1	120210	120210F	120211
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	FERMCO	FERMCO	FERMCO	CORE
WELL OR BORING NUMBER:	1110	1110	1110	1110	1110
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	480426.28	480426.28	480426.28	480426.28	480426.28
EAST COORDINATE:	1381889.78	1381889.78	1381889.78	1381889.78	1381889.78
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)
INORGANICS															
ALUMINUM	.0842 MG/L		-												
ANTIMONY	.0157 MG/L		U												
ARSENIC	.001 MG/L		U												
BARIUM	.0715 MG/L		-												
BERYLLIUM	.00083 MG/L		U												
CADMIUM	.0012 MG/L		U												
CALCIUM	123 MG/L		-												
CHROMIUM	.0045 MG/L		U												
COBALT	.0034 MG/L		U												
COPPER	.0024 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	.0121 MG/L		U												
LEAD	.001 MG/L		U												
MAGNESIUM	35.6 MG/L		-												
MANGANESE	.0094 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.007 MG/L		U												
POTASSIUM	1.21 MG/L		-												
SELENIUM	.002 MG/L		U												
SILVER	.0029 MG/L		UJ												
SODIUM	7.65 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0029 MG/L		U												
ZINC	.004 MG/L		U												
RADIONUCLIDES															
URANIUM-238													19.9 PCI/L	2.3	J
URANIUM, TOTAL				51 UG/L		NV	51 UG/L		NV	56 UG/L		NV	51.4 UG/L	3.6	-
URANIUM-234													15.6 PCI/L	1.9	J
THORIUM-230													.4 PCI/L	.3	J
RADIUM-226													4.2 PCI/L	.7	J

SAMPLE NUMBER:	120208F			120210-1			120210			120210F			120211		
LAB:	DATACHEM			FERMCO			FERMCO			FERMCO			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)
RADIONUCLIDES															
URANIUM-235/236													1.7 PCI/L	.6	J
THORIUM-232													.5 PCI/L	.3	J
THORIUM, TOTAL													4.56009304 PCI/L	.3	NV
RADIUM-228													3 PCI/L	1.3	U
THORIUM-228													.6 PCI/L	.7	J
TECHNETIUM-99													15 PCI/L	5.7	UJ
GROSS ALPHA													59 PCI/L	14.2	NV
GROSS BETA													38.9 PCI/L	13	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120211F	120212	120212F	120214	120214F
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:	1110	1110	1110	1110	1110
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	480426.28	480426.28	480426.28	480426.28	480426.28
EAST COORDINATE:	1381889.78	1381889.78	1381889.78	1381889.78	1381889.78
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE
QC OF:		120208	120208F	120210	120210F
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									
CHLORIDE				5.1 MG/L		-									
FLUORIDE				.2 MG/L		-									
NITRATE/NITRITE				1.9 MG/L		-									
PHENOLS				.002 MG/L		U									
PHOSPHORUS				.34 MG/L		-									
SULFATE				140 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
INORGANICS															
ALUMINUM				41.6 MG/L		-	.06 MG/L		U						
ANTIMONY				.0157 MG/L		U	.0157 MG/L		U						
ARSENIC				.0046 MG/L		-	.001 MG/L		U						
BARIUM				.619 MG/L		-	.0656 MG/L		-						
BERYLLIUM				.0029 MG/L		U	.00067 MG/L		U						
CADMIUM				.0012 MG/L		U	.0012 MG/L		U						
CALCIUM				316 MG/L		-	121 MG/L		-						
CHROMIUM				.0635 MG/L		-	.0039 MG/L		U						
COBALT				.0393 MG/L		-	.0039 MG/L		U						
COPPER				.0576 MG/L		-	.0024 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				80.1 MG/L		-	.0147 MG/L		U						
LEAD				.0169 MG/L		-	.001 MG/L		U						
MAGNESIUM				97.2 MG/L		-	34.6 MG/L		-						
MANGANESE				3.64 MG/L		-	.0135 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0805 MG/L		-	.0077 MG/L		-						
POTASSIUM				10.6 MG/L		-	1.17 MG/L		-						

SAMPLE NUMBER:	120211F			120212			120212F			120214			120214F		
LAB:	CORE			DATACHEM			DATACHEM			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)
INORGANICS															
SELENIUM				.002 MG/L		UJ	.002 MG/L		U						
SILVER				.0029 MG/L		UJ	.0029 MG/L		UJ						
SODIUM				8.41 MG/L		-	8.19 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						
VANADIUM				.0806 MG/L		-	.0029 MG/L		U						
ZINC				.204 MG/L		-	.004 MG/L		U						
RADIONUCLIDES															
URANIUM-238	16.3 PCI/L	3	J												
URANIUM, TOTAL	42.1 UG/L	2.9	-							72 UG/L		NV	64 UG/L		NV
URANIUM-234	14.5 PCI/L	2.5	J												
THORIUM-230	.2 PCI/L	.2	UJ												
RADIUM-226	1 PCI/L	.2	U												
URANIUM-235/236	.5 PCI/L	.4	J												
THORIUM-232	.2 PCI/L	.3	UJ												
RADIUM-228	3 PCI/L	1.6	U												
THORIUM-228	.2 PCI/L	.4	UJ												
TECHNETIUM-99	16.3 PCI/L	9.7	UJ												
GROSS ALPHA	30 PCI/L	4.1	NV												
GROSS BETA	20.4 PCI/L	3.4	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									
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		UJ									
CIS-1,3-DICHLOROPROPENE				10 UG/L		U									

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SAMPLE NUMBER:	120211F			120212			120212F			120214			120214F		
LAB:	CORE			DATACHEM			DATACHEM			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)
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:	120215	120215F	EMGW_SYSGEN_277	EMGW_SYSGEN_277	EMGW_SYSGEN_278
TASK:	50.03.23	50.03.23	GWMON	GWMON	GWMON
LAB:	CORE	CORE	IT	NET	IT
WELL OR BORING NUMBER:	1110	1110	1110	1110	1110
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	10-JUN-93	13-DEC-90	13-DEC-90	13-MAR-91
NORTH COORDINATE:	480426.28	480426.28	480426.28	480426.28	480426.28
EAST COORDINATE:	1381889.78	1381889.78	1381889.78	1381889.78	1381889.78
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	120211	120211F			
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										279 MG/L		NV			
AMMONIA										.03 MG/L		NV			
CHLORIDE										8 MG/L		NV			
FLUORIDE										.17 MG/L		NV			
NITRATE/NITRITE										.48 MG/L		NV			
PH										6.44 SU		NV			
PHENOLS										.005 MG/L		UNV			
PHOSPHORUS										2.58 MG/L		NV			
SPECIFIC CONDUCTIVITY										992 UMHOS/CM		NV			
SULFATE										205 MG/L		NV			
TOTAL DISSOLVED SOLIDS										632 MG/L		NV			
TOTAL ORGANIC CARBON										1 MG/L		UNV			
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
INORGANICS															
CYANIDE										.005 MG/L		UNV			
No sort code listed.															
TRANS-1,2-DICHLOROETHENE										1 UG/L		UNV			
RADIONUCLIDES															
URANIUM-238	20.2 PCI/L	3.2	R	23.1 PCI/L	3.7	J	13.4 PCI/L		NV				24.8 PCI/L		NV
URANIUM, TOTAL	64.4 UG/L	4.5	-	66 UG/L	4.6	-	43.7 UG/L		NV				45.2 UG/L		NV
URANIUM-234	16.9 PCI/L	2.8	R	19.2 PCI/L	3.2	J	12.8 PCI/L		NV				20.5 PCI/L		NV
THORIUM-230	.8 PCI/L	.3	J	.7 PCI/L	.3	J	4.36 PCI/L		NV				.847 PCI/L		NV
RADIUM-226	1.6 PCI/L	.5	-	1.1 PCI/L	.4	-	1 PCI/L		UNV				1 PCI/L		UNV
URANIUM-235/236	1.9 PCI/L	.7	R	.9 PCI/L	.5	J	1.17 PCI/L		NV				1.43 PCI/L		NV
THORIUM-232	1.1 PCI/L	.4	J	.2 PCI/L	.3	UJ	4.71 PCI/L		NV				.28 PCI/L		UNV
THORIUM, TOTAL	10.0322348 PCI/L		NV				42.5 UG/L		NV				2.6 UG/L		UNV

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SAMPLE NUMBER:	120215			120215F			EMGW_SYSGEN_277			EMGW_SYSGEN_277			EMGW_SYSGEN_278		
LAB:	CORE			CORE			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)
RADIONUCLIDES															
RADIUM-228	3 PCI/L	1.5	U	3 PCI/L	1.2	U	3 PCI/L		UNV				3 PCI/L		UNV
THORIUM-228	1.6 PCI/L	.5	J	.2 PCI/L	.9	UJ	.216 PCI/L		NV				.551 PCI/L		NV
NEPTUNIUM-237													.5 PCI/L		UNV
PLUTONIUM-239/240													.5 PCI/L		UNV
PLUTONIUM-238													.5 PCI/L		UNV
TECHNETIUM-99	39.4 PCI/L	8.1	J										26 PCI/L		UNV
RUTHENIUM-106													150 PCI/L		UNV
CESIUM-137													7.1 PCI/L		UNV
GROSS ALPHA	58.6 PCI/L	11	NV	18.5 PCI/L	3	NV	128 PCI/L		NV				157 PCI/L		NV
GROSS BETA	75.4 PCI/L	8.4	NV	32.5 PCI/L	2.2	NV	134 PCI/L		NV				222 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:	120215			120215F			EMGW_SYSGEN_277			EMGW_SYSGEN_277			EMGW_SYSGEN_278		
LAB:	CORE			CORE			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															
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:	EMGW_SYSGEN_278	EMGW_SYSGEN_275	EMGW_SYSGEN_274	EMGW_SYSGEN_274	003529
TASK:	GWMON	GWMON	GWMON	GWMON	3.2.4
LAB:	NET	NET	IT	NET	IT
WELL OR BORING NUMBER:	1110	1110	1110	1110	1110
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAR-91	18-SEP-90	20-JUN-90	20-JUN-90	25-JAN-89
NORTH COORDINATE:	480426.28	480426.28	480426.28	480426.28	480426.28
EAST COORDINATE:	1381889.78	1381889.78	1381889.78	1381889.78	1381889.78
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	372 MG/L		NV	231 MG/L		NV									
AMMONIA	.1 MG/L		NV												
CHLORIDE	11 MG/L		NV	7 MG/L		NV				12 MG/L		NV			
FLUORIDE	.19 MG/L		NV	1.39 MG/L		NV									
NITRATE, AS NITROGEN	.53 MG/L		NV	.55 MG/L		NV				1.16 MG/L		NV			
PH	7.21 SU		NV	6.99 SU		NV									
PHENOLS	.005 MG/L		UNV	.005 MG/L		UNV									
PHOSPHORUS	4.54 MG/L		NV												
SPECIFIC CONDUCTIVITY	1920 UMHOS/CM		NV	901 UMHOS/CM		NV									
SULFATE	288 MG/L		NV	231 MG/L		NV				214 MG/L		NV			
TOTAL DISSOLVED SOLIDS	1140 MG/L		NV	745 MG/L		NV									
TOTAL ORGANIC CARBON	12 MG/L		NV	5 MG/L		NV				5 MG/L		NV			
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV	.01 MG/L		UNV				.01 MG/L		UNV			
INORGANICS															
ALUMINUM	34.4 MG/L		NV												
ANTIMONY	.025 MG/L		UNV												
ARSENIC	.024 MG/L		NV												
BARIUM	.678 MG/L		NV												
BERYLLIUM	.01 MG/L		UNV												
CADMIUM	.001 MG/L		UNV												
CALCIUM	370 MG/L		NV												
CHROMIUM	.098 MG/L		NV												
COBALT	.025 MG/L		UNV												
COPPER	.068 MG/L		NV												
CYANIDE	.005 MG/L		UNV												
IRON	93.4 MG/L		NV												
LEAD	.067 MG/L		NV												
MAGNESIUM	129 MG/L		NV												
MANGANESE	.54 MG/L		NV												
MERCURY	.0002 MG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_278			EMGW_SYSGEN_275			EMGW_SYSGEN_274			EMGW_SYSGEN_274			003529		
LAB:	NET			NET			IT			NET			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	.025 MG/L		UNV												
NICKEL	.094 MG/L		NV												
POTASSIUM	13.3 MG/L		NV												
SELENIUM	.0025 MG/L		UNV												
SILVER	.001 MG/L		UNV												
SODIUM	9 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.176 MG/L		NV												
ZINC	.318 MG/L		NV												
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM-238							.25 PCI/L		UNV						
URANIUM, TOTAL							1 UG/L		UNV						
URANIUM-234							.337 PCI/L		NV						
THORIUM-230							.807 PCI/L		NV						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							.25 PCI/L		UNV						
THORIUM-232							3.13 PCI/L		NV						
THORIUM, TOTAL							28.2 UG/L		NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.45 PCI/L		UNV						
STRONTIUM-90													5 PCI/L		U
GROSS ALPHA							150 PCI/L		UNV						
GROSS BETA							361 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 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			

SAMPLE NUMBER:	EMGW_SYSGEN_278			EMGW_SYSGEN_275			EMGW_SYSGEN_274			EMGW_SYSGEN_274			003529		
LAB:	NET			NET			IT			NET			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															
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	1 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	1 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	1 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	1 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_276	EMGW_SYSGEN_276D	045614	121963	121582
TASK:	GWMON	GWMON	3.7	50.03.18	50.03.18
LAB:	NET	NET	IT	TCT	TCT
WELL OR BORING NUMBER:	1110	1110	1110	11100	11101
DEPTH:	-	-	-	18.5-20	14.5-17
DATE COLLECTED:	25-OCT-90	25-OCT-90	31-JAN-90	23-JUL-93	23-JUL-93
NORTH COORDINATE:	480426.28	480426.28	480426.28	479637.03	480776.06
EAST COORDINATE:	1381889.78	1381889.78	1381889.78	1380251.93	1380362.71
QA TYPE:	NORMAL	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:		EMGW_SYSGEN_276			
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							.44 MG/L								
INORGANICS															
LEAD	.04 MG/L		NV	.039 MG/L		NV									
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		UR	10 UG/L		UR
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	25 UG/L		UJ
BENZENE	.5 UG/L		UNV	.5 UG/L		UNV				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		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

SAMPLE NUMBER:	EMGW_SYSGEN_276			EMGW_SYSGEN_276D			045614			121963			121582		
LAB:	NET			NET			IT			TCT			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															
ETHYLBENZENE	.5 UG/L		UNV	.5 UG/L		UNV				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	.5 UG/L		UNV	.5 UG/L		UNV				10 UG/L		U	10 UG/L		U
TRANS-1,3-DICHLOROPROPENE										10 UG/L		U	10 UG/L		UJ
TRICHLOROETHENE										10 UG/L		U	10 UG/L		U
VINYL ACETATE										10 UG/L		U	10 UG/L		U
VINYL CHLORIDE										10 UG/L		U	10 UG/L		UJ
XYLENES, TOTAL	1 UG/L		UNV	1 UG/L		UNV				10 UG/L		U	10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	070658	122628	930805-035	930805-012	930802-045
TASK:	50.03.18	50.03.18	50.03.18	50.03.18	50.03.18
LAB:	TCT	TCT	CORE	CORE	CORE
WELL OR BORING NUMBER:	11102	11103	11107	11107	11107
DEPTH:	6.5-10.5	14-19	-	-	-
DATE COLLECTED:	10-AUG-93	27-JUL-93	03-AUG-93	05-AUG-93	30-JUL-93
NORTH COORDINATE:	480706.9	480700.44	480386.36	480386.36	480386.36
EAST COORDINATE:	1380388.01	1380435.98	1381778.73	1381778.73	1381778.73
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)
RADIONUCLIDES															
URANIUM-238							10.3 PCI/L	2.1	R	.5 PCI/L	.5	R	.2 PCI/L	1.9	R
URANIUM, TOTAL							53.9 UG/L	3.8	-	3.8 UG/L	.3	-	.1 UG/L	.1	U
URANIUM-234							11.9 PCI/L	2.3	R	.2 PCI/L	.3	R	.2 PCI/L	.2	R
THORIUM-230							1.7 PCI/L	1.1	J	.5 PCI/L	.2	J			
RADIUM-226							6.2 PCI/L	.5	-	1.3 PCI/L	.2	-			
URANIUM-235/236							.5 PCI/L	1	R	.1 PCI/L	.8	R	.1 PCI/L	.1	R
THORIUM-232							2.6 PCI/L	1.7	J	.8 PCI/L	.3	J			
THORIUM, TOTAL							23.7127065 PCI/L	1.7	NV	7.2961224 PCI/L	.3	NV			
RADIUM-228										3 PCI/L	.2	U			
THORIUM-228							5.1 PCI/L	3.1	J	.8 PCI/L	.2	J			
VOLATILES															
1,1,1-TRICHLOROETHANE	18 UG/L		-	5 UG/L		J									
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	45 UG/L		-	17 UG/L		-									
1,1-DICHLOROETHENE	5 UG/L		J	10 UG/L		U									
1,2-DICHLOROETHANE	1 UG/L		J	1 UG/L		J									
1,2-DICHLOROETHENE (TOTAL)	10 UG/L		U	10 UG/L		UJ									
1,2-DICHLOROPROPANE	10 UG/L		U	10 UG/L		U									
2-BUTANONE	13 UG/L		J	10 UG/L		UR									
2-HEXANONE	1 UG/L		J	10 UG/L		U									
4-METHYL-2-PENTANONE	10 UG/L		U	10 UG/L		U									
ACETONE	27 UG/L		UJ	10 UG/L		UJ									
BENZENE	1 UG/L		J	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	3 UG/L		J	10 UG/L		U									
CHLOROBENZENE	10 UG/L		U	10 UG/L		U									

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SAMPLE NUMBER:	070658			122628			930805-035			930805-012			930802-045		
LAB:	TCT			TCT			CORE			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															
CHLOROETHANE	26 UG/L		-	10 UG/L		U									
CHLOROFORM	2 UG/L		J	10 UG/L		U									
CHLOROMETHANE	10 UG/L		U	2 UG/L		J									
CIS-1,3-DICHLOROPROPENE	10 UG/L		U	10 UG/L		U									
DIBROMOCHLOROMETHANE	10 UG/L		U	10 UG/L		U									
ETHYLBENZENE	1 UG/L		J	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	1 UG/L		J	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		UJ									
VINYL CHLORIDE	1 UG/L		J	10 UG/L		U									
XYLENES, TOTAL	4 UG/L		J	10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	930802-046			930802-047			930802-048			930802-049			930802-050		
TASK:	50.03.18			50.03.18			50.03.18			50.03.18			50.03.18		
LAB:	CORE			CORE			CORE			CORE			CORE		
WELL OR BORING NUMBER:	11107			11107			11107			11107			11107		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUL-93			30-JUL-93			30-JUL-93			30-JUL-93			30-JUL-93		
NORTH COORDINATE:	480386.36			480386.36			480386.36			480386.36			480386.36		
EAST COORDINATE:	1381778.73			1381778.73			1381778.73			1381778.73			1381778.73		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:				930802-056											
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-238	1.3 PCI/L	1.9	R	4.2 PCI/L	1.9	J	2 PCI/L	1.9	R	2.2 PCI/L	1.9	J	30.8 PCI/L	3.5	J
URANIUM, TOTAL	.1 UG/L	.1	U	19.5 UG/L	1.4	J	7.2 UG/L	.5	-	5.1 UG/L	.4	-	80.4 UG/L	5.6	-
URANIUM-234	1.1 PCI/L	.3	R	3.2 PCI/L	.5	J	2.3 PCI/L	.7	R	2 PCI/L	.4	J	26.6 PCI/L	2.5	J
URANIUM-235/236	.1 PCI/L	.1	R	.3 PCI/L	.1	J	.2 PCI/L	.1	R	.2 PCI/L	.1	UJ	1.5 PCI/L	.3	J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	930802-051			930802-052			930802-053			930802-054			930802-055		
TASK:	50.03.18			50.03.18			50.03.18			50.03.18			50.03.18		
LAB:	CORE			CORE			CORE			CORE			CORE		
WELL OR BORING NUMBER:	11107			11107			11107			11107			11107		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUL-93			30-JUL-93			30-JUL-93			30-JUL-93			30-JUL-93		
NORTH COORDINATE:	480386.36			480386.36			480386.36			480386.36			480386.36		
EAST COORDINATE:	1381778.73			1381778.73			1381778.73			1381778.73			1381778.73		
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)
RADIONUCLIDES															
URANIUM-238	1.8 PCI/L	1.9	J	4 PCI/L	1.9	J	2.6 PCI/L	1.9	R	2.8 PCI/L	1.9	J	4.5 PCI/L	2	R
URANIUM, TOTAL	4.2 UG/L	.3	-	30.8 UG/L	2.2	J	5.1 UG/L	.4	-	9.9 UG/L	.7	J	14.6 UG/L	1	R
URANIUM-234	1.5 PCI/L	.4	J	3.9 PCI/L	.6	J	2.6 PCI/L	.4	R	2.5 PCI/L	.4	J	3.9 PCI/L	.6	R
URANIUM-235/236	.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ	.2 PCI/L	.1	R	.2 PCI/L	.1	UJ	.2 PCI/L	.1	R

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	930802-056	045164	045360	120105	120105F
TASK:	50.03.18	3.7	3.7	50.03.23	50.03.23
LAB:	CORE	IT	IT	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	11107	1111	1111	1111	1111
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-JUL-93	06-OCT-89	06-OCT-89	10-JUN-93	10-JUN-93
NORTH COORDINATE:	480386.36	480196.16	480196.16	480196.16	480196.16
EAST COORDINATE:	1381778.73	1381878.06	1381878.06	1381878.06	1381878.06
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										260 MG/L		-			
AMMONIA										.05 MG/L		U			
CHLORIDE										9 MG/L		-			
FLUORIDE										.2 MG/L		-			
NITRATE							.44 MG/L		-	.88 MG/L		-			
NITRATE/NITRITE										.88 MG/L		-			
PHENOLS										.002 MG/L		U			
PHOSPHORUS										.29 MG/L		-			
SULFATE										55 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
INORGANICS															
ALUMINUM										27.3 MG/L		-	.0678 MG/L		-
ANTIMONY										.0157 MG/L		U	.0157 MG/L		U
ARSENIC										.0038 MG/L		-	.001 MG/L		U
BARIUM										.175 MG/L		-	.0437 MG/L		-
BERYLLIUM										.0021 MG/L		U	.00054 MG/L		U
CADMIUM										.0012 MG/L		U	.0012 MG/L		U
CALCIUM										184 MG/L		-	88.7 MG/L		-
CHROMIUM										.0443 MG/L		-	.0042 MG/L		U
COBALT										.0231 MG/L		U	.0034 MG/L		U
COPPER										.0461 MG/L		-	.0024 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON										51.3 MG/L		-	.076 MG/L		U
LEAD										.015 MG/L		-	.001 MG/L		U
MAGNESIUM										72 MG/L		-	23.6 MG/L		-
MANGANESE										.849 MG/L		-	.0052 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.0463 MG/L		U	.007 MG/L		U

SAMPLE NUMBER:	930802-056			045164			045360			120105			120105F		
LAB:	CORE			IT			IT			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)
INORGANICS															
POTASSIUM										8.23 MG/L		-	1.02 MG/L		-
SELENIUM										.002 MG/L		UJ	.002 MG/L		U
SILVER										.0029 MG/L		UJ	.0029 MG/L		UJ
SODIUM										6.78 MG/L		-	6.14 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.0547 MG/L		-	.0029 MG/L		U
ZINC										.132 MG/L		-	.0105 MG/L		U
RADIONUCLIDES															
URANIUM-238	2.7 PCI/L	1.9	J												
URANIUM, TOTAL	9.1 UG/L	.6	J	41 UG/L	4	-									
URANIUM-234	2.6 PCI/L	.5	J												
URANIUM-235/236	.2 PCI/L	.1	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		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		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			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	930802-056			045164			045360			120105			120105F		
LAB:	CORE			IT			IT			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)
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:	120108			120108F			120109			120109F			EMGW_SYSGEN_281	
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			GWMON	
LAB:	FERMCO			FERMCO			CORE			CORE			IT	
WELL OR BORING NUMBER:	1111			1111			1111			1111			1111	
DEPTH:	-			-			-			-			-	
DATE COLLECTED:	10-JUN-93			10-JUN-93			10-JUN-93			10-JUN-93			13-DEC-90	
NORTH COORDINATE:	480196.16			480196.16			480196.16			480196.16			480196.16	
EAST COORDINATE:	1381878.06			1381878.06			1381878.06			1381878.06			1381878.06	
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							8.7 PCI/L	1.5	R	8.3 PCI/L	1.8	J	10.8 PCI/L		NV
URANIUM, TOTAL	25 UG/L		NV	22 UG/L		NV	24.9 UG/L	1.7	-	17 UG/L	1.2	-	20.9 UG/L		NV
URANIUM-234							8.2 PCI/L	1.4	R	7.6 PCI/L	1.2	J	11 PCI/L		NV
THORIUM-230							.5 PCI/L	.3	J	.3 PCI/L	.2	UJ	.58 PCI/L		UNV
RADIUM-226							2.6 PCI/L	.6	-	1 PCI/L	.2	UJ	1 PCI/L		UNV
URANIUM-235/236							.3 PCI/L	.5	R	.3 PCI/L	.3	J	.753 PCI/L		NV
THORIUM-232							.3 PCI/L	.3	J	.2 PCI/L	.3	UJ	.58 PCI/L		UNV
THORIUM, TOTAL							2.7360736 PCI/L	.3	NV				5.3 UG/L		UNV
RADIUM-228							3 PCI/L	1.2	U	3 PCI/L	1.1	U	3 PCI/L		UNV
THORIUM-228							.4 PCI/L	.4	J	.2 PCI/L	.4	UJ	1.87 PCI/L		NV
TECHNETIUM-99							33.9 PCI/L	7.7	J	15.8 PCI/L	9.1	UJ			
GROSS ALPHA							20.5 PCI/L	9.6	NV	10.7 PCI/L	2.6	NV	30 PCI/L		NV
GROSS BETA							21.3 PCI/L	6.9	NV	7.4 PCI/L	2.4	NV	51.2 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_281			EMGW_SYSGEN_282			EMGW_SYSGEN_282			045163			EMGW_SYSGEN_280		
TASK:	GWMON			GWMON			GWMON			3.7			GWMON		
LAB:	NET			IT			NET			WMCO			NET		
WELL OR BORING NUMBER:	1111			1111			1111			1111			1111		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-DEC-90			13-MAR-91			13-MAR-91			18-JUL-89			18-SEP-90		
NORTH COORDINATE:	480196.16			480196.16			480196.16			480196.16			480196.16		
EAST COORDINATE:	1381878.06			1381878.06			1381878.06			1381878.06			1381878.06		
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	256 MG/L		NV				222 MG/L		NV				255 MG/L		NV
AMMONIA	.04 MG/L		NV				.06 MG/L		NV						
CHLORIDE	8 MG/L		NV				6 MG/L		NV				8 MG/L		NV
FLUORIDE	.16 MG/L		NV				.24 MG/L		NV				1.99 MG/L		NV
NITRATE, AS NITROGEN							1.72 MG/L		NV				2.04 MG/L		NV
NITRATE/NITRITE	1.49 MG/L		NV												
PH	6.52 SU		NV				7.2 SU		NV				6.9 SU		NV
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV				.005 MG/L		UNV
PHOSPHORUS	.44 MG/L		NV				3.13 MG/L		NV						
SPECIFIC CONDUCTIVITY	638 UMHOS/CM		NV				510 UMHOS/CM		NV				597 UMHOS/CM		NV
SULFATE	61 MG/L		NV				68 MG/L		NV				63 MG/L		NV
TOTAL DISSOLVED SOLIDS	384 MG/L		NV				324 MG/L		NV				480 MG/L		NV
TOTAL ORGANIC CARBON	1 MG/L		UNV				14 MG/L		NV				5 MG/L		NV
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV				.01 MG/L		UNV				.014 MG/L		NV
INORGANICS															
ALUMINUM							49.6 MG/L		NV						
ANTIMONY							.025 MG/L		UNV						
ARSENIC							.027 MG/L		NV						
BARIUM							.463 MG/L		NV						
BERYLLIUM							.01 MG/L		UNV						
CADMIUM							.001 MG/L		UNV						
CALCIUM							370 MG/L		NV						
CHROMIUM							.005 MG/L		UNV						
COBALT							.025 MG/L		UNV						
COPPER							.097 MG/L		NV						
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON							92.8 MG/L		NV						
LEAD							.005 MG/L		UNV						
MAGNESIUM							158 MG/L		NV						
MANGANESE							1.64 MG/L		NV						

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SAMPLE NUMBER:	EMGW_SYSGEN_281			EMGW_SYSGEN_282			EMGW_SYSGEN_282			045163			EMGW_SYSGEN_280		
LAB:	NET			IT			NET			WMCO			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															
MERCURY							.0002 MG/L		UNV						
MOLYBDENUM							.025 MG/L		UNV						
NICKEL							.005 MG/L		UNV						
POTASSIUM							12.8 MG/L		NV						
SELENIUM							.0025 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							6.4 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.412 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				13.1 PCI/L		NV									
URANIUM, TOTAL				26 UG/L		NV				19.5 UG/L		NV			
URANIUM-234				11.7 PCI/L		NV									
THORIUM-230				1.65 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.807 PCI/L		NV									
THORIUM-232				1.36 PCI/L		NV									
THORIUM, TOTAL				12.3 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				3.23 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				7.1 PCI/L		UNV									
GROSS ALPHA				72.4 PCI/L		NV									
GROSS BETA				156 PCI/L		NV									
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV				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 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

SAMPLE NUMBER:	EMGW_SYSGEN_281			EMGW_SYSGEN_282			EMGW_SYSGEN_282			045163			EMGW_SYSGEN_280		
LAB:	NET			IT			NET			WMCO			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															
1,2-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	1 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				1 UG/L		UNV
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV				1 UG/L		UNV
CHLOROMETHANE	1 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	1 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	1 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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_279	EMGW_SYSGEN_279	003530	045361	30929F11112-02
TASK:	GWMON	GWMON	3.2.4	3.7	50.03.24
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	1111	1111	1111	1111	11112
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-JUN-90	20-JUN-90	25-JAN-89	31-JAN-90	29-SEP-93
NORTH COORDINATE:	480196.16	480196.16	480196.16	480196.16	481616.94
EAST COORDINATE:	1381878.06	1381878.06	1381878.06	1381878.06	1380504.36
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				9 MG/L		NV									
NITRATE				2.38 MG/L		NV				1.56 MG/L		-			
NITRATE, AS NITROGEN				2.38 MG/L		NV									
SULFATE				56 MG/L		NV									
TOTAL ORGANIC CARBON				3 MG/L		NV									
TOTAL ORGANIC HALOGENS				.089 MG/L		NV									
INORGANICS															
ALUMINUM													.04 MG/L		U
BORON													.427 MG/L		-
CALCIUM													59.6 MG/L		-
IRON													.01 MG/L		U
MAGNESIUM													15.6 MG/L		-
POTASSIUM													1 MG/L		U
SILICON													6.65 MG/L		-
SODIUM													82.5 MG/L		-
RADIONUCLIDES															
URANIUM-238	12.4 PCI/L		NV												
URANIUM, TOTAL	37.3 UG/L		NV												
URANIUM-234	12.7 PCI/L		NV												
THORIUM-230	1.66 PCI/L		NV												
RADIUM-226	2.49 PCI/L		NV												
URANIUM-235/236	.761 PCI/L		NV												
THORIUM-232	1.02 PCI/L		NV												
THORIUM, TOTAL	9.18 UG/L		NV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	1.19 PCI/L		NV												
STRONTIUM-90							5 PCI/L		U						
GROSS ALPHA	21 PCI/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_279			EMGW_SYSGEN_279			003530			045361			30929F11112-02		
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)
RADIONUCLIDES															
GROSS BETA	54.3 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									
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									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30929F11112-03	30929U11112-03	120333	120333F	120336
TASK:	50.03.24	50.03.24	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	FERMCO	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	11112	11112	1112	1112	1112
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-SEP-93	29-SEP-93	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	481616.94	481616.94	479991.52	479991.52	479991.52
EAST COORDINATE:	1380504.36	1380504.36	1381663.15	1381663.15	1381663.15
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							270 MG/L		-						
AMMONIA							.11 MG/L		-						
CHLORIDE							120 MG/L		-						
FLUORIDE							.7 MG/L		-						
NITRATE/NITRITE							1.3 MG/L		-						
PHENOLS							.002 MG/L		U						
PHOSPHORUS							.47 MG/L		-						
SULFATE							86 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.02 MG/L		-						
INORGANICS															
ALUMINUM							2.02 MG/L		-	.06 MG/L		U			
ANTIMONY							.0157 MG/L		U	.0157 MG/L		U			
ARSENIC							.0011 MG/L		-	.001 MG/L		U			
BARIUM							.0931 MG/L		-	.09 MG/L		-			
BERYLLIUM							.00053 MG/L		U	.00054 MG/L		U			
CADMIUM							.0012 MG/L		U	.0012 MG/L		U			
CALCIUM							92.9 MG/L		J	107 MG/L		J			
CHROMIUM							.0073 MG/L		U	.0055 MG/L		U			
COBALT							.0036 MG/L		U	.0054 MG/L		U			
COPPER							.0073 MG/L		-	.0024 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							3.43 MG/L		-	.0396 MG/L		U			
LEAD							.0012 MG/L		-	.001 MG/L		U			
MAGNESIUM							30.3 MG/L		J	39.1 MG/L		J			
MANGANESE							.219 MG/L		-	.0059 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.013 MG/L		U	.007 MG/L		U			
POTASSIUM							2.69 MG/L		-	2.24 MG/L		-			

SAMPLE NUMBER:	30929F11112-03			30929U11112-03			120333			120333F			120336		
LAB:	FERMCO			FERMCO			DATACHEM			DATACHEM			FERMCO		
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															
SELENIUM							.002 MG/L		U	.002 MG/L		U			
SILVER							.0045 MG/L		UJ	.0029 MG/L		J			
SODIUM							123 MG/L		-	123 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		UJ			
VANADIUM							.0033 MG/L		U	.0029 MG/L		U			
ZINC							.0179 MG/L		U	.0164 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	380 UG/L		NV	370 UG/L		NV							240 UG/L		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		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		UJ						
CHLOROFORM							10 UG/L		UJ						
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:	120336F	120337	120337	EMGW_SYSGEN_286	EMGW_SYSGEN_286
TASK:	50.03.23	50.03.23	50.03.23	GWMON	GWMON
LAB:	FERMCO	CORE	CORE	IT	NET
WELL OR BORING NUMBER:	1112	1112	1112	1112	1112
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUN-93	11-JUN-93	11-JUN-93	13-DEC-90	13-DEC-90
NORTH COORDINATE:	479991.52	479991.52	479991.52	479991.52	479991.52
EAST COORDINATE:	1381663.15	1381663.15	1381663.15	1381663.15	1381663.15
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													372 MG/L		NV
AMMONIA													.06 MG/L		NV
CHLORIDE													360 MG/L		NV
FLUORIDE													.51 MG/L		NV
NITRATE/NITRITE													2.4 MG/L		NV
PH													6.51 SU		NV
PHENOLS													.005 MG/L		UNV
PHOSPHORUS													.49 MG/L		NV
SPECIFIC CONDUCTIVITY													2230 UMHOS/CM		NV
SULFATE													153 MG/L		NV
TOTAL DISSOLVED SOLIDS													1130 MG/L		NV
TOTAL ORGANIC CARBON													2 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
INORGANICS															
CYANIDE													.005 MG/L		UNV
No sort code listed.															
TRANS-1,2-DICHLOROETHENE													1 UG/L		UNV
RADIONUCLIDES															
URANIUM-238				177 PCI/L	27.5	J	295 PCI/L	42.7	-	392 PCI/L		NV			
URANIUM, TOTAL	500 UG/L		NV	484 UG/L	33.9	-	865 UG/L	60.6	-	1230 UG/L		NV			
URANIUM-234				177 PCI/L	27.5	J	264 PCI/L	38.8	J	401 PCI/L		NV			
THORIUM-230				.4 PCI/L	.3	J	.6 PCI/L	.3	J	.669 PCI/L		NV			
RADIUM-226				1 PCI/L	.3	U	1.2 PCI/L	.4	J	1 PCI/L		UNV			
URANIUM-235/236				7.8 PCI/L	3	J	17 PCI/L	5.5	-	16.6 PCI/L		NV			
THORIUM-232				.2 PCI/L	.4	UJ	.2 PCI/L	1	U	4.4 PCI/L		NV			
THORIUM, TOTAL				1.82401984 PCI/L	.4	NV				39.7 UG/L		NV			

SAMPLE NUMBER:	120336F			120337			120337			EMGW_SYSGEN_286			EMGW_SYSGEN_286		
LAB:	FERMCO			CORE			CORE			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)
RADIONUCLIDES															
RADIUM-228				3.8 PCI/L	1.3	-	3 PCI/L	1.2	UJ	3 PCI/L		UNV			
THORIUM-228				.2 PCI/L	.9	UJ	.4 PCI/L	1.4	-	.64 PCI/L		UNV			
TECHNETIUM-99				19.6 PCI/L	8.7	-	43.1 PCI/L	9.3	-						
GROSS ALPHA				196 PCI/L	9.8	NV	390 PCI/L	19.8	NV	320 PCI/L		NV			
GROSS BETA				165 PCI/L	5.4	NV	340 PCI/L	11.1	NV	380 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
XYLENES, TOTAL													1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_287	EMGW_SYSGEN_287	045165	045166	045441
TASK:	GWMON	GWMON	3.7	3.7	3.7
LAB:	IT	NET	WMCO	IT	IT
WELL OR BORING NUMBER:	1112	1112	1112	1112	1112
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAR-91	13-MAR-91	18-JUL-89	18-OCT-89	18-OCT-89
NORTH COORDINATE:	479991.52	479991.52	479991.52	479991.52	479991.52
EAST COORDINATE:	1381663.15	1381663.15	1381663.15	1381663.15	1381663.15
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				277 MG/L		NV									
AMMONIA				.08 MG/L		NV									
CHLORIDE				269 MG/L		NV									
FLUORIDE				.68 MG/L		NV									
NITRATE				2.28 MG/L		NV				.1 MG/L		U			
NITRATE, AS NITROGEN				2.28 MG/L		NV									
PH				7.11 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				1.02 MG/L		NV									
SPECIFIC CONDUCTIVITY				902 UMHOS/CM		NV									
SULFATE				223 MG/L		NV									
TOTAL DISSOLVED SOLIDS				610 MG/L		NV									
TOTAL ORGANIC CARBON				15 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
ALUMINUM				5.24 MG/L		NV									
ANTIMONY				.025 MG/L		UNV									
ARSENIC				.004 MG/L		NV									
BARIUM				.219 MG/L		NV									
BERYLLIUM				.01 MG/L		UNV									
CADMIUM				.001 MG/L		UNV									
CALCIUM				155 MG/L		NV									
CHROMIUM				.015 MG/L		NV									
COBALT				.025 MG/L		UNV									
COPPER				.025 MG/L		UNV									
CYANIDE				.005 MG/L		UNV									
IRON				16.6 MG/L		NV									
LEAD				.008 MG/L		NV									
MAGNESIUM				74 MG/L		NV									
MANGANESE				.45 MG/L		NV									

SAMPLE NUMBER:	EMGW_SYSGEN_287			EMGW_SYSGEN_287			045165			045166			045441		
LAB:	IT			NET			WMCO			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															
MERCURY				.0002 MG/L		UNV									
MOLYBDENUM				.025 MG/L		UNV									
NICKEL				.014 MG/L		NV									
POTASSIUM				6 MG/L		NV									
SELENIUM				.0025 MG/L		UNV									
SILVER				.001 MG/L		UNV									
SODIUM				249 MG/L		NV									
THALLIUM				.01 MG/L		UNV									
VANADIUM				.05 MG/L		UNV									
ZINC				.055 MG/L		NV									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	287 PCI/L		NV												
URANIUM, TOTAL	658 UG/L		NV				123 UG/L		NV				356 UG/L	52	-
URANIUM-234	278 PCI/L		NV												
THORIUM-230	.977 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	13.8 PCI/L		NV												
THORIUM-232	.819 PCI/L		NV												
THORIUM, TOTAL	7.39 UG/L		NV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	2.13 PCI/L		NV												
NEPTUNIUM-237	.5 PCI/L		UNV												
PLUTONIUM-239/240	.5 PCI/L		UNV												
PLUTONIUM-238	.5 PCI/L		UNV												
TECHNETIUM-99	43.3 PCI/L		NV												
RUTHENIUM-106	150 PCI/L		UNV												
CESIUM-137	11 PCI/L		UNV												
GROSS ALPHA	695 PCI/L		NV												
GROSS BETA	431 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									

SAMPLE NUMBER:	EMGW_SYSGEN_287			EMGW_SYSGEN_287			045165			045166			045441		
LAB:	IT			NET			WMCO			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				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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_284			EMGW_SYSGEN_283			EMGW_SYSGEN_283			003531			EMGW_SYSGEN_285		
TASK:	GWMON			GWMON			GWMON			3.2.4			GWMON		
LAB:	NET			IT			NET			IT			NET		
WELL OR BORING NUMBER:	1112			1112			1112			1112			1112		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-SEP-90			21-JUN-90			21-JUN-90			25-JAN-89			25-OCT-90		
NORTH COORDINATE:	479991.52			479991.52			479991.52			479991.52			479991.52		
EAST COORDINATE:	1381663.15			1381663.15			1381663.15			1381663.15			1381663.15		
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												
CHLORIDE	305 MG/L		NV				370 MG/L		NV						
FLUORIDE	2.03 MG/L		NV												
NITRATE, AS NITROGEN	.27 MG/L		NV				1.9 MG/L		NV						
PH	7.12 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	1820 UMHOS/CM		NV												
SULFATE	182 MG/L		NV				168 MG/L		NV						
TOTAL DISSOLVED SOLIDS	1230 MG/L		NV												
TOTAL ORGANIC CARBON	10 MG/L		NV				3 MG/L		NV						
TOTAL ORGANIC HALOGENS	.055 MG/L		NV				.046 MG/L		NV						
INORGANICS															
LEAD													.031 MG/L		NV
RADIONUCLIDES															
URANIUM-238				295 PCI/L		NV									
URANIUM, TOTAL				884 UG/L		NV									
URANIUM-234				287 PCI/L		NV									
THORIUM-230				2.71 PCI/L		NV									
RADIUM-226				1.22 PCI/L		NV									
URANIUM-235/236				18 PCI/L		NV									
THORIUM-232				.845 PCI/L		NV									
THORIUM, TOTAL				7.63 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.89 PCI/L		NV									
STRONTIUM-90										5 PCI/L		U			
GROSS ALPHA				224 PCI/L		NV									
GROSS BETA				185 PCI/L		NV									

001382

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SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV
10/01/94			

SAMPLE NUMBER:	EMGW_SYSGEN_284	EMGW_SYSGEN_283	EMGW_SYSGEN_283	003531	EMGW_SYSGEN_285
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						
1,1,2,2-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				.5 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				.5 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				.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 1 WELLS

SAMPLE NUMBER:	045442	30924U11129-01	30924U11129-02	30924U11129-03	120205
TASK:	3.7	50.03.24	50.03.24	50.03.24	50.03.23
LAB:	IT	FERMCO	FERMCO	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1112	11129	11129	11129	1113
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-JAN-90	24-SEP-93	24-SEP-93	24-SEP-93	09-JUN-93
NORTH COORDINATE:	479991.52	478223.14	478223.14	478223.14	479992.7
EAST COORDINATE:	1381663.15	1378790.47	1378790.47	1378790.47	1381403.26
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													360 MG/L		-
AMMONIA													.05 MG/L		U
CHLORIDE													69 MG/L		-
FLUORIDE													.4 MG/L		-
NITRATE	.1 MG/L		U										.05 MG/L		U
NITRATE/NITRITE													.05 MG/L		U
PHENOLS													.002 MG/L		U
PHOSPHORUS													.38 MG/L		-
SULFATE													63 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		-
TOTAL ORGANIC HALIDES													.03 MG/L		-
INORGANICS															
ALUMINUM													20.1 MG/L		-
ANTIMONY													.0157 MG/L		U
ARSENIC													.0028 MG/L		-
BARIUM													.267 MG/L		-
BERYLLIUM													.0018 MG/L		U
CADMIUM													.0012 MG/L		U
CALCIUM										79.5 MG/L		-	183 MG/L		-
CHROMIUM													.0334 MG/L		U
COBALT													.0167 MG/L		U
COPPER													.0379 MG/L		-
CYANIDE													.01 MG/L		U
IRON													35.8 MG/L		-
LEAD													.0116 MG/L		-
MAGNESIUM										19.1 MG/L		-	61.5 MG/L		-
MANGANESE													1.55 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.0427 MG/L		U

001584100

SAMPLE NUMBER:	045442			30924U11129-01			30924U11129-02			30924U11129-03			120205		
LAB:	IT			FERMCO			FERMCO			DATACHEM			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															
POTASSIUM										5.9 MG/L		-	6.29 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.0038 MG/L		UJ
SODIUM										29.2 MG/L		-	71.1 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.037 MG/L		
ZINC													.107 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL							15 UG/L		NV						
GROSS ALPHA				120 PCI/L		UNV									
GROSS BETA				190 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		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		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

SAMPLE NUMBER:	045442			30924U11129-01			30924U11129-02			30924U11129-03			120205		
LAB:	IT			FERMCO			FERMCO			DATACHEM			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)
VOLATILES															
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045167	120329	120329F	120331	120331F
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	WMCO	CORE	CORE	FERMCO	FERMCO
WELL OR BORING NUMBER:	1113	1113	1113	1113	1113
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-AUG-89	10-JUN-93	10-JUN-93	10-JUN-93	10-JUN-93
NORTH COORDINATE:	479992.7	479992.7	479992.7	479992.7	479992.7
EAST COORDINATE:	1381403.26	1381403.26	1381403.26	1381403.26	1381403.26
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)
RADIONUCLIDES															
URANIUM-238				538 PCI/L	62.3	J	575 PCI/L	97.1	J						
URANIUM, TOTAL	2070 UG/L		NV	1800 UG/L	126	-	1860 UG/L	130	-	1900 UG/L		NV	2300 UG/L		NV
URANIUM-234				545 PCI/L	63	J	513 PCI/L	87.8	J						
THORIUM-230				.4 PCI/L	.2	J	.3 PCI/L	.2	UJ						
RADIUM-226				1 PCI/L	.4	U	1 PCI/L	.2	U						
URANIUM-235/236				14.6 PCI/L	4.9	J	19.2 PCI/L	8.8	J						
THORIUM-232				.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ						
THORIUM, TOTAL				1.82405644 PCI/L	.3	NV									
RADIUM-228				3 PCI/L	1.4	U	3 PCI/L	1.3	U						
THORIUM-228				.3 PCI/L	.3	J	.2 PCI/L	.4	UJ						
TECHNETIUM-99				64.5 PCI/L	10.5	J	76.9 PCI/L	11.8	J						
GROSS ALPHA				620 PCI/L	22.5	NV	744 PCI/L	22.3	NV						
GROSS BETA				550 PCI/L	12.1	NV	536 PCI/L	10.9	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120332			EMGW_SYSGEN_288			EMGW_SYSGEN_288			EMGW_SYSGEN_288			EMGW_SYSGEN_292		
TASK:	50.03.23			GWMON			GWMON			GWMON			GWMON		
LAB:	DATACHEM			NET			NET			WMCO			IT		
WELL OR BORING NUMBER:	1113			1113			1113			1113			1113		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-JUN-93			12-MAR-90			12-MAR-90			12-MAR-90			13-DEC-90		
NORTH COORDINATE:	479992.7			479992.7			479992.7			479992.7			479992.7		
EAST COORDINATE:	1381403.26			1381403.26			1381403.26			1381403.26			1381403.26		
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)
INORGANICS															
ALUMINUM	.0823 MG/L		-												
ANTIMONY	.0157 MG/L		U												
ARSENIC	.001 MG/L		U												
BARIUM	.101 MG/L		-												
BERYLLIUM	.00063 MG/L		U												
CADMIUM	.0012 MG/L		U												
CALCIUM	101 MG/L		-												
CHROMIUM	.0042 MG/L		U												
COBALT	.0042 MG/L		U												
COPPER	.0024 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	.0093 MG/L		U												
LEAD	.001 MG/L		U	.005 MG/L		UNV	.016 MG/L		NV						
MAGNESIUM	29.2 MG/L		-												
MANGANESE	.108 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.007 MG/L		U												
POTASSIUM	.955 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.0029 MG/L		UJ												
SODIUM	69 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0029 MG/L		U												
ZINC	.012 MG/L		U												
RADIONUCLIDES															
URANIUM-238										420 PCI/L		NV	551 PCI/L		NV
URANIUM, TOTAL										1250 UG/L		NV	1700 UG/L		NV
URANIUM-234										390 PCI/L		NV	.2 PCI/L		UNV
THORIUM-230													.215 PCI/L		NV
RADIUM-226													1 PCI/L		UNV

SAMPLE NUMBER:	120332			EMGW_SYSGEN_288			EMGW_SYSGEN_288			EMGW_SYSGEN_288			EMGW_SYSGEN_292		
LAB:	DATACHEM			NET			NET			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)
RADIONUCLIDES															
URANIUM-235/236													30.6 PCI/L		NV
THORIUM-232													.21 PCI/L		UNV
THORIUM, TOTAL													1.9 UG/L		UNV
RADIUM-228													3 PCI/L		UNV
THORIUM-228													.2 PCI/L		UNV
GROSS ALPHA													1130 PCI/L		NV
GROSS BETA													850 PCI/L		NV
URANIUM-235										19 PCI/L		NV	30.6 PCI/L		NV
URANIUM-236										2.4 PCI/L		NV			
VOLATILES															
BENZENE							1 UG/L		UNV						
TOLUENE							1 UG/L		UNV						
XYLENES, TOTAL							1 UG/L		UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_292	EMGW_SYSGEN_293	EMGW_SYSGEN_293	045168	045619
TASK:	GWMON	GWMON	GWMON	3.7	3.7
LAB:	NET	IT	NET	IT	IT
WELL OR BORING NUMBER:	1113	1113	1113	1113	1113
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-DEC-90	13-MAR-91	13-MAR-91	18-OCT-89	18-OCT-89
NORTH COORDINATE:	479992.7	479992.7	479992.7	479992.7	479992.7
EAST COORDINATE:	1381403.26	1381403.26	1381403.26	1381403.26	1381403.26
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	320 MG/L		NV				350 MG/L		NV						
AMMONIA	.04 MG/L		NV				.04 MG/L		NV						
CHLORIDE	72 MG/L		NV				69 MG/L		NV						
FLUORIDE	.42 MG/L		NV				.5 MG/L		NV						
NITRATE	.89 MG/L		NV				.58 MG/L		NV	.1 MG/L		U			
NITRATE, AS NITROGEN							.58 MG/L		NV						
NITRATE/NITRITE	.89 MG/L		NV												
PH	6.41 SU		NV				7.16 SU		NV						
PHENOLS	.005 MG/L		UNV				.005 MG/L		UNV						
PHOSPHORUS	.25 MG/L		NV				.59 MG/L		NV						
SPECIFIC CONDUCTIVITY	1030 UMHOS/CM		NV				934 UMHOS/CM		NV						
SULFATE	69 MG/L		NV				72 MG/L		NV						
TOTAL DISSOLVED SOLIDS	624 MG/L		NV				574 MG/L		NV						
TOTAL ORGANIC CARBON	1 MG/L		UNV				11 MG/L		NV						
TOTAL ORGANIC HALOGENS	.016 MG/L		NV				.01 MG/L		UNV						
INORGANICS															
ALUMINUM							5.92 MG/L		NV						
ANTIMONY							.025 MG/L		UNV						
ARSENIC							.006 MG/L		NV						
BARIUM							.2 MG/L		UNV						
BERYLLIUM							.01 MG/L		UNV						
CADMIUM							.001 MG/L		UNV						
CALCIUM							119 MG/L		NV						
CHROMIUM							.007 MG/L		NV						
COBALT							.025 MG/L		UNV						
COPPER							.025 MG/L		UNV						
CYANIDE	.005 MG/L		UNV				.005 MG/L		UNV						
IRON							13.7 MG/L		NV						
LEAD							.006 MG/L		NV						
MAGNESIUM							54 MG/L		NV						

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SAMPLE NUMBER:	EMGW_SYSGEN_292			EMGW_SYSGEN_293			EMGW_SYSGEN_293			045168			045619		
LAB:	NET			IT			NET			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															
MANGANESE							.414 MG/L		NV						
MERCURY							.0002 MG/L		UNV						
MOLYBDENUM							.025 MG/L		UNV						
NICKEL							.005 MG/L		UNV						
POTASSIUM							3.05 MG/L		NV						
SELENIUM							.0025 MG/L		UNV						
SILVER							.001 MG/L		UNV						
SODIUM							69.7 MG/L		NV						
THALLIUM							.01 MG/L		UNV						
VANADIUM							.05 MG/L		UNV						
ZINC							.047 MG/L		NV						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238				591 PCI/L		NV									
URANIUM, TOTAL				1460 UG/L		NV							1422 UG/L	212	-
URANIUM-234				564 PCI/L		NV									
THORIUM-230				.242 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				46.1 PCI/L		NV									
THORIUM-232				.2 PCI/L		UNV									
THORIUM, TOTAL				1.4 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.27 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				5.8 PCI/L		UNV									
GROSS ALPHA				1340 PCI/L		NV									
GROSS BETA				679 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						

SAMPLE NUMBER:	EMGW_SYSGEN_292			EMGW_SYSGEN_293			EMGW_SYSGEN_293			045168			045619		
LAB:	NET			IT			NET			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															
1,1-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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_290	003532	EMGW_SYSGEN_289	EMGW_SYSGEN_289	EMGW_SYSGEN_291
TASK:	GWMON	3.2.4	GWMON	GWMON	GWMON
LAB:	NET	IT	IT	NET	NET
WELL OR BORING NUMBER:	1113	1113	1113	1113	1113
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-SEP-90	25-JAN-89	25-JUN-90	25-JUN-90	25-OCT-90
NORTH COORDINATE:	479992.7	479992.7	479992.7	479992.7	479992.7
EAST COORDINATE:	1381403.26	1381403.26	1381403.26	1381403.26	1381403.26
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	291 MG/L		NV												
CHLORIDE	82 MG/L		NV							84 MG/L		NV			
FLUORIDE	1.19 MG/L		NV												
NITRATE, AS NITROGEN	.07 MG/L		NV							.1 MG/L		NV			
PH	6.95 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	960 UMHOS/CM		NV												
SULFATE	64 MG/L		NV							73 MG/L		NV			
TOTAL DISSOLVED SOLIDS	645 MG/L		NV												
TOTAL ORGANIC CARBON	10 MG/L		NV							2 MG/L		NV			
TOTAL ORGANIC HALOGENS	.044 MG/L		NV							.02 MG/L		NV			
INORGANICS															
LEAD													.011 MG/L		NV
RADIONUCLIDES															
URANIUM-238							547 PCI/L		NV						
URANIUM, TOTAL							1660 UG/L		NV						
URANIUM-234							543 PCI/L		NV						
THORIUM-230							.793 PCI/L		NV						
RADIUM-226							1.41 PCI/L		NV						
URANIUM-235/236							80.1 PCI/L		NV						
THORIUM-232							4.02 PCI/L		NV						
THORIUM, TOTAL							36.3 UG/L		NV						
RADIUM-228							3 PCI/L		UNV						
THORIUM-228							.71 PCI/L		UNV						
STRONTIUM-90				5 PCI/L		U									
GROSS ALPHA							787 PCI/L		NV						
GROSS BETA							633 PCI/L		NV						

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

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GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_290			003532			EMGW_SYSGEN_289			EMGW_SYSGEN_289			EMGW_SYSGEN_291		
LAB:	NET			IT			IT			NET			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	.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			
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 1 WELLS

SAMPLE NUMBER:	045620	30930U11130-01	30930U11130-02	30930U11130-03	30924U11131-01
TASK:	3.7	50.03.24	50.03.24	50.03.24	50.03.24
LAB:	IT	IT	FERMCO	FERMCO	FERMCO
WELL OR BORING NUMBER:	1113	11130	11130	11130	11131
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-JAN-90	30-SEP-93	30-SEP-93	30-SEP-93	24-SEP-93
NORTH COORDINATE:	479992.7	478511.04	478511.04	478511.04	478508.32
EAST COORDINATE:	1381403.26	1382733.42	1382733.42	1382733.42	1382755.64
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												
INORGANICS															
CALCIUM				99.3 MG/L		-									
MAGNESIUM				40 MG/L		-									
POTASSIUM				3.82 MG/L		-									
SODIUM				16.3 MG/L		-									
RADIONUCLIDES															
URANIUM, TOTAL										7.9 UG/L		NV			
GROSS ALPHA							140 PCI/L		UNV				120 PCI/L		UNV
GROSS BETA							260 PCI/L		UNV				190 PCI/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30924U11131-02	30924U11131-03	30929-11132-01	30929U11132-01	30928-11133-01
TASK:	50.03.24	50.03.24	50.03.24	50.03.24	50.03.24
LAB:	FERMCO	DATACHEM	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	11131	11131	11132	11132	11133
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-SEP-93	24-SEP-93	29-SEP-93	29-SEP-93	28-SEP-93
NORTH COORDINATE:	478508.32	478508.32	482206.62	482206.62	482207.87
EAST COORDINATE:	1382755.64	1382755.64	1381840.99	1381840.99	1381825.52
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							190 MG/L		-				250 MG/L		-
BICARBONATE ALKALINITY							240 MG/L		-				310 MG/L		-
CARBONATE ALKALINITY							1 MG/L		U				1 MG/L		U
CHLORIDE							25 MG/L		-				39 MG/L		-
SULFATE							62 MG/L		-				67 MG/L		-
INORGANICS															
CALCIUM				59.8 MG/L		-				59.5 MG/L		-			
MAGNESIUM				23.2 MG/L		-				23.9 MG/L		-			
POTASSIUM				2.86 MG/L		-				2.28 MG/L		-			
SODIUM				29 MG/L		-				19.5 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	11 UG/L		NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30928U11133-01	30928U11133-03	045170	045623	045169
TASK:	50.03.24	50.03.24	3.7	3.7	3.7
LAB:	FERMCO	FERMCO	IT	IT	WMCO
WELL OR BORING NUMBER:	11133	11133	1117	1117	1117
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-SEP-93	28-SEP-93	06-OCT-89	06-OCT-89	10-AUG-89
NORTH COORDINATE:	482207.87	482207.87	480703.47	480703.47	480703.47
EAST COORDINATE:	1381825.52	1381825.52	1381662.46	1381662.46	1381662.46
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							.256 MG/L		-						
INORGANICS															
CALCIUM	87.4 MG/L		-												
MAGNESIUM	24.2 MG/L		-												
POTASSIUM	4.27 MG/L		-												
SODIUM	27.7 MG/L		-												
RADIONUCLIDES															
URANIUM, TOTAL				52 UG/L		NV				27.3 UG/L	4.2	-	13.8 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_295	EMGW_SYSGEN_294	EMGW_SYSGEN_294	045624	30926-11214-02
TASK:	GWMON	GWMON	GWMON	3.7	50.03.24
LAB:	NET	IT	NET	IT	DATACHEM
WELL OR BORING NUMBER:	1117	1117	1117	1117	11214
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-SEP-90	21-JUN-90	21-JUN-90	31-JAN-90	26-SEP-93
NORTH COORDINATE:	480703.47	480703.47	480703.47	480703.47	481495.52
EAST COORDINATE:	1381662.46	1381662.46	1381662.46	1381662.46	1379217.52
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										450 MG/L		-
BICARBONATE													560 MG/L		-
CARBONATE ALKALINITY													1 MG/L		U
CHLORIDE	457 MG/L		NV				417 MG/L		NV				31 MG/L		-
FLUORIDE	1.67 MG/L		NV										300 MG/L		U
NITRATE	.23 MG/L		NV				.16 MG/L		NV	.22 MG/L		-	50 MG/L		U
NITRATE, AS NITROGEN	.23 MG/L		NV				.16 MG/L		NV						
NITRATE/NITRITE													50 MG/L		U
PH	9.94 SU		NV												
PHENOLS	.005 MG/L		UNV												
SPECIFIC CONDUCTIVITY	2910 UMHOS/CM		NV												
SULFATE	751 MG/L		NV				725 MG/L		NV				200 MG/L		-
TOTAL DISSOLVED SOLIDS	2540 MG/L		NV										860 MG/L		J
TOTAL ORGANIC CARBON	3 MG/L		NV				2 MG/L		NV						
TOTAL ORGANIC HALOGENS	.03 MG/L		NV				.055 MG/L		NV						
TOTAL SUSPENDED SOLIDS													4 MG/L		UJ
RADIONUCLIDES															
URANIUM-238				7.09 PCI/L		NV									
URANIUM, TOTAL				21.4 UG/L		NV									
URANIUM-234				9.38 PCI/L		NV									
THORIUM-230				1.38 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				.644 PCI/L		NV									
THORIUM-232				.56 PCI/L		UNV									
THORIUM, TOTAL				5.1 UG/L		UNV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				.671 PCI/L		NV									
GROSS ALPHA				32 PCI/L		UNV									
GROSS BETA				15 PCI/L		UNV									

SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

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GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_295			EMGW_SYSGEN_294			EMGW_SYSGEN_294			045624			30926-11214-02		
LAB:	NET			IT			NET			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)
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				1 UG/L		UNV				10 UG/L		U
1,1,2-TRICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
1,1-DICHLOROETHENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
1,2-DICHLOROPROPANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
2-BUTANONE	2 UG/L		UNV				2 UG/L		UNV				10 UG/L		U
2-HEXANONE	2 UG/L		UNV				2 UG/L		UNV				10 UG/L		U
4-METHYL-2-PENTANONE	2 UG/L		UNV				2 UG/L		UNV				10 UG/L		U
ACETONE	2 UG/L		UNV				2 UG/L		UNV				10 UG/L		UJ
BENZENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
BROMODICHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
BROMOFORM	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
BROMOMETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
CARBON DISULFIDE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
CARBON TETRACHLORIDE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
CHLOROBENZENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
CHLOROETHANE	1 UG/L		UNV										10 UG/L		U
CHLOROFORM	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
CHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
CIS-1,3-DICHLOROPROPENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
DIBROMOCHLOROMETHANE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
ETHYLBENZENE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
METHYLENE CHLORIDE	1 UG/L		UNV				1 UG/L		UNV				10 UG/L		U
STYRENE	1 UG/L		UNV				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				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				2 UG/L		UNV						
VINYL CHLORIDE	1 UG/L		UNV				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 1 WELLS

SAMPLE NUMBER:	30926-11214-05	30926F11214-02	30926F11214-05	30926U11214-02	30926U11214-05
TASK:	50.03.24	50.03.24	50.03.24	50.03.24	50.03.24
LAB:	DATACHEM	DATACHEM	DATACHEM	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	11214	11214	11214	11214	11214
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-SEP-93	26-SEP-93	26-SEP-93	26-SEP-93	26-SEP-93
NORTH COORDINATE:	481495.52	481495.52	481495.52	481495.52	481495.52
EAST COORDINATE:	1379217.52	1379217.52	1379217.52	1379217.52	1379217.52
QA TYPE:	DUPLICATE	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:	30926-11214-02		30926-11214-02		
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	450 MG/L		U												
BICARBONATE	560 MG/L		-												
CARBONATE ALKALINITY	1 MG/L		U												
CHLORIDE	32 MG/L		-												
NITRATE/NITRITE	50 MG/L		U												
SULFATE	200 MG/L		-												
TOTAL DISSOLVED SOLIDS	860 MG/L		J												
TOTAL SUSPENDED SOLIDS	4 MG/L		UJ												
INORGANICS															
BORON				.0556 MG/L		U	.0556 MG/L		U	.0556 MG/L		U	.0556 MG/L		U
CALCIUM				193 MG/L		-	194 MG/L		-	190 MG/L		-	192 MG/L		-
IRON				.113 MG/L		U	.125 MG/L		U	.141 MG/L		U	.199 MG/L		U
MAGNESIUM				59.6 MG/L		-	59.7 MG/L		-	58.9 MG/L		-	59.9 MG/L		-
POTASSIUM				.509 MG/L		-	.379 MG/L		U	.429 MG/L		-	.379 MG/L		U
SILICON				8.89 MG/L		-	8.91 MG/L		-	8.79 MG/L		-	8.88 MG/L		-
SODIUM				10.2 MG/L		-	10.2 MG/L		-	9.96 MG/L		-	10.2 MG/L		-
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												

SAMPLE NUMBER:	30926-11214-05			30926F11214-02			30926F11214-05			30926U11214-02			30926U11214-05		
LAB:	DATACHEM			DATACHEM			DATACHEM			DATACHEM			DATACHEM		
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															
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 1 WELLS

SAMPLE NUMBER:	120608	120608	120608	120609	120609F
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50:03.22
LAB:	DATACHEM	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	11214	11214	11214	11214	11214
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-AUG-93	30-AUG-93	30-AUG-93	30-AUG-93	30-AUG-93
NORTH COORDINATE:	481495.52	481495.52	481495.52	481495.52	481495.52
EAST COORDINATE:	1379217.52	1379217.52	1379217.52	1379217.52	1379217.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	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				550 MG/L		-									
AMMONIA				.06 MG/L		-									
CHLORIDE				29 MG/L		-									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.05 MG/L		UJ									
PHENOLS				.002 MG/L		U									
PHOSPHORUS				.77 MG/L		-									
SULFATE				210 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.1 MG/L		-									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		J									
TOTAL ORGANIC NITROGEN				.04 MG/L		-									
INORGANICS															
ALUMINUM	.0527 MG/L		U	20.3 MG/L		J									
ANTIMONY	.045 MG/L		UJ	.045 MG/L		UJ									
ARSENIC	.001 MG/L		U	.011 MG/L		-									
BARIUM	.109 MG/L		J	.306 MG/L		J									
BERYLLIUM	.001 MG/L		U	.0018 MG/L		U									
CADMIUM	.003 MG/L		U	.003 MG/L		U									
CALCIUM	186 MG/L		-	395 MG/L		-									
CHROMIUM	.0066 MG/L		-	.0362 MG/L		-									
COBALT	.0063 MG/L		-	.0164 MG/L		-									
COPPER	.004 MG/L		U	.0531 MG/L		J									
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	.0496 MG/L		U	54.8 MG/L		J									
LEAD	.001 MG/L		UJ	.0307 MG/L		J									
MAGNESIUM	59.9 MG/L		-	116 MG/L		-									
MANGANESE	.198 MG/L		J	1.48 MG/L		J									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									

SAMPLE NUMBER:	120608			120608			120608			120609			120609F		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			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															
NICKEL	.019 MG/L		U	.0468 MG/L		J									
POTASSIUM	2.22 MG/L		-	6.62 MG/L		-									
SELENIUM	.002 MG/L		UJ	.002 MG/L		UJ									
SILVER	.003 MG/L		U	.003 MG/L		U									
SODIUM	12.1 MG/L		-	11.1 MG/L		-									
THALLIUM	.001 MG/L		UJ	.001 MG/L		U									
VANADIUM	.0041 MG/L		U	.0401 MG/L		J									
ZINC	.0134 MG/L		U	.16 MG/L		-									
RADIONUCLIDES															
URANIUM-238										1.2 PCI/L	1.6	J	.8 PCI/L	.3	J
URANIUM, TOTAL										5.1 UG/L	.4	-	2.6 UG/L	.2	-
URANIUM-234										1.1 PCI/L	.2	J	.8 PCI/L	.5	J
THORIUM-230										.1 PCI/L	.2	R	.5 PCI/L	.3	J
RADIUM-226										1 PCI/L	.3	U	1 PCI/L	.3	UJ
URANIUM-235/236										.2 PCI/L	.1	UJ	.2 PCI/L	.2	UJ
THORIUM-232										.1 PCI/L	.2	R	.2 PCI/L	.4	UJ
THORIUM, TOTAL													.9120248 PCI/L	.4	NV
RADIUM-228										3 PCI/L	.9	UJ	3 PCI/L	1.1	U
THORIUM-228										.1 PCI/L	.2	R	.2 PCI/L	.5	UJ
PLUTONIUM-239/240										1.1 PCI/L	1.2	R	.3 PCI/L	.3	R
PLUTONIUM-238										.4 PCI/L	1.7	R	.2 PCI/L	.4	R
STRONTIUM-90										2.4 PCI/L	1.1	-	1.2 PCI/L	.7	U
TECHNETIUM-99										15 PCI/L	7.7	U	15 PCI/L	8.3	U
CESIUM-137													4 PCI/L	1	U
GROSS ALPHA										21.6 PCI/L	5.4	NV	5.2 PCI/L	3	UNV
GROSS BETA										14.4 PCI/L	8.6	UNV	7.9 PCI/L	3.5	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						
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		UJ						
2-NITROANILINE							25 UG/L		U						

SAMPLE NUMBER:	120608			120608			120608			120609			120609F		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			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-NITROPHENOL							10 UG/L		U						
3,3'-DICHLOROBENZIDINE							10 UG/L		UJ						
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		UJ						
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U						
4-METHYLPHENOL							10 UG/L		UJ						
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		UJ						
BENZO(B)FLUORANTHENE							10 UG/L		UJ						
BENZO(G,H,I)PERYLENE							10 UG/L		UJ						
BENZO(K)FLUORANTHENE							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		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						
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		UJ						
PENTACHLOROPHENOL							25 UG/L		U						
PHENANTHRENE							10 UG/L		U						
PHENOL				.002 MG/L		U	10 UG/L		U						

SAMPLE NUMBER:	120608			120608			120608			120609			120609F		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	NONE-FIL			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															
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		UR									
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 1 WELLS

SAMPLE NUMBER:	120610			120610F			120613			120613F			120615		
TASK:	50.03.22			50.03.22			50.03.22			50.03.22			50.03.22		
LAB:	FERMCO			FERMCO			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	11214			11214			11216			11216			11216		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-AUG-93			30-AUG-93			01-SEP-93			01-SEP-93			01-SEP-93		
NORTH COORDINATE:	481495.52			481495.52			481756.64			481756.64			481756.64		
EAST COORDINATE:	1379217.52			1379217.52			1379409.16			1379409.16			1379409.16		
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							3.2 PCI/L	1	J	2.2 PCI/L	.5	R			
URANIUM, TOTAL	4.5 UG/L		NV	2.5 UG/L		NV	7.6 UG/L	.5	-	8.3 UG/L	.6	-	11 UG/L		NV
URANIUM-234							2.2 PCI/L	1	J	.5 PCI/L	.5	R			
THORIUM-230							.5 PCI/L	.3	R	.2 PCI/L	.2	U			
RADIUM-226							2.3 PCI/L	.6	-	1 PCI/L	.3	U			
URANIUM-235/236							.2 PCI/L	.9	UJ	.2 PCI/L	.5	R			
THORIUM-232							.3 PCI/L	.2	R	.2 PCI/L	.2	UJ			
THORIUM, TOTAL										.91202212 PCI/L	.2	NV			
RADIUM-228							3.3 PCI/L	1.2	-	3 PCI/L	1.1	U			
THORIUM-228							.2 PCI/L	.2	R	.2 PCI/L	.2	U			
PLUTONIUM-239/240							1.1 PCI/L	2.4	R	.6 PCI/L	.4	R			
PLUTONIUM-238							1 PCI/L	2.9	R	.7 PCI/L	1.3	R			
STRONTIUM-90							3.3 PCI/L	1.3	J	1 PCI/L	.4	UJ			
TECHNETIUM-99							15 PCI/L	7.5	U	15 PCI/L	7.9	U			
CESIUM-137							4 PCI/L	.8	UJ						
GROSS ALPHA							9.3 PCI/L	4.8	NV	5.8 PCI/L	2.2	NV			
GROSS BETA							14 PCI/L	7	NV	4.3 PCI/L	2.5	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120617	30914-11216-01	30914-11216-01	30914F11216-03	30914U11216-03
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	FERMCO	TCT	TCT	CORE	CORE
WELL OR BORING NUMBER:	11216	11216	11216	11216	11216
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-SEP-93	14-SEP-93	14-SEP-93	14-SEP-93	14-SEP-93
NORTH COORDINATE:	481756.64	481756.64	481756.64	481756.64	481756.64
EAST COORDINATE:	1379409.16	1379409.16	1379409.16	1379409.16	1379409.16
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							.134 MG/L		-						
CHLORIDE							5.32 MG/L		-						
FLUORIDE							.63 MG/L		-						
NITRATE, AS NITROGEN							.1 MG/L		U						
PHENOLS							.005 MG/L		U						
PHOSPHORUS							.284 MG/L		-						
SULFATE							127 MG/L		-						
SULFIDE				1 MG/L		U	1 MG/L		U						
TOTAL KJELDAHL NITROGEN							.301 MG/L		-						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.085 MG/L		J						
TOTAL ORGANIC NITROGEN							.167 MG/L		-						
INORGANICS															
ALUMINUM				.09 MG/L		U	.804 MG/L		U						
ANTIMONY				.014 MG/L		U	.014 MG/L		U						
ARSENIC				.002 MG/L		UJ	.002 MG/L		UJ						
BARIUM				.137 MG/L		-	.145 MG/L		-						
BERYLLIUM				.004 MG/L		U	.004 MG/L		U						
CADMIUM				.005 MG/L		U	.005 MG/L		U						
CALCIUM				131 MG/L		-	133 MG/L		-						
CHROMIUM				.006 MG/L		U	.006 MG/L		U						
COBALT				.007 MG/L		U	.007 MG/L		U						
COPPER				.008 MG/L		U	.008 MG/L		U						
CYANIDE				.005 MG/L		U	.005 MG/L		U						
IRON				.0261 MG/L		U	1.03 MG/L		J						
LEAD				.001 MG/L		U	.001 MG/L		U						
MAGNESIUM				45.4 MG/L		-	46.3 MG/L		-						
MANGANESE				.408 MG/L		-	.452 MG/L		-						
MERCURY				.0001 MG/L		U	.0001 MG/L		U						

SAMPLE NUMBER:	120617			30914-11216-01			30914-11216-01			30914F11216-03			30914U11216-03		
LAB:	FERMCO			TCT			TCT			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				.017 MG/L		U	.017 MG/L		U						
NICKEL				.011 MG/L		U	.011 MG/L		U						
POTASSIUM				1.69 MG/L		-	2.09 MG/L		-						
SELENIUM				.003 MG/L		-	.0022 MG/L		-						
SILICON				7.21 MG/L		-	8.56 MG/L		-						
SILVER				.001 MG/L		UJ	.001 MG/L		U						
SODIUM				11.7 MG/L		-	12 MG/L		-						
THALLIUM				.001 MG/L		J	.001 MG/L		UJ						
VANADIUM				.012 MG/L		UJ	.012 MG/L		UJ						
ZINC				.006 MG/L		UJ	.006 MG/L		UJ						
RADIONUCLIDES															
URANIUM-238										1.1 PCI/L	.6	R	1.3 PCI/L	.4	J
URANIUM, TOTAL										7.2 UG/L	.5	-	4.9 UG/L	.3	-
URANIUM-234										1.2 PCI/L	1.1	R	1.2 PCI/L	.3	J
THORIUM-230										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
RADIUM-226										1 PCI/L	.3	U	1 PCI/L	.4	U
URANIUM-235/236										.2 PCI/L	.1	R	.2 PCI/L	.5	UJ
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
THORIUM, TOTAL													1.8240244 PCI/L	.2	NV
RADIUM-228										3 PCI/L	1.1	U	3 PCI/L	.9	U
THORIUM-228										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
PLUTONIUM-239/240													.1 PCI/L	1.1	R
PLUTONIUM-238													.2 PCI/L	.7	R
STRONTIUM-90										1 PCI/L	.5	UJ	1 PCI/L	.5	U
TECHNETIUM-99										15 PCI/L	6.5	U	15 PCI/L	8.8	U
CESIUM-137										4 PCI/L	.8	U	4 PCI/L	.9	UJ
GROSS ALPHA	200 PCI/L		UNV							3.5 PCI/L	1.9	NV	5.7 PCI/L	3.4	UNV
GROSS BETA	400 PCI/L		UNV							5.4 PCI/L	2.6	NV	11.5 PCI/L	4	NV
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							50 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							50 UG/L		UJ						
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						

SAMPLE NUMBER:	120617			30914-11216-01			30914-11216-01			30914F11216-03			30914U11216-03		
LAB:	FERMCO			TCT			TCT			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															
2-METHYLPHENOL							20 UG/L		U						
2-NITROANILINE							50 UG/L		U						
2-NITROPHENOL							20 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							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							50 UG/L		U						
4-NITROPHENOL							50 UG/L		U						
ACENAPHTHENE							20 UG/L		U						
ACENAPHTHYLENE							20 UG/L		U						
ANTHRACENE							20 UG/L		U						
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							50 UG/L		U						
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		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							20 UG/L		U						
BUTYL BENZYL PHTHALATE							20 UG/L		U						
CARBAZOLE							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		U						
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						

SAMPLE NUMBER:	120617			30914-11216-01			30914-11216-01			30914F11216-03			30914U11216-03		
LAB:	FERMCO			TCT			TCT			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															
NITROBENZENE							20 UG/L		U						
P-CHLOROANILINE							20 UG/L		U						
PENTACHLOROPHENOL							50 UG/L		UJ						
PHENANTHRENE							20 UG/L		U						
PHENOL							20 UG/L		U						
PYRENE							20 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		U						
CIS-1,3-DICHLOROPROPENE							10 UG/L		U						
DIBROMOCHLOROMETHANE							10 UG/L		UNV						
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:	30916-11229-01	30916-11229-01	30916F11229-01	30916F11229-02	30916U11229-01
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	DATACHEM	DATACHEM	DATACHEM	CORE	DATACHEM
WELL OR BORING NUMBER:	11229	11229	11229	11229	11229
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-SEP-93	16-SEP-93	16-SEP-93	16-SEP-93	16-SEP-93
NORTH COORDINATE:	482516.93	482516.93	482516.93	482516.93	482516.93
EAST COORDINATE:	1380834.44	1380834.44	1380834.44	1380834.44	1380834.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	DL-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				.16 MG/L		-									
CHLORIDE				35 MG/L		-									
FLUORIDE				.6 MG/L		-									
NITRATE/NITRITE				.06 MG/L		-									
PHENOLS				.002 MG/L		-									
PHOSPHORUS				7 MG/L		J									
SULFATE				40 MG/L		-									
TOTAL KJELDAHL NITROGEN				.6 MG/L		-									
TOTAL ORGANIC CARBON				20 MG/L		-									
TOTAL ORGANIC HALIDES				.45 MG/L		-									
TOTAL ORGANIC NITROGEN				.44 MG/L		-									
INORGANICS															
ALUMINUM							.708 MG/L		-				470 MG/L		J
ANTIMONY							.0222 MG/L		U				.111 MG/L		UJ
ARSENIC							.0035 MG/L		-				.001 MG/L		UJ
BARIUM							.127 MG/L		-				3.35 MG/L		J
BERYLLIUM							.0003 MG/L		U				.0231 MG/L		J
CADMIUM							.0012 MG/L		U				.006 MG/L		UJ
CALCIUM							130 MG/L		-				4580 MG/L		J
CHROMIUM							.0032 MG/L		U				.82 MG/L		J
COBALT							.0053 MG/L		U				.489 MG/L		J
COPPER							.0026 MG/L		U				1.03 MG/L		J
CYANIDE				.01 MG/L		U									
IRON							1.37 MG/L		-				1110 MG/L		J
LEAD							.001 MG/L		U				.001 MG/L		UJ
MAGNESIUM							49.3 MG/L		-				1530 MG/L		J
MANGANESE							.665 MG/L		-				24.3 MG/L		J
MERCURY							.0002 MG/L		U				.0004 MG/L		J
NICKEL							.0256 MG/L		-				1.47 MG/L		J
POTASSIUM							4.23 MG/L		-				48.1 MG/L		J

SAMPLE NUMBER:	30916-11229-01			30916-11229-01			30916F11229-01			30916F11229-02			30916U11229-01		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	DL-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															
SELENIUM							.0012 MG/L		U				.01 MG/L		UJ
SILVER							.0032 MG/L		U				.016 MG/L		UJ
SODIUM							16.6 MG/L		-				24.1 MG/L		J
THALLIUM							.001 MG/L		U				.001 MG/L		UJ
VANADIUM							.0029 MG/L		-				.699 MG/L		J
ZINC							.0041 MG/L		U				2.91 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL										36.7 UG/L	2.6	-			
THORIUM-230										.2 PCI/L	.3	UJ			
RADIUM-226										1 PCI/L	.4	U			
THORIUM-232										.2 PCI/L	.2	UJ			
RADIUM-228										3 PCI/L	1	U			
THORIUM-228										.2 PCI/L	.3	UJ			
STRONTIUM-90										1 PCI/L	.4	UJ			
GROSS ALPHA										19.6 PCI/L	3.5	NV			
GROSS BETA										15.3 PCI/L	3.1	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		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		UJ									
4-NITROPHENOL				25 UG/L		UJ									

SAMPLE NUMBER:	30916-11229-01			30916-11229-01			30916F11229-01			30916F11229-02			30916U11229-01		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	DL-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															
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		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				25 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				25 UG/L		U									
PHENANTHRENE				10 UG/L		U									
PHENOL				10 UG/L		U									
PYRENE				10 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE				82 UG/L		-									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE	520 UG/L		-												
1,1-DICHLOROETHENE				14 UG/L		-									

SAMPLE NUMBER:	30916-11229-01			30916-11229-01			30916F11229-01			30916F11229-02			30916U11229-01		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			DATACHEM		
SUFFIX/FILTERFLAG:	DL-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															
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				150 UG/L		-									
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				24 UG/L		-									
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				3 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				1 UG/L		J									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30916U11229-02	30908-11230-03	30908-11230-03	30908-11230-04	30908U11230-01
TASK:	50.03.22	50.03.22	50.03.22	50.03.22	50.03.22
LAB:	CORE	DATACHEM	DATACHEM	FERMCO	CORE
WELL OR BORING NUMBER:	11229	11230	11230	11230	11230
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-SEP-93	08-SEP-93	08-SEP-93	08-SEP-93	08-SEP-93
NORTH COORDINATE:	482516.93	481837.12	481837.12	481837.12	481837.12
EAST COORDINATE:	1380834.44	1381868.48	1381868.48	1381868.48	1381868.48
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	RE-UNF	NONE-UNF	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	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				.1 MG/L		-									
CHLORIDE				20 MG/L		-									
FLUORIDE				.6 MG/L		-									
NITRATE				.05 MG/L		-									
PHENOLS				.002 MG/L		U									
PHOSPHORUS				3 MG/L		J									
SULFATE				120 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				.3 MG/L		-									
TOTAL ORGANIC CARBON				3 MG/L		-									
TOTAL ORGANIC HALIDES				.02 MG/L		-									
INORGANICS															
ALUMINUM				13.8 MG/L		J									
ANTIMONY				.045 MG/L		U									
ARSENIC				.0074 MG/L		U									
BARIUM				.204 MG/L		-									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.003 MG/L		U									
CALCIUM				239 MG/L		J									
CHROMIUM				.0392 MG/L		-									
COBALT				.0184 MG/L		U									
COPPER				.0661 MG/L		-									
CYANIDE				.01 MG/L		U									
IRON				35.3 MG/L		J									
LEAD				.0236 MG/L		-									
MAGNESIUM				67 MG/L		J									
MANGANESE				.897 MG/L		J									
MERCURY				.0002 MG/L		U									
NICKEL				.0498 MG/L		-									

SAMPLE NUMBER:	30916U11229-02			30908-11230-03			30908-11230-03			30908-11230-04			30908U11230-01		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	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 MG/L		-									
SELENIUM				.0033 MG/L		J									
SILVER				.003 MG/L		U									
SODIUM				8.69 MG/L		-									
THALLIUM				.001 MG/L		U									
VANADIUM				.0318 MG/L		-									
ZINC				.129 MG/L		-									
RADIONUCLIDES															
URANIUM-238	16.5 PCI/L	2.3	R										296 PCI/L	39.6	R
URANIUM, TOTAL	38.1 UG/L	2.7	-							850 UG/L		NV	937 UG/L	65.6	-
URANIUM-234	17.2 PCI/L	2.4	R										269 PCI/L	36.5	R
THORIUM-230	.7 PCI/L	.2	J										1.4 PCI/L	.4	J
RADIUM-226	1 PCI/L	.3	U										8.3 PCI/L	1.1	-
URANIUM-235/236	.6 PCI/L	.9	R										12.5 PCI/L	8.5	R
THORIUM-232	.2 PCI/L	.2	UJ										.3 PCI/L	.2	J
THORIUM, TOTAL	1.82405912 PCI/L		NV										2.73610604 PCI/L	.2	NV
RADIUM-228	3 PCI/L	.9	U										3.5 PCI/L	1.2	-
THORIUM-228	.2 PCI/L	.2	UJ										.3 PCI/L	.2	J
PLUTONIUM-239/240	5.5 PCI/L	19.2	R										.5 PCI/L	1.2	R
PLUTONIUM-238	.2 PCI/L	14.3	R										.4 PCI/L	1.1	R
STRONTIUM-90	2.9 PCI/L	1.5	UJ										1.5 PCI/L	.9	UJ
TECHNETIUM-99													15 PCI/L	7.7	U
CESIUM-137	4.9 PCI/L	1.5	J										4 PCI/L	.8	UJ
GROSS ALPHA	39.4 PCI/L	9.4	NV										96.2 PCI/L	16.6	NV
GROSS BETA	22.5 PCI/L	13.4	UNV										47.7 PCI/L	18.8	NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							100 UG/L		U						
1,2-DICHLOROBENZENE				10 UG/L		U									
1,3-DICHLOROBENZENE				10 UG/L		U									
1,4-DICHLOROBENZENE							100 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							100 UG/L		U						
2,6-DINITROTOLUENE				10 UG/L		U									
2-CHLORONAPHTHALENE				10 UG/L		U									
2-CHLOROPHENOL							100 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									

SAMPLE NUMBER:	30916U11229-02			30908-11230-03			30908-11230-03			30908-11230-04			30908U11230-01		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	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				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							100 UG/L		U						
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				25 UG/L		U									
4-NITROPHENOL							250 UG/L		U						
ACENAPHTHENE							100 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									
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							100 UG/L		U						
N-NITROSODIPHENYLAMINE				10 UG/L		UJ									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL							250 UG/L		U						
PHENANTHRENE				10 UG/L		U									
PHENOL				.002 MG/L		U	100 UG/L		U						

SAMPLE NUMBER:	30916U11229-02			30908-11230-03			30908-11230-03			30908-11230-04			30908U11230-01		
LAB:	CORE			DATACHEM			DATACHEM			FERMCO			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	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							100 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		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:	30909F11230-01	30909F11230-02	30909F11230-03	30928-11234-01	93.50.03.25-0841
TASK:	50.03.22	50.03.22	50.03.22	50.03.24	50.03.25
LAB:	CORE	DATACHEM	FERMCO	FERMCO	FERMCO
WELL OR BORING NUMBER:	11230	11230	11230	11234	11235
DEPTH:	-	-	-	-	51.5-61.5
DATE COLLECTED:	09-SEP-93	09-SEP-93	09-SEP-93	28-SEP-93	17-DEC-93
NORTH COORDINATE:	481837.12	481837.12	481837.12	478223.42	476341.33
EAST COORDINATE:	1381868.48	1381868.48	1381868.48	1378773.37	1380267.65
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															
ALKALINITY AS CACO3										140 MG/L		-			
BICARBONATE ALKALINITY										180 MG/L		-			
CARBONATE ALKALINITY										1 MG/L		U			
CHLORIDE										33 MG/L		-			
SULFATE										51 MG/L		-			
INORGANICS															
ALUMINUM				.83 MG/L		J									
ANTIMONY				.045 MG/L		U									
ARSENIC				.0034 MG/L		U									
BARIUM				.114 MG/L		-									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.003 MG/L		U									
CALCIUM				153 MG/L		J									
CHROMIUM				.0119 MG/L		U									
COBALT				.006 MG/L		U									
COPPER				.0065 MG/L		-									
CYANIDE				.01 MG/L		U									
IRON				2.1 MG/L		J									
LEAD				.0017 MG/L		J									
MAGNESIUM				38.7 MG/L		J									
MANGANESE				.295 MG/L		J									
MERCURY				.0002 MG/L		U									
NICKEL				.019 MG/L		U									
POTASSIUM				1.12 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.003 MG/L		U									
SODIUM				7.94 MG/L		-									
THALLIUM				.001 MG/L		U									
VANADIUM				.004 MG/L		U									
ZINC				.0262 MG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	30909F11230-01			30909F11230-02			30909F11230-03			30928-11234-01			93.50.03.25-0841		
LAB:	CORE			DATACHEM			FERMCO			FERMCO			FERMCO		
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	127 PCI/L	18	R												
URANIUM, TOTAL	420 UG/L	29.4	-				380 UG/L		NV				140 UG/L		NV
URANIUM-234	117 PCI/L	16.8	R												
THORIUM-230	.7 PCI/L	.4	R												
RADIUM-226	1 PCI/L	.3	U												
URANIUM-235/236	4.5 PCI/L	4.2	R												
THORIUM-232	.1 PCI/L	.2	R												
RADIUM-228	3 PCI/L	1	U												
THORIUM-228	.1 PCI/L	.2	R												
PLUTONIUM-239/240	.9 PCI/L	2.1	R												
PLUTONIUM-238	.8 PCI/L	1.9	R												
STRONTIUM-90	1 PCI/L	.5	UJ												
TECHNETIUM-99	15 PCI/L	8.4	U												
CESIUM-137	1.6 PCI/L	.9	R												
GROSS ALPHA	192 PCI/L	10.2	NV												
GROSS BETA	82.3 PCI/L	5.8	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	93.50.03.25-0842			003654			003654			066835			066892		
TASK:	50.03.25			3.2.4			3.2.4			9.27			9.27		
LAB:	FERMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	11235			1124			1124			1124			1124		
DEPTH:	51.5-61.5			-			-			-			-		
DATE COLLECTED:	17-DEC-93			03-NOV-88			03-NOV-88			08-JAN-90			08-JAN-90		
NORTH COORDINATE:	476341.33			483033.12			483033.12			483033.12			483033.12		
EAST COORDINATE:	1380267.65			1382783.19			1382783.19			1382783.19			1382783.19		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													066835		
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							48 MG/L		-						
FLUORIDE							.2 MG/L		J						
NITRATE							.169 MG/L		J						
PHENOLS							.01 MG/L		UJ						
PHOSPHORUS							.054 MG/L		-						
SULFATE							6.78 MG/L		-						
TOTAL KJELDAHL NITROGEN							.28 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		U						
TOTAL ORGANIC NITROGEN							.28 MG/L		-						
INORGANICS															
ARSENIC				.002 MG/L		U									
BARIUM				.04 MG/L		-									
CADMIUM				.002 MG/L		U									
CALCIUM				146 MG/L		-									
CHROMIUM				.02 MG/L		U									
COPPER				.01 MG/L		U									
IRON				.3 MG/L		U									
LEAD				.002 MG/L		UJ									
MAGNESIUM				50.3 MG/L		-									
MANGANESE				.02 MG/L		-									
MERCURY				.0002 MG/L		UJ									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									
POTASSIUM				2.38 MG/L		-									
SELENIUM				.002 MG/L		U									
SILVER				.01 MG/L		U									
SODIUM				26.7 MG/L		-									

SAMPLE NUMBER:	93.50.03.25-0842			003654			003654			066835			066892		
LAB:	FERMCO			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)
RADIONUCLIDES															
URANIUM-238							2.6 PCI/L	.5	J	3.17 PCI/L	.58	-	3.12 PCI/L	.53	-
URANIUM, TOTAL	250 UG/L		NV				8 UG/L	1	-	13.9 UG/L	1.5	J	12.8 UG/L	1.4	J
URANIUM-234							3.6 PCI/L	.7	J	3.52 PCI/L	.62	R	3.52 PCI/L	.6	R
THORIUM-230							1 PCI/L		U	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	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	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	30 PCI/L		U
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	003485	003485	003841	003841	EMGW_SYSGEN_296
TASK:	3.2.4	3.2.4	3.2.4	3.2.4	GWMON
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1124	1124	1124	1124	1124
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-JAN-89	20-JAN-89	20-JAN-89	20-JAN-89	21-MAY-90
NORTH COORDINATE:	483033.12	483033.12	483033.12	483033.12	483033.12
EAST COORDINATE:	1382783.19	1382783.19	1382783.19	1382783.19	1382783.19
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	003841	003841			
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		J				1.37 MG/L		J			
CHLORIDE				25 MG/L		-				33 MG/L		-			
FLUORIDE				.34 MG/L		J				.35 MG/L		J			
NITRATE				3.85 MG/L		R				3.78 MG/L		R			
PHENOLS				.01 MG/L		U				.01 MG/L		U			
SULFATE				201 MG/L		-				209 MG/L		-			
TOTAL KJELDAHL NITROGEN				.745 MG/L		R				1.9 MG/L		R			
TOTAL ORGANIC HALIDES				.019 MG/L		J				.016 MG/L		J			
TOTAL ORGANIC NITROGEN				.645 MG/L		-				.53 MG/L		-			
INORGANICS															
ARSENIC	.002 MG/L		U				.002 MG/L		U						
BARIUM	.037 MG/L		-				.038 MG/L		-						
CADMIUM	.006 MG/L		-				.007 MG/L		-						
CALCIUM	127 MG/L		-				130 MG/L		-						
CHROMIUM	.026 MG/L		-				.027 MG/L		-						
COPPER	.014 MG/L		-				.014 MG/L		-						
IRON	.073 MG/L		-				.126 MG/L		-						
LEAD	.002 MG/L		R				.002 MG/L		R						
MAGNESIUM	44.5 MG/L		-				45.8 MG/L		-						
MANGANESE	.078 MG/L		-				.072 MG/L		-						
MERCURY	.0002 MG/L		U				.0002 MG/L		U						
MOLYBDENUM	.02 MG/L		U				.02 MG/L		U						
NICKEL	.021 MG/L		-				.022 MG/L		-						
POTASSIUM	2.44 MG/L		-				2.53 MG/L		-						
SELENIUM	.002 MG/L		UJ				.002 MG/L		UJ						
SILVER	.0005 MG/L		R				.0005 MG/L		R						
SODIUM	22.9 MG/L		-				23 MG/L		-						
RADIONUCLIDES															

URANIUM-238
10/01/94

				2.8 PCI/L	.9	-				2.4 PCI/L	.6	-	2.97 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

DRAFT
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SAMPLE NUMBER:	003485			003485			003841			003841			EMGW_SYSGEN_296		
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)
RADIONUCLIDES															
URANIUM, TOTAL				8 UG/L	1	-				8 UG/L	1	-	9 UG/L		NV
URANIUM-234				3.1 PCI/L	.9	-				2.5 PCI/L	.6	-	4.44 PCI/L		NV
THORIUM-230				1 PCI/L		U				1 PCI/L		U	.32 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	.292 PCI/L		NV
THORIUM-232				1 PCI/L		U				1 PCI/L		U	.32 PCI/L		UNV
THORIUM, TOTAL				5 UG/L		U				4 UG/L		U	2.9 UG/L		UNV
RADIUM-228				3.1 PCI/L		UJ				3 PCI/L		U	3 PCI/L		UNV
THORIUM-228				1 PCI/L		U				1 PCI/L		U	.32 PCI/L		UNV
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													59.2 PCI/L		NV
GROSS BETA													24 PCI/L		UNV

001624

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_296	003234	003234	003424	003424
TASK:	GWMON	3.2.4	3.2.4	3.2.4	3.2.4
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	1124	1124	1124	1124	1124
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-MAY-90	24-MAY-88	24-MAY-88	25-JUL-88	25-JUL-88
NORTH COORDINATE:	483033.12	483033.12	483033.12	483033.12	483033.12
EAST COORDINATE:	1382783.19	1382783.19	1382783.19	1382783.19	1382783.19
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		-				.02 MG/L		U
CHLORIDE	27 MG/L		NV				200 MG/L		-				60 MG/L		-
FLUORIDE							.4 MG/L		J				.31 MG/L		-
NITRATE	3.08 MG/L		NV				1.6 MG/L		-				.69 MG/L		J
NITRATE, AS NITROGEN	3.08 MG/L		NV												
PHENOLS							.01 MG/L		UJ				.007 MG/L		-
PHOSPHORUS							.08 MG/L		-				.16 MG/L		-
SULFATE	156 MG/L		NV				290 MG/L		-				222 MG/L		-
TOTAL ORGANIC CARBON	17 MG/L		NV												
TOTAL ORGANIC HALOGENS	.01 MG/L		UNV												
TOTAL ORGANIC NITROGEN							.1 MG/L		-				.05 MG/L		R
INORGANICS															
ARSENIC				.2 MG/L		U				.01 MG/L		U			
BARIUM				.05 MG/L		U				.5 MG/L		U			
CADMIUM				.005 MG/L		U				.005 MG/L		U			
CALCIUM				131 MG/L		-				160 MG/L		-			
CHROMIUM				.02 MG/L		U				.01 MG/L		U			
COPPER				.01 MG/L		U				.01 MG/L		U			
IRON				.12 MG/L		-				.1 MG/L		U			
LEAD				.05 MG/L		U				.005 MG/L		U			
MAGNESIUM				45.3 MG/L		-				6 MG/L		-			
MANGANESE				.02 MG/L		U				.01 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				.03 MG/L		U			
POTASSIUM				2.69 MG/L		-				2.3 MG/L		-			
SELENIUM				.2 MG/L		U				.005 MG/L		UJ			
SILVER				.01 MG/L		U				.01 MG/L		U			
SODIUM				22.8 MG/L		-				34 MG/L		-			

SAMPLE NUMBER:	EMGW_SYSGEN_296			003234			003234			003424			003424		
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)
RADIONUCLIDES															
URANIUM-238							2.1 PCI/L	.4	-				2.3 PCI/L	.4	J
URANIUM, TOTAL							6 UG/L	1	J				7 UG/L	1	-
URANIUM-234							2.4 PCI/L	.5	-				2.7 PCI/L	.5	J
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		UJ
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	1.1	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	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												

SAMPLE NUMBER:	EMGW_SYSGEN_296			003234			003234			003424			003424		
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															
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:	EMGW_SYSGEN_297	EMGW_SYSGEN_297	045294	045140	045627
TASK:	GWMON	GWMON	3.7	3.7	3.7
LAB:	IT	NET	WMCO	WMCO	IT
WELL OR BORING NUMBER:	1124	1124	1130	1130	1130
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-90	25-OCT-90	03-AUG-89	05-MAY-89	29-JUN-90
NORTH COORDINATE:	483033.12	483033.12	480718.93	480718.93	480718.93
EAST COORDINATE:	1382783.19	1382783.19	1380753.33	1380753.33	1380753.33
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				317 MG/L		NV									
AMMONIA				.02 MG/L		UNV									
CHLORIDE				10 MG/L		NV									
FLUORIDE				.34 MG/L		NV									
NITRATE/NITRITE				4.3 MG/L		NV									
PH				7.17 SU		NV									
PHENOLS				.005 MG/L		UNV									
PHOSPHORUS				.16 MG/L		NV									
SPECIFIC CONDUCTIVITY				719 UMHOS/CM		NV									
SULFATE				79 MG/L		NV									
TOTAL DISSOLVED SOLIDS				536 MG/L		NV									
TOTAL ORGANIC CARBON				6 MG/L		NV									
TOTAL ORGANIC HALOGENS				.01 MG/L		UNV									
INORGANICS															
CYANIDE				.005 MG/L		UNV									
No sort code listed.															
TRANS-1,2-DICHLOROETHENE				1 UG/L		UNV									
RADIONUCLIDES															
URANIUM-238	1.98 PCI/L		NV							60 PCI/L		NV			
URANIUM, TOTAL	4.67 UG/L		NV				64.5 UG/L		NV	120 PCI/L		NV	37.7 UG/L	5.6	
URANIUM-234	3.28 PCI/L		NV							56 PCI/L		NV			
THORIUM-230	.617 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/236	.548 PCI/L		NV												
THORIUM-232	.28 PCI/L		UNV												
THORIUM, TOTAL	2.5 UG/L		UNV												

SAMPLE NUMBER:	EMGW_SYSGEN_297			EMGW_SYSGEN_297			045294			045140			045627		
LAB:	IT			NET			WMCO			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															
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.946 PCI/L		NV												
GROSS ALPHA	6.8 PCI/L		UNV												
GROSS BETA	6.17 PCI/L		NV												
URANIUM-235	.548 PCI/L		NV							2.8 PCI/L		NV			
URANIUM-236										.8 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									
XYLENES, TOTAL				1 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045628	045171	EMGW_SYSGEN_298	118480	045172
TASK:	3.7	3.7	GWMON	50.03.23	3.7
LAB:	IT	IT	NET	FERMCO	IT
WELL OR BORING NUMBER:	1130	1131	1131	1131	1131
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-JUN-90	16-JAN-90	26-OCT-90	27-MAY-93	29-JUN-90
NORTH COORDINATE:	480718.93	480724.38	480724.38	480724.38	480724.38
EAST COORDINATE:	1380753.33	1381019.82	1381019.82	1381019.82	1381019.82
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	4.23 MG/L		-	.1 MG/L		U									
INORGANICS															
LEAD							.055 MG/L		NV						
RADIONUCLIDES															
URANIUM, TOTAL				2180 UG/L	350	-				640 UG/L		NV	1280 UG/L	176	-
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:	045631			045142			045126			045130			045128		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			WMCO			WMCO			IT			FERMCO		
WELL OR BORING NUMBER:	1131			1133			1133			1133			1134		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-JUN-90			05-MAY-89			14-APR-89			14-APR-89			10-MAY-89		
NORTH COORDINATE:	480724.38			480689.65			480689.65			480689.65			480745.16		
EAST COORDINATE:	1381019.82			1381883.56			1381883.56			1381883.56			1379849.31		
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												
OIL AND GREASE										6.4 MG/L		J			
RADIONUCLIDES															
URANIUM-238				9.3 PCI/L		NV									
URANIUM, TOTAL				18 PCI/L		NV	32 UG/L		NV				36 UG/L		NV
URANIUM-234				7 PCI/L		NV									
URANIUM-235				.37 PCI/L		NV									
URANIUM-236				.089 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045128	045426	045427	045428	062966
TASK:	3.7	3.7	3.7	3.7	04.23
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	1134	1134	1134	1134	1135
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-MAY-89	18-OCT-89	18-OCT-89	31-JAN-90	02-JUL-92
NORTH COORDINATE:	480745.16	480745.16	480745.16	480745.16	480557.3
EAST COORDINATE:	1379849.31	1379849.31	1379849.31	1379849.31	1380909.27
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															
NITRATE	1180 MG/L		NV				.1 MG/L		U	.1 MG/L		U			
NITRITE, AS NITROGEN	122 MG/L		NV												
INORGANICS															
ALUMINUM													.124 MG/L		-
ANTIMONY													.03 MG/L		UJ
ARSENIC													.0324 MG/L		J
BARIUM													.109 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		UJ
CALCIUM													8.13 MG/L		-
CHROMIUM													.01 MG/L		UJ
COBALT													.01 MG/L		U
COPPER													.032 MG/L		-
IRON													.12 MG/L		-
LEAD													.0027 MG/L		J
MAGNESIUM													38.1 MG/L		-
MANGANESE													.0968 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													1.42 MG/L		-
NICKEL													.0936 MG/L		-
POTASSIUM													12400 MG/L		-
SELENIUM													.002 MG/L		UJ
SILICON													6.3 MG/L		-
SILVER													.01 MG/L		UJ
SODIUM													61.9 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM													.01 MG/L		U
ZINC													.0759 MG/L		-

RADIONUCLIDES					
URANIUM, TOTAL	21 UG/L	3	-		

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062966	045322	045323	062951	062950
TASK:	04.23	3.7	3.7	04.23	04.23
LAB:	IT	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1135	1135	1135	1135	1135
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JUL-92	08-OCT-89	08-OCT-89	15-JUL-92	30-JUN-92
NORTH COORDINATE:	480557.3	480557.3	480557.3	480557.3	480557.3
EAST COORDINATE:	1380909.27	1380909.27	1380909.27	1380909.27	1380909.27
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						
INORGANICS															
CYANIDE													.0027 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												

SAMPLE NUMBER:	062966			045322			045323			062951			062950		
LAB:	IT			IT			IT			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)
PESTICIDES															
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM, TOTAL				548 UG/L	78	-				630 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		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

SAMPLE NUMBER:	062966			045322			045323			062951			062950		
LAB:	IT			IT			IT			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)
SEMIVOLATILES															
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		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													1 UG/L		J
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													2 UG/L		J
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

SAMPLE NUMBER:	062966			045322			045323			062951			062950		
LAB:	IT			IT			IT			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															
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													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:	045641			045642			045314			045315			062952		
TASK:	3.7			3.7			3.7			3.7			04.23		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1135			1135			1136			1136			1136		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	31-JUL-90			31-JUL-90			08-OCT-89			08-OCT-89			26-JUN-92		
NORTH COORDINATE:	480557.3			480557.3			480479.1			480479.1			480479.1		
EAST COORDINATE:	1380909.27			1380909.27			1380906.25			1380906.25			1380906.25		
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															
NITRATE				.32 MG/L		-				.1 MG/L		U			
INORGANICS															
ALUMINUM													.03 MG/L		U
ANTIMONY													.03 MG/L		UJ
ARSENIC													.0273 MG/L		J
BARIUM													.172 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													208 MG/L		-
CHROMIUM													.01 MG/L		UJ
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
CYANIDE													.002 MG/L		U
IRON													.02 MG/L		U
LEAD													.0049 MG/L		J
MAGNESIUM													80.6 MG/L		-
MANGANESE													.413 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.0957 MG/L		-
POTASSIUM													1.6 MG/L		-
SELENIUM													.002 MG/L		UJ
SILICON													12.1 MG/L		-
SILVER													.01 MG/L		UJ
SODIUM													46.7 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.01 MG/L		UJ
ZINC													.0214 MG/L		-

RADIONUCLIDES										
URANIUM, TOTAL	326 UG/L	50	-		102 UG/L	14	-			

001659

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062952	062953	045644	045645	045141
TASK:	04.23	04.23	3.7	3.7	3.7
LAB:	IT	WEMCO	IT	IT	WMCO
WELL OR BORING NUMBER:	1136	1136	1136	1136	1137
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUN-92	26-JUN-92	28-AUG-90	28-AUG-90	05-MAY-89
NORTH COORDINATE:	480479.1	480479.1	480479.1	480479.1	480498.14
EAST COORDINATE:	1380906.25	1380906.25	1380906.25	1380906.25	1381038.54
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															
NITRATE										.1 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												

SAMPLE NUMBER:	062952			062953			045644			045645			045141		
LAB:	IT			WEMCO			IT			IT			WMCO		
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				405 UG/L		NV	167 UG/L	24	-				5.3 PCI/L		NV
URANIUM-234													11 PCI/L		NV
URANIUM-235													6 PCI/L		NV
URANIUM-236													.24 PCI/L		NV
													.061 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-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												

SAMPLE NUMBER:	062952			062953			045644			045645			045141		
LAB:	IT			WEMCO			IT			IT			WMCO		
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)
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		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												
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	2 UG/L		J												
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												

SAMPLE NUMBER:	062952			062953			045644			045645			045141		
LAB:	IT			WEMCO			IT			IT			WMCO		
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															
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	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:	045125	045135	045648	045649	045328
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	1137	1137	1137	1137	1145
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-APR-89	14-APR-89	16-FEB-90	29-JUN-90	03-OCT-89
NORTH COORDINATE:	480498.14	480498.14	480498.14	480498.14	480450.66
EAST COORDINATE:	1381038.54	1381038.54	1381038.54	1381038.54	1381683.44
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															
NITRATE							.19 MG/L		-	.1 MG/L		U			
OIL AND GREASE				3.7 MG/L		J									
RADIONUCLIDES															
URANIUM, TOTAL	20 UG/L		NV										96200 UG/L	12000	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045329			120231			120231			120231F			120232		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			CORE		
WELL OR BORING NUMBER:	1145			1145			1145			1145			1145		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-OCT-89			17-JUN-93			17-JUN-93			17-JUN-93			17-JUN-93		
NORTH COORDINATE:	480450.66			480450.66			480450.66			480450.66			480450.66		
EAST COORDINATE:	1381683.44			1381683.44			1381683.44			1381683.44			1381683.44		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL 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	61.5 MG/L		-												
INORGANICS															
ALUMINUM										.922 MG/L		-			
ANTIMONY										.0157 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0876 MG/L		-			
BERYLLIUM										.0041 MG/L		U			
CADMIUM										.0012 MG/L		U			
CALCIUM										136 MG/L		-			
CHROMIUM										.0736 MG/L		-			
COBALT										.0034 MG/L		U			
COPPER										.0268 MG/L		-			
CYANIDE										.01 MG/L		U			
IRON										.0067 MG/L		U			
LEAD										.001 MG/L		U			
MAGNESIUM										36.3 MG/L		-			
MANGANESE										.394 MG/L		-			
MERCURY										.0002 MG/L		U			
NICKEL										.007 MG/L		U			
POTASSIUM										2.6 MG/L		-			
SELENIUM										.001 MG/L		UJ			
SILVER										.0518 MG/L		J			
SODIUM										91.2 MG/L		-			
THALLIUM										.001 MG/L		UJ			
VANADIUM										.0032 MG/L		-			
ZINC										.0207 MG/L		U			
RADIONUCLIDES															
URANIUM-238													8380 PCI/L	1280	

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SAMPLE NUMBER:	045329			120231			120231			120231F			120232		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	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													25400 UG/L	1780	J
URANIUM-234													8070 PCI/L	1240	J
THORIUM-230													.2 PCI/L	.2	UJ
RADIUM-226													2.4 PCI/L	.6	-
URANIUM-235/236													347 PCI/L	119	J
THORIUM-232													.2 PCI/L	.3	UJ
THORIUM, TOTAL													1.82403432 PCI/L	.3	NV
RADIUM-228													4 PCI/L	1.1	-
THORIUM-228													.2 PCI/L	.7	UJ
TECHNETIUM-99													2130 PCI/L	118	-
GROSS ALPHA													28400 PCI/L	537	NV
GROSS BETA													20100 PCI/L	251	NV
VOLATILES															
1,1,1-TRICHLOROETHANE				270 UG/L		-									
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							52 UG/L		-						
1,1-DICHLOROETHENE							110 UG/L		-						
1,2-DICHLOROETHANE							61 UG/L		-						
1,2-DICHLOROETHENE (TOTAL)							310 UG/L		-						
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							2 UG/L		J						
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				2600 UG/L		-									
TOLUENE							10 UG/L		U						
TRANS-1,3-DICHLOROPROPENE							10 UG/L		U						
TRICHLOROETHENE				1600 UG/L		-									
VINYL CHLORIDE							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045329			120231			120231			120231F			120232		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			CORE		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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:	120232F	120233	120234	066899	066899
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	CORE	FERMCO	FERMCO	IT	IT
WELL OR BORING NUMBER:	1145	1145	1145	1145	1145
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUN-93	17-JUN-93	17-JUN-93	23-JUL-90	23-JUL-90
NORTH COORDINATE:	480450.66	480450.66	480450.66	480450.66	480450.66
EAST COORDINATE:	1381683.44	1381683.44	1381683.44	1381683.44	1381683.44
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-UNF	NONE-UNF	NONE-FIL	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)
INORGANICS															
ALUMINUM										2.03 MG/L		-			
ANTIMONY										.0963 MG/L		-			
ARSENIC										.002 MG/L		UJ			
BARIUM										.14 MG/L		-			
BERYLLIUM										.0158 MG/L		-			
CADMIUM										.0211 MG/L		-			
CALCIUM										249 MG/L		-			
CHROMIUM										.513 MG/L		J			
COBALT										.0603 MG/L		-			
COPPER										.0909 MG/L		-			
IRON										.189 MG/L		-			
LEAD										.007 MG/L		J			
MAGNESIUM										83.3 MG/L		-			
MANGANESE										.726 MG/L		-			
MERCURY										.0002 MG/L		UJ			
NICKEL										.0946 MG/L		-			
POTASSIUM										5.86 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.202 MG/L		-			
SODIUM										78.2 MG/L		-			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.164 MG/L		-			
ZINC										.0096 MG/L		U			
RADIONUCLIDES															
URANIUM-238	8380 PCI/L	1280	J												
URANIUM, TOTAL	25400 UG/L	1780	J				31000 UG/L		NV						
URANIUM-234	8070 PCI/L	1240	J												
THORIUM-230	.2 PCI/L	.2	UJ												
RADIUM-226	2.4 PCI/L	.6	-												
URANIUM-235/236	347 PCI/L	119	J												

SAMPLE NUMBER:	120232F			120233			120234			066899			066899		
LAB:	CORE			FERMCO			FERMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			NONE-UNF			NONE-FIL			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)
RADIONUCLIDES															
THORIUM-232	.2 PCI/L	.3	UJ												
THORIUM, TOTAL	1.82403432 PCI/L		NV												
RADIUM-228	4 PCI/L	1.1	-												
THORIUM-228	.2 PCI/L	.7	UJ												
TECHNETIUM-99	2130 PCI/L	118	-												
GROSS ALPHA	28400 PCI/L	109	NV	39000 PCI/L		NV									
GROSS BETA	20100 PCI/L	52.5	NV	11000 PCI/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE													300 UG/L		-
1,1,2,2-TETRACHLOROETHANE													120 UG/L		UR
1,1,2-TRICHLOROETHANE													120 UG/L		UR
1,1-DICHLOROETHANE													41 UG/L		R
1,1-DICHLOROETHENE													150 UG/L		R
1,2-DICHLOROETHANE													140 UG/L		R
1,2-DICHLOROETHENE (TOTAL)													210 UG/L		-
1,2-DICHLOROPROPANE													120 UG/L		UR
2-BUTANONE													130 UG/L		R
2-HEXANONE													250 UG/L		UR
4-METHYL-2-PENTANONE													250 UG/L		UR
ACETONE													42 UG/L		R
BENZENE													120 UG/L		UR
BROMODICHLOROMETHANE													120 UG/L		UR
BROMOFORM													120 UG/L		UR
BROMOMETHANE													250 UG/L		UR
CARBON DISULFIDE													120 UG/L		UR
CARBON TETRACHLORIDE													120 UG/L		UR
CHLOROBENZENE													120 UG/L		UR
CHLOROETHANE													250 UG/L		UR
CHLOROFORM													120 UG/L		UR
CHLOROMETHANE													250 UG/L		UR
CIS-1,3-DICHLOROPROPENE													120 UG/L		UR
DIBROMOCHLOROMETHANE													120 UG/L		UR
ETHYLBENZENE													120 UG/L		UR
METHYLENE CHLORIDE													260 UG/L		R
STYRENE													120 UG/L		UR
TETRACHLOROETHENE													220 UG/L		-
TOLUENE													120 UG/L		UR
TRANS-1,3-DICHLOROPROPENE													120 UG/L		UR
TRICHLOROETHENE													1400 UG/L		-
VINYL ACETATE													250 UG/L		UR
VINYL CHLORIDE													250 UG/L		UR
XYLENES, TOTAL													120 UG/L		UR

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066899			066899			120235			045652			045653		
TASK:	3.7			3.7			50.03.23			3.7			3.7		
LAB:	IT			IT			DATACHEM			IT			IT		
WELL OR BORING NUMBER:	1145			1145			1145			1145			1145		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-JUL-90			23-JUL-90			23-JUN-93			24-JAN-90			24-JAN-90		
NORTH COORDINATE:	480450.66			480450.66			480450.66			480450.66			480450.66		
EAST COORDINATE:	1381683.44			1381683.44			1381683.44			1381683.44			1381683.44		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													045652		
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															
ALKALINITY AS CACO3							560 MG/L		-						
AMMONIA							.28 MG/L		-						
CHLORIDE							39 MG/L		-						
FLUORIDE							.3 MG/L		-						
NITRATE										52.02 MG/L		-	51.76 MG/L		-
PHENOLS							.007 MG/L		-						
PHOSPHORUS							3.6 MG/L		-						
SULFATE							60 MG/L		-						
SULFIDE							6 MG/L		J						
TOTAL KJELDAHL NITROGEN							.5 MG/L		-						
TOTAL ORGANIC NITROGEN							.22 MG/L		-						
INORGANICS															
ALUMINUM							96.3 MG/L		J						
ANTIMONY							.0157 MG/L		U						
ARSENIC							.0105 MG/L		-						
BARIUM							.588 MG/L		-						
BERYLLIUM							.0094 MG/L		U						
CADMIUM							.0012 MG/L		U						
CALCIUM							980 MG/L		-						
CHROMIUM							.0897 MG/L		-						
COBALT							.0993 MG/L		-						
COPPER							.204 MG/L		-						
CYANIDE	.0216 MG/L		J				.01 MG/L		UJ						
IRON							217 MG/L		-						
LEAD							.0662 MG/L		-						
MAGNESIUM							328 MG/L		-						
MANGANESE							4.33 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.206 MG/L		-						
POTASSIUM							15.6 MG/L		-						

SAMPLE NUMBER:	066899			066899			120235			045652			045653		
LAB:	IT			IT			DATACHEM			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)
INORGANICS															
SELENIUM							.0016 MG/L		R						
SILVER							.0531 MG/L		UJ						
SODIUM							98.9 MG/L		-						
THALLIUM							.0012 MG/L		J						
VANADIUM							.0152 MG/L		U						
ZINC							.531 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-238	26400 PCI/L		NV												
URANIUM, TOTAL	56700 UG/L		NV							169000 UG/L	25000	-	172000 UG/L	26000	-
URANIUM-234	27600 PCI/L		NV												
THORIUM-230	3.45 PCI/L		NV												
RADIUM-226	1 PCI/L		UNV												
URANIUM-235/23	2280 PCI/L		NV												
THORIUM-232	6.68 PCI/L		NV												
THORIUM, TOTAL	60.3 UG/L		NV												

SAMPLE NUMBER:	066899			066899			120235			045652			045653		
LAB:	IT			IT			DATACHEM			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)
RADIONUCLIDES															
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	3.34 PCI/L		NV												
NEPTUNIUM-237	1 PCI/L		UNV												
PLUTONIUM-239/240	1 PCI/L		UNV												
PLUTONIUM-238	1 PCI/L		UNV												
STRONTIUM-90	5 PCI/L		UNV												
TECHNETIUM-99	1650 PCI/L		NV												
RUTHENIUM-106	160 PCI/L		UNV												
CESIUM-137	20 PCI/L		UNV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UR	10 UG/L		UR									
1,2-DICHLOROBENZENE	10 UG/L		UR	10 UG/L		UR									
1,3-DICHLOROBENZENE	10 UG/L		UR	10 UG/L		UR									
1,4-DICHLOROBENZENE	10 UG/L		UR	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		UR	10 UG/L		UR									
2,6-DINITROTOLUENE	10 UG/L		UR	10 UG/L		UR									
2-CHLORONAPHTHALENE	10 UG/L		UR	10 UG/L		UR									
2-CHLOROPHENOL	10 UG/L		UR	10 UG/L		UR									
2-METHYLNAPHTHALENE	10 UG/L		UR	10 UG/L		UR									
2-METHYLPHENOL	10 UG/L		UR	10 UG/L		UR									
2-NITROANILINE	50 UG/L		UR	50 UG/L		UR									
2-NITROPHENOL	10 UG/L		UR	10 UG/L		UR									
3,3'-DICHLOROBENZIDINE	20 UG/L		UR	20 UG/L		UR									
3-NITROANILINE	50 UG/L		UR	50 UG/L		UR									
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UR	50 UG/L		UR									
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UR	10 UG/L		UR									
4-CHLORO-3-METHYLPHENOL	10 UG/L		UR	10 UG/L		UR									
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UR	10 UG/L		UR									
4-METHYLPHENOL	10 UG/L		UR	10 UG/L		UR									
4-NITROANILINE	50 UG/L		UR	50 UG/L		UR									
4-NITROPHENOL	50 UG/L		UR	50 UG/L		UR									
ACENAPHTHENE	10 UG/L		UR	10 UG/L		UR									
ACENAPHTHYLENE	10 UG/L		UR	10 UG/L		UR									
ANTHRACENE	10 UG/L		UR	10 UG/L		UR									
BENZO(A)ANTHRACENE	10 UG/L		UR	10 UG/L		UR									
BENZO(A)PYRENE	10 UG/L		UR	10 UG/L		UR									
BENZO(B)FLUORANTHENE	10 UG/L		UR	10 UG/L		UR									
BENZO(G,H,I)PERYLENE	10 UG/L		UR	10 UG/L		UR									
BENZO(K)FLUORANTHENE	10 UG/L		UR	10 UG/L		UR									
BENZOIC ACID	50 UG/L		UR	50 UG/L		UR									

SAMPLE NUMBER:	066899			066899			120235			045652			045653		
LAB:	IT			IT			DATACHEM			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															
BENZYL ALCOHOL	10 UG/L		UR	10 UG/L		UR									
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UR	10 UG/L		UR									
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UR	10 UG/L		UR									
BIS(2-CHLOROISOPROPYL) ETHER	10 UG/L		UR	10 UG/L		UR									
BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		UR	10 UG/L		UR									
BUTYL BENZYL PHTHALATE	10 UG/L		UR	10 UG/L		UR									
CHRYSENE	10 UG/L		UR	10 UG/L		UR									
DI-N-BUTYL PHTHALATE	10 UG/L		UR	10 UG/L		UR									
DI-N-OCTYL PHTHALATE	10 UG/L		UR	10 UG/L		UR									
DIBENZO(A,H)ANTHRACENE	10 UG/L		UR	10 UG/L		UR									
DIBENZOFURAN	10 UG/L		UR	10 UG/L		UR									
DIETHYL PHTHALATE	10 UG/L		UR	10 UG/L		UR									
DIMETHYL PHTHALATE	10 UG/L		UR	10 UG/L		UR									
FLUORANTHENE	10 UG/L		UR	10 UG/L		UR									
FLUORENE	10 UG/L		UR	10 UG/L		UR									
HEXACHLOROBENZENE	10 UG/L		UR	10 UG/L		UR									
HEXACHLOROBUTADIENE	10 UG/L		UR	10 UG/L		UR									
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UR	10 UG/L		UR									
HEXACHLOROETHANE	10 UG/L		UR	10 UG/L		UR									
INDENO(1,2,3-CD)PYRENE	10 UG/L		UR	10 UG/L		UR									
ISOPHORONE	10 UG/L		UR	10 UG/L		UR									
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UR	10 UG/L		UR									
N-NITROSODIPHENYLAMINE	10 UG/L		UR	10 UG/L		UR									
NAPHTHALENE	10 UG/L		UR	10 UG/L		UR									
NITROBENZENE	10 UG/L		UR	10 UG/L		UR									
P-CHLOROANILINE	10 UG/L		UR	10 UG/L		UR									
PENTACHLOROPHENOL	50 UG/L		UR	50 UG/L		UR									
PHENANTHRENE	10 UG/L		UR	10 UG/L		UR									
PHENOL	10 UG/L		UR	10 UG/L		UR	.007 MG/L		-						
PYRENE	10 UG/L		UR	10 UG/L		UR									
VOLATILES															
1,1,1-TRICHLOROETHANE	320 UG/L		R												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	41 UG/L		-												
1,1-DICHLOROETHENE	160 UG/L		-												
1,2-DICHLOROETHANE	140 UG/L		-												
1,2-DICHLOROETHENE (TOTAL)	240 UG/L		R												
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												

041653

6416

SAMPLE NUMBER:	066899			066899			120235			045652			045653		
LAB:	IT			IT			DATACHEM			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															
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	4 UG/L		J												
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	210 UG/L		R												
TOLUENE	5 UG/L		UJ												
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	1400 UG/L		R												
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:	EMGW_SYSGEN_299	062408	062408	062412	062412
TASK:	GWMON	04.30	04.30	04.30	04.30
LAB:	NET	IT/MWL	IT/MWL	IT/MWL	IT/MWL
WELL OR BORING NUMBER:	1145	1148	1148	1148	1148
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-OCT-90	03-FEB-93	03-FEB-93	04-FEB-93	04-FEB-93
NORTH COORDINATE:	480450.66	480424.65	480424.65	480424.65	480424.65
EAST COORDINATE:	1381683.44	1381655.96	1381655.96	1381655.96	1381655.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	DL-UNF	NONE-UNF	NONE-FIL	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)
INORGANICS															
ALUMINUM										2.9 MG/L		-			
ANTIMONY										.005 MG/L		UJ			
ARSENIC										.002 MG/L		UJ			
BARIUM										.121 MG/L		-			
BERYLLIUM										.0046 MG/L		-			
CADMIUM										.005 MG/L		U			
CALCIUM										522 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	.042 MG/L		NV							.002 MG/L		U			
MAGNESIUM										177 MG/L		-			
MANGANESE										.428 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.058 MG/L		-			
POTASSIUM										6.6 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										7.87 MG/L		-			
SILVER										.0617 MG/L		-			
SODIUM										118 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.01 MG/L		U			
ZINC										.022 MG/L		-			
PESTICIDES															
ALPHA-BHC													.15 UG/L		

001655

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_299			062408			062408			062412			062412		
LAB:	NET			IT/MWL			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL			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															
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) 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						

SAMPLE NUMBER:	EMGW_SYSGEN_299			062408			062408			062412			062412		
LAB:	NET			IT/MWL			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL			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															
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							73 UG/L		-						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							36 UG/L		-						
1,1-DICHLOROETHENE							190 UG/L		-						
1,2-DICHLOROETHANE							68 UG/L		-						
1,2-DICHLOROETHENE (TOTAL)							110 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	.83 UG/L		NV				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							4 UG/L		J						

001957

SAMPLE NUMBER:	EMGW_SYSGEN_299			062408			062408			062412			062412		
LAB:	NET			IT/MWL			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL			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)
VOLATILES															
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				910 UG/L											
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		UJ						
XYLENES, TOTAL	1 UG/L		UNV				10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062412	062412	066896	066896	045311
TASK:	04.30	04.30	3.7	3.7	3.7
LAB:	IT/MWL	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	1148	1148	1148	1148	1148
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-FEB-93	04-FEB-93	06-NOV-90	06-NOV-90	08-OCT-89
NORTH COORDINATE:	480424.65	480424.65	480424.65	480424.65	480424.65
EAST COORDINATE:	1381655.96	1381655.96	1381655.96	1381655.96	1381655.96
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)
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-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				28800 PCI/L	4500	NV									
URANIUM, TOTAL				64800 UG/L	8990	NV							62300 UG/L	8200	
URANIUM-234				25100 PCI/L	3900	NV									

SAMPLE NUMBER:	062412			062412			066896			066896			045311		
LAB:	IT/MWL			IT/RSL			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-230				1.76 PCI/L	.84	NV									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				1000 PCI/L		NV									
THORIUM-232				10 PCI/L		NV									
THORIUM, TOTAL				6.4 UG/L		NV									
RADIUM-228				4.06 PCI/L	1.32	NV									
THORIUM-228				10 PCI/L		NV									
NEPTUNIUM-237				1 PCI/L		NV									
PLUTONIUM-239/240				1 PCI/L	0	NV									
PLUTONIUM-238				1 PCI/L	0	NV									
STRONTIUM-90				5 PCI/L		NV									
TECHNETIUM-99				773 PCI/L	84	NV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				20 PCI/L		NV									
GROSS ALPHA				36900 PCI/L	3700	NV									
GROSS BETA				21400 PCI/L	2200	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			
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		U	50 UG/L		UR			
2-NITROPHENOL							10 UG/L		UR	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		UR	50 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U	10 UG/L		UR			
4-CHLORO-3-METHYLPHENOL							10 UG/L		UR	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		U	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			

SAMPLE NUMBER:	062412			062412			066896			066896			045311		
LAB:	IT/MWL			IT/RSL			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															
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		UR	50 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		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		R			
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		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		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		UJ	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		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		U	10 UG/L		UR			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045367	045309	066896-1	066896-1	066896-1
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	WMCO	IT	IT/MWL	IT/MWL
WELL OR BORING NUMBER:	1148	1148	1148	1148	1148
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-OCT-89	10-AUG-89	24-JUL-90	24-JUL-90	24-JUL-90
NORTH COORDINATE:	480424.65	480424.65	480424.65	480424.65	480424.65
EAST COORDINATE:	1381655.96	1381655.96	1381655.96	1381655.96	1381655.96
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-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)
GENERAL CHEMISTRY															
NITRATE	677 MG/L		-												
RADIONUCLIDES															
URANIUM-238							11816 PCI/L	1491	-						
URANIUM, TOTAL				13900 UG/L		NV	35350 UG/L	4491	J						
URANIUM-234							11082 PCI/L	1404	-						
THORIUM-230							2.52 PCI/L	1.04	J						
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							506 PCI/L	127	-						
THORIUM-232							4.01 PCI/L	1.29	-						
THORIUM, TOTAL							36.2 UG/L	11.7	-						
RADIUM-228							219 PCI/L	31	J						
THORIUM-228							1.63 PCI/L	.87	-						
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							663 PCI/L	76	J						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
1,2-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
1,3-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
1,4-DICHLOROBENZENE										10 UG/L		UJ	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

SAMPLE NUMBER:	045367			045309			066896-1			066896-1			066896-1		
LAB:	IT			WMCO			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-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															
2,4-DINITROPHENOL										50 UG/L		UJ	50 UG/L		UR
2,4-DINITROTOLUENE										10 UG/L		UJ	10 UG/L		UR
2,6-DINITROTOLUENE										10 UG/L		UJ	10 UG/L		UR
2-CHLORONAPHTHALENE										10 UG/L		UJ	10 UG/L		UR
2-CHLOROPHENOL										10 UG/L		UJ	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		UJ	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		UJ	50 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UJ	50 UG/L		UR
4-BROMOPHENYL PHENYL ETHER										10 UG/L		UJ	10 UG/L		UR
4-CHLORO-3-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		UJ	10 UG/L		UR
4-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UR
4-NITROANILINE										50 UG/L		UJ	50 UG/L		UR
4-NITROPHENOL										50 UG/L		UJ	50 UG/L		UR
ACENAPHTHENE										10 UG/L		UJ	10 UG/L		UR
ACENAPHTHYLENE										10 UG/L		UJ	10 UG/L		UR
ANTHRACENE										10 UG/L		UJ	10 UG/L		UR
BENZO(A)ANTHRACENE										10 UG/L		UJ	10 UG/L		UR
BENZO(A)PYRENE										10 UG/L		UJ	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
BENZO(K)FLUORANTHENE										10 UG/L		UJ	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		UJ	10 UG/L		UR
CHRYSENE										10 UG/L		UJ	10 UG/L		UR
DI-N-BUTYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
DI-N-OCTYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
DIBENZO(A,H)ANTHRACENE										10 UG/L		UJ	10 UG/L		UR
DIBENZOFURAN										10 UG/L		UJ	10 UG/L		UR
DIETHYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
DIMETHYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
FLUORANTHENE										10 UG/L		UJ	10 UG/L		UR
FLUORENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROBUTADIENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROETHANE										10 UG/L		UJ	10 UG/L		UR

SAMPLE NUMBER:	045367			045309			066896-1			066896-1			066896-1		
LAB:	IT			WMCO			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-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															
INDENO(1,2,3-CD)PYRENE										10 UG/L		UJ	10 UG/L		UR
ISOPHORONE										10 UG/L		UJ	10 UG/L		UR
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		UJ	10 UG/L		UR
N-NITROSODIPHENYLAMINE										10 UG/L		UJ	10 UG/L		UR
NAPHTHALENE										10 UG/L		UJ	10 UG/L		UR
NITROBENZENE										10 UG/L		UJ	10 UG/L		UR
P-CHLOROANILINE										10 UG/L		UJ	10 UG/L		UR
PENTACHLOROPHENOL										50 UG/L		UJ	50 UG/L		UR
PHENANTHRENE										10 UG/L		UJ	10 UG/L		UR
PHENOL										10 UG/L		UJ	10 UG/L		UR
PYRENE										10 UG/L		UJ	10 UG/L		UR

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_300	045279	062409	062409	062409
TASK:	GWMON	3.7	04.30	04.30	04.30
LAB:	NET	WMCO	IT	IT/MWL	IT/MWL
WELL OR BORING NUMBER:	1148	1149	1149	1149	1149
DEPTH:	-	-	-	-	-
DATE COLLECTED:	31-OCT-90	02-AUG-89	03-FEB-93	03-FEB-93	03-FEB-93
NORTH COORDINATE:	480424.65	480374.92	480374.92	480374.92	480374.92
EAST COORDINATE:	1381655.96	1381683.22	1381683.22	1381683.22	1381683.22
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:			062407	062407	062407
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-UNF	NONE-UNF	NONE-FIL	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															
NITRATE, AS NITROGEN				3440 MG/L		NV									
PH				6.79 SU		NV									
INORGANICS															
ALUMINUM										4.6 MG/L		-			
ANTIMONY										.005 MG/L		UJ			
ARSENIC										.002 MG/L		UJ			
BARIUM										.537 MG/L		-			
BERYLLIUM										.01 MG/L		U			
CADMIUM										.025 MG/L		U			
CALCIUM										841 MG/L		-			
CHROMIUM										.05 MG/L		U			
COBALT										.05 MG/L		U			
COPPER										.05 MG/L		U			
IRON										.1 MG/L		U			
LEAD	.005 MG/L		UNV							.002 MG/L		U			
MAGNESIUM										217 MG/L		-			
MANGANESE										.541 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.1 MG/L		U			
NICKEL										.144 MG/L		-			
POTASSIUM										6.27 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										6.74 MG/L		-			
SILVER										.0839 MG/L		-			
SODIUM										178 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.05 MG/L		U			
ZINC										.025 MG/L		U			

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SAMPLE NUMBER:	EMGW_SYSGEN_300			045279			062409			062409			062409		
LAB:	NET			WMCO			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			NONE-UNF			NONE-FIL			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		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				156000 UG/L		NV									
THORIUM, TOTAL				400 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE													190 UG/L		J
1,1-DICHLOROETHENE													270 UG/L		-
1,2-DICHLOROETHENE (TOTAL)													280 UG/L		-
BENZENE	.5 UG/L		UNV												
ETHYLBENZENE	.5 UG/L		UNV												
TOLUENE	.5 UG/L		UNV												
TRICHLOROETHENE													3700 UG/L		-
XYLENES, TOTAL	1 UG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062409			062409			045369			045370			045278		
TASK:	04.30			04.30			3.7			3.7			3.7		
LAB:	IT/MWL			IT/RSL			IT			IT			WMCO		
WELL OR BORING NUMBER:	1149			1149			1149			1149			1149		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-FEB-93			03-FEB-93			08-OCT-89			08-OCT-89			19-JUL-89		
NORTH COORDINATE:	480374.92			480374.92			480374.92			480374.92			480374.92		
EAST COORDINATE:	1381683.22			1381683.22			1381683.22			1381683.22			1381683.22		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	062407			062407											
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										839 MG/L		-			
INORGANICS															
CYANIDE	.0605 MG/L		J												
RADIONUCLIDES															
URANIUM-238				35400 PCI/L	5300	J									
URANIUM, TOTAL				93500 UG/L	13200	J	1480 UG/L	160	-				138000 UG/L		NV
URANIUM-234				33400 PCI/L	5100	J									
THORIUM-230				1.9 PCI/L	.088	J									
RADIUM-226				1 PCI/L	.2	UJ									
URANIUM-235/236				1360 PCI/L	420	J									
THORIUM-232				.8 PCI/L		UJ									
THORIUM, TOTAL				7.5 UG/L		UJ							400 UG/L		NV
RADIUM-228				3 PCI/L		UJ									
THORIUM-228				1.2 PCI/L		UJ									
NEPTUNIUM-237				.5 PCI/L	.2	UJ									
PLUTONIUM-239/240				.5 PCI/L		UJ									
PLUTONIUM-238				.5 PCI/L		UJ									
STRONTIUM-90				1.5 PCI/L		UJ									
TECHNETIUM-99				2670 PCI/L	294	J									
RUTHENIUM-106				176 PCI/L		UJ									
CESIUM-137				15 PCI/L		UJ									
GROSS ALPHA				57100 PCI/L	5800	NV									
GROSS BETA				31900 PCI/L	3200	NV									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		U												
1,2-DICHLOROBENZENE	10 UG/L		U												

SAMPLE NUMBER:	062409			062409			045369			045370			045278		
LAB:	IT/MWL			IT/RSL			IT			IT			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)
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		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:	062409			062409			045369			045370			045278		
LAB:	IT/MWL			IT/RSL			IT			IT			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)
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												
TRIBUTYL PHOSPHATE	10 UG/L		U												
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	72 UG/L		-												
1,2-DICHLOROETHANE	72 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	21 UG/L		-												
CHLOROBENZENE	10 UG/L		U												
CHLOROETHANE	10 UG/L		UJ												
CHLOROFORM	33 UG/L		-												
CHLOROMETHANE	10 UG/L		UJ												
CIS-1,3-DICHLOROPROPENE	10 UG/L		U												
DIBROMOCHLOROMETHANE	100 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:	062409			062409			045369			045370			045278		
LAB:	IT/MWL			IT/RSL			IT			IT			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)
VOLATILES															
TRANS-1,3-DICHLOROPROPENE	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:	045658			066900			066900			066900			066917		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1149			1149			1149			1149			1149		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-FEB-90			23-JUL-90			23-JUL-90			23-JUL-90			24-JUL-90		
NORTH COORDINATE:	480374.92			480374.92			480374.92			480374.92			480374.92		
EAST COORDINATE:	1381683.22			1381683.22			1381683.22			1381683.22			1381683.22		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													066900		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-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	77.4 MG/L		J												
PESTICIDES															
ALPHA-BHC													.05 UG/L		U
RADIONUCLIDES															
URANIUM-238	80968 PCI/L	60329	R				40811 PCI/L	9163	R				39014 PCI/L	9698	J
URANIUM, TOTAL	201000 UG/L	28000	-				157000 UG/L	20400	J				142000 UG/L	18300	-
URANIUM-234	37617 PCI/L	28051	R				35915 PCI/L	8072	R				36035 PCI/L	8968	J
THORIUM-230	2 PCI/L		U				4.2 PCI/L	1.21	J				2.76 PCI/L	1.27	-
RADIUM-226	2.31 PCI/L	.5	NV				1 PCI/L		U				1 PCI/L		U
URANIUM-235/236	2219 PCI/L	1686	R				2956 PCI/L	725	R				1602 PCI/L	527	J
THORIUM-232	2 PCI/L		U				6.86 PCI/L	1.61	-				11.3 PCI/L	2.7	-
THORIUM, TOTAL	18 UG/L		U				61.9 UG/L	14.5	-				102 UG/L	24	-
RADIUM-228	3 PCI/L		R				53.9 PCI/L	7.9	J				15 PCI/L	2.4	J
THORIUM-228	2 PCI/L		U				2.84 PCI/L	.99	-				2.46 PCI/L	1.21	-
NEPTUNIUM-237	1 PCI/L		U				1 PCI/L		U				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		U
STRONTIUM-90	5 PCI/L		R				5 PCI/L		UJ				7.68 PCI/L	1.62	-
TECHNETIUM-99	2140 PCI/L	230	J				1672 PCI/L	176	-				1802 PCI/L	190	J
RUTHENIUM-106	150 PCI/L		U				150 PCI/L		R				150 PCI/L		R
CESIUM-137	20 PCI/L		U				20 PCI/L		R				20 PCI/L		R
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
1,2-DICHLOROBENZENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
1,3-DICHLOROBENZENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
1,4-DICHLOROBENZENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ

SAMPLE NUMBER:	045658			066900			066900			066900			066917		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-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															
2,4,5-TRICHLOROPHENOL							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
2,4,6-TRICHLOROPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2,4-DICHLOROPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2,4-DIMETHYLPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2,4-DINITROPHENOL							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
2,4-DINITROTOLUENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2,6-DINITROTOLUENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2-CHLORONAPHTHALENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2-CHLOROPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2-METHYLNAPHTHALENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
2-NITROANILINE							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
2-NITROPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ	20 UG/L		UR	20 UG/L		UJ
3-NITROANILINE							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
4-CHLORO-3-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
4-METHYLPHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
4-NITROANILINE							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
4-NITROPHENOL							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
ACENAPHTHENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
ACENAPHTHYLENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
ANTHRACENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BENZO(A)ANTHRACENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BENZO(A)PYRENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BENZO(B)FLUORANTHENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BENZO(G,H,I)PERYLENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BENZO(K)FLUORANTHENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BENZOIC ACID							2 UG/L		J	50 UG/L		UR	50 UG/L		UJ
BENZYL ALCOHOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
BIS(2-ETHYLHEXYL)PHTHALATE							4 UG/L		UJ	10 UG/L		UR	3 UG/L		J
BUTYL BENZYL PHTHALATE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
CHRYSENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
DI-N-BUTYL PHTHALATE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
DI-N-OCTYL PHTHALATE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
DIBENZOFURAN							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
DIETHYL PHTHALATE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
DIMETHYL PHTHALATE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
FLUORANTHENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
FLUORENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ

SAMPLE NUMBER:	045658			066900			066900			066900			066917		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-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															
HEXACHLOROBENZENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
HEXACHLOROBUTADIENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
HEXACHLOROETHANE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
INDENO(1,2,3-CD)PYRENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
ISOPHORONE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
N-NITROSODIPHENYLAMINE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
NAPHTHALENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
NITROBENZENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
P-CHLOROANILINE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
PENTACHLOROPHENOL							50 UG/L		UJ	50 UG/L		UR	50 UG/L		UJ
PHENANTHRENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
PHENOL							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
PYRENE							10 UG/L		UJ	10 UG/L		UR	10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE				330 UG/L		-	290 UG/L		R						
1,1,2,2-TETRACHLOROETHANE				250 UG/L		UR	5 UG/L		U						
1,1,2-TRICHLOROETHANE				250 UG/L		UR	5 UG/L		U						
1,1-DICHLOROETHANE				94 UG/L		R	78 UG/L		-						
1,1-DICHLOROETHENE				490 UG/L		-	390 UG/L		R						
1,2-DICHLOROETHANE				99 UG/L		R	91 UG/L		-						
1,2-DICHLOROETHENE (TOTAL)				460 UG/L		-	440 UG/L		R						
1,2-DICHLOROPROPANE				250 UG/L		UR	5 UG/L		U						
2-BUTANONE				490 UG/L		R	10 UG/L		U						
2-HEXANONE				500 UG/L		UR	10 UG/L		U						
4-METHYL-2-PENTANONE				500 UG/L		UR	10 UG/L		U						
ACETONE				79 UG/L		R	10 UG/L		U						
BENZENE				250 UG/L		UR	5 UG/L		UJ						
BROMODICHLOROMETHANE				250 UG/L		UR	5 UG/L		U						
BROMOFORM				250 UG/L		UR	5 UG/L		U						
BROMOMETHANE				500 UG/L		UR	10 UG/L		U						
CARBON DISULFIDE				250 UG/L		UR	5 UG/L		U						
CARBON TETRACHLORIDE				250 UG/L		UR	7 UG/L		-						
CHLOROBENZENE				250 UG/L		UR	5 UG/L		UJ						
CHLOROETHANE				500 UG/L		UR	10 UG/L		U						
CHLOROFORM				250 UG/L		UR	29 UG/L		-						
CHLOROMETHANE				500 UG/L		UR	10 UG/L		U						
CIS-1,3-DICHLOROPROPENE				250 UG/L		UR	5 UG/L		U						
DIBROMOCHLOROMETHANE				250 UG/L		UR	5 UG/L		U						
ETHYLBENZENE				250 UG/L		UR	5 UG/L		UJ						
METHYLENE CHLORIDE				380 UG/L		R	5 UG/L		U						
STYRENE				250 UG/L		UR	5 UG/L		UJ						
TETRACHLOROETHENE				250 UG/L		UR	17 UG/L		-						
TOLUENE				250 UG/L		UR	5 UG/L		UJ						

001973

SAMPLE NUMBER:	045658			066900			066900			066900			066917		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			DL-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															
TRANS-1,3-DICHLOROPROPENE				250 UG/L		UR	5 UG/L		U						
TRICHLOROETHENE				5000 UG/L		-	2300 UG/L		R						
VINYL ACETATE				500 UG/L		UR	10 UG/L		U						
VINYL CHLORIDE				500 UG/L		UR	10 UG/L		U						
XYLENES, TOTAL				250 UG/L		UR	5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066917	066917	066917	066917	045659
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT/MWL	IT/MWL	IT/MWL	IT/RSL	IT
WELL OR BORING NUMBER:	1149	1149	1149	1149	1149
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-JUL-90	24-JUL-90	24-JUL-90	24-JUL-90	28-FEB-90
NORTH COORDINATE:	480374.92	480374.92	480374.92	480374.92	480374.92
EAST COORDINATE:	1381683.22	1381683.22	1381683.22	1381683.22	1381683.22
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:	066900	066900	066900	066900	
SUFFIX/FILTERFLAG:	NONE-FIL	DL-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															
ALUMINUM	2.6 MG/L		-										3.41 MG/L		J
ANTIMONY	.174 MG/L		-										.068 MG/L		-
ARSENIC	.002 MG/L		UJ										.002 MG/L		U
BARIUM	.649 MG/L		-										.589 MG/L		-
BERYLLIUM	.0247 MG/L		-										.0343 MG/L		-
CADMIUM	.0368 MG/L		-										.04 MG/L		-
CALCIUM	884 MG/L		-										976 MG/L		-
CHROMIUM	.699 MG/L		J										.818 MG/L		J
COBALT	.0788 MG/L		-										.0886 MG/L		-
COPPER	.152 MG/L		-										.0916 MG/L		-
CYANIDE	.0464 MG/L		J												
IRON	.191 MG/L		-										.358 MG/L		-
LEAD	.002 MG/L		UJ										.0042 MG/L		-
MAGNESIUM	228 MG/L		-										251 MG/L		-
MANGANESE	1.63 MG/L		-										1.58 MG/L		J
MERCURY	.0002 MG/L		U										.0002 MG/L		UJ
MOLYBDENUM													.0448 MG/L		U
NICKEL	.232 MG/L		-										.227 MG/L		-
POTASSIUM	8.07 MG/L		-										4.5 MG/L		-
SELENIUM	.002 MG/L		UJ										.002 MG/L		UJ
SILVER	.261 MG/L		-										.264 MG/L		-
SODIUM	192 MG/L		-										207 MG/L		-
THALLIUM	.002 MG/L		UJ										.002 MG/L		U
VANADIUM	.232 MG/L		-										.299 MG/L		-
ZINC	.0476 MG/L		-										.268 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						

SAMPLE NUMBER:	066917			066917			066917			066917			045659		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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)
PESTICIDES															
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						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		UR			
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		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		UR			
2,6-DINITROTOLUENE										10 UG/L		UR			
2-CHLORONAPHTHALENE										10 UG/L		UR			
2-CHLOROPHENOL										10 UG/L		UR			
2-METHYLNAPHTHALENE										10 UG/L		UR			
2-METHYLPHENOL										10 UG/L		UR			
2-NITROANILINE										50 UG/L		UR			
2-NITROPHENOL										10 UG/L		UR			
3,3'-DICHLOROBENZIDINE										20 UG/L		UR			
3-NITROANILINE										50 UG/L		UR			
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER										10 UG/L		UR			
4-CHLORO-3-METHYLPHENOL										10 UG/L		UR			

SAMPLE NUMBER:	066917			066917			066917			066917			045659		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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										10 UG/L		UR			
4-METHYLPHENOL										10 UG/L		UR			
4-NITROANILINE										50 UG/L		UR			
4-NITROPHENOL										50 UG/L		UR			
ACENAPHTHENE										10 UG/L		UR			
ACENAPHTHYLENE										10 UG/L		UR			
ANTHRACENE										10 UG/L		UR			
BENZO(A)ANTHRACENE										10 UG/L		UR			
BENZO(A)PYRENE										10 UG/L		UR			
BENZO(B)FLUORANTHENE										10 UG/L		UR			
BENZO(G,H,I)PERYLENE										10 UG/L		UR			
BENZO(K)FLUORANTHENE										10 UG/L		UR			
BENZOIC ACID										50 UG/L		UR			
BENZYL ALCOHOL										10 UG/L		UR			
BIS(2-CHLOROETHOXY)METHANE										10 UG/L		UR			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		UR			
BIS(2-CHLOROISOPROPYL) ETHER										10 UG/L		UR			
BIS(2-ETHYLHEXYL)PHTHALATE										10 UG/L		UR			
BUTYL BENZYL PHTHALATE										10 UG/L		UR			
CHRYSENE										10 UG/L		UR			
DI-N-BUTYL PHTHALATE										10 UG/L		UR			
DI-N-OCTYL PHTHALATE										10 UG/L		UR			
DIBENZO(A,H)ANTHRACENE										10 UG/L		UR			
DIBENZOFURAN										10 UG/L		UR			
DIETHYL PHTHALATE										10 UG/L		UR			
DIMETHYL PHTHALATE										10 UG/L		UR			
FLUORANTHENE										10 UG/L		UR			
FLUORENE										10 UG/L		UR			
HEXACHLOROBENZENE										10 UG/L		UR			
HEXACHLOROBUTADIENE										10 UG/L		UR			
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UR			
HEXACHLOROETHANE										10 UG/L		UR			
INDENO(1,2,3-CD)PYRENE										10 UG/L		UR			
ISOPHORONE										10 UG/L		UR			
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		UR			
N-NITROSODIPHENYLAMINE										10 UG/L		UR			
NAPHTHALENE										10 UG/L		UR			
NITROBENZENE										10 UG/L		UR			
P-CHLOROANILINE										50 UG/L		UR			
PENTACHLOROPHENOL										10 UG/L		UR			
PHENANTHRENE										10 UG/L		UR			
PHENOL										10 UG/L		UR			
PYRENE															
VOLATILES															

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				360 UG/L		J	420 UG/L		R						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066917			066917			066917			066917			045659		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT/RSL			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				500 UG/L		UR	5 UG/L		UJ						
1,1,2-TRICHLOROETHANE				500 UG/L		UR	5 UG/L		U						
1,1-DICHLOROETHANE				500 UG/L		UR	88 UG/L		J						
1,1-DICHLOROETHENE				490 UG/L		J	490 UG/L		R						
1,2-DICHLOROETHANE				500 UG/L		UR	110 UG/L		J						
1,2-DICHLOROETHENE (TOTAL)				430 UG/L		J	500 UG/L		R						
1,2-DICHLOROPROPANE				500 UG/L		UR	5 UG/L		U						
2-BUTANONE				570 UG/L		R	10 UG/L		UJ						
2-HEXANONE				1000 UG/L		UR	10 UG/L		UJ						
4-METHYL-2-PENTANONE				1000 UG/L		UR	10 UG/L		U						
ACETONE				140 UG/L		R	10 UG/L		UJ						
BENZENE				500 UG/L		UR	5 UG/L		UJ						
BROMODICHLOROMETHANE				500 UG/L		UR	5 UG/L		U						
BROMOFORM				500 UG/L		UR	5 UG/L		U						
BROMOMETHANE				1000 UG/L		UR	10 UG/L		U						
CARBON DISULFIDE				500 UG/L		UR	5 UG/L		U						
CARBON TETRACHLORIDE				500 UG/L		UR	10 UG/L		J						
CHLOROBENZENE				500 UG/L		UR	5 UG/L		UJ						
CHLOROETHANE				1000 UG/L		UR	10 UG/L		U						
CHLOROFORM				500 UG/L		UR	37 UG/L		J						
CHLOROMETHANE				1000 UG/L		UR	10 UG/L		UJ						
CIS-1,3-DICHLOROPROPENE				500 UG/L		UR	5 UG/L		U						
DIBROMOCHLOROMETHANE				500 UG/L		UR	5 UG/L		U						
ETHYLBENZENE				500 UG/L		UR	5 UG/L		UJ						
METHYLENE CHLORIDE				490 UG/L		R	9 UG/L		U						
STYRENE				500 UG/L		UR	5 UG/L		UJ						
TETRACHLOROETHENE				500 UG/L		UR	21 UG/L		J						
TOLUENE				500 UG/L		UR	5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE				500 UG/L		UR	5 UG/L		U						
TRICHLOROETHENE				6000 UG/L		-	2400 UG/L		R						
VINYL ACETATE				1000 UG/L		UR	10 UG/L		U						
VINYL CHLORIDE				1000 UG/L		UR	10 UG/L		U						
XYLENES, TOTAL				500 UG/L		UR	5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045659			045659			045659			045662			045152		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			WMCO		
WELL OR BORING NUMBER:	1149			1149			1149			1150			1150		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-FEB-90			28-FEB-90			28-FEB-90			01-FEB-90			01-JUN-89		
NORTH COORDINATE:	480374.92			480374.92			480374.92			480419.86			480419.86		
EAST COORDINATE:	1381683.22			1381683.22			1381683.22			1380749.86			1380749.86		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	VAL 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				2.5 MG/L		NV									
CHLORIDE				50.8 MG/L		NV									
FLUORIDE				.125 MG/L		NV									
NITRATE				843 MG/L		NV				.46 MG/L					
PHENOLS				.07 MG/L		NV									
PHOSPHORUS				39.8 MG/L		NV									
SULFATE				98.2 MG/L		NV									
TOTAL KJELDAHL NITROGEN				7.27 MG/L		NV									
TOTAL ORGANIC CARBON				39.9 MG/L		NV									
TOTAL ORGANIC HALIDES				.652 MG/L		NV									
TOTAL ORGANIC NITROGEN				4.77 MG/L		NV									
INORGANICS															
CYANIDE				.248 MG/L		R									
PESTICIDES															
4,4'-DDD	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
4,4'-DDE	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
4,4'-DDT	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
ALDRIN	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
ALPHA-BHC	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
ALPHA-CHLORDANE	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
AROCLOR-1016	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
AROCLOR-1221	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
AROCLOR-1232	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
AROCLOR-1242	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
AROCLOR-1248	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
AROCLOR-1254	2 UG/L		U	1 UG/L		UR	2 UG/L		UNV						
AROCLOR-1260	2 UG/L		U	1 UG/L		UR	2 UG/L		UNV						
BETA-BHC	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						

SAMPLE NUMBER:	045659			045659			045659			045662			045152		
LAB:	IT			IT			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	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	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
DIELDRIN	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
ENDOSULFAN II	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
ENDOSULFAN SULFATE	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
ENDOSULFAN-I	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
ENDRIN	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
ENDRIN KETONE	.2 UG/L		U	.1 UG/L		UR	.2 UG/L		UNV						
GAMMA-BHC (LINDANE)	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
GAMMA-CHLORDANE	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
HEPTACHLOR	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
HEPTACHLOR EPOXIDE	.1 UG/L		U	.05 UG/L		UR	.1 UG/L		UNV						
METHOXYCHLOR	1 UG/L		U	.5 UG/L		UR	1 UG/L		UNV						
TOXAPHENE	2 UG/L		U	1 UG/L		UR	2 UG/L		UNV						
RADIONUCLIDES															
URANIUM-238													130 PCI/L		NV
URANIUM, TOTAL													390 UG/L		NV
URANIUM-234													120 PCI/L		NV
URANIUM-235													6 PCI/L		NV
URANIUM-236													2.5 PCI/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		UR	11 UG/L		UJ						
1,2-DICHLOROBENZENE				10 UG/L		UR	11 UG/L		UJ						
1,3-DICHLOROBENZENE				10 UG/L		UR	11 UG/L		UJ						
1,4-DICHLOROBENZENE				10 UG/L		UR	11 UG/L		UJ						
2,4,5-TRICHLOROPHENOL				50 UG/L		UR	53 UG/L		UJ						
2,4,6-TRICHLOROPHENOL				10 UG/L		UR	11 UG/L		UJ						
2,4-DICHLOROPHENOL				10 UG/L		UR	11 UG/L		UJ						
2,4-DIMETHYLPHENOL				10 UG/L		UR	11 UG/L		UJ						
2,4-DINITROPHENOL				50 UG/L		R	53 UG/L		UJ						
2,4-DINITROTOLUENE				10 UG/L		UR	11 UG/L		UJ						
2,6-DINITROTOLUENE				10 UG/L		UR	11 UG/L		UJ						
2-CHLORONAPHTHALENE				10 UG/L		UR	11 UG/L		UJ						
2-CHLOROPHENOL				10 UG/L		UR	11 UG/L		UJ						
2-METHYLNAPHTHALENE				10 UG/L		UR	11 UG/L		UJ						
2-METHYLPHENOL				10 UG/L		UR	11 UG/L		UJ						
2-NITROANILINE				50 UG/L		UR	53 UG/L		UJ						
2-NITROPHENOL				10 UG/L		UR	11 UG/L		UJ						
3,3'-DICHLOROBENZIDINE				20 UG/L		UR	21 UG/L		UJ						
3-NITROANILINE				50 UG/L		UR	53 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		UR	53 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER				10 UG/L		UR	11 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL				10 UG/L		UR	11 UG/L		UJ						
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		UR	11 UG/L		UJ						

SAMPLE NUMBER:	045659			045659			045659			045662			045152		
LAB:	IT			IT			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	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		UR	11 UG/L		UJ						
4-NITROANILINE				50 UG/L		UR	53 UG/L		UJ						
4-NITROPHENOL				50 UG/L		UR	53 UG/L		UJ						
ACENAPHTHENE				10 UG/L		UR	11 UG/L		UJ						
ACENAPHTHYLENE				10 UG/L		UR	11 UG/L		UJ						
ANTHRACENE				10 UG/L		UR	11 UG/L		UJ						
BENZO(A)ANTHRACENE				10 UG/L		UR	11 UG/L		UJ						
BENZO(A)PYRENE				10 UG/L		UR	11 UG/L		UJ						
BENZO(B)FLUORANTHENE				10 UG/L		UR	11 UG/L		UJ						
BENZO(G,H,I)PERYLENE				10 UG/L		UR	11 UG/L		UJ						
BENZO(K)FLUORANTHENE				10 UG/L		UR	11 UG/L		UJ						
BENZOIC ACID				50 UG/L		UR	53 UG/L		UJ						
BENZYL ALCOHOL				10 UG/L		UR	11 UG/L		UJ						
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		UR	11 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UR	11 UG/L		UJ						
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UR	11 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		UR	11 UG/L		UJ						
BUTYL BENZYL PHTHALATE				10 UG/L		UR	11 UG/L		UJ						
CHRYSENE				10 UG/L		UR	11 UG/L		UJ						
DI-N-BUTYL PHTHALATE				10 UG/L		UR	11 UG/L		UJ						
DI-N-OCTYL PHTHALATE				10 UG/L		UR	11 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE				10 UG/L		UR	11 UG/L		UJ						
DIBENZOFURAN				10 UG/L		UR	11 UG/L		UJ						
DIETHYL PHTHALATE				10 UG/L		UR	11 UG/L		UJ						
DIMETHYL PHTHALATE				10 UG/L		UR	11 UG/L		UJ						
FLUORANTHENE				10 UG/L		UR	11 UG/L		UJ						
FLUORENE				10 UG/L		UR	11 UG/L		UJ						
HEXACHLOROBENZENE				10 UG/L		UR	11 UG/L		UJ						
HEXACHLOROBUTADIENE				10 UG/L		UR	11 UG/L		UJ						
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UR	11 UG/L		UJ						
HEXACHLOROETHANE				10 UG/L		UR	11 UG/L		UJ						
INDENO(1,2,3-CD)PYRENE				10 UG/L		UR	11 UG/L		UJ						
ISOPHORONE				10 UG/L		UR	11 UG/L		UJ						
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		UR	11 UG/L		UJ						
N-NITROSODIPHENYLAMINE				10 UG/L		UR	11 UG/L		UJ						
NAPHTHALENE				10 UG/L		UR	11 UG/L		UJ						
NITROBENZENE				10 UG/L		UR	11 UG/L		UJ						
P-CHLOROANILINE				10 UG/L		UR	11 UG/L		UJ						
PENTACHLOROPHENOL				50 UG/L		UR	53 UG/L		UJ						
PHENANTHRENE				10 UG/L		UR	11 UG/L		UJ						
PHENOL				10 UG/L		UR	11 UG/L		UJ						
PYRENE				10 UG/L		UR	11 UG/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE				310 UG/L		R									

SAMPLE NUMBER:	045659			045659			045659			045662			045152		
LAB:	IT			IT			IT			IT			WMCO		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			RE-UNF			NONE-UNF			NONE-UNF		
	RESULT	SIGMA	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				74 UG/L		-									
1,1-DICHLOROETHENE				460 UG/L		R									
1,2-DICHLOROETHANE				86 UG/L		-									
1,2-DICHLOROETHENE (TOTAL)				430 UG/L		R									
1,2-DICHLOROPROPANE				5 UG/L		U									
2-BUTANONE				67 UG/L		-									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				1 UG/L		J									
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		-									
CHLOROBENZENE				5 UG/L		UJ									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				26 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									
METHYLENE CHLORIDE				28 UG/L		U									
STYRENE				5 UG/L		UJ									
TETRACHLOROETHENE				14 UG/L		-									
TOLUENE				5 UG/L		UJ									
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U									
TRICHLOROETHENE				1400 UG/L		R									
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:	099024			099033			045139			099047			099047		
TASK:	50.03.07			50.03.07			3.7			50.03.07			50.03.07		
LAB:	IT			IT-KNOX			WMCO			IT			IT		
WELL OR BORING NUMBER:	1150			1150			1150			1150			1150		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-NOV-92			04-NOV-92			05-MAY-89			05-NOV-92			05-NOV-92		
NORTH COORDINATE:	480419.86			480419.86			480419.86			480419.86			480419.86		
EAST COORDINATE:	1380749.86			1380749.86			1380749.86			1380749.86			1380749.86		
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															
NITRATE				.1 MG/L		UJ									
PHENOLS													.01 MG/L		U
SULFIDE				.5 MG/L		U									
INORGANICS															
CYANIDE	.002 MG/L		U												
RADIONUCLIDES															
URANIUM-238							200 PCI/L		NV						
URANIUM, TOTAL							410 PCI/L		NV						
URANIUM-234							110 PCI/L		NV						
GROSS ALPHA										484 PCI/L	61	NV			
GROSS BETA										175 PCI/L	19	NV			
URANIUM-235							9.3 PCI/L		NV						
URANIUM-236							3.1 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099051	099059	098911	098922	098923
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT/MWL	IT-KNOX	IT	IT	WMCO
WELL OR BORING NUMBER:	1150	1150	1150	1150	1150
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-92	11-NOV-92	17-JUN-92	18-JUN-92	18-JUN-92
NORTH COORDINATE:	480419.86	480419.86	480419.86	480419.86	480419.86
EAST COORDINATE:	1380749.86	1380749.86	1380749.86	1380749.86	1380749.86
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															
SULFIDE							.5 MG/L		UNV						
TOTAL ORGANIC CARBON							1 MG/L		UNV						
TOTAL ORGANIC HALIDES							.01 MG/L		UNV						
INORGANICS															
ALUMINUM	.055 MG/L		U							.03 MG/L		U			
ANTIMONY	.005 MG/L		U							.03 MG/L		U			
ARSENIC	.0025 MG/L		U							.002 MG/L		U			
BARIUM	.0481 MG/L		-							.0396 MG/L		-			
BERYLLIUM	.002 MG/L		U							.002 MG/L		U			
CADMIUM	.005 MG/L		U							.005 MG/L		U			
CALCIUM	121 MG/L		-							93.4 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	.0025 MG/L		U							.002 MG/L		U			
MAGNESIUM	28.2 MG/L		-							21.2 MG/L		-			
MANGANESE	.0139 MG/L		-							.01 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	1.88 MG/L		-							1.18 MG/L		-			
SELENIUM	.002 MG/L		U							.002 MG/L		U			
SILICON	5.01 MG/L		-							3.43 MG/L		-			
SILVER	.01 MG/L		U							.01 MG/L		U			
SODIUM	10.3 MG/L		-							8.22 MG/L		-			
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U							.01 MG/L		U			
ZINC	.005 MG/L		U							.0092 MG/L		-			

RADIONUCLIDES

URANIUM, TOTAL
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

800 UG/L NV

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SAMPLE NUMBER:	099051			099059			098911			098922			098923		
LAB:	IT/MWL			IT-KNOX			IT			IT			WMCO		
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															
GROSS ALPHA										723 PCI/L	82	NV			
GROSS BETA										169 PCI/L	18	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		UJ									
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		UJ									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UJ									

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SAMPLE NUMBER:	099051			099059			098911			098922			098923		
LAB:	IT/MWL			IT-KNOX			IT			IT			WMCO		
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															
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		UJ									
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		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						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099051			099059			098911			098922			098923		
LAB:	IT/MWL			IT-KNOX			IT			IT			WMCO		
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		UJ						
CARBON DISULFIDE							5 UG/L		U						
CARBON TETRACHLORIDE							5 UG/L		UJ						
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:	099070			098924			098924			099084			098994		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT/MWL			IT			IT/RSL			IT/RSL			IT-KNOX		
WELL OR BORING NUMBER:	1150			1150			1150			1150			1150		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-NOV-92			19-JUN-92			19-JUN-92			20-NOV-92			28-OCT-92		
NORTH COORDINATE:	480419.86			480419.86			480419.86			480419.86			480419.86		
EAST COORDINATE:	1380749.86			1380749.86			1380749.86			1380749.86			1380749.86		
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				.23 MG/L		-									
CHLORIDE				10.47 MG/L		-									
FLUORIDE				.78 MG/L		-									
NITRATE/NITRITE				1.88 MG/L		-									
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.12 MG/L		-									
SULFATE				36.1 MG/L		-									
TOTAL ORGANIC CARBON													1.55 MG/L		-
TOTAL ORGANIC HALIDES													28.8 MG/L		-
TOTAL ORGANIC NITROGEN				.1 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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099070			098924			098924			099084			098994		
LAB:	IT/MWL			IT			IT/RSL			IT/RSL			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															
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							348 PCI/L	47	J	188 PCI/L	35	R			
URANIUM, TOTAL							1050 UG/L	140	-	555 UG/L	82	-			
URANIUM-234							314 PCI/L	42	J	185 PCI/L	34	R			
THORIUM-230							.3 PCI/L	.2	J						
RADIUM-226							1 PCI/L	.13	UJ	1 PCI/L		UJ			
URANIUM-235/236							28.9 PCI/L	5.4	J	8.12 PCI/L	2.12	R			
THORIUM-232							.2 PCI/L		UJ						
THORIUM, TOTAL							1.6 UG/L		U						
RADIUM-228							3 PCI/L		UJ	3 PCI/L		UJ			
THORIUM-228							.4 PCI/L	.2	J						
NEPTUNIUM-237							1 PCI/L		R	.5 PCI/L		UJ			
PLUTONIUM-239/240							.5 PCI/L	.2	UJ	.5 PCI/L		UJ			
PLUTONIUM-238							.5 PCI/L		UJ	.5 PCI/L		UJ			
STRONTIUM-90							3.6 PCI/L	.7	J	1.6 PCI/L		UJ			
TECHNETIUM-99							30.4 PCI/L	16.7	-	15 PCI/L		UJ			
RUTHENIUM-106							150 PCI/L		UJ	150 PCI/L		UJ			
CESIUM-137							12 PCI/L		UJ	17 PCI/L		UJ			
GROSS ALPHA										319 PCI/L	44	NV			
GROSS BETA										125 PCI/L	15	NV			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098994	099013	099018	099018	045661
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	3.7
LAB:	IT	WMCO	IT-KNOX	IT	IT
WELL OR BORING NUMBER:	1150	1150	1150	1150	1150
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-OCT-92	28-OCT-92	29-OCT-92	29-OCT-92	30-JAN-90
NORTH COORDINATE:	480419.86	480419.86	480419.86	480419.86	480419.86
EAST COORDINATE:	1380749.86	1380749.86	1380749.86	1380749.86	1380749.86
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										285 MG/L		-			
AMMONIA										.1 MG/L		U			
CHLORIDE							16.7 MG/L		-						
FLUORIDE										.49 MG/L		-			
NITRATE													.45 MG/L		-
PHOSPHORUS							.58 MG/L		-						
SULFATE										131.9 MG/L		-			
TOTAL ORGANIC NITROGEN										.39 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL				690 UG/L		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		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:	098994			099013			099018			099018			045661		
LAB:	IT			WMCO			IT-KNOX			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															
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		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												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120111	120112	120113	120221	120222
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	FERMCO	FERMCO	DATACHEM	CORE	FERMCO
WELL OR BORING NUMBER:	1151	1151	1151	1151	1151
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-JUN-93	11-JUN-93	11-JUN-93	15-JUN-93	15-JUN-93
NORTH COORDINATE:	480443.07	480443.07	480443.07	480443.07	480443.07
EAST COORDINATE:	1381171.66	1381171.66	1381171.66	1381171.66	1381171.66
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							290 MG/L		-						
AMMONIA							.05 MG/L		U						
CHLORIDE							43 MG/L		-						
FLUORIDE							.6 MG/L		-						
NITRATE/NITRITE							.05 MG/L		U						
PHENOLS							.002 MG/L		U						
PHOSPHORUS							.18 MG/L		-						
SULFATE							400 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							1 MG/L		U						
TOTAL ORGANIC HALIDES							.01 MG/L		U						
INORGANICS															
ALUMINUM							17.8 MG/L		-						
ANTIMONY							.0157 MG/L		U						
ARSENIC							.0044 MG/L		-						
BARIUM							.099 MG/L		-						
BERYLLIUM							.0026 MG/L		U						
CADMIUM							.0014 MG/L		-						
CALCIUM							172 MG/L		-						
CHROMIUM							.0295 MG/L		-						
COBALT							.0156 MG/L		U						
COPPER							.0303 MG/L		-						
CYANIDE							.01 MG/L		U						
IRON							28.1 MG/L		-						
LEAD							.0147 MG/L		-						
MAGNESIUM							110 MG/L		-						
MANGANESE							.673 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.0344 MG/L		-						
POTASSIUM							7.97 MG/L		-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120111			120112			120113			120221			120222		
LAB:	FERMCO			FERMCO			DATACHEM			CORE			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)
INORGANICS															
SELENIUM							.001 MG/L		UJ						
SILVER							.0029 MG/L		UJ						
SODIUM							28.2 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.0297 MG/L		-						
ZINC							.241 MG/L		J						
RADIONUCLIDES															
URANIUM-238										3.8 PCI/L	.6	J			
URANIUM, TOTAL				22 UG/L		NV				14.8 UG/L	1	-	14 UG/L		NV
URANIUM-234										4.8 PCI/L	.7	J			
THORIUM-230										.4 PCI/L	.3	J			
RADIUM-226										1.5 PCI/L	.4	-			
URANIUM-235/236										.2 PCI/L	.2	UJ			
THORIUM-232										.2 PCI/L	.3	UJ			
RADIUM-228										3 PCI/L	1.4	UJ			
THORIUM-228										.2 PCI/L	.8	UJ			
TECHNETIUM-99										15 PCI/L	7.2	U			
GROSS ALPHA	76 PCI/L		UNV							3.7 PCI/L	2.2	UNV			
GROSS BETA	320 PCI/L		UNV							5.8 PCI/L	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						
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						

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SAMPLE NUMBER:	120111			120112			120113			120221			120222		
LAB:	FERMCO			FERMCO			DATACHEM			CORE			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)
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		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120223			046664			120229			046662			046663		
TASK:	50.03.23			3.7			50.03.23			3.7			3.7		
LAB:	DATACHEM			IT			CORE			IT			IT		
WELL OR BORING NUMBER:	1151			1151			1151			1151			1151		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-JUN-93			16-FEB-90			16-JUN-93			26-OCT-89			26-OCT-89		
NORTH COORDINATE:	480443.07			480443.07			480443.07			480443.07			480443.07		
EAST COORDINATE:	1381171.66			1381171.66			1381171.66			1381171.66			1381171.66		
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				.14 MG/L		-							.87 MG/L		-
INORGANICS															
ALUMINUM	.06 MG/L		U												
ANTIMONY	.0157 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.0241 MG/L		-												
BERYLLIUM	.00076 MG/L		U												
CADMIUM	.0012 MG/L		U												
CALCIUM	135 MG/L		-												
CHROMIUM	.0031 MG/L		U												
COBALT	.0034 MG/L		U												
COPPER	.0034 MG/L		-												
CYANIDE	.01 MG/L		U												
IRON	.0121 MG/L		U												
LEAD	.001 MG/L		U												
MAGNESIUM	99.4 MG/L		-												
MANGANESE	.0036 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.007 MG/L		U												
POTASSIUM	3.25 MG/L		-												
SELENIUM	.001 MG/L		UJ												
SILVER	.0029 MG/L		UJ												
SODIUM	29.6 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0029 MG/L		U												
ZINC	.0084 MG/L		-												
RADIONUCLIDES															
URANIUM-238							5 PCI/L	1.3	J						

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SAMPLE NUMBER:	120223			046664			120229			046662			046663		
LAB:	DATACHEM			IT			CORE			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, TOTAL				94.9 UG/L	10.1	-	18.8 UG/L	1.3	-	240 UG/L	42	J			
URANIUM-234							5.3 PCI/L	1.3	J						
THORIUM-230							.9 PCI/L	.4	J						
RADIUM-226							1 PCI/L	.5	U						
URANIUM-235/236							.4 PCI/L	.5	J						
THORIUM-232							.8 PCI/L	.4	J						
THORIUM, TOTAL							7.29615444 PCI/L	.4	NV						
RADIUM-228							3 PCI/L	1.1	U						
THORIUM-228							.9 PCI/L	.4	J						
GROSS ALPHA							18.7 PCI/L	6.6	NV						
GROSS BETA							30.3 PCI/L	6.1	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045151			045430			045431			118583			118583		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	WMCO			IT			IT			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	1152			1152			1152			1152			1152		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-MAY-89			05-NOV-89			05-NOV-89			11-JUN-93			11-JUN-93		
NORTH COORDINATE:	480411.02			480411.02			480411.02			480411.02			480411.02		
EAST COORDINATE:	1382105.62			1382105.62			1382105.62			1382105.62			1382105.62		
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													380 MG/L		-
AMMONIA													.37 MG/L		-
CHLORIDE													4.2 MG/L		-
FLUORIDE													.3 MG/L		-
NITRATE							.1 MG/L		U				.05 MG/L		U
NITRATE/NITRITE													.05 MG/L		U
PHENOLS													.002 MG/L		U
PHOSPHORUS													.18 MG/L		-
SULFATE													85 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		-
TOTAL ORGANIC HALIDES													.01 MG/L		U
INORGANICS															
ALUMINUM										.0767 MG/L		-	177 MG/L		J
ANTIMONY										.0157 MG/L		U	.0157 MG/L		UJ
ARSENIC										.002 MG/L		U	.0086 MG/L		J
BARIUM										.0816 MG/L		-	.99 MG/L		J
BERYLLIUM										.00082 MG/L		U	.01 MG/L		J
CADMIUM										.0012 MG/L		U	.0012 MG/L		UJ
CALCIUM										120 MG/L		-	926 MG/L		J
CHROMIUM										.0036 MG/L		U	.26 MG/L		J
COBALT										.0045 MG/L		U	.148 MG/L		J
COPPER										.0024 MG/L		U	.265 MG/L		J
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON										.0743 MG/L		-	306 MG/L		J
LEAD										.0022 MG/L		-	.103 MG/L		J
MAGNESIUM										36.8 MG/L		-	297 MG/L		J
MANGANESE										.0769 MG/L		-	5.4 MG/L		J
MERCURY										.0002 MG/L		U	.0003 MG/L		J
NICKEL										.01 MG/L		-	.319 MG/L		J

SAMPLE NUMBER:	045151			045430			045431			118583			118583		
LAB:	WMCO			IT			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)
INORGANICS															
POTASSIUM										1.02 MG/L		-	28.4 MG/L		J
SELENIUM										.001 MG/L		UJ	.01 MG/L		UJ
SILVER										.0029 MG/L		UJ	.0029 MG/L		UJ
SODIUM										9.61 MG/L		-	17.7 MG/L		J
THALLIUM										.001 MG/L		U	.001 MG/L		UJ
VANADIUM										.0037 MG/L		U	.304 MG/L		J
ZINC										.0052 MG/L		-	.76 MG/L		J
RADIONUCLIDES															
URANIUM-238	9.3 PCI/L		NV												
URANIUM, TOTAL	28 UG/L		NV	92 UG/L	10	-									
URANIUM-234	8.7 PCI/L		NV												
URANIUM-235	.43 PCI/L		NV												
URANIUM-236	.071 PCI/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		UJ
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

SAMPLE NUMBER:	045151			045430			045431			118583			118583		
LAB:	WMCO			IT			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)
VOLATILES															
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:	118585			118585			118587			118587F			045134		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			3.7		
LAB:	CORE			CORE			FERMCO			FERMCO			IT		
WELL OR BORING NUMBER:	1152			1152			1152			1152			1152		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	11-JUN-93			11-JUN-93			11-JUN-93			11-JUN-93			14-APR-89		
NORTH COORDINATE:	480411.02			480411.02			480411.02			480411.02			480411.02		
EAST COORDINATE:	1382105.62			1382105.62			1382105.62			1382105.62			1382105.62		
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															
OIL AND GREASE													2.5 MG/L		J
RADIONUCLIDES															
URANIUM-238	3.5 PCI/L	.8	J	1.4 PCI/L	.9	R									
URANIUM, TOTAL	13.6 UG/L	.9	-	2.4 UG/L	.2	-	12 UG/L		NV	13 UG/L		NV			
URANIUM-234	4 PCI/L	.9	J	.8 PCI/L	.8	R									
THORIUM-230	.4 PCI/L	.2	J	.5 PCI/L	.3	R									
RADIUM-226	1 PCI/L	.3	U	6.6 PCI/L	1	-									
URANIUM-235/236	.2 PCI/L	.2	UJ	.2 PCI/L	.5	R									
THORIUM-232	.2 PCI/L	.3	UJ	.2 PCI/L	.4	R									
THORIUM, TOTAL	.91201984 PCI/L		NV												
RADIUM-228	7.2 PCI/L	1.6	-	3.4 PCI/L	1.2	-									
THORIUM-228	.2 PCI/L	.9	UJ	.2 PCI/L	.2	R									
TECHNETIUM-99	48.5 PCI/L	9	J	48.5 PCI/L	9	J									
GROSS ALPHA	8.4 PCI/L	2.7	NV	117 PCI/L	24.3	NV									
GROSS BETA	4.3 PCI/L	2.6	NV	108 PCI/L	23.4	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045432			062955			062967			062967			045305		
TASK:	3.7			04.23			04.23			04.23			3.7		
LAB:	IT			FERMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1152			1153			1153			1153			1153		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-JUL-90			01-JUL-92			01-JUL-92			01-JUL-92			08-OCT-89		
NORTH COORDINATE:	480411.02			480301.97			480301.97			480301.97			480301.97		
EAST COORDINATE:	1382105.62			1381241.64			1381241.64			1381241.64			1381241.64		
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															
NITRATE	.1 MG/L		UJ												
INORGANICS															
ALUMINUM							.03 MG/L		U						
ANTIMONY							.03 MG/L		UJ						
ARSENIC							.002 MG/L		U						
BARIUM							.0645 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		UJ						
CALCIUM							130 MG/L		-						
CHROMIUM							.01 MG/L		UJ						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.02 MG/L		U						
LEAD							.002 MG/L		U						
MAGNESIUM							39.7 MG/L		-						
MANGANESE							.262 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							1.13 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							11 MG/L		-						
SILVER							.01 MG/L		UJ						
SODIUM							27.1 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.005 MG/L		U						
PESTICIDES															

001201

6416

001702

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045432			062955			062967			062967			045305		
LAB:	IT			FERMCO			IT			IT			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															
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				5.5 UG/L		NV							44.7 UG/L	6.4	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045306			045666			045667			062954			045436		
TASK:	3.7			3.7			3.7			04.23			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1153			1153			1153			1153			1154		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-OCT-89			10-JAN-90			10-JAN-90			30-JUN-92			01-FEB-90		
NORTH COORDINATE:	480301.97			480301.97			480301.97			480301.97			480206.13		
EAST COORDINATE:	1381241.64			1381241.64			1381241.64			1381241.64			1380744.14		
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															
LBPH AS GASOLINE							.05 MG/L		U						
NITRATE	.292 MG/L		-				.23 MG/L		-				.1 MG/L		U
INORGANICS															
CYANIDE										.002 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL				129 UG/L	18	-									
THORIUM, TOTAL				10.6 UG/L	5.8	-									
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		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			

SAMPLE NUMBER:	045306			045666			045667			062954			045436		
LAB:	IT			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															
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			
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			

SAMPLE NUMBER:	045306			045666			045667			062954			045436		
LAB:	IT			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															
PHENOL										70 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		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										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:	099022	099023	099031	099032	045138
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	3.7
LAB:	IT	IT	IT-KNOX	IT	WMCO
WELL OR BORING NUMBER:	1154	1154	1154	1154	1154
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-NOV-92	03-NOV-92	04-NOV-92	04-NOV-92	05-MAY-89
NORTH COORDINATE:	480206.13	480206.13	480206.13	480206.13	480206.13
EAST COORDINATE:	1380744.14	1380744.14	1380744.14	1380744.14	1380744.14
QA TYPE:	NORMAL	DUPLICATE	NORMAL	DUPLICATE	NORMAL
QC OF:	099023	099022	099032	099031	
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		UJ	.1 MG/L		UJ			
SULFIDE							.5 MG/L		U	.62 MG/L		-			
INORGANICS															
CYANIDE	.002 MG/L		U	.002 MG/L		U									
RADIONUCLIDES															
URANIUM-238													98 PCI/L		NV
URANIUM, TOTAL													200 PCI/L		NV
URANIUM-234													68 PCI/L		NV
URANIUM-235													4.5 PCI/L		NV
URANIUM-236													.72 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099045	099045	099046	099046	099049
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	IT-KNOX	IT	IT	IT/MWL
WELL OR BORING NUMBER:	1154	1154	1154	1154	1154
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-NOV-92	05-NOV-92	05-NOV-92	05-NOV-92	06-NOV-92
NORTH COORDINATE:	480206.13	480206.13	480206.13	480206.13	480206.13
EAST COORDINATE:	1380744.14	1380744.14	1380744.14	1380744.14	1380744.14
QA TYPE:	NORMAL	NORMAL	DUPLICATE	DUPLICATE	NORMAL
QC OF:	099046	099046	099045	099045	099050
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															
PHENOLS				.01 MG/L		U				.01 MG/L		U			
INORGANICS															
ALUMINUM													.0596 MG/L		U
ANTIMONY													.005 MG/L		U
ARSENIC													.0025 MG/L		U
BARIUM													.0558 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													104 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.02 MG/L		U
LEAD													.0025 MG/L		U
MAGNESIUM													24.4 MG/L		-
MANGANESE													.0611 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													1.74 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													6.25 MG/L		-
SILVER													.01 MG/L		U
SODIUM													28 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.01 MG/L		U
ZINC													.0094 MG/L		-
RADIONUCLIDES															

001708

GROSS ALPHA 10/01/94	261 PCI/L	39	NV				192 PCI/L	31	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099045			099045			099046			099046			099049		
LAB:	IT			IT-KNOX			IT			IT			IT/MWL		
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															
GROSS BETA	60.3 PCI/L	8.3	NV				64.4 PCI/L	8.5	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099050	099057	099058	098904	098904
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT/MWL	IT	IT	IT	IT
WELL OR BORING NUMBER:	1154	1154	1154	1154	1154
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-NOV-92	11-NOV-92	11-NOV-92	12-JUN-92	12-JUN-92
NORTH COORDINATE:	480206.13	480206.13	480206.13	480206.13	480206.13
EAST COORDINATE:	1380744.14	1380744.14	1380744.14	1380744.14	1380744.14
QA TYPE:	DUPLICATE	NORMAL	DUPLICATE	NORMAL	NORMAL
QC OF:	099049	099058	099057		
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															
ALUMINUM	.042 MG/L		U							.0787 MG/L		-	.0787 MG/L		-
ANTIMONY	.005 MG/L		U												
ARSENIC	.0025 MG/L		U							.002 MG/L		U	.002 MG/L		U
BARIUM	.0564 MG/L		-							.0702 MG/L		-	.0702 MG/L		-
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		U							.005 MG/L		U	.005 MG/L		U
CALCIUM	106 MG/L		-							121 MG/L		-	121 MG/L		-
CHROMIUM	.01 MG/L		U							.01 MG/L		U	.01 MG/L		U
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U							.01 MG/L		U	.01 MG/L		U
IRON	.02 MG/L		U							.0923 MG/L		-	.0923 MG/L		-
LEAD	.0025 MG/L		U							.002 MG/L		U	.002 MG/L		U
MAGNESIUM	25.1 MG/L		-							32.1 MG/L		-	32.1 MG/L		-
MANGANESE	.0507 MG/L		-							.0148 MG/L		-	.0148 MG/L		-
MERCURY	.0002 MG/L		U							.0002 MG/L		U	.0002 MG/L		U
MOLYBDENUM	.02 MG/L		U							.02 MG/L		U	.02 MG/L		U
NICKEL	.02 MG/L		U							.02 MG/L		U	.02 MG/L		U
POTASSIUM	1.68 MG/L		-							1.28 MG/L		-	1.28 MG/L		-
SELENIUM	.002 MG/L		U							.003 MG/L		UJ	.003 MG/L		UJ
SILICON	6.41 MG/L		-							6.39 MG/L		-	6.39 MG/L		-
SILVER	.01 MG/L		U							.01 MG/L		UJ	.01 MG/L		UJ
SODIUM	27.9 MG/L		-							28.9 MG/L		-	28.9 MG/L		-
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U							.01 MG/L		U	.01 MG/L		U
ZINC	.005 MG/L		U												
RADIONUCLIDES															
URANIUM-238													105 PCI/L	14	-
URANIUM, TOTAL													365 UG/L	54	-
URANIUM-234													95.5 PCI/L	13.1	-
THORIUM-230													.4 PCI/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099050			099057			099058			098904			098904		
LAB:	IT/MWL			IT			IT			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)
RADIONUCLIDES															
RADIUM-226													1 PCI/L		UJ
URANIUM-235/236													9.97 PCI/L	2.42	-
THORIUM-232													.4 PCI/L		UJ
THORIUM, TOTAL													3.3 UG/L		UJ
RADIUM-228													2 PCI/L		R
THORIUM-228													1 PCI/L	.5	J
PLUTONIUM-239/240													.5 PCI/L		UJ
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													3.19 PCI/L	.72	J
TECHNETIUM-99													12 PCI/L		R
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													16 PCI/L		UJ
GROSS ALPHA													247 PCI/L	36	NV
GROSS BETA													69.7 PCI/L	10.6	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				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						
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		UJ	10 UG/L		UJ						
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		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						

SAMPLE NUMBER:	099050			099057			099058			098904			098904		
LAB:	IT/MWL			IT			IT			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)
SEMIVOLATILES															
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		UJ	10 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UJ	10 UG/L		UJ						
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		UJ	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		UJ	10 UG/L		UJ						
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						
TRIBUTYL PHOSPHATE				10 UG/L		U	10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098904			098904			098905			099068			099069		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			WEMCO			IT/MWL			IT/MWL		
WELL OR BORING NUMBER:	1154			1154			1154			1154			1154		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-JUN-92			12-JUN-92			12-JUN-92			18-NOV-92			18-NOV-92		
NORTH COORDINATE:	480206.13			480206.13			480206.13			480206.13			480206.13		
EAST COORDINATE:	1380744.14			1380744.14			1380744.14			1380744.14			1380744.14		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:										099069			099068		
SUFFIX/FILTERFLAG:	DL-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				46.6 MG/L		NV									
FLUORIDE				.22 MG/L		NV									
NITRATE				4.65 MG/L		NV									
PHENOLS				.01 MG/L		UNV									
PHOSPHORUS				1.007 MG/L		NV									
SULFATE				85.1 MG/L		NV									
SULFIDE				.5 MG/L		UNV									
TOTAL ORGANIC CARBON				1.25 MG/L		NV									
TOTAL ORGANIC HALIDES				.225 MG/L		NV									
TOTAL ORGANIC NITROGEN				.17 MG/L		NV									
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

SAMPLE NUMBER:	098904			098904			098905			099068			099069		
LAB:	IT			IT			WEMCO			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	DL-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															
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							200 UG/L		NV						
VOLATILES															
1,1,1-TRICHLOROETHANE	10 UG/L		UR	5 UG/L		U									
1,1,2,2-TETRACHLOROETHANE	10 UG/L		UR	5 UG/L		U									
1,1,2-TRICHLOROETHANE	10 UG/L		UR	5 UG/L		U									
1,1-DICHLOROETHANE	10 UG/L		UR	5 UG/L		U									
1,1-DICHLOROETHENE	10 UG/L		UR	5 UG/L		U									
1,2-DICHLOROETHANE	10 UG/L		UR	5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)	270 UG/L		-	320 UG/L		R									
1,2-DICHLOROPROPANE	10 UG/L		UR	5 UG/L		U									
2-BUTANONE	20 UG/L		UR	10 UG/L		UJ									
2-HEXANONE	20 UG/L		UR	10 UG/L		UJ									
4-METHYL-2-PENTANONE	20 UG/L		UR	10 UG/L		UJ									
ACETONE	4 UG/L		R	10 UG/L		U									
BENZENE	10 UG/L		UR	5 UG/L		U									
BROMODICHLOROMETHANE	10 UG/L		UR	5 UG/L		U									
BROMOFORM	10 UG/L		UR	5 UG/L		U									
BROMOMETHANE	20 UG/L		UR	10 UG/L		U									
CARBON DISULFIDE	10 UG/L		UR	5 UG/L		U									
CARBON TETRACHLORIDE	10 UG/L		UR	5 UG/L		UJ									
CHLOROBENZENE	10 UG/L		UR	5 UG/L		U									
CHLOROETHANE	20 UG/L		UR	10 UG/L		U									
CHLOROFORM	10 UG/L		UR	5 UG/L		U									
CHLOROMETHANE	20 UG/L		UR	10 UG/L		U									
CIS-1,3-DICHLOROPROPENE	10 UG/L		UR	5 UG/L		U									
DIBROMOCHLOROMETHANE	10 UG/L		UR	5 UG/L		U									
ETHYLBENZENE	10 UG/L		UR	5 UG/L		U									
METHYLENE CHLORIDE	11 UG/L		R	5 UG/L		U									
STYRENE	10 UG/L		UR	5 UG/L		U									
TETRACHLOROETHENE	10 UG/L		UR	5 UG/L		U									
TOLUENE	2 UG/L		R	5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE	10 UG/L		UR	5 UG/L		U									
TRICHLOROETHENE	120 UG/L		R	150 UG/L		-									
VINYL ACETATE	20 UG/L		UR	10 UG/L		U									

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SAMPLE NUMBER:	098904			098904			098905			099068			099069		
LAB:	IT			IT			WEMCO			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	DL-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	20 UG/L		UR	10 UG/L		U									
XYLENES, TOTAL	10 UG/L		UR	5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045434			045435			099082			099083			098995		
TASK:	3.7			3.7			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			IT/RSL			IT/RSL			IT-KNOX		
WELL OR BORING NUMBER:	1154			1154			1154			1154			1154		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-OCT-89			18-OCT-89			20-NOV-92			20-NOV-92			28-OCT-92		
NORTH COORDINATE:	480206.13			480206.13			480206.13			480206.13			480206.13		
EAST COORDINATE:	1380744.14			1380744.14			1380744.14			1380744.14			1380744.14		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			NORMAL		
QC OF:							099083			099082			098996		
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															
NITRATE				.1 MG/L		U									
TOTAL ORGANIC CARBON													1.55 MG/L		NV
RADIONUCLIDES															
URANIUM-238							83.2 PCI/L	13.2	-	90.4 PCI/L	14	-			
URANIUM, TOTAL	217 UG/L	34	-				225 UG/L	33	-	192 UG/L	28	-			
URANIUM-234							77.8 PCI/L	12.3	-	86.9 PCI/L	13.5	-			
RADIUM-226							1 PCI/L	.2	UJ	1 PCI/L	.1	UJ			
URANIUM-235/236							4.53 PCI/L	1.13	-	6.08 PCI/L	1.35	-			
RADIUM-228							3 PCI/L		UJ	3 PCI/L		UJ			
NEPTUNIUM-237							.5 PCI/L	.1	UJ	.5 PCI/L	.07	UJ			
PLUTONIUM-239/240							.5 PCI/L	.07	UJ	.5 PCI/L		UJ			
PLUTONIUM-238							.5 PCI/L	.07	UJ	.5 PCI/L		UJ			
STRONTIUM-90							1.6 PCI/L		UJ	1.6 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 PCI/L		UJ	16 PCI/L		UJ			
GROSS ALPHA							9.58 PCI/L	6.45	NV	9.32 PCI/L	6.28	NV			
GROSS BETA							5.53 UG/L	3.31	NV	56.6 PCI/L	7.9	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098995			098995			098996			098996			098996		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			IT-KNOX			IT			IT		
WELL OR BORING NUMBER:	1154			1154			1154			1154			1154		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-OCT-92			28-OCT-92			28-OCT-92			28-OCT-92			28-OCT-92		
NORTH COORDINATE:	480206.13			480206.13			480206.13			480206.13			480206.13		
EAST COORDINATE:	1380744.14			1380744.14			1380744.14			1380744.14			1380744.14		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			DUPLICATE		
QC OF:	098996			098996			098995			098995			098995		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			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															
TOTAL ORGANIC CARBON				2.52 MG/L		-	2.24 MG/L		-						
TOTAL ORGANIC HALIDES				305.4 MG/L		-	174.7 MG/L		-						
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)	180 UG/L		-							310 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		UJ							10 UG/L		UJ
4-METHYL-2-PENTANONE				10 UG/L		UJ							10 UG/L		UJ
ACETONE				10 UG/L		UJ							15 UG/L		J
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		UJ							6 UG/L		UJ
STYRENE				5 UG/L		U							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098995			098995			098996			098996			098996		
LAB:	IT			IT			IT-KNOX			IT			IT		
SUFFIX/FILTERFLAG:	DL-UNF			NONE-UNF			NONE-UNF			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				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				170 UG/L		-							160 UG/L		-
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		U							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099014			099015			099015			099016			045439		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			3.7		
LAB:	WMCO			IT-KNOX			IT			IT-KNOX			IT		
WELL OR BORING NUMBER:	1154			1154			1154			1154			1155		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-OCT-92			29-OCT-92			29-OCT-92			29-OCT-92			16-FEB-90		
NORTH COORDINATE:	480206.13			480206.13			480206.13			480206.13			480222.78		
EAST COORDINATE:	1380744.14			1380744.14			1380744.14			1380744.14			1380933.07		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			NORMAL		
QC OF:				099016			099016			099015					
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				350 MG/L		-				355 MG/L		-			
AMMONIA				.1 MG/L		U				.1 MG/L		U			
CHLORIDE				30.8 MG/L		-				35.2 MG/L		-			
FLUORIDE				.31 MG/L		-				.29 MG/L		-			
NITRATE													.1 MG/L		U
PHOSPHORUS				.5 MG/L		-				.21 MG/L		-			
SULFATE							50.7 MG/L		-	84.4 MG/L		-			
TOTAL ORGANIC NITROGEN				.14 MG/L		-				.13 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	210 UG/L		NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045173			045174			045438			045295			045675		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	WMCO			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1155			1155			1155			1156			1156		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-JUL-89			18-OCT-89			18-OCT-89			01-AUG-89			04-OCT-90		
NORTH COORDINATE:	480222.78			480222.78			480222.78			480196.36			480196.36		
EAST COORDINATE:	1380933.07			1380933.07			1380933.07			1381031			1381031		
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				.88 MG/L		-
RADIONUCLIDES															
URANIUM-238										99.54 UG/L		NV			
URANIUM, TOTAL	5.4 UG/L		NV	18 UG/L	2	-				130 UG/L		NV			
URANIUM-234										.001 UG/L		NV			
URANIUM-235										.45 UG/L		NV			
URANIUM-236										.008 UG/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045136	045673	046670	046671	120217
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	IT	IT	IT	IT	FERMCO
WELL OR BORING NUMBER:	1156	1156	1157	1157	1157
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-APR-89	22-AUG-90	10-JAN-90	10-JAN-90	10-JUN-93
NORTH COORDINATE:	480196.36	480196.36	480163.38	480163.38	480163.38
EAST COORDINATE:	1381031	1381031	1381153.01	1381153.01	1381153.01
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				2.52 MG/L		-				.42 MG/L		-			
OIL AND GREASE	1.44 MG/L		J												
RADIONUCLIDES															
URANIUM, TOTAL							57.4 UG/L	8.1	-				40 UG/L		NV
THORIUM, TOTAL							18.4 UG/L	5.8	-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120217F			120218			120218F			120219			120219F		
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:	1157			1157			1157			1157			1157		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	10-JUN-93			10-JUN-93			10-JUN-93			10-JUN-93			10-JUN-93		
NORTH COORDINATE:	480163.38			480163.38			480163.38			480163.38			480163.38		
EAST COORDINATE:	1381153.01			1381153.01			1381153.01			1381153.01			1381153.01		
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				320 MG/L		-									
AMMONIA				.05 MG/L		U									
CHLORIDE				18 MG/L		-									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.93 MG/L		-									
PHENOLS				.002 MG/L		U									
PHOSPHORUS				.12 MG/L		-									
SULFATE				50 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		-									
TOTAL ORGANIC HALIDES				.02 MG/L		-									
INORGANICS															
ALUMINUM				16.9 MG/L		-	.06 MG/L		U						
ANTIMONY				.0157 MG/L		U	.0157 MG/L		U						
ARSENIC				.0027 MG/L		-	.001 MG/L		U						
BARIUM				.183 MG/L		-	.0597 MG/L		-						
BERYLLIUM				.0017 MG/L		U	.0007 MG/L		U						
CADMIUM				.0012 MG/L		U	.0012 MG/L		U						
CALCIUM				182 MG/L		-	110 MG/L		-						
CHROMIUM				.0285 MG/L		U	.0039 MG/L		U						
COBALT				.0207 MG/L		U	.0034 MG/L		U						
COPPER				.0252 MG/L		-	.0024 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				32.7 MG/L		-	.0089 MG/L		U						
LEAD				.0117 MG/L		-	.001 MG/L		U						
MAGNESIUM				55.4 MG/L		-	34.4 MG/L		-						
MANGANESE				1.62 MG/L		-	.0289 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0427 MG/L		U	.0085 MG/L		U						
POTASSIUM				5.11 MG/L		-	1.25 MG/L		-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120217F			120218			120218F			120219			120219F		
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		UJ						
SILVER				.0029 MG/L		UJ	.0029 MG/L		UJ						
SODIUM				8.09 MG/L		-	7.44 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						
VANADIUM				.0332 MG/L		-	.0029 MG/L		U						
ZINC				.0822 MG/L		-	.004 MG/L		U						
RADIONUCLIDES															
URANIUM-238										14.6 PCI/L	1.9	J	11.5 PCI/L	2	J
URANIUM, TOTAL	36 UG/L		NV							35 UG/L	2.4	-	30.1 UG/L	2.1	-
URANIUM-234										12.1 PCI/L	1.6	J	11.8 PCI/L	1.6	J
THORIUM-230										.8 PCI/L	.3	J	.3 PCI/L	.2	UJ
RADIUM-226										1.3 PCI/L	.5	-	1 PCI/L	.2	U
URANIUM-235/236										1.3 PCI/L	.5	J	.5 PCI/L	.4	J
THORIUM-232										.8 PCI/L	.4	J	.2 PCI/L	.3	UJ
THORIUM, TOTAL										7.29613728 PCI/L	.4	NV			
RADIUM-228										3 PCI/L	1.4	U	3 PCI/L	1.3	U
THORIUM-228										.8 PCI/L	.4	J	.2 PCI/L	.4	UJ
TECHNETIUM-99										52 PCI/L	9.5	J	15.1 PCI/L	9	UJ
GROSS ALPHA										53.3 PCI/L	8.6	NV	14.2 PCI/L	4.1	NV
GROSS BETA										84.7 PCI/L	7.8	NV	9.7 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		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		UJ									

SAMPLE NUMBER:	120217F			120218			120218F			120219			120219F		
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 CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046668			046669			045678			045679			045303		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1157			1157			1158			1158			1158		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-OCT-89			26-OCT-89			01-AUG-90			01-AUG-90			08-OCT-89		
NORTH COORDINATE:	480163.38			480163.38			480210.55			480210.55			480210.55		
EAST COORDINATE:	1381153.01			1381153.01			1381229.23			1381229.23			1381229.23		
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				.65 MG/L		-				3.16 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	41 UG/L	6	-				12.8 UG/L	2	-				6.38 UG/L	.7	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045304			045677			062956			062956			062956		
TASK:	3.7			3.7			04.23			04.23			04.23		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1158			1158			1158			1158			1158		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-OCT-89			22-FEB-90			30-JUN-92			30-JUN-92			30-JUN-92		
NORTH COORDINATE:	480210.55			480210.55			480210.55			480210.55			480210.55		
EAST COORDINATE:	1381229.23			1381229.23			1381229.23			1381229.23			1381229.23		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	VAL 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	3.52 MG/L		-												
INORGANICS															
ALUMINUM							.03 MG/L		U						
ANTIMONY							.03 MG/L		UJ						
ARSENIC							.002 MG/L		U						
BARIUM							.0739 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		UJ						
CALCIUM							106 MG/L		-						
CHROMIUM							.01 MG/L		UJ						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE										.002 MG/L		U			
IRON							.02 MG/L		U						
LEAD							.002 MG/L		UJ						
MAGNESIUM							34.9 MG/L		-						
MANGANESE							.137 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							.573 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILICON							8.76 MG/L		-						
SILVER							.01 MG/L		UJ						
SODIUM							16.4 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.0052 MG/L		-						

001225

6416

PESTICIDES

4,4'-DDD .1 UG/L U

SAMPLE NUMBER:	045304			045677			062956			062956			062956		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	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				348 UG/L	63	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		U
2,4-DINITROTOLUENE													10 UG/L		U

SAMPLE NUMBER:	045304			045677			062956			062956			062956		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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
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

SAMPLE NUMBER:	045304			045677			062956			062956			062956		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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													10 UG/L		U
PYRENE													10 UG/L		U
TRIBUTYL PHOSPHATE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE													67 UG/L		-
1,1,2,2-TETRACHLOROETHANE													5 UG/L		U
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													8 UG/L		-
1,1-DICHLOROETHENE													5 UG/L		-
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		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													5 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		UJ
VINYL CHLORIDE													10 UG/L		U

SAMPLE NUMBER:	045304			045677			062956			062956			062956		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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:	062957	GW930104-8	GW930104-8	GW930104-8	GW930104-8
TASK:	04.23	RCRA	RCRA	RCRA	RCRA
LAB:	WEMCO	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	1158	1160	1160	1160	1160
DEPTH:	-	-	-	-	-
DATE COLLECTED:	30-JUN-92	04-JAN-93	04-JAN-93	04-JAN-93	04-JAN-93
NORTH COORDINATE:	480210.55	480183.25	480183.25	480183.25	480183.25
EAST COORDINATE:	1381229.23	1382104.51	1382104.51	1382104.51	1382104.51
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													500 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA													.25 MG/L		NV
BICARBONATE ALKALINITY													451 MG/L		NV
CARBONATE ALKALINITY													3 MG/L		UNV
CHLORIDE													35 MG/L		NV
FLUORIDE													.24 MG/L		NV
NITRATE													1.67 MG/L		NV
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH													7 SU		NV
PHENOLS													.01 MG/L		UNV
PHOSPHORUS													.1 MG/L		UNV
SPECIFIC CONDUCTIVITY													1100 UMHOS/CM		NV
SULFATE													76 MG/L		NV
TOTAL DISSOLVED SOLIDS										561 MG/L		NV			
TOTAL ORGANIC CARBON													68 MG/L		NV
TOTAL ORGANIC HALOGENS													.01 MG/L		UNV
TOTAL SOLIDS													5990 MG/L		NV
INORGANICS															
ALUMINUM										.2 MG/L		UNV	40.1 MG/L		NV
ANTIMONY										.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC										.005 MG/L		UNV	.0475 MG/L		NV
BARIUM										.2 MG/L		UNV	.59 MG/L		NV
BERYLLIUM										.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM										.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM										155 MG/L		NV	600 MG/L		NV
CHROMIUM										.002 MG/L		UNV	.17 MG/L		NV
COBALT										.005 MG/L		UNV	.073 MG/L		NV
COPPER										.02 MG/L		UNV	.141 MG/L		NV
CYANIDE													.005 MG/L		UNV

SAMPLE NUMBER:	062957			GW930104-8			GW930104-8			GW930104-8			GW930104-8		
LAB:	WEMCO			CORE			FERMCO Laboratory			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 MG/L		UNV	143 MG/L		NV
LEAD										.003 MG/L		UNV	.047 MG/L		NV
MAGNESIUM										54.6 MG/L		NV	199 MG/L		NV
MANGANESE										.015 MG/L		UNV	1.91 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	.2 MG/L		NV
POTASSIUM													7.9 MG/L		NV
SELENIUM										.005 MG/L		UNV	.005 MG/L		UNV
SILVER										.001 MG/L		UNV	.001 MG/L		UNV
SODIUM													9.3 MG/L		NV
THALLIUM										.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM										.05 MG/L		UNV	.269 MG/L		NV
ZINC										.02 MG/L		UNV	.429 MG/L		NV
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	4.3 UG/L		NV	7.2 UG/L		NV	10 UG/L		NV						
THORIUM-230				.4 PCI/L	.1	NV									
RADIUM-226				1.3 PCI/L	.4	NV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				1.3 UG/L		NV									
RADIUM-228				3 PCI/L	1	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
GROSS ALPHA				9.8 PCI/L	10	NV									
GROSS BETA				2.5 PCI/L	8.9	NV									

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SEMIVOLATILES

2-CHLOROETHYLVINYL ETHER 10 UG/L UNV

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062957	GW930104-8	GW930104-8	GW930104-8	GW930104-8
LAB:	WEMCO	CORE	FERMCO Laboratory	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															
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:	045149			045681			045682			045683			045684		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1160			1160			1160			1160			1160		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-MAY-89			05-NOV-89			05-NOV-89			08-FEB-90			08-FEB-90		
NORTH COORDINATE:	480183.25			480183.25			480183.25			480183.25			480183.25		
EAST COORDINATE:	1382104.51			1382104.51			1382104.51			1382104.51			1382104.51		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													045683		
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							.74 MG/L		-	.997 MG/L		J	.995 MG/L		J
RADIONUCLIDES															
URANIUM-238	2.8 PCI/L		NV												
URANIUM, TOTAL	8.3 UG/L		NV	17 UG/L	3	-									
URANIUM-234	2.5 PCI/L		NV												
URANIUM-235	.13 PCI/L		NV												
URANIUM-236	.005 PCI/L		NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045132	GW930416-8	GW930416-8	GW930416-8	GW930416-8
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	CORE	CORE	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1160	1160	1160	1160	1160
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-APR-89	16-APR-93	16-APR-93	16-APR-93	16-APR-93
NORTH COORDINATE:	480183.25	480183.25	480183.25	480183.25	480183.25
EAST COORDINATE:	1382104.51	1382104.51	1382104.51	1382104.51	1382104.51
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													480 MG/L		-
AMMONIA													.05 MG/L		U
BICARBONATE ALKALINITY													600 MG/L		-
CARBONATE ALKALINITY													3 MG/L		U
CHLORIDE													26 MG/L		-
FLUORIDE													.3 MG/L		-
NITRATE/NITRITE													2 MG/L		-
OIL AND GREASE	1.62 MG/L		J												
PH													7 SU		-
PHENOLS													.01 MG/L		U
PHOSPHORUS													3 MG/L		-
SPECIFIC CONDUCTIVITY													1000 UMHOS/CM		-
SULFATE													41 MG/L		-
TOTAL DISSOLVED SOLIDS										590 MG/L		-			
TOTAL KJELDAHL NITROGEN													.6 MG/L		-
TOTAL ORGANIC CARBON													2 MG/L		UJ
TOTAL ORGANIC HALIDES													.01 MG/L		UJ
TOTAL SOLIDS													2900 MG/L		-
INORGANICS															
ALUMINUM										.014 MG/L		U	26.3 MG/L		-
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.001 MG/L		U	.0025 MG/L		-
BARIUM										.0454 MG/L		-	.164 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										145 MG/L		-	387 MG/L		-
CHROMIUM										.004 MG/L		U	.038 MG/L		U
COBALT										.006 MG/L		U	.0132 MG/L		-
COPPER										.004 MG/L		U	.0478 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		U

SAMPLE NUMBER:	045132			GW930416-8			GW930416-8			GW930416-8			GW930416-8		
LAB:	IT			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															
IRON										.015 MG/L		U	52.4 MG/L		J
LEAD										.001 MG/L		UJ	.0167 MG/L		UJ
MAGNESIUM										50.1 MG/L		-	135 MG/L		-
MANGANESE										.0047 MG/L		U	.981 MG/L		-
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.019 MG/L		U	.0396 MG/L		-
POTASSIUM										.882 MG/L		U	6.02 MG/L		-
SELENIUM										.002 MG/L		UJ	.02 MG/L		UR
SILVER										.003 MG/L		UJ	.003 MG/L		UJ
SODIUM										7.63 MG/L		-	8.43 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.004 MG/L		U	.0482 MG/L		-
ZINC										.006 MG/L		U	.133 MG/L		U
RADIONUCLIDES															
URANIUM-238				2.6 PCI/L	.4	J	.8 PCI/L	.2	J						
URANIUM, TOTAL				9 UG/L	.6	-	13.6 UG/L	1	J						
URANIUM-234				2.8 PCI/L	.5	J	.7 PCI/L	.2	J						
THORIUM-230				.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.2	UJ	1.7 PCI/L	.5	-						
URANIUM-235/236				.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ						
THORIUM-232				.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ						
RADIUM-228				6.5 PCI/L	1.5	-	3 PCI/L	1	U						
THORIUM-228				.2 PCI/L	.1	UJ	.4 PCI/L	.1	UJ						
TECHNETIUM-99				15 PCI/L	8.1	U	15 PCI/L	6.9	UJ						
GROSS ALPHA				5 PCI/L	2.7	UNV	21.3 PCI/L	13.2	UNV						
GROSS BETA				4.8 PCI/L	2.8	UNV	41.5 PCI/L	13.7	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		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

001235

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SAMPLE NUMBER:	045132			GW930416-8			GW930416-8			GW930416-8			GW930416-8		
LAB:	IT			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															
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 CHLORIDE													10 UG/L		UJ
XYLENES, TOTAL													10 UG/L		UJ

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930416-8			GW930416-8			045246			062414			062415		
TASK:	50.03.23			50.03.23			3.7			04.30			04.30		
LAB:	FERMCO			FERMCO			WMCO			IT/MWL			IT/MWL		
WELL OR BORING NUMBER:	1160			1160			1161			1161			1161		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-APR-93			16-APR-93			02-AUG-89			04-FEB-93			05-FEB-93		
NORTH COORDINATE:	480183.25			480183.25			480118.86			480118.86			480118.86		
EAST COORDINATE:	1382104.51			1382104.51			1381704.87			1381704.87			1381704.87		
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)
INORGANICS															
CYANIDE													.003 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	8 UG/L		NV	10 UG/L		NV	5080 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		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			

SAMPLE NUMBER:	GW930416-8			GW930416-8			045246			062414			062415		
LAB:	FERMCO			FERMCO			WMCO			IT/MWL			IT/MWL		
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															
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			
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:	045372			045373			062417			062417			062419		
TASK:	3.7			3.7			04.30			04.30			04.30		
LAB:	IT			IT			IT			IT/MWL			IT/MWL		
WELL OR BORING NUMBER:	1161			1161			1161			1161			1161		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-OCT-89			08-OCT-89			11-FEB-93			11-FEB-93			12-FEB-93		
NORTH COORDINATE:	480118.86			480118.86			480118.86			480118.86			480118.86		
EAST COORDINATE:	1381704.87			1381704.87			1381704.87			1381704.87			1381704.87		
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				15.8 MG/L		-									
INORGANICS															
ALUMINUM													4.7 MG/L		-
ANTIMONY													.005 MG/L		UJ
ARSENIC													.002 MG/L		UJ
BARIUM													.0056 MG/L		-
BERYLLIUM													.005 MG/L		-
CADMIUM													.005 MG/L		U
CALCIUM													333 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.02 MG/L		U
LEAD													.002 MG/L		U
MAGNESIUM													179 MG/L		-
MANGANESE													.162 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													5.14 MG/L		-
SELENIUM													.002 MG/L		UJ
SILICON													6.51 MG/L		-
SILVER													.0818 MG/L		-
SODIUM													46.5 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.01 MG/L		U
ZINC													.133 MG/L		-
PESTICIDES															

SAMPLE NUMBER:	045372			045373			062417			062417			062419		
LAB:	IT			IT			IT			IT/MWL			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															
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													.52 UG/L		U
AROCLOR-1016													.52 UG/L		U
AROCLOR-1221													.52 UG/L		U
AROCLOR-1232													.52 UG/L		U
AROCLOR-1242													.52 UG/L		U
AROCLOR-1248													.52 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 KETONE													.1 UG/L		U
GAMMA-BHC (LINDANE)													.052 UG/L		U
GAMMA-CHLORDANE													.52 UG/L		U
HEPTACHLOR													.052 UG/L		U
HEPTACHLOR EPOXIDE													.052 UG/L		U
METHOXYCHLOR													.52 UG/L		U
TOXAPHENE													1 UG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	216 UG/L	33	-												
GROSS ALPHA							49500 PCI/L	5000	NV						
GROSS BETA							28100 PCI/L	2800	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		UJ			
4-METHYL-2-PENTANONE										10 UG/L		UJ			

SAMPLE NUMBER:	045372			045373			062417			062417			062419		
LAB:	IT			IT			IT			IT/MWL			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															
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			
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		UJ			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062420	066897	066897	066897	066897
TASK:	04.30	3.7	3.7	3.7	3.7
LAB:	IT/RSL	IT	IT	IT/MWL	IT/MWL
WELL OR BORING NUMBER:	1161	1161	1161	1161	1161
DEPTH:	-	-11	-11	-11	-11
DATE COLLECTED:	23-FEB-93	24-JUL-90	24-JUL-90	24-JUL-90	24-JUL-90
NORTH COORDINATE:	480118.86	480118.86	480118.86	480118.86	480118.86
EAST COORDINATE:	1381704.87	1381704.87	1381704.87	1381704.87	1381704.87
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	NONE-FIL	NONE-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				1.64 MG/L		-									
ANTIMONY				.0873 MG/L		-									
ARSENIC				.002 MG/L		UJ									
BARIUM				.0529 MG/L		-									
BERYLLIUM				.0134 MG/L		-									
CADMIUM				.023 MG/L		-									
CALCIUM				301 MG/L		-									
CHROMIUM				.399 MG/L		-									
COBALT				.0422 MG/L		-									
COPPER				.116 MG/L		-									
CYANIDE				.002 MG/L		UJ									
IRON				.12 MG/L		-									
LEAD				.0107 MG/L		J									
MAGNESIUM				155 MG/L		-									
MANGANESE				.167 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.0832 MG/L		-									
POTASSIUM				7.63 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.166 MG/L		-									
SODIUM				33.9 MG/L		-									
THALLIUM				.002 MG/L		UJ									
VANADIUM				.131 MG/L		-									
ZINC				.758 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			

SAMPLE NUMBER:	062420			066897			066897			066897			066897		
LAB:	IT/RSL			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-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															
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	44100 PCI/L	9400	-				25572 PCI/L	5202	J						
URANIUM, TOTAL	101000 UG/L	14000	-				98500 UG/L	13000	J						
URANIUM-234	42800 PCI/L	9100	-				24988 PCI/L	5085	J						
THORIUM-230	24.3 PCI/L	14.3	J				4.7 PCI/L		UJ						
RADIUM-226	1 PCI/L		UJ				1 PCI/L		R						
URANIUM-235/236	2170 PCI/L	570	-				2488 PCI/L	549	J						
THORIUM-232	8.5 PCI/L		UJ				4.7 PCI/L		UJ						
THORIUM, TOTAL	6.5 UG/L	29.1	J				43 UG/L		UJ						
RADIUM-228	16 PCI/L	3.5	-				19.2 PCI/L	3.1	R						
THORIUM-228	4.28 PCI/L	6.1	J				5.29 PCI/L	3.59	J						
NEPTUNIUM-237							1 PCI/L		UJ						
PLUTONIUM-239/240							1 PCI/L		R						
PLUTONIUM-238							1 PCI/L		R						
STRONTIUM-90	1 PCI/L		UJ				5 PCI/L		U						
TECHNETIUM-99	15 PCI/L		UJ				15 PCI/L	8.3	UJ						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		R						
CESIUM-137	20 PCI/L		UJ				20 PCI/L		R						
GROSS ALPHA	56700 PCI/L	5900	NV												
GROSS BETA	44400 PCI/L	4500	NV												
SEMIVOLATILES															

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

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062420			066897			066897			066897			066897		
LAB:	IT/RSL			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-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	10 UG/L		UJ	10 UG/L		UR
1,3-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
1,4-DICHLOROBENZENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2,4,5-TRICHLOROPHENOL							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
2,4,6-TRICHLOROPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2,4-DICHLOROPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2,4-DIMETHYLPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2,4-DINITROPHENOL							50 UG/L		UJ	50 UG/L		UJ	50 UG/L		UR
2,4-DINITROTOLUENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2,6-DINITROTOLUENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2-CHLORONAPHTHALENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2-CHLOROPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2-METHYLNAPHTHALENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2-METHYLPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
2-NITROANILINE							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
2-NITROPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
3,3'-DICHLOROBENZIDINE							20 UG/L		UJ	20 UG/L		UJ	20 UG/L		UR
3-NITROANILINE							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
4-BROMOPHENYL PHENYL ETHER							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
4-CHLORO-3-METHYLPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
4-METHYLPHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
4-NITROANILINE							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
4-NITROPHENOL							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
ACENAPHTHENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
ACENAPHTHYLENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
ANTHRACENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BENZO(A)ANTHRACENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BENZO(A)PYRENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BENZO(B)FLUORANTHENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BENZO(G,H,I)PERYLENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BENZO(K)FLUORANTHENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BENZOIC ACID							50 UG/L		UJ	50 UG/L		UJ	50 UG/L		UR
BENZYL ALCOHOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BIS(2-CHLOROETHYL)ETHER							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ	10 UG/L		UJ	10 UG/L		UR
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
BUTYL BENZYL PHTHALATE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
CHRYSENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
DI-N-BUTYL PHTHALATE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
DI-N-OCTYL PHTHALATE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ	10 UG/L		UJ	10 UG/L		UR
DIBENZOFURAN							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR

SAMPLE NUMBER:	062420			066897			066897			066897			066897		
LAB:	IT/RSL			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-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	10 UG/L		UJ	10 UG/L		UR
DIMETHYL PHTHALATE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
FLUORANTHENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
FLUORENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
HEXACHLOROBENZENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
HEXACHLOROBUTADIENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UJ	10 UG/L		UJ	10 UG/L		UR
HEXACHLOROETHANE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
INDENO(1,2,3-CD)PYRENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
ISOPHORONE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
N-NITROSODIPHENYLAMINE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
NAPHTHALENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
NITROBENZENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
P-CHLOROANILINE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
PENTACHLOROPHENOL							50 UG/L		U	50 UG/L		UJ	50 UG/L		UR
PHENANTHRENE							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
PHENOL							10 UG/L		U	10 UG/L		UJ	10 UG/L		UR
PYRENE							10 UG/L		U	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		UJ			
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										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		UJ			
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		UJ			

SAMPLE NUMBER:	062420			066897			066897			066897			066897		
LAB:	IT/RSL			IT			IT			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-FIL			NONE-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															
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		UJ			
TETRACHLOROETHENE										3 UG/L		J			
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:	045557	045692	045137	098902		098902
TASK:	3.7	3.7	3.7	50.03.07		50.03.07
LAB:	IT	IT	WMCO	IT		IT
WELL OR BORING NUMBER:	1167	1167	1167	1167		1167
DEPTH:	-	-	-	-		-
DATE COLLECTED:	05-FEB-90	05-FEB-90	05-MAY-89	12-JUN-92		12-JUN-92
NORTH COORDINATE:	480022.72	480022.72	480022.72	480022.72		480022.72
EAST COORDINATE:	1380741.19	1380741.19	1380741.19	1380741.19		1380741.19
QA TYPE:	DUPLICATE	NORMAL	NORMAL	NORMAL		NORMAL
QC OF:	045692					
SUFFIX/FILTERFLAG:	NONE-UNF	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															
NITRATE	.15 MG/L		-	.1 MG/L		U									
INORGANICS															
ALUMINUM										.0782 MG/L		-			
ARSENIC										.002 MG/L		U			
BARIUM										.0306 MG/L		-			
CADMIUM										.005 MG/L		U			
CALCIUM										24.5 MG/L		-			
CHROMIUM										.01 MG/L		U			
COPPER										.01 MG/L		U			
IRON										.082 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										3.43 MG/L		-			
MANGANESE										.0474 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										4.99 MG/L		-			
SELENIUM										.003 MG/L		U			
SILICON										3.58 MG/L		-			
SILVER										.01 MG/L		UJ			
SODIUM										112 MG/L		-			
VANADIUM										.01 MG/L		U			
RADIONUCLIDES															
URANIUM-238							5.3 PCI/L		NV				228 PCI/L	31	
URANIUM, TOTAL							16 UG/L		NV				754 UG/L	107	
URANIUM-234							5 PCI/L		NV				240 PCI/L	32	
THORIUM-230													1.09 PCI/L	.51	
RADIUM-226													1 PCI/L		UJ

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SAMPLE NUMBER:	045557			045692			045137			098902			098902		
LAB:	IT			IT			WMCO			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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)
RADIONUCLIDES															
URANIUM-235/236													21.4 PCI/L	4.4	J
THORIUM-232													.4 PCI/L		UJ
THORIUM, TOTAL													1.34 UG/L	2.01	-
RADIUM-228													3 PCI/L		UJ
THORIUM-228													.7 PCI/L		UJ
NEPTUNIUM-237													1.97 PCI/L	.675	J
PLUTONIUM-239/240													.506 PCI/L	.368	J
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													1 PCI/L		UJ
TECHNETIUM-99													13 PCI/L		R
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													16 PCI/L		UJ
GROSS ALPHA													590 PCI/L	67	NV
GROSS BETA													93.2 PCI/L	10.9	NV
URANIUM-235							.26 PCI/L		NV				21.4 PCI/L	4.4	J
URANIUM-236							.051 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098902			098903			045555			045556			098997		
TASK:	50.03.07			50.03.07			3.7			3.7			50.03.07		
LAB:	IT			WEMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1167			1167			1167			1167			1167		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-JUN-92			12-JUN-92			18-OCT-89			18-OCT-89			20-OCT-92		
NORTH COORDINATE:	480022.72			480022.72			480022.72			480022.72			480022.72		
EAST COORDINATE:	1380741.19			1380741.19			1380741.19			1380741.19			1380741.19		
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	98.5 MG/L		NV												
FLUORIDE	2.06 MG/L		NV												
NITRATE	.1 MG/L		UNV							.1 MG/L		U			
PHENOLS	.01 MG/L		UNV												
PHOSPHORUS	.388 MG/L		NV												
SULFATE	242.4 MG/L		NV												
SULFIDE	.5 MG/L		UNV												
TOTAL ORGANIC CARBON	2.74 MG/L		NV												
TOTAL ORGANIC HALIDES	.046 MG/L		NV												
TOTAL ORGANIC NITROGEN	.37 MG/L		NV												
INORGANICS															
ALUMINUM	.0782 MG/L		-										.856 MG/L		-
ANTIMONY													.0074 MG/L		U
ARSENIC	.002 MG/L		U										.0032 MG/L		J
BARIUM	.0306 MG/L		-										.0311 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM	.005 MG/L		U										.005 MG/L		U
CALCIUM	24.5 MG/L		-										29.4 MG/L		-
CHROMIUM	.01 MG/L		U										.01 MG/L		U
COBALT													.01 MG/L		U
COPPER	.01 MG/L		U										.01 MG/L		U
CYANIDE													.002 MG/L		U
IRON	.082 MG/L		-										1.25 MG/L		-
LEAD	.002 MG/L		U										.0026 MG/L		J
MAGNESIUM	3.43 MG/L		-										4.57 MG/L		-
MANGANESE	.0474 MG/L		-										.0854 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	4.99 MG/L		-										4.48 MG/L		-

SAMPLE NUMBER:	098902			098903			045555			045556			098997		
LAB:	IT			WEMCO			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															
SELENIUM	.003 MG/L		U										.002 MG/L		U
SILICON	3.58 MG/L		-										5.65 MG/L		-
SILVER	.01 MG/L		UJ										.01 MG/L		U
SODIUM	112 MG/L		-										91.1 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM	.01 MG/L		U										.01 MG/L		U
ZINC													.0224 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL				460 UG/L		NV	373 UG/L	52	-						
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		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		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												

SAMPLE NUMBER:	098902			098903			045555			045556			098997		
LAB:	IT			WEMCO			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															
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098997	098997	099008	045150	045694
TASK:	50.03.07	50.03.07	50.03.07	3.7	3.7
LAB:	IT	IT/RSL	WMCO	WMCO	IT
WELL OR BORING NUMBER:	1167	1167	1167	1171	1171
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-OCT-92	20-OCT-92	20-OCT-92	05-MAY-89	08-FEB-90
NORTH COORDINATE:	480022.72	480022.72	480022.72	479941.71	479941.71
EAST COORDINATE:	1380741.19	1380741.19	1380741.19	1382070.58	1382070.58
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	158.5 MG/L		-												
AMMONIA	.1 MG/L		U												
CHLORIDE	82.9 MG/L		-												
FLUORIDE	2.2 MG/L		-												
NITRATE	.104 MG/L		-										.497 MG/L		J
PHENOLS	.01 MG/L		U												
PHOSPHORUS	2.04 MG/L		-												
SULFATE	93 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	2.87 MG/L		-												
TOTAL ORGANIC HALIDES	.0278 MG/L		-												
TOTAL ORGANIC NITROGEN	1.39 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												

SAMPLE NUMBER:	098997			098997			099008			045150			045694		
LAB:	IT			IT/RSL			WMCO			WMCO			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)
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				83.2 PCI/L	12.7	J				4.7 PCI/L		NV			
URANIUM, TOTAL				258 UG/L	35	J	250 UG/L		NV	14 UG/L		NV			
URANIUM-234				86.2 PCI/L	13.2	J				5.3 PCI/L		NV			
THORIUM-230				1.12 PCI/L	.32	J									
URANIUM-235/236				3.35 PCI/L	.88	J									
THORIUM-232				.2 PCI/L		UJ									
THORIUM, TOTAL				1.1 UG/L		UJ									
THORIUM-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		UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				15 PCI/L		UJ									
GROSS ALPHA				144 PCI/L	20	NV									
GROSS BETA				43.1 PCI/L	5.5	NV									
URANIUM-235				3.35 PCI/L	.88	J				.21 PCI/L		NV			
URANIUM-236										.03 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-CHLORONAPHTHALENE	10 UG/L		U												

SAMPLE NUMBER:	098997			098997			099008			045150			045694		
LAB:	IT			IT/RSL			WMCO			WMCO			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)
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		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												
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	11 UG/L		U												
BUTYL BENZYL PHTHALATE	10 UG/L		U												
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		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												

SAMPLE NUMBER:	098997			098997			099008			045150			045694		
LAB:	IT			IT/RSL			WMCO			WMCO			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)
SEMIVOLATILES															
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		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		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	6 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												
XYLENES, TOTAL	5 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045694	118588	118588	118591	118591F
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT/RSL	DATACHEM	DATACHEM	FERMCO	FERMCO
WELL OR BORING NUMBER:	1171	1171	1171	1171	1171
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-FEB-90	11-JUN-93	11-JUN-93	11-JUN-93	11-JUN-93
NORTH COORDINATE:	479941.71	479941.71	479941.71	479941.71	479941.71
EAST COORDINATE:	1382070.58	1382070.58	1382070.58	1382070.58	1382070.58
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							370 MG/L		-						
AMMONIA							.05 MG/L		U						
CHLORIDE							29 MG/L		-						
FLUORIDE							.4 MG/L		-						
NITRATE/NITRITE							.05 MG/L		U						
PHENOLS							.002 MG/L		U						
PHOSPHORUS							.1 MG/L		-						
SULFATE							37 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.02 MG/L		-						
INORGANICS															
ALUMINUM				.06 MG/L		U	30.5 MG/L		-						
ANTIMONY				.0157 MG/L		U	.0157 MG/L		U						
ARSENIC				.002 MG/L		U	.002 MG/L		U						
BARIUM				.0509 MG/L		-	.206 MG/L		-						
BERYLLIUM				.00059 MG/L		U	.0023 MG/L		U						
CADMIUM				.0012 MG/L		U	.0012 MG/L		U						
CALCIUM				124 MG/L		-	196 MG/L		-						
CHROMIUM				.0057 MG/L		U	.0481 MG/L		-						
COBALT				.0034 MG/L		U	.0202 MG/L		U						
COPPER				.0024 MG/L		U	.0507 MG/L		-						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				.0251 MG/L		U	53.5 MG/L		-						
LEAD				.0014 MG/L		-	.0236 MG/L		J						
MAGNESIUM				32.7 MG/L		-	71.2 MG/L		-						
MANGANESE				.0646 MG/L		-	.909 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0084 MG/L		-	.05 MG/L		-						
POTASSIUM				.607 MG/L		-	5.09 MG/L		-						

SAMPLE NUMBER:	045694			118588			118588			118591			118591F		
LAB:	IT/RSL			DATACHEM			DATACHEM			FERMCO			FERMCO		
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															
SELENIUM				.001 MG/L		UJ	.01 MG/L		UJ						
SILVER				.0029 MG/L		UJ	.0033 MG/L		UJ						
SODIUM				14.3 MG/L		-	15.5 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						
VANADIUM				.0038 MG/L		U	.0636 MG/L		-						
ZINC				.004 MG/L		U	.159 MG/L		-						
RADIONUCLIDES															
URANIUM, TOTAL	25 UG/L	4.4	J							10 UG/L		NV	9.2 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		UJ						
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:	045131	045696	118592	118592F	045120
TASK:	3.7	3.7	50.03.23	50.03.23	3.7
LAB:	IT	IT	CORE	CORE	IT
WELL OR BORING NUMBER:	1171	1171	1171	1171	1172
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-APR-89	14-JUL-90	14-JUN-93	15-JUN-93	04-APR-89
NORTH COORDINATE:	479941.71	479941.71	479941.71	479941.71	479911.95
EAST COORDINATE:	1382070.58	1382070.58	1382070.58	1382070.58	1381513.34
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				.15 MG/L		J									
OIL AND GREASE	3.3 MG/L		J												
RADIONUCLIDES															
URANIUM-238							3.3 PCI/L	.9	J	2.3 PCI/L	.4	J			
URANIUM, TOTAL							8.9 UG/L	.6	-	8.3 UG/L	.6	-			
URANIUM-234							3.2 PCI/L	.8	J	2.5 PCI/L	.5	J			
THORIUM-230							.2 PCI/L	.2	UJ	.3 PCI/L	.2	J			
RADIUM-226							1 PCI/L	.4	U	1.7 PCI/L	.5	-			
URANIUM-235/236							.2 PCI/L	.5	UJ	.2 PCI/L	.2	UJ			
THORIUM-232							.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ			
THORIUM, TOTAL							.9120122 PCI/L	.3	NV	1.82401488 PCI/L	.3	NV			
RADIUM-228							3 PCI/L	1.2	U	4.2 PCI/L	2	-			
THORIUM-228							.2 PCI/L	.3	UJ	.2 PCI/L	.9	UJ			
TECHNETIUM-99							32.9 PCI/L	7.4	J	15 PCI/L	8.3	U			
GROSS ALPHA							20.9 PCI/L	4.4	NV	2.9 PCI/L	1.7	UNV			
GROSS BETA							31.9 PCI/L	4.7	NV	7.7 PCI/L	1.9	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													4 UG/L		J
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:	045131			045696			118592			118592F			045120		
LAB:	IT			IT			CORE			CORE			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													15 UG/L		U
BENZENE													4 UG/L		J
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													2 UG/L		J
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													400 UG/L		J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045121			045122			045123			EMGW_SYSGEN_301			EMGW_SYSGEN_301		
TASK:	3.7			3.7			3.7			GWMON			GWMON		
LAB:	IT			WMCO			WMCO			NET			NET		
WELL OR BORING NUMBER:	1172			1172			1172			1172			1172		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-APR-89			04-APR-89			04-APR-89			12-MAR-90			12-MAR-90		
NORTH COORDINATE:	479911.95			479911.95			479911.95			479911.95			479911.95		
EAST COORDINATE:	1381513.34			1381513.34			1381513.34			1381513.34			1381513.34		
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)
INORGANICS															
LEAD				.001 MG/L		UNV	.035 MG/L		NV	.005 MG/L		UNV	.052 MG/L		NV
RADIONUCLIDES															
URANIUM, TOTAL				21000 UG/L		NV	26 UG/L		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		-												
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	10 UG/L		U												
BENZENE	14 UG/L		-										1 UG/L		UNV
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:	045121			045122			045123			EMGW_SYSGEN_301			EMGW_SYSGEN_301		
LAB:	IT			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															
ETHYLBENZENE	38 UG/L		-												
METHYLENE CHLORIDE	5 UG/L		U												
STYRENE	5 UG/L		U												
TETRACHLOROETHENE	5 UG/L		U												
TOLUENE	6 UG/L		-										1 UG/L		UNV
TRANS-1,3-DICHLOROPROPENE	5 UG/L		U												
TRICHLOROETHENE	5 UG/L		U												
VINYL ACETATE	1 UG/L		J												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	300 UG/L		J										1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045274	EMGW_SYSGEN_302	EMGW_SYSGEN_303	045275	045700
TASK:	3.7	GWMON	GWMON	3.7	3.7
LAB:	WMCO	IT	NET	IT	IT
WELL OR BORING NUMBER:	1172	1172	1172	1172	1172
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-JUL-89	25-JUN-90	26-JUN-90	30-JAN-90	30-JUN-90
NORTH COORDINATE:	479911.95	479911.95	479911.95	479911.95	479911.95
EAST COORDINATE:	1381513.34	1381513.34	1381513.34	1381513.34	1381513.34
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															
CHLORIDE							218 MG/L		NV						
NITRATE							.02 MG/L		NV	.33 MG/L		-	.1 MG/L		UJ
NITRATE, AS NITROGEN							.02 MG/L		NV						
SULFATE							49 MG/L		NV						
TOTAL ORGANIC CARBON							8 MG/L		NV						
TOTAL ORGANIC HALOGENS							.047 MG/L		NV						
INORGANICS															
LEAD							.049 MG/L		NV						
RADIONUCLIDES															
URANIUM-238				41.7 PCI/L		NV									
URANIUM, TOTAL	22 PCI/L		NV	125 UG/L		NV				148 UG/L	24	J			
URANIUM-234				27.5 PCI/L		NV									
THORIUM-230				2.1 PCI/L		NV									
RADIUM-226				2.2 PCI/L		NV									
URANIUM-235/236				2.11 PCI/L		NV									
THORIUM-232				1.14 PCI/L		NV									
THORIUM, TOTAL				10.3 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				1.18 PCI/L		NV									
GROSS ALPHA				120 PCI/L		NV									
GROSS BETA				142 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							6.6 UG/L		NV						

SAMPLE NUMBER:	045274			EMGW_SYSGEN_302			EMGW_SYSGEN_303			045275			045700		
LAB:	WMCO			IT			NET			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															
1,1-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 1 WELLS

SAMPLE NUMBER:	045143	045124	EMGW_SYSGEN_304	EMGW_SYSGEN_304	045129
TASK:	3.7	3.7	GWMON	GWMON	3.7
LAB:	WMCO	WMCO	NET	NET	IT
WELL OR BORING NUMBER:	1173	1173	1173	1173	1173
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-MAY-89	13-APR-89	13-MAR-90	13-MAR-90	14-APR-89
NORTH COORDINATE:	479751.25	479751.25	479751.25	479751.25	479751.25
EAST COORDINATE:	1381394.46	1381394.46	1381394.46	1381394.46	1381394.46
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															
OIL AND GREASE													2.8 MG/L		J
INORGANICS															
LEAD							.005 MG/L		UNV	.02 MG/L		NV			
RADIONUCLIDES															
URANIUM-238	130 PCI/L		NV												
URANIUM, TOTAL	395 UG/L		NV	388 UG/L		NV									
URANIUM-234	49 PCI/L		NV												
URANIUM-235	3.3 PCI/L		NV												
URANIUM-236	1 PCI/L		NV												
VOLATILES															
BENZENE										1 UG/L		UNV			
TOLUENE										1 UG/L		UNV			
XYLENES, TOTAL										1 UG/L		UNV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_307	EMGW_SYSGEN_308	098801	098801	098803
TASK:	GWMON	GWMON	50.03.07	50.03.07	50.03.07
LAB:	NET	IT	IT/MWL	IT/MWL	FERMCO
WELL OR BORING NUMBER:	1173	1173	1173	1173	1173
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-MAR-91	21-MAR-91	24-FEB-93	24-FEB-93	24-FEB-93
NORTH COORDINATE:	479751.25	479751.25	479751.25	479751.25	479751.25
EAST COORDINATE:	1381394.46	1381394.46	1381394.46	1381394.46	1381394.46
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	526 MG/L		NV												
AMMONIA	.89 MG/L		NV												
CHLORIDE	90 MG/L		NV												
FLUORIDE	.32 MG/L		NV												
NITRATE, AS NITROGEN	.25 MG/L		NV												
PH	6.94 SU		NV												
PHENOLS	.007 MG/L		NV												
PHOSPHORUS	2.39 MG/L		NV												
SPECIFIC CONDUCTIVITY	1330 UMHOS/CM		NV												
SULFATE	213 MG/L		NV												
TOTAL DISSOLVED SOLIDS	596 MG/L		NV												
TOTAL ORGANIC CARBON	26 MG/L		NV												
TOTAL ORGANIC HALOGENS	.046 MG/L		NV												
INORGANICS															
ALUMINUM	3.72 MG/L		NV				.284 MG/L		U						
ANTIMONY	.025 MG/L		UNV				.005 MG/L		UJ						
ARSENIC	.012 MG/L		NV				.002 MG/L		UJ						
BARIUM	.242 MG/L		NV				.0656 MG/L		-						
BERYLLIUM	.01 MG/L		UNV				.002 MG/L		U						
CADMIUM	.001 MG/L		NV				.005 MG/L		U						
CALCIUM	261 MG/L		NV				143 MG/L		-						
CHROMIUM	.01 MG/L		NV				.01 MG/L		U						
COBALT	.025 MG/L		UNV				.01 MG/L		U						
COPPER	.025 MG/L		UNV				.01 MG/L		U						
CYANIDE	.005 MG/L		UNV												
IRON	3.52 MG/L		NV				.024 MG/L		-						
LEAD	.011 MG/L		NV				.002 MG/L		U						
MAGNESIUM	75 MG/L		NV				50.4 MG/L		-						
MANGANESE	.709 MG/L		NV				.362 MG/L		-						
MERCURY	.0002 MG/L		UNV				.0002 MG/L		U						

SAMPLE NUMBER:	EMGW_SYSGEN_307			EMGW_SYSGEN_308			098801			098801			098803		
LAB:	NET			IT			IT/MWL			IT/MWL			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															
MOLYBDENUM	.025 MG/L		UNV				.02 MG/L		U						
NICKEL	.006 MG/L		NV				.02 MG/L		U						
POTASSIUM	1.19 MG/L		NV				.785 MG/L		-						
SELENIUM	.0025 MG/L		UNV				.002 MG/L		UJ						
SILICON							6.96 MG/L		U						
SILVER	.001 MG/L		UNV				.01 MG/L		U						
SODIUM	101 MG/L		NV				90.3 MG/L		-						
THALLIUM	.01 MG/L		UNV				.002 MG/L		U						
VANADIUM	.05 MG/L		UNV				.01 MG/L		U						
ZINC	.047 MG/L		NV				.005 MG/L		U						
No sort code listed.															
TRANS-1,2-DICHLOROETHENE	1 UG/L		UNV												
RADIONUCLIDES															
URANIUM, TOTAL				232 UG/L		NV							760 UG/L		NV
THORIUM-230				2.1 PCI/L		NV									
RADIUM-226				1 PCI/L		UNV									
THORIUM-232				1.51 PCI/L		NV									
THORIUM, TOTAL				13.6 UG/L		NV									
RADIUM-228				3 PCI/L		UNV									
THORIUM-228				4.09 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				21.5 PCI/L		NV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				6.7 PCI/L		UNV									
GROSS ALPHA				539 PCI/L		NV									
GROSS BETA				1000 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			

SAMPLE NUMBER:	EMGW_SYSGEN_307			EMGW_SYSGEN_308			098801			098801			098803		
LAB:	NET			IT			IT/MWL			IT/MWL			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															
1,2-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	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							10 UG/L		U			
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 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_305			EMGW_SYSGEN_305			EMGW_SYSGEN_306			045704			045705		
TASK:	GWMON			GWMON			GWMON			3.7			3.7		
LAB:	IT			NET			NET			IT			IT		
WELL OR BORING NUMBER:	1173			1173			1173			1173			1173		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JUN-90			25-JUN-90			25-OCT-90			30-JAN-90			30-JUN-90		
NORTH COORDINATE:	479751.25			479751.25			479751.25			479751.25			479751.25		
EAST COORDINATE:	1381394.46			1381394.46			1381394.46			1381394.46			1381394.46		
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															
CHLORIDE				124 MG/L		NV									
NITRATE				.2 MG/L		NV				.11 MG/L		-	.1 MG/L		UJ
NITRATE, AS NITROGEN				.2 MG/L		NV									
SULFATE				139 MG/L		NV									
TOTAL ORGANIC CARBON				10 MG/L		NV									
TOTAL ORGANIC HALOGENS				.047 MG/L		NV									
INORGANICS															
LEAD				.028 MG/L		NV	.021 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	322 PCI/L		NV												
URANIUM, TOTAL	963 UG/L		NV							1210 UG/L	211	J			
URANIUM-234	142 PCI/L		NV												
THORIUM-230	3.08 PCI/L		NV												
RADIUM-226	1.66 PCI/L		NV												
URANIUM-235/236	10.7 PCI/L		NV												
THORIUM-232	4.06 PCI/L		NV												
THORIUM, TOTAL	36.7 UG/L		NV												
RADIUM-228	3 PCI/L		UNV												
THORIUM-228	.83 PCI/L		UNV												
GROSS ALPHA	386 PCI/L		NV												
GROSS BETA	267 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				1.8 UG/L		NV									

SAMPLE NUMBER:	EMGW_SYSGEN_305			EMGW_SYSGEN_305			EMGW_SYSGEN_306			045704			045705		
LAB:	IT			NET			NET			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															
1,1-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	.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 1 WELLS

SAMPLE NUMBER:	045320	045321	118337	118338	118340
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	1177	1177	1177	1177	1177
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-OCT-89	03-OCT-89	21-MAY-93	21-MAY-93	21-MAY-93
NORTH COORDINATE:	480728.72	480728.72	480728.72	480728.72	480728.72
EAST COORDINATE:	1380078.62	1380078.62	1380078.62	1380078.62	1380078.62
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							.05 MG/L		U						
NITRATE				.1 MG/L		U	.59 MG/L		-						
NITRATE/NITRITE							.59 MG/L		-						
PHENOLS							.02 MG/L		U						
PHOSPHORUS							1.8 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.05 MG/L		-						
INORGANICS															
ALUMINUM							14.9 MG/L		-	.0846 MG/L		U			
ANTIMONY							.045 MG/L		UR	.045 MG/L		UR			
ARSENIC							.003 MG/L		J	.001 MG/L		UJ			
BARIUM							.239 MG/L		-	.132 MG/L		-			
BERYLLIUM							.0062 MG/L		U	.0019 MG/L		U			
CADMIUM							.0045 MG/L		U	.003 MG/L		U			
CALCIUM							291 MG/L		-	153 MG/L		-			
CHROMIUM							.0422 MG/L		U	.0088 MG/L		U			
COBALT							.0239 MG/L		-	.006 MG/L		U			
COPPER							.0458 MG/L		-	.004 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							39.2 MG/L		-	1.53 MG/L		-			
LEAD							.0145 MG/L		-	.0011 MG/L		-			
MAGNESIUM							93.1 MG/L		-	47.6 MG/L		-			
MANGANESE							.958 MG/L		-	.298 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0729 MG/L		-	.019 MG/L		U			
POTASSIUM							4.66 MG/L		-	1.24 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILVER							.0043 MG/L		J	.003 MG/L		UJ			
SODIUM							17.2 MG/L		-	18.4 MG/L		-			

SAMPLE NUMBER:	045320			045321			118337			118338			118340		
LAB:	IT			IT			DATACHEM			DATACHEM			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)
INORGANICS															
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.0397 MG/L		-	.0059 MG/L		U			
ZINC							.116 MG/L		-	.006 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	205 UG/L	34	-										56 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						
XYLENES, TOTAL							10 UG/L		U						

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118341			118342			118343			045713			045717		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	FERMCO			CORE			CORE			IT			IT		
WELL OR BORING NUMBER:	1177			1177			1177			1177			1178		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-MAY-93			21-MAY-93			21-MAY-93			24-JAN-90			01-JUN-90		
NORTH COORDINATE:	480728.72			480728.72			480728.72			480728.72			480719.82		
EAST COORDINATE:	1380078.62			1380078.62			1380078.62			1380078.62			1380195.61		
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															
NITRATE										.1 MG/L		U			
RADIONUCLIDES															
URANIUM-238				17.5 PCI/L	1.8	-	15.3 PCI/L	2.2	J						
URANIUM, TOTAL	52 UG/L		NV	46.7 UG/L	3.3	-	77 UG/L	5.4	J	177 UG/L	28	-			
URANIUM-234				16.6 PCI/L	3.4	-	16.9 PCI/L	2	J						
THORIUM-230				.7 PCI/L	.4	-	.4 PCI/L	.3	R						
RADIUM-226				2.4 PCI/L	.4	J	1.8 PCI/L	.4	J						
URANIUM-235/236				1.3 PCI/L	.3	-	.7 PCI/L	.4	J						
THORIUM-232				.3 PCI/L	.3	U	.2 PCI/L	.3	R						
RADIUM-228				3 PCI/L	1.5	U	3 PCI/L	1.1	U						
THORIUM-228				.4 PCI/L	.3	-	.1 PCI/L	.4	R						
TECHNETIUM-99				15 PCI/L	7.1	U	15.4 PCI/L	9.1	UJ						
GROSS ALPHA							68.5 PCI/L	13.8	NV						
GROSS BETA							52.2 PCI/L	14.6	NV						
SEMIVOLATILES															
TRIBUTYL PHOSPHATE													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045378			045379			045380			045381			045718		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1178			1178			1178			1178			1178		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-OCT-89			18-OCT-89			18-OCT-89			18-OCT-89			27-JUL-90		
NORTH COORDINATE:	480719.82			480719.82			480719.82			480719.82			480719.82		
EAST COORDINATE:	1380195.61			1380195.61			1380195.61			1380195.61			1380195.61		
QA TYPE:	NORMAL			NORMAL			DUPLICATE			DUPLICATE			NORMAL		
QC OF:							045378			045379					
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				.45 MG/L		-				.46 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	999 UG/L	146	-				1175 UG/L	172	-				142 UG/L	20	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045719	045377	120352	120352F	120354
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	CORE
WELL OR BORING NUMBER:	1178	1179	1179	1179	1179
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-JUL-90	01-JUN-90	16-JUN-93	16-JUN-93	16-JUN-93
NORTH COORDINATE:	480719.82	480729.83	480729.83	480729.83	480729.83
EAST COORDINATE:	1380195.61	1380238.5	1380238.5	1380238.5	1380238.5
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							420 MG/L		-						
AMMONIA							.1 MG/L		-						
CHLORIDE							55 MG/L		-						
FLUORIDE							.5 MG/L		-						
NITRATE	.39 MG/L		-												
PHENOLS							.002 MG/L		U						
PHOSPHORUS							3.9 MG/L		-						
SULFATE							41 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL KJELDAHL NITROGEN							1.8 MG/L		-						
TOTAL ORGANIC CARBON							4 MG/L		-						
TOTAL ORGANIC HALIDES							.03 MG/L		-						
TOTAL ORGANIC NITROGEN							1.7 MG/L		-						
INORGANICS															
ALUMINUM							45.8 MG/L		-	.06 MG/L		U			
ANTIMONY							.0157 MG/L		U	.0157 MG/L		U			
ARSENIC							.0092 MG/L		-	.002 MG/L		U			
BARIUM							.279 MG/L		-	.0933 MG/L		-			
BERYLLIUM							.0031 MG/L		U	.00067 MG/L		U			
CADMIUM							.0012 MG/L		U	.0012 MG/L		U			
CALCIUM							550 MG/L		-	164 MG/L		-			
CHROMIUM							.126 MG/L		-	.0031 MG/L		U			
COBALT							.0486 MG/L		-	.0034 MG/L		U			
COPPER							.0878 MG/L		-	.0024 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							95.3 MG/L		-	.0267 MG/L		U			
LEAD							.0484 MG/L		J	.001 MG/L		U			
MAGNESIUM							196 MG/L		-	53.2 MG/L		-			
MANGANESE							2.05 MG/L		-	.397 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			

SAMPLE NUMBER:	045719			045377			120352			120352F			120354		
LAB:	IT			IT			DATACHEM			DATACHEM			CORE		
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															
NICKEL							.101 MG/L		-	.007 MG/L		U			
POTASSIUM							14.3 MG/L		-	1.95 MG/L		-			
SELENIUM							.01 MG/L		UJ	.001 MG/L		UJ			
SILVER							.0029 MG/L		UJ	.0029 MG/L		UJ			
SODIUM							20 MG/L		-	14.1 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.0855 MG/L		-	.0029 MG/L		U			
ZINC							.249 MG/L		-	.004 MG/L		U			
RADIONUCLIDES															
URANIUM-238													28.6 PCI/L	4.5	J
URANIUM, TOTAL													89.4 UG/L	6.3	-
URANIUM-234													32.5 PCI/L	5	J
THORIUM-230													.4 PCI/L	.3	J
RADIUM-226													1 PCI/L	.5	U
URANIUM-235/236													.8 PCI/L	.4	J
THORIUM-232													.7 PCI/L	.2	-
THORIUM, TOTAL													1.82404424 PCI/L	.3	NV
RADIUM-228													3 PCI/L	1.6	U
THORIUM-228													.2 PCI/L	.8	UJ
TECHNETIUM-99													38.9 PCI/L	9.1	-
GROSS ALPHA													26.5 PCI/L	3	NV
GROSS BETA													30.9 PCI/L	2.2	NV
SEMIVOLATILES															
TRIBUTYL PHOSPHATE				15 UG/L		U									
VOLATILES															
1,1,1-TRICHLOROETHANE							2 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						

SAMPLE NUMBER:	045719			045377			120352			120352F			120354		
LAB:	IT			IT			DATACHEM			DATACHEM			CORE		
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															
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:	120354			120356			120356F			045374			045375		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	CORE			FERMCO			FERMCO			IT			IT		
WELL OR BORING NUMBER:	1179			1179			1179			1179			1179		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JUN-93			16-JUN-93			16-JUN-93			18-OCT-89			18-OCT-89		
NORTH COORDINATE:	480729.83			480729.83			480729.83			480729.83			480729.83		
EAST COORDINATE:	1380238.5			1380238.5			1380238.5			1380238.5			1380238.5		
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															
NITRATE													.1 MG/L		U
RADIONUCLIDES															
URANIUM-238	54.5 PCI/L	10	-												
URANIUM, TOTAL	129 UG/L	9	-	85 UG/L		NV	85 UG/L		NV	568 UG/L	89	-			
URANIUM-234	59.1 PCI/L	10.8	J												
THORIUM-230	3 PCI/L	.8	J												
RADIUM-226	6.4 PCI/L	.9	J												
URANIUM-235/236	5.8 PCI/L	1.7	-												
THORIUM-232	.7 PCI/L	.2	-												
THORIUM, TOTAL	6.3842464 PCI/L		NV												
RADIUM-228	3 PCI/L	1.4	UJ												
THORIUM-228	.8 PCI/L	1.4	-												
TECHNETIUM-99	38.9 PCI/L	9.1	-												
GROSS ALPHA	110 PCI/L	22.4	NV												
GROSS BETA	41.4 PCI/L	22.6	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045376			046803			046804			046800			046801		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1179			1180			1180			1180			1180		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JAN-90			01-JUN-90			01-JUN-90			16-FEB-90			30-JUN-90		
NORTH COORDINATE:	480729.83			480728.25			480728.25			480728.25			480728.25		
EAST COORDINATE:	1380238.5			1380268.21			1380268.21			1380268.21			1380268.21		
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							.79 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	307 UG/L	55	J							11100 UG/L	1600	-	3600 UG/L	497	-
SEMIVOLATILES															
TRIBUTYL PHOSPHATE				450 UG/L		J	410 UG/L		J						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046802			045568			045217			045218			045567		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			WMCO			IT			IT		
WELL OR BORING NUMBER:	1180			1181			1181			1181			1181		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUN-90			16-FEB-90			19-JUL-89			19-OCT-89			19-OCT-89		
NORTH COORDINATE:	480728.25			480741.91			480741.91			480741.91			480741.91		
EAST COORDINATE:	1380268.21			1380299.96			1380299.96			1380299.96			1380299.96		
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	.21 MG/L		J	.1 MG/L		UJ							.1 MG/L		UR
RADIONUCLIDES															
URANIUM, TOTAL							150 UG/L		NV	184 UG/L	28	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	EMGW_SYSGEN_310	046644	046645	046647	046647
TASK:	GWMON	3.7	3.7	3.7	3.7
LAB:	NET	IT	IT	IT	IT
WELL OR BORING NUMBER:	1181	1182	1182	1182	1182
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-OCT-90	01-NOV-89	01-NOV-89	06-JUN-90	06-JUN-90
NORTH COORDINATE:	480741.91	480705.07	480705.07	480705.07	480705.07
EAST COORDINATE:	1380299.96	1380322.72	1380322.72	1380322.72	1380322.72
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															
NITRATE							.1 MG/L		U						
INORGANICS															
ALUMINUM										.182 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0636 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.0045 MG/L		J			
CALCIUM										88.4 MG/L		-			
CHROMIUM										.0575 MG/L		-			
COBALT										.01 MG/L		U			
COPPER										.0134 MG/L		-			
CYANIDE													.002 MG/L		UJ
IRON										1.5 MG/L		-			
LEAD	.142 MG/L		NV							.0024 MG/L		-			
MAGNESIUM										23.8 MG/L		-			
MANGANESE										.396 MG/L		-			
MERCURY										.00027 MG/L		-			
NICKEL										.02 MG/L		U			
POTASSIUM										1.14 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.0274 MG/L		-			
SODIUM										12.2 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.0234 MG/L		-			
ZINC										.0154 MG/L		U			
PESTICIDES															
4,4'-DDD													.1 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_310			046644			046645			046647			046647		
LAB:	NET			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)
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				9747 UG/L	1284	-									
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE													10 UG/L		UR
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		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		UR
2,6-DINITROTOLUENE													10 UG/L		UR
2-CHLORONAPHTHALENE													10 UG/L		UR
2-CHLOROPHENOL													10 UG/L		UR
2-METHYLNAPHTHALENE													10 UG/L		UR

SAMPLE NUMBER:	EMGW_SYSGEN_310			046644			046645			046647			046647		
LAB:	NET			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															
2-METHYLPHENOL													10 UG/L		UR
2-NITROANILINE													50 UG/L		UR
2-NITROPHENOL													10 UG/L		UR
3,3'-DICHLOROBENZIDINE													20 UG/L		UR
3-NITROANILINE													50 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL													50 UG/L		UR
4-BROMOPHENYL PHENYL ETHER													10 UG/L		UR
4-CHLORO-3-METHYLPHENOL													10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER													10 UG/L		UR
4-METHYLPHENOL													10 UG/L		UR
4-NITROANILINE													50 UG/L		UR
4-NITROPHENOL													50 UG/L		UR
ACENAPHTHENE													10 UG/L		UR
ACENAPHTHYLENE													10 UG/L		UR
ANTHRACENE													10 UG/L		UR
BENZO(A)ANTHRACENE													10 UG/L		UR
BENZO(A)PYRENE													10 UG/L		UR
BENZO(B)FLUORANTHENE													10 UG/L		UR
BENZO(G,H,I)PERYLENE													10 UG/L		UR
BENZO(K)FLUORANTHENE													10 UG/L		UR
BENZOIC ACID													50 UG/L		UR
BENZYL ALCOHOL													10 UG/L		UR
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		UR
BIS(2-CHLOROETHYL)ETHER													10 UG/L		UR
BIS(2-CHLOROISOPROPYL) ETHER													10 UG/L		UR
BIS(2-ETHYLHEXYL)PHTHALATE													10 UG/L		UR
BUTYL BENZYL PHTHALATE													10 UG/L		UR
CHRYSENE													10 UG/L		UR
DI-N-BUTYL PHTHALATE													10 UG/L		UR
DI-N-OCTYL PHTHALATE													10 UG/L		UR
DIBENZO(A,H)ANTHRACENE													10 UG/L		UR
DIBENZOFURAN													10 UG/L		UR
DIETHYL PHTHALATE													10 UG/L		UR
DIMETHYL PHTHALATE													10 UG/L		UR
FLUORANTHENE													10 UG/L		UR
FLUORENE													10 UG/L		UR
HEXACHLOROBENZENE													10 UG/L		UR
HEXACHLOROBUTADIENE													10 UG/L		UR
HEXACHLOROCYCLOPENTADIENE													10 UG/L		UR
HEXACHLOROETHANE													10 UG/L		UR
INDENO(1,2,3-CD)PYRENE													10 UG/L		UR
ISOPHORONE													10 UG/L		UR
N-NITROSO-DI-N-PROPYLAMINE													10 UG/L		UR
N-NITROSODIPHENYLAMINE													10 UG/L		UR
NAPHTHALENE													10 UG/L		UR
NITROBENZENE													10 UG/L		UR

SAMPLE NUMBER:	EMGW_SYSGEN_310			046644			046645			046647			046647		
LAB:	NET			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															
P-CHLOROANILINE													10 UG/L		UR
PENTACHLOROPHENOL													50 UG/L		UR
PHENANTHRENE													10 UG/L		UR
PHENOL													10 UG/L		UR
PYRENE													10 UG/L		UR
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
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		UNV										5 UG/L		U
BROMODICHLOROMETHANE													5 UG/L		U
BROMOFORM													5 UG/L		U
BROMOMETHANE													10 UG/L		U
CARBON DISULFIDE													2 UG/L		J
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		UNV										5 UG/L		U
METHYLENE CHLORIDE													8 UG/L		U
STYRENE													5 UG/L		U
TETRACHLOROETHENE													5 UG/L		U
TOLUENE	.5 UG/L		UNV										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	1 UG/L		UNV										5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046647	120347	120347F	120350	120350F
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	DATACHEM	DATACHEM	FERMCO	FERMCO
WELL OR BORING NUMBER:	1182	1182	1182	1182	1182
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JUN-90	16-JUN-93	16-JUN-93	16-JUN-93	16-JUN-93
NORTH COORDINATE:	480705.07	480705.07	480705.07	480705.07	480705.07
EAST COORDINATE:	1380322.72	1380322.72	1380322.72	1380322.72	1380322.72
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				94 MG/L		-									
AMMONIA				.2 MG/L		-									
CHLORIDE				15 MG/L		-									
FLUORIDE				1 MG/L		-									
NITRATE				.05 MG/L		U									
PHENOLS				.002 MG/L		U									
PHOSPHORUS				6.5 MG/L		-									
SULFATE				63 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				3 MG/L		-									
TOTAL ORGANIC HALIDES				.02 MG/L		-									
INORGANICS															
ALUMINUM				80.5 MG/L		-	.0944 MG/L		-						
ANTIMONY				.0157 MG/L		U	.0157 MG/L		U						
ARSENIC				.0027 MG/L		-	.002 MG/L		U						
BARIUM				.48 MG/L		-	.025 MG/L		-						
BERYLLIUM				.005 MG/L		U	.00081 MG/L		U						
CADMIUM				.0012 MG/L		U	.0012 MG/L		U						
CALCIUM				455 MG/L		-	45.1 MG/L		-						
CHROMIUM				.312 MG/L		-	.0031 MG/L		U						
COBALT				.0834 MG/L		-	.0034 MG/L		U						
COPPER				.137 MG/L		-	.0024 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				150 MG/L		-	.0784 MG/L		U						
LEAD				.0969 MG/L		-	.001 MG/L		U						
MAGNESIUM				149 MG/L		-	11 MG/L		-						
MANGANESE				2.99 MG/L		-	.146 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.185 MG/L		-	.0074 MG/L		U						
POTASSIUM				14 MG/L		-	.996 MG/L		U						

SAMPLE NUMBER:	046647			120347			120347F			120350			120350F		
LAB:	IT			DATACHEM			DATACHEM			FERMCO			FERMCO		
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															
SELENIUM				.01 MG/L		UJ	.001 MG/L		UJ						
SILVER				.0029 MG/L		UJ	.0038 MG/L		UJ						
SODIUM				11.2 MG/L		-	9.98 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						
VANADIUM				.149 MG/L		-	.0029 MG/L		U						
ZINC				.423 MG/L		-	.0072 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL										2400 UG/L		NV	920 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		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												

SAMPLE NUMBER:	046647			120347			120347F			120350			120350F		
LAB:	IT			DATACHEM			DATACHEM			FERMCO			FERMCO		
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)
SEMIVOLATILES															
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												
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	.002 MG/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									
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									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046647			120347			120347F			120350			120350F		
LAB:	IT			DATACHEM			DATACHEM			FERMCO			FERMCO		
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															
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 1 WELLS

SAMPLE NUMBER:	120351			120351			046646			046650			046651		
TASK:	50.03.23			50.03.23			3.7			3.7			3.7		
LAB:	CORE			CORE			IT			IT			IT		
WELL OR BORING NUMBER:	1182			1182			1182			1183			1183		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JUN-93			16-JUN-93			24-JAN-90			01-NOV-89			01-NOV-89		
NORTH COORDINATE:	480705.07			480705.07			480705.07			480704.01			480704.01		
EAST COORDINATE:	1380322.72			1380322.72			1380322.72			1380355.3			1380355.3		
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															
NITRATE							.1 MG/L		U				2.65 MG/L		-
RADIONUCLIDES															
URANIUM-238	713 PCI/L	115	J	768 PCI/L	194	-									
URANIUM, TOTAL	2090 UG/L	146	-	966 UG/L	67.6	-	9820 UG/L	1380	-	8632 UG/L	1157	-			
URANIUM-234	759 PCI/L	122	J	782 PCI/L	197	J									
THORIUM-230	.4 PCI/L	.3	J	3.9 PCI/L	1	J									
RADIUM-226	16.6 PCI/L	1.6	-	1 PCI/L	.2	UJ									
URANIUM-235/236	38.8 PCI/L	13.3	J	43.6 PCI/L	19.7	-									
THORIUM-232	.6 PCI/L	.2	-	.6 PCI/L	.2	-									
THORIUM, TOTAL				5.47226664 PCI/L	.2	NV									
RADIUM-228	4.1 PCI/L	1.2	-	3 PCI/L	1.1	UJ									
THORIUM-228	.2 PCI/L	2.6	U	.6 PCI/L	1.4	-									
TECHNETIUM-99	20.2 PCI/L	8.8	-	20.2 PCI/L	8.8	-									
GROSS ALPHA	1250 PCI/L	72.4	NV	889 PCI/L	49.5	NV									
GROSS BETA	1080 PCI/L	40.1	NV	384 PCI/L	22.9	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046653			046653			046653			046653			046654		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1183			1183			1183			1183			1183		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-JUN-90			06-JUN-90			06-JUN-90			06-JUN-90			06-JUN-90		
NORTH COORDINATE:	480704.01			480704.01			480704.01			480704.01			480704.01		
EAST COORDINATE:	1380355.3			1380355.3			1380355.3			1380355.3			1380355.3		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													046653		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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															
ALUMINUM	.112 MG/L		-										.118 MG/L		-
ANTIMONY	.03 MG/L		U										.03 MG/L		U
ARSENIC	.002 MG/L		U										.002 MG/L		U
BARIUM	.0486 MG/L		-										.0473 MG/L		-
BERYLLIUM	.002 MG/L		U										.002 MG/L		U
CADMIUM	.0036 MG/L		J										.004 MG/L		J
CALCIUM	72.3 MG/L		-										73.5 MG/L		-
CHROMIUM	.0382 MG/L		J										.0418 MG/L		-
COBALT	.01 MG/L		U										.01 MG/L		U
COPPER	.0134 MG/L		-										.0134 MG/L		-
CYANIDE							.002 MG/L		UJ						
IRON	.903 MG/L		-										.916 MG/L		-
LEAD	.002 MG/L		U										.002 MG/L		U
MAGNESIUM	15.2 MG/L		-										15.4 MG/L		-
MANGANESE	.0087 MG/L		-										.0073 MG/L		-
MERCURY	.0018 MG/L		-										.0019 MG/L		-
NICKEL	.02 MG/L		U										.02 MG/L		U
POTASSIUM	3.6 MG/L		-										3.57 MG/L		-
SELENIUM	.002 MG/L		UJ										.002 MG/L		UJ
SILVER	.0184 MG/L		-										.018 MG/L		-
SODIUM	5.46 MG/L		-										5.18 MG/L		-
THALLIUM	.002 MG/L		U										.002 MG/L		U
VANADIUM	.0171 MG/L		-										.0165 MG/L		-
ZINC	.0152 MG/L		U										.0126 MG/L		U
PESTICIDES															
4,4'-DDD				1 UG/L		U	.1 UG/L		UR						
4,4'-DDE				1 UG/L		U	.1 UG/L		UR						
4,4'-DDT				1 UG/L		U	.1 UG/L		UR						
ALDRIN				.5 UG/L		UR	.05 UG/L		UR						
ALPHA-BHC				.5 UG/L		U	.05 UG/L		UR						

SAMPLE NUMBER:	046653			046653			046653			046653			046654		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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)
PESTICIDES															
ALPHA-CHLORDANE				5 UG/L		U	.5 UG/L		UR						
AROCLOR-1016				5 UG/L		U	.5 UG/L		UR						
AROCLOR-1221				5 UG/L		U	.5 UG/L		UR						
AROCLOR-1232				5 UG/L		U	.5 UG/L		UR						
AROCLOR-1242				5 UG/L		U	.5 UG/L		UR						
AROCLOR-1248				5 UG/L		U	.5 UG/L		UR						
AROCLOR-1254				10 UG/L		U	1 UG/L		UR						
AROCLOR-1260				10 UG/L		U	1 UG/L		UR						
BETA-BHC				.5 UG/L		U	.05 UG/L		UR						
DELTA-BHC				.5 UG/L		U	.05 UG/L		UR						
DIELDRIN				1 UG/L		U	.1 UG/L		UR						
ENDOSULFAN II				1 UG/L		U	.1 UG/L		UR						
ENDOSULFAN SULFATE				1 UG/L		U	.1 UG/L		UR						
ENDOSULFAN-I				.5 UG/L		U	.05 UG/L		UR						
ENDRIN				1 UG/L		U	.1 UG/L		UR						
ENDRIN KETONE				1 UG/L		U	.1 UG/L		UR						
GAMMA-BHC (LINDANE)				.5 UG/L		U	.05 UG/L		UR						
GAMMA-CHLORDANE				5 UG/L		U	.5 UG/L		UR						
HEPTACHLOR				.5 UG/L		UR	.05 UG/L		UR						
HEPTACHLOR EPOXIDE				.5 UG/L		U	.05 UG/L		UR						
METHOXYCHLOR				5 UG/L		U	.5 UG/L		UR						
TOXAPHENE				10 UG/L		U	1 UG/L		UR						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		UR	10 UG/L		UJ			
1,2-DICHLOROBENZENE							10 UG/L		UR	10 UG/L		UJ			
1,3-DICHLOROBENZENE							10 UG/L		UR	10 UG/L		UJ			
1,4-DICHLOROBENZENE							10 UG/L		UR	10 UG/L		UJ			
2,4,5-TRICHLOROPHENOL							50 UG/L		UR	50 UG/L		UJ			
2,4,6-TRICHLOROPHENOL							10 UG/L		UR	10 UG/L		UJ			
2,4-DICHLOROPHENOL							10 UG/L		UR	10 UG/L		UJ			
2,4-DIMETHYLPHENOL							10 UG/L		UR	10 UG/L		UJ			
2,4-DINITROPHENOL							50 UG/L		UR	50 UG/L		UJ			
2,4-DINITROTOLUENE							10 UG/L		UR	10 UG/L		UJ			
2,6-DINITROTOLUENE							10 UG/L		UR	10 UG/L		UJ			
2-CHLORONAPHTHALENE							10 UG/L		UR	10 UG/L		UJ			
2-CHLOROPHENOL							10 UG/L		UR	10 UG/L		UJ			
2-METHYLNAPHTHALENE							10 UG/L		UR	10 UG/L		UJ			
2-METHYLPHENOL							10 UG/L		UR	10 UG/L		UJ			
2-NITROANILINE							50 UG/L		UR	50 UG/L		UJ			
2-NITROPHENOL							10 UG/L		UR	10 UG/L		UJ			
3,3'-DICHLOROBENZIDINE							20 UG/L		UR	20 UG/L		UJ			
3-NITROANILINE							50 UG/L		UR	50 UG/L		UJ			
4,6-DINITRO-2-METHYLPHENOL							50 UG/L		UR	50 UG/L		UJ			
4-BROMOPHENYL PHENYL ETHER							10 UG/L		UR	10 UG/L		UJ			
4-CHLORO-3-METHYLPHENOL							10 UG/L		UR	10 UG/L		UJ			

SAMPLE NUMBER:	046653			046653			046653			046653			046654		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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							10 UG/L		UR	10 UG/L		UJ			
4-METHYLPHENOL							10 UG/L		UR	10 UG/L		UJ			
4-NITROANILINE							50 UG/L		UR	50 UG/L		UJ			
4-NITROPHENOL							50 UG/L		UR	50 UG/L		UJ			
ACENAPHTHENE							10 UG/L		UR	10 UG/L		UJ			
ACENAPHTHYLENE							10 UG/L		UR	10 UG/L		UJ			
ANTHRACENE							10 UG/L		UR	10 UG/L		UJ			
BENZO(A)ANTHRACENE							10 UG/L		UR	10 UG/L		UJ			
BENZO(A)PYRENE							10 UG/L		UR	10 UG/L		UJ			
BENZO(B)FLUORANTHENE							10 UG/L		UR	10 UG/L		UJ			
BENZO(G,H,I)PERYLENE							10 UG/L		UR	10 UG/L		UJ			
BENZO(K)FLUORANTHENE							10 UG/L		UR	10 UG/L		UJ			
BENZOIC ACID							50 UG/L		UR	50 UG/L		UJ			
BENZYL ALCOHOL							10 UG/L		UR	10 UG/L		UJ			
BIS(2-CHLOROETHOXY)METHANE							10 UG/L		UR	10 UG/L		UJ			
BIS(2-CHLOROETHYL)ETHER							10 UG/L		UR	10 UG/L		UJ			
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UR	10 UG/L		UJ			
BIS(2-ETHYLHEXYL)PHTHALATE							10 UG/L		UR	10 UG/L		UJ			
BUTYL BENZYL PHTHALATE							10 UG/L		UR	10 UG/L		UJ			
CHRYSENE							10 UG/L		UR	10 UG/L		UJ			
DI-N-BUTYL PHTHALATE							10 UG/L		UR	10 UG/L		UJ			
DI-N-OCTYL PHTHALATE							10 UG/L		UR	10 UG/L		UJ			
DIBENZO(A,H)ANTHRACENE							10 UG/L		UR	10 UG/L		UJ			
DIBENZOFURAN							10 UG/L		UR	10 UG/L		UJ			
DIETHYL PHTHALATE							10 UG/L		UR	10 UG/L		UJ			
DIMETHYL PHTHALATE							10 UG/L		UR	10 UG/L		UJ			
FLUORANTHENE							10 UG/L		UR	10 UG/L		UJ			
FLUORENE							10 UG/L		UR	10 UG/L		UJ			
HEXACHLOROBENZENE							10 UG/L		UR	10 UG/L		UJ			
HEXACHLOROBUTADIENE							10 UG/L		UR	10 UG/L		UJ			
HEXACHLOROCYCLOPENTADIENE							10 UG/L		UR	10 UG/L		UJ			
HEXACHLOROETHANE							10 UG/L		UR	10 UG/L		UJ			
INDENO(1,2,3-CD)PYRENE							10 UG/L		UR	10 UG/L		UJ			
ISOPHORONE							10 UG/L		UR	10 UG/L		UJ			
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		UR	10 UG/L		UJ			
N-NITROSODIPHENYLAMINE							10 UG/L		UR	10 UG/L		UJ			
NAPHTHALENE							10 UG/L		UR	10 UG/L		UJ			
NITROBENZENE							10 UG/L		UR	10 UG/L		UJ			
P-CHLOROANILINE							10 UG/L		UR	10 UG/L		UJ			
PENTACHLOROPHENOL							50 UG/L		UR	50 UG/L		UJ			
PHENANTHRENE							10 UG/L		UR	10 UG/L		UJ			
PHENOL							10 UG/L		UR	10 UG/L		UJ			
PYRENE							10 UG/L		UR	10 UG/L		UJ			
VOLATILES															

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SAMPLE NUMBER:	046653			046653			046653			046653			046654		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-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)
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		UR						
BENZENE							5 UG/L		U						
BROMODICHLOROMETHANE							5 UG/L		U						
BROMOFORM							5 UG/L		U						
BROMOMETHANE							10 UG/L		U						
CARBON DISULFIDE							3 UG/L		J						
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							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						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046654			046654			046654			046652			EMGW_SYSGEN_311		
TASK:	3.7			3.7			3.7			3.7			GWMON		
LAB:	IT			IT			IT			IT			NET		
WELL OR BORING NUMBER:	1183			1183			1183			1183			1183		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	06-JUN-90			06-JUN-90			06-JUN-90			24-JAN-90			29-OCT-90		
NORTH COORDINATE:	480704.01			480704.01			480704.01			480704.01			480704.01		
EAST COORDINATE:	1380355.3			1380355.3			1380355.3			1380355.3			1380355.3		
QA TYPE:	DUPLICATE			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:	046653			046653			046653								
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															
NITRATE										1.27 MG/L		-			
INORGANICS															
CYANIDE				.002 MG/L		UJ									
LEAD													.138 MG/L		NV
PESTICIDES															
4,4'-DDD	1 UG/L		U	.1 UG/L		UR									
4,4'-DDE	1 UG/L		U	.1 UG/L		UR									
4,4'-DDT	1 UG/L		U	.1 UG/L		UR									
ALDRIN	.5 UG/L		UR	.05 UG/L		UR									
ALPHA-BHC	.5 UG/L		U	.05 UG/L		UR									
ALPHA-CHLORDANE	5 UG/L		U	.5 UG/L		UR									
AROCLOR-1016	5 UG/L		U	.5 UG/L		UR									
AROCLOR-1221	5 UG/L		U	.5 UG/L		UR									
AROCLOR-1232	5 UG/L		U	.5 UG/L		UR									
AROCLOR-1242	5 UG/L		U	.5 UG/L		UR									
AROCLOR-1248	5 UG/L		U	.5 UG/L		UR									
AROCLOR-1254	10 UG/L		U	1 UG/L		UR									
AROCLOR-1260	10 UG/L		U	1 UG/L		UR									
BETA-BHC	.5 UG/L		U	.05 UG/L		UR									
DELTA-BHC	.5 UG/L		U	.05 UG/L		UR									
DIELDRIN	1 UG/L		U	.1 UG/L		UR									
ENDOSULFAN II	1 UG/L		U	.1 UG/L		UR									
ENDOSULFAN SULFATE	1 UG/L		U	.1 UG/L		UR									
ENDOSULFAN-I	.5 UG/L		U	.05 UG/L		UR									
ENDRIN	1 UG/L		U	.1 UG/L		UR									
ENDRIN KETONE	1 UG/L		U	.1 UG/L		UR									
GAMMA-BHC (LINDANE)	.5 UG/L		U	.05 UG/L		UR									
GAMMA-CHLORDANE	5 UG/L		U	.5 UG/L		UR									

SAMPLE NUMBER:	046654			046654			046654			046652			EMGW_SYSGEN_311		
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															
HEPTACHLOR	.5 UG/L		UR	.05 UG/L		UR									
HEPTACHLOR EPOXIDE	.5 UG/L		U	.05 UG/L		UR									
METHOXYCHLOR	5 UG/L		U	.5 UG/L		UR									
TOXAPHENE	10 UG/L		U	1 UG/L		UR									
RADIONUCLIDES															
URANIUM, TOTAL										4800 UG/L	700	-			
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE				10 UG/L		UR	10 UG/L		UJ						
1,2-DICHLOROBENZENE				10 UG/L		UR	10 UG/L		UJ						
1,3-DICHLOROBENZENE				10 UG/L		UR	10 UG/L		UJ						
1,4-DICHLOROBENZENE				10 UG/L		UR	10 UG/L		UJ						
2,4,5-TRICHLOROPHENOL				50 UG/L		UR	50 UG/L		UJ						
2,4,6-TRICHLOROPHENOL				10 UG/L		UR	10 UG/L		UJ						
2,4-DICHLOROPHENOL				10 UG/L		UR	10 UG/L		UJ						
2,4-DIMETHYLPHENOL				10 UG/L		UR	10 UG/L		UJ						
2,4-DINITROPHENOL				50 UG/L		UR	50 UG/L		UJ						
2,4-DINITROTOLUENE				10 UG/L		UR	10 UG/L		UJ						
2,6-DINITROTOLUENE				10 UG/L		UR	10 UG/L		UJ						
2-CHLORONAPHTHALENE				10 UG/L		UR	10 UG/L		UJ						
2-CHLOROPHENOL				10 UG/L		UR	10 UG/L		UJ						
2-METHYLNAPHTHALENE				10 UG/L		UR	10 UG/L		UJ						
2-METHYLPHENOL				10 UG/L		UR	10 UG/L		UJ						
2-NITROANILINE				50 UG/L		UR	50 UG/L		UJ						
2-NITROPHENOL				10 UG/L		UR	10 UG/L		UJ						
3,3'-DICHLOROBENZIDINE				20 UG/L		UR	20 UG/L		UJ						
3-NITROANILINE				50 UG/L		UR	50 UG/L		UJ						
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		UR	50 UG/L		UJ						
4-BROMOPHENYL PHENYL ETHER				10 UG/L		UR	10 UG/L		UJ						
4-CHLORO-3-METHYLPHENOL				10 UG/L		UR	10 UG/L		UJ						
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		UR	10 UG/L		UJ						
4-METHYLPHENOL				10 UG/L		UR	10 UG/L		UJ						
4-NITROANILINE				50 UG/L		UR	50 UG/L		UJ						
4-NITROPHENOL				50 UG/L		UR	50 UG/L		UJ						
ACENAPHTHENE				10 UG/L		UR	10 UG/L		UJ						
ACENAPHTHYLENE				10 UG/L		UR	10 UG/L		UJ						
ANTHRACENE				10 UG/L		UR	10 UG/L		UJ						
BENZO(A)ANTHRACENE				10 UG/L		UR	10 UG/L		UJ						
BENZO(A)PYRENE				10 UG/L		UR	10 UG/L		UJ						
BENZO(B)FLUORANTHENE				10 UG/L		UR	10 UG/L		UJ						
BENZO(G,H,I)PERYLENE				10 UG/L		UR	10 UG/L		UJ						
BENZO(K)FLUORANTHENE				10 UG/L		UR	10 UG/L		UJ						
BENZOIC ACID				50 UG/L		UR	50 UG/L		UJ						
BENZYL ALCOHOL				10 UG/L		UR	10 UG/L		UJ						

SAMPLE NUMBER:	046654			046654			046654			046652			EMGW_SYSGEN_311		
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															
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		UR	10 UG/L		UJ						
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UR	10 UG/L		UJ						
BIS(2-CHLOROISOPROPYL) ETHER				10 UG/L		UR	10 UG/L		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		UR	10 UG/L		UJ						
BUTYL BENZYL PHTHALATE				10 UG/L		UR	10 UG/L		UJ						
CHRYSENE				10 UG/L		UR	10 UG/L		UJ						
DI-N-BUTYL PHTHALATE				10 UG/L		UR	10 UG/L		UJ						
DI-N-OCTYL PHTHALATE				10 UG/L		UR	10 UG/L		UJ						
DIBENZO(A,H)ANTHRACENE				10 UG/L		UR	10 UG/L		UJ						
DIBENZOFURAN				10 UG/L		UR	10 UG/L		UJ						
DIETHYL PHTHALATE				10 UG/L		UR	10 UG/L		UJ						
DIMETHYL PHTHALATE				10 UG/L		UR	10 UG/L		UJ						
FLUORANTHENE				10 UG/L		UR	10 UG/L		UJ						
FLUORENE				10 UG/L		UR	10 UG/L		UJ						
HEXACHLOROBENZENE				10 UG/L		UR	10 UG/L		UJ						
HEXACHLOROBUTADIENE				10 UG/L		UR	10 UG/L		UJ						
HEXACHLOROCYCLOPENTADIENE				10 UG/L		UR	10 UG/L		UJ						
HEXACHLOROETHANE				10 UG/L		UR	10 UG/L		UJ						
INDENO(1,2,3-CD)PYRENE				10 UG/L		UR	10 UG/L		UJ						
ISOPHORONE				10 UG/L		UR	10 UG/L		UJ						
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		UR	10 UG/L		UJ						
N-NITROSODIPHENYLAMINE				10 UG/L		UR	10 UG/L		UJ						
NAPHTHALENE				10 UG/L		UR	10 UG/L		UJ						
NITROBENZENE				10 UG/L		UR	10 UG/L		UJ						
P-CHLOROANILINE				10 UG/L		UR	10 UG/L		UJ						
PENTACHLOROPHENOL				50 UG/L		UR	50 UG/L		UJ						
PHENANTHRENE				10 UG/L		UR	10 UG/L		UJ						
PHENOL				10 UG/L		UR	10 UG/L		UJ						
PYRENE				10 UG/L		UR	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		U									
4-METHYL-2-PENTANONE				2 UG/L		J									
ACETONE				10 UG/L		U									
BENZENE				5 UG/L		U							.5 UG/L		UNV
BROMODICHLOROMETHANE				5 UG/L		U									

001795

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SAMPLE NUMBER:	046654			046654			046654			046652			EMGW_SYSGEN_311		
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															
BROMOFORM				5 UG/L		U									
BROMOMETHANE				10 UG/L		U									
CARBON DISULFIDE				2 UG/L		J									
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							.5 UG/L		UNV
METHYLENE CHLORIDE				5 UG/L		U									
STYRENE				5 UG/L		U									
TETRACHLOROETHENE				5 UG/L		U									
TOLUENE				5 UG/L		U							.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		U							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046656			046657			046658			045572			120361		
TASK:	3.7			3.7			3.7			3.7			50.03.23		
LAB:	IT			IT			IT			IT			FERMCO		
WELL OR BORING NUMBER:	1185			1185			1185			1186			1186		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-NOV-89			01-NOV-89			16-FEB-90			01-FEB-90			18-JUN-93		
NORTH COORDINATE:	480688.28			480688.28			480688.28			480701.93			480701.93		
EAST COORDINATE:	1380471.8			1380471.8			1380471.8			1380533.38			1380533.38		
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															
NITRATE				6.44 MG/L		-	1.07 MG/L		-	24.95 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	1020 UG/L	144	-				1420 UG/L	220	-				28000 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045269	045270	045571	066907	120241
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	WMCO	IT	IT	IT	CORE
WELL OR BORING NUMBER:	1186	1186	1186	1186	1186
DEPTH:	-	-	-	-16	-
DATE COLLECTED:	19-JUL-89	19-OCT-89	19-OCT-89	25-JUL-90	25-JUN-93
NORTH COORDINATE:	480701.93	480701.93	480701.93	480701.93	480701.93
EAST COORDINATE:	1380533.38	1380533.38	1380533.38	1380533.38	1380533.38
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															
NITRATE							29.5 MG/L		J						
INORGANICS															
ALUMINUM										1.25 MG/L		J			
ANTIMONY										.0572 MG/L		-			
ARSENIC										.002 MG/L		UJ			
BARIUM										.0639 MG/L		-			
BERYLLIUM										.0097 MG/L		-			
CADMIUM										.011 MG/L		-			
CALCIUM										156 MG/L		-			
CHROMIUM										.324 MG/L		-			
COBALT										.0252 MG/L		-			
COPPER										.0591 MG/L		-			
CYANIDE										.002 MG/L		UJ			
IRON										.129 MG/L		J			
LEAD										.002 MG/L		UJ			
MAGNESIUM										41.1 MG/L		-			
MANGANESE										.147 MG/L		-			
MERCURY										.0002 MG/L		U			
NICKEL										.0509 MG/L		-			
POTASSIUM										1.43 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.127 MG/L		-			
SODIUM										30.6 MG/L		-			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.101 MG/L		-			
ZINC										.013 MG/L		-			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			

SAMPLE NUMBER:	045269			045270			045571			066907			120241		
LAB:	WMCO			IT			IT			IT			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)
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										15965 PCI/L		J	14100 PCI/L	1660	-
URANIUM, TOTAL	48800 UG/L		NV	44900 UG/L	6100	-				47954 UG/L		J	59900 UG/L	4190	-
URANIUM-234										16944 PCI/L		J	14800 PCI/L	1730	-
THORIUM-230										4.01 PCI/L		J	.8 PCI/L	.4	J
RADIUM-226										5.07 PCI/L		J	2.1 PCI/L	.5	J
URANIUM-235/236										1096 PCI/L		J	518 PCI/L	165	-
THORIUM-232										3.73 PCI/L		J	.2 PCI/L	1	U
THORIUM, TOTAL										33.7 UG/L		J	1.82410068 PCI/L	1	NV
RADIUM-228										25.6 PCI/L		J	3 PCI/L	1.2	U
THORIUM-228										3.31 PCI/L		J	.5 PCI/L	1.4	-
NEPTUNIUM-237										1 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
TECHNETIUM-99										710 PCI/L		J	854 PCI/L	49.8	-
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			
GROSS ALPHA													22500 PCI/L	196	NV
GROSS BETA													12500 PCI/L	82.2	NV

SAMPLE NUMBER:	045269			045270			045571			066907			120241		
LAB:	WMCO			IT			IT			IT			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)
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		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			
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		UR			
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			

SAMPLE NUMBER:	045269			045270			045571			066907			120241		
LAB:	WMCO			IT			IT			IT			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)
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		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		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										20 UG/L		-			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
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										10 UG/L		U			
2-HEXANONE										10 UG/L		U			
4-METHYL-2-PENTANONE										2 UG/L		J			
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			

SAMPLE NUMBER:	045269			045270			045571			066907			120241		
LAB:	WMCO			IT			IT			IT			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															
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			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120243			120243F			120245			120368			120368		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	FERMCO			FERMCO			DATACHEM			TCT			TCT		
WELL OR BORING NUMBER:	1186			1186			1186			1186			1186		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JUN-93			25-JUN-93			25-JUN-93			26-JUN-93			26-JUN-93		
NORTH COORDINATE:	480701.93			480701.93			480701.93			480701.93			480701.93		
EAST COORDINATE:	1380533.38			1380533.38			1380533.38			1380533.38			1380533.38		
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													440 MG/L		-
AMMONIA													.0568 MG/L		-
CHLORIDE													12.2 MG/L		-
FLUORIDE													.2 MG/L		-
NITRATE/NITRITE													8.99 MG/L		-
PHENOLS													.005 MG/L		U
PHOSPHATE													.119 MG/L		R
SULFATE													111 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN													.226 MG/L		-
TOTAL ORGANIC CARBON													2.8 MG/L		J
TOTAL ORGANIC HALIDES													.0115 MG/L		-
TOTAL ORGANIC NITROGEN													.169 MG/L		-
INORGANICS															
ALUMINUM										.0974 MG/L		U	10.8 MG/L		-
ANTIMONY										.014 MG/L		UJ	.014 MG/L		UJ
ARSENIC										.002 MG/L		UJ	.0052 MG/L		J
BARIUM										.0617 MG/L		-	.117 MG/L		-
BERYLLIUM										.005 MG/L		U	.005 MG/L		U
CADMIUM										.005 MG/L		U	.005 MG/L		U
CALCIUM										157 MG/L		-	254 MG/L		-
CHROMIUM										.0413 MG/L		-	.0486 MG/L		-
COBALT										.017 MG/L		U	.017 MG/L		U
COPPER										.0763 MG/L		-	.0743 MG/L		-
CYANIDE										.005 MG/L		U	.005 MG/L		U
IRON										.0447 MG/L		-	18.7 MG/L		-
LEAD										.0013 MG/L		J	.0142 MG/L		J
MAGNESIUM										38.9 MG/L		-	75.9 MG/L		-
MANGANESE										.0257 MG/L		-	.434 MG/L		-
MERCURY										.0001 MG/L		U	.0001 MG/L		U

SAMPLE NUMBER:	120243			120243F			120245			120368			120368		
LAB:	FERMCO			FERMCO			DATACHEM			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		U	.017 MG/L		U
NICKEL										.018 MG/L		U	.0232 MG/L		-
POTASSIUM										2.47 MG/L		-	5.95 MG/L		-
SELENIUM										.005 MG/L		UR	.025 MG/L		UR
SILICON										6.41 MG/L		J	8.9 MG/L		J
SILVER										.001 MG/L		U	.001 MG/L		U
SODIUM										31.7 MG/L		-	29.6 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.0493 MG/L		-	.0524 MG/L		-
ZINC										.0246 MG/L		U	.0596 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	44000 UG/L		NV	44000 UG/L		NV									
VOLATILES															
1,1,1-TRICHLOROETHANE							14 UG/L		-						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							9 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		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						

SAMPLE NUMBER:	120243			120243F			120245			120368			120368		
LAB:	FERMCO			FERMCO			DATACHEM			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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:	045576			045215			045216			045575			045585		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			WMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1187			1187			1187			1187			1187		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-FEB-90			07-JUN-89			19-OCT-89			19-OCT-89			19-OCT-89		
NORTH COORDINATE:	480725.13			480725.13			480725.13			480725.13			480725.13		
EAST COORDINATE:	1380586			1380586			1380586			1380586			1380586		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													045216		
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		UR			
RADIONUCLIDES															
URANIUM, TOTAL				390 PCI/L		NV	453 UG/L	73	-				471 UG/L	73	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045586			046859			046860			046857			046858		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1187			1188			1188			1188			1188		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-OCT-89			11-SEP-90			11-SEP-90			30-JUN-90			30-JUN-90		
NORTH COORDINATE:	480725.13			480641.5			480641.5			480641.5			480641.5		
EAST COORDINATE:	1380586			1380180.94			1380180.94			1380180.94			1380180.94		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	045575														
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		UR				3.91 MG/L		-				5.96 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL				19100 UG/L	2700	-				17400 UG/L	2200	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046853	046854	120369	120369F	120371
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	TCT	TCT	CORE
WELL OR BORING NUMBER:	1189	1189	1189	1189	1189
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-SEP-90	11-SEP-90	28-JUN-93	28-JUN-93	28-JUN-93
NORTH COORDINATE:	480640.16	480640.16	480640.16	480640.16	480640.16
EAST COORDINATE:	1380213.18	1380213.18	1380213.18	1380213.18	1380213.18
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							562 MG/L		-						
AMMONIA							.145 MG/L		-						
CHLORIDE							33.97 MG/L		-						
FLUORIDE							.33 MG/L		-						
NITRATE				14.2 MG/L		-	6.14 MG/L		-						
NITRATE/NITRITE							6.14 MG/L		-						
PHENOLS							.005 MG/L		U						
PHOSPHATE							.709 MG/L		R						
SULFATE							92.7 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL KJELDAHL NITROGEN							.303 MG/L		-						
TOTAL ORGANIC CARBON							9 MG/L		J						
TOTAL ORGANIC HALIDES							.023 MG/L		-						
TOTAL ORGANIC NITROGEN							.158 MG/L		-						
INORGANICS															
ALUMINUM							193 MG/L		-	.162 MG/L		U			
ANTIMONY							.0156 MG/L		J	.014 MG/L		UJ			
ARSENIC							.101 MG/L		J	.002 MG/L		UJ			
BARIUM							2.26 MG/L		-	.0661 MG/L		-			
BERYLLIUM							.0111 MG/L		-	.005 MG/L		U			
CADMIUM							.07 MG/L		-	.005 MG/L		U			
CALCIUM							1640 MG/L		-	179 MG/L		-			
CHROMIUM							.261 MG/L		-	.006 MG/L		UJ			
COBALT							.137 MG/L		-	.017 MG/L		U			
COPPER							.346 MG/L		-	.014 MG/L		-			
CYANIDE							.005 MG/L		U	.005 MG/L		U			
IRON							516 MG/L		J	.0791 MG/L		-			
LEAD							.131 MG/L		J	.001 MG/L		UJ			
MAGNESIUM							654 MG/L		J	54.3 MG/L		-			
MANGANESE							8.04 MG/L		-	.333 MG/L		-			

SAMPLE NUMBER:	046853			046854			120369			120369F			120371		
LAB:	IT			IT			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															
MERCURY							.0001 MG/L		U	.0001 MG/L		U			
MOLYBDENUM							.073 MG/L		-	.017 MG/L		U			
NICKEL							.352 MG/L		-	.018 MG/L		U			
POTASSIUM							45.8 MG/L		-	2.83 MG/L		-			
SELENIUM							.025 MG/L		UR	.005 MG/L		UR			
SILICON							16.2 MG/L		J	7.14 MG/L		J			
SILVER							.001 MG/L		U	.001 MG/L		U			
SODIUM							23.8 MG/L		-	20.4 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.314 MG/L		-	.024 MG/L		U			
ZINC							.877 MG/L		-	.0104 MG/L		U			
RADIONUCLIDES															
URANIUM-238													3770 PCI/L	549	-
URANIUM, TOTAL	8430 UG/L	1160	-										17200 UG/L	1200	-
URANIUM-234													4130 PCI/L	595	-
THORIUM-230													.3 PCI/L	.3	J
RADIUM-226													1.3 PCI/L	.4	J
URANIUM-235/236													202 PCI/L	75.1	-
THORIUM-232													.2 PCI/L	1	U
RADIUM-228													3 PCI/L	1.4	U
THORIUM-228													.2 PCI/L	1.4	U
TECHNETIUM-99													320 PCI/L	22.4	-
GROSS ALPHA													5040 PCI/L	70.2	NV
GROSS BETA													2340 PCI/L	26.2	NV
VOLATILES															
1,1,1-TRICHLOROETHANE							46 UG/L		-						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE							5 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		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						
CARBON DISULFIDE							10 UG/L		U						
CARBON TETRACHLORIDE							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046853			046854			120369			120369F			120371		
LAB:	IT			IT			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															
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:	120371F			120372			120373			120373F			046851		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			3.7		
LAB:	CORE			FERMCO			FERMCO			FERMCO			IT		
WELL OR BORING NUMBER:	1189			1189			1189			1189			1189		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-JUN-93			28-JUN-93			28-JUN-93			28-JUN-93			30-JUN-90		
NORTH COORDINATE:	480640.16			480640.16			480640.16			480640.16			480640.16		
EAST COORDINATE:	1380213.18			1380213.18			1380213.18			1380213.18			1380213.18		
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)
RADIONUCLIDES															
URANIUM-238	2980 PCI/L	563	R												
URANIUM, TOTAL	14700 UG/L	1030	J				9000 UG/L		NV	9000 UG/L		NV	17300 UG/L	2300	-
URANIUM-234	2840 PCI/L	539	R												
THORIUM-230	.3 PCI/L	.2	UJ												
RADIUM-226	1 PCI/L	.2	U												
URANIUM-235/236	250 PCI/L	88	R												
THORIUM-232	.2 PCI/L	.3	UJ												
THORIUM, TOTAL	.9120122 PCI/L	3	NV												
RADIUM-228	4.2 PCI/L	1.4	-												
THORIUM-228	.2 PCI/L	.4	UJ												
TECHNETIUM-99	397 PCI/L	28	J												
GROSS ALPHA	2660 PCI/L	50.5	NV	6200 PCI/L		NV									
GROSS BETA	1850 PCI/L	24.2	NV	1400 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046852			046848			046849			046847			046776		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1189			1190			1190			1190			1193		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUN-90			11-SEP-90			11-SEP-90			30-JUN-90			21-JAN-90		
NORTH COORDINATE:	480640.16			480637.91			480637.91			480637.91			480634.42		
EAST COORDINATE:	1380213.18			1380246.45			1380246.45			1380246.45			1380378.43		
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	32.3 MG/L		J				382 MG/L		-	316 MG/L		J	.1 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				74700 UG/L	10100	-							38.8 UG/L	6.8	J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066903			046777			046778			046740			046742		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1193			1193			1193			1194			1194		
DEPTH:	-12			-			-			-			-		
DATE COLLECTED:	25-JUL-90			31-JUL-90			31-JUL-90			21-JAN-90			31-JUL-90		
NORTH COORDINATE:	480634.42			480634.42			480634.42			480639.27			480639.27		
EAST COORDINATE:	1380378.43			1380378.43			1380378.43			1380420.79			1380420.79		
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	36.1 MG/L		-	.1 MG/L		U
INORGANICS															
ALUMINUM	.0662 MG/L		J												
ANTIMONY	.03 MG/L		U												
ARSENIC	.002 MG/L		UJ												
BARIUM	.119 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.007 MG/L		-												
CALCIUM	161 MG/L		-												
CHROMIUM	.0321 MG/L		-												
COBALT	.01 MG/L		U												
COPPER	.0114 MG/L		-												
CYANIDE	.002 MG/L		UJ												
IRON	.0274 MG/L		J												
LEAD	.002 MG/L		UJ												
MAGNESIUM	52.6 MG/L		-												
MANGANESE	1.27 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.0228 MG/L		-												
POTASSIUM	1.63 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.0207 MG/L		-												
SODIUM	35 MG/L		-												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.015 MG/L		-												
ZINC	.0122 MG/L		-												
PESTICIDES															
4,4'-DDD	.1 UG/L		U												

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SAMPLE NUMBER:	066903			046777			046778			046740			046742		
LAB:	IT			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)
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	332 PCI/L		-												
URANIUM, TOTAL	1006 UG/L		-	1.77 UG/L	.2	J				812 UG/L	111	-			
URANIUM-234	369 PCI/L		-												
THORIUM-230	4.89 PCI/L		J												
RADIUM-226	1 PCI/L		U												
URANIUM-235/236	39.8 PCI/L		-												
THORIUM-232	3.5 PCI/L		J												
THORIUM, TOTAL	32 UG/L		J												
RADIUM-228	3 PCI/L		UJ												
THORIUM-228	4.68 PCI/L		J												
NEPTUNIUM-237	1 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
TECHNETIUM-99	30 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	066903			046777			046778			046740			046742		
LAB:	IT			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															
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		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												
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		UR												
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												

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SAMPLE NUMBER:	066903			046777			046778			046740			046742		
LAB:	IT			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															
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		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		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		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												

SAMPLE NUMBER:	066903			046777			046778			046740			046742		
LAB:	IT			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)
VOLATILES															
CIS-1,3-DICHLOROPROPENE	5 UG/L		U												
DIBROMOCHLOROMETHANE	5 UG/L		U												
ETHYLBENZENE	5 UG/L		U												
METHYLENE CHLORIDE	8 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:	066939	066939	046710	120247	120247F
TASK:	3.7	3.7	3.7	50.03.23	50.03.23
LAB:	IT	IT	IT	TCT	TCT
WELL OR BORING NUMBER:	1195	1195	1195	1195	1195
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-NOV-90	07-NOV-90	21-JAN-90	28-JUN-93	28-JUN-93
NORTH COORDINATE:	480636.53	480636.53	480636.53	480636.53	480636.53
EAST COORDINATE:	1380456.82	1380456.82	1380456.82	1380456.82	1380456.82
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	DUPLICATE	DUPLICATE
QC OF:	066904	066904		120374	120374F
SUFFIX/FILTERFLAG:	NONE-UNF	R-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										408 MG/L		-			
AMMONIA										.0346 MG/L		J			
CHLORIDE										7.83 MG/L		-			
FLUORIDE										.21 MG/L		-			
NITRATE							.1 MG/L		U						
NITRITE, AS NITROGEN										22.2 MG/L		-			
PHENOLS										.005 MG/L		U			
PHOSPHATE										.098 MG/L		R			
SULFATE										109 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN										.5 MG/L		UJ			
TOTAL ORGANIC CARBON										4.8 MG/L		J			
TOTAL ORGANIC HALIDES										.0142 MG/L		-			
TOTAL ORGANIC NITROGEN										.5 MG/L		U			
INORGANICS															
ALUMINUM										3.76 MG/L		-	.13 MG/L		U
ANTIMONY										.014 MG/L		UJ	.014 MG/L		UJ
ARSENIC										.0044 MG/L		J	.0025 MG/L		J
BARIUM										.0913 MG/L		-	.0754 MG/L		-
BERYLLIUM										.005 MG/L		U	.005 MG/L		U
CADMIUM										.005 MG/L		U	.005 MG/L		U
CALCIUM										160 MG/L		-	158 MG/L		-
CHROMIUM										.0117 MG/L		J	.006 MG/L		UJ
COBALT										.017 MG/L		U	.017 MG/L		U
COPPER										.0193 MG/L		-	.0155 MG/L		-
CYANIDE										.005 MG/L		U	.0066 MG/L		-
IRON										3.91 MG/L		-	.0301 MG/L		-
LEAD										.0064 MG/L		J	.0043 MG/L		J
MAGNESIUM										45.9 MG/L		-	44.5 MG/L		-
MANGANESE										.327 MG/L		-	.187 MG/L		-

SAMPLE NUMBER:	066939			066939			046710			120247			120247F		
LAB:	IT			IT			IT			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-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										.0001 MG/L		U	.0001 MG/L		U
MOLYBDENUM										.017 MG/L		U	.017 MG/L		U
NICKEL										.018 MG/L		U	.018 MG/L		U
POTASSIUM										2.72 MG/L		-	1.3 MG/L		-
SELENIUM										.0086 MG/L		R	.0191 MG/L		R
SILICON										7.17 MG/L		J	5.83 MG/L		J
SILVER										.001 MG/L		U	.001 MG/L		UJ
SODIUM										45.9 MG/L		-	49.3 MG/L		-
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.024 MG/L		U	.024 MG/L		U
ZINC										.0398 MG/L		-	.0286 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL							16000 UG/L	2300	-						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UJ	10 UG/L		UR									
1,2-DICHLOROBENZENE	10 UG/L		UJ	10 UG/L		UR									
1,3-DICHLOROBENZENE	10 UG/L		UJ	10 UG/L		UR									
1,4-DICHLOROBENZENE	10 UG/L		UJ	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		UJ	10 UG/L		UR									
2,6-DINITROTOLUENE	10 UG/L		UJ	10 UG/L		UR									
2-CHLORONAPHTHALENE	10 UG/L		UJ	10 UG/L		UR									
2-CHLOROPHENOL	10 UG/L		UR	10 UG/L		UR									
2-METHYLNAPHTHALENE	10 UG/L		UJ	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		UJ	20 UG/L		UR									
3-NITROANILINE	50 UG/L		UJ	50 UG/L		UR									
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		UR	50 UG/L		UR									
4-BROMOPHENYL PHENYL ETHER	10 UG/L		UJ	10 UG/L		UR									
4-CHLORO-3-METHYLPHENOL	10 UG/L		UR	10 UG/L		UR									
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UJ	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		UJ	10 UG/L		UR									
ACENAPHTHYLENE	10 UG/L		UJ	10 UG/L		UR									
ANTHRACENE	10 UG/L		UJ	10 UG/L		UR									

SAMPLE NUMBER:	066939			066939			046710			120247			120247F		
LAB:	IT			IT			IT			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-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															
BENZO(A)ANTHRACENE	10 UG/L		UJ	10 UG/L		UR									
BENZO(A)PYRENE	10 UG/L		UJ	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									
BENZO(K)FLUORANTHENE	10 UG/L		UJ	10 UG/L		UR									
BENZOIC ACID	50 UG/L		UR	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	3 UG/L		J	10 UG/L		UR									
BUTYL BENZYL PHTHALATE	10 UG/L		UJ	10 UG/L		UR									
CHRYSENE	10 UG/L		UJ	10 UG/L		UR									
DI-N-BUTYL PHTHALATE	10 UG/L		UJ	10 UG/L		UR									
DI-N-OCTYL PHTHALATE	10 UG/L		UJ	10 UG/L		UR									
DIBENZO(A,H)ANTHRACENE	10 UG/L		UJ	10 UG/L		UR									
DIBENZOFURAN	10 UG/L		UJ	10 UG/L		UR									
DIETHYL PHTHALATE	25 UG/L		J	10 UG/L		UR									
DIMETHYL PHTHALATE	10 UG/L		UJ	10 UG/L		UR									
FLUORANTHENE	10 UG/L		UJ	10 UG/L		UR									
FLUORENE	10 UG/L		UJ	10 UG/L		UR									
HEXACHLOROBENZENE	10 UG/L		UJ	10 UG/L		UR									
HEXACHLOROBUTADIENE	10 UG/L		UJ	10 UG/L		UR									
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UJ	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		UJ	10 UG/L		UR									
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UJ	10 UG/L		UR									
N-NITROSODIPHENYLAMINE	10 UG/L		UJ	10 UG/L		UR									
NAPHTHALENE	10 UG/L		UJ	10 UG/L		UR									
NITROBENZENE	10 UG/L		UJ	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		UJ	10 UG/L		UR									
PHENOL	10 UG/L		UR	10 UG/L		UR				.005 MG/L		U			
PYRENE	10 UG/L		UJ	10 UG/L		UR									
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										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			

SAMPLE NUMBER:	066939			066939			046710			120247			120247F		
LAB:	IT			IT			IT			TCT			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			R-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-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										49 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:	120248	120248F	120249	120249F	120374
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	CORE	FERMCO	FERMCO	TCT
WELL OR BORING NUMBER:	1195	1195	1195	1195	1195
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUN-93	28-JUN-93	28-JUN-93	28-JUN-93	28-JUN-93
NORTH COORDINATE:	480636.53	480636.53	480636.53	480636.53	480636.53
EAST COORDINATE:	1380456.82	1380456.82	1380456.82	1380456.82	1380456.82
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL
QC OF:	120376	120376F	120378	120378F	
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													424 MG/L		-
AMMONIA													.0498 MG/L		J
CHLORIDE													8.15 MG/L		-
FLUORIDE													.24 MG/L		-
NITRITE, AS NITROGEN													23.5 MG/L		-
PHENOLS													.005 MG/L		U
PHOSPHATE													.381 MG/L		R
SULFATE													113 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN													.3 MG/L		UJ
TOTAL ORGANIC CARBON													5.6 MG/L		J
TOTAL ORGANIC HALIDES													.0342 MG/L		-
TOTAL ORGANIC NITROGEN													.3 MG/L		U
INORGANICS															
ALUMINUM													4.37 MG/L		-
ANTIMONY													.014 MG/L		UJ
ARSENIC													.005 MG/L		J
BARIUM													.0993 MG/L		-
BERYLLIUM													.005 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													174 MG/L		-
CHROMIUM													.0132 MG/L		J
COBALT													.017 MG/L		U
COPPER													.0234 MG/L		-
CYANIDE													.005 MG/L		U
IRON													4.31 MG/L		-
LEAD													.0045 MG/L		J
MAGNESIUM													49.9 MG/L		-
MANGANESE													.376 MG/L		-
MERCURY													.0001 MG/L		U

SAMPLE NUMBER:	120248			120248F			120249			120249F			120374		
LAB:	CORE			CORE			FERMCO			FERMCO			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		U
NICKEL													.018 MG/L		U
POTASSIUM													3.01 MG/L		-
SELENIUM													.005 MG/L		UR
SILICON													8.19 MG/L		J
SILVER													.001 MG/L		U
SODIUM													48.2 MG/L		-
THALLIUM													.001 MG/L		U
VANADIUM													.024 MG/L		U
ZINC													.0383 MG/L		-
RADIONUCLIDES															
URANIUM-238	1740 PCI/L	242	-	2100 PCI/L	219	J									
URANIUM, TOTAL	14300 UG/L	999	-	4390 UG/L	307	-	13000 UG/L		NV	6600 UG/L		NV			
URANIUM-234	1910 PCI/L	260	-	2300 PCI/L	237	J									
THORIUM-230	.6 PCI/L	.4	J	.2 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.4	UJ	1 PCI/L	.2	UJ									
URANIUM-235/236	87.7 PCI/L	35.6	-	136 PCI/L	26.2	J									
THORIUM-232	.2 PCI/L	1	U	.2 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	1.3	U	3 PCI/L	1	UJ									
THORIUM-228	.3 PCI/L	1.4	-	.2 PCI/L	.2	UJ									
TECHNETIUM-99	264 PCI/L	21.1	-	258 PCI/L	19.5	J									
GROSS ALPHA	5780 PCI/L	67.8	NV												
GROSS BETA	1980 PCI/L	22.3	NV												
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													3 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		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
CARBON DISULFIDE													10 UG/L		U
CARBON TETRACHLORIDE													10 UG/L		U
CHLOROBENZENE													10 UG/L		U

SAMPLE NUMBER:	120248			120248F			120249			120249F			120374		
LAB:	CORE			CORE			FERMCO			FERMCO			TCT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		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:	120376	120376F	120378	120378F	046711
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	CORE	CORE	FERMCO	FERMCO	IT
WELL OR BORING NUMBER:	1195	1195	1195	1195	1195
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-JUN-93	28-JUN-93	28-JUN-93	28-JUN-93	31-JUL-90
NORTH COORDINATE:	480636.53	480636.53	480636.53	480636.53	480636.53
EAST COORDINATE:	1380456.82	1380456.82	1380456.82	1380456.82	1380456.82
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	3420 PCI/L	830	R	2370 PCI/L	420	R									
URANIUM, TOTAL	8600 UG/L	602	-	8840 UG/L	619	-	6100 UG/L		NV	6100 UG/L		NV	10200 UG/L	1400	-
URANIUM-234	3910 PCI/L	937	R	2680 PCI/L	468	R									
THORIUM-230	.9 PCI/L	.4	J	.2 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.4	UJ	1 PCI/L	.2	U									
URANIUM-235/236	171 PCI/L	93.9	R	195 PCI/L	65.5	R									
THORIUM-232	3.4 PCI/L	.9	J	.2 PCI/L	.3	UJ									
THORIUM, TOTAL	31.0084716 PCI/L		NV												
RADIUM-228	3 PCI/L	1.1	U	3 PCI/L	1.5	U									
THORIUM-228	3.5 PCI/L	.9	J	.2 PCI/L	.4	UJ									
TECHNETIUM-99	313 PCI/L	23.1	-	431 PCI/L	31.4	J									
GROSS ALPHA	3980 PCI/L	58.3	NV	4100 PCI/L	59.7	NV									
GROSS BETA	1840 PCI/L	22.3	NV	1590 PCI/L	20.8	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046712	066904	046698	062401	062401
TASK:	3.7	3.7	3.7	04.30	04.30
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1195	1195	1196	1196	1196
DEPTH:	-	-13	-	-	-
DATE COLLECTED:	31-JUL-90	31-JUL-90	21-JAN-90	27-OCT-93	27-OCT-93
NORTH COORDINATE:	480636.53	480636.53	480627.89	480627.89	480627.89
EAST COORDINATE:	1380456.82	1380456.82	1380507.31	1380507.31	1380507.31
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	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															
NITRATE	37.2 MG/L		-				24.3 MG/L		-						
INORGANICS															
ALUMINUM				.234 MG/L		-				1.11 MG/L		NV	1.19 MG/L		NV
ANTIMONY				.03 MG/L		U				.005 MG/L		UNV	.005 MG/L		NV
ARSENIC				.002 MG/L		U				.0025 MG/L		UNV	.0025 MG/L		UNV
BARIUM				.112 MG/L		-				.0593 MG/L		NV	.0612 MG/L		NV
BERYLLIUM				.0021 MG/L		-				.002 MG/L		UNV	.002 MG/L		UNV
CADMIUM				.0074 MG/L		-				.005 MG/L		UNV	.005 MG/L		UNV
CALCIUM				163 MG/L		-				134 MG/L		NV	135 MG/L		NV
CHROMIUM				.0719 MG/L		-				.01 MG/L		UNV	.01 MG/L		UNV
COBALT				.01 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV
COPPER				.0196 MG/L		-				.01 MG/L		UNV	.01 MG/L		UNV
CYANIDE				.0047 MG/L		-							.002 MG/L		UNV
IRON				.032 MG/L		-				1.36 MG/L		NV	1.6 MG/L		NV
LEAD				.0022 MG/L		J				.0025 MG/L		UNV	.006 MG/L		NV
MAGNESIUM				45.9 MG/L		-				38.7 MG/L		NV	39.5 MG/L		NV
MANGANESE				.284 MG/L		-				.283 MG/L		NV	.327 MG/L		NV
MERCURY				.0002 MG/L		U				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.02 MG/L		UNV	.02 MG/L		UNV
NICKEL				.0205 MG/L		-				.02 MG/L		UNV	.02 MG/L		UNV
POTASSIUM				1.51 MG/L		-				1.82 MG/L		NV	1.86 MG/L		NV
SELENIUM				.002 MG/L		U				.002 MG/L		UNV	.002 MG/L		UNV
SILICON										6.24 MG/L		NV	6.37 MG/L		NV
SILVER				.0344 MG/L		-				.01 MG/L		UNV	.01 MG/L		UNV
SODIUM				50.8 MG/L		-				29.5 MG/L		NV	29.6 MG/L		NV
THALLIUM				.002 MG/L		U				.002 MG/L		UNV	.002 MG/L		UNV
VANADIUM				.0272 MG/L		-				.01 MG/L		UNV	.01 MG/L		UNV
ZINC				.0109 MG/L		-				.0195 MG/L		NV	.0194 MG/L		NV

PESTICIDES

4,4'-DDD .1 UG/L U .1 UG/L U
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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	046712			066904			046698			062401			062401		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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)
PESTICIDES															
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				2517 PCI/L	398	J							3650 PCI/L	825	J
URANIUM, TOTAL				7579 UG/L	1207	J	14900 UG/L	2090	-				11400 UG/L	1520	J
URANIUM-234				2742 PCI/L	431	R							4110 PCI/L	901	J
THORIUM-230				1 PCI/L		UJ							3.4 PCI/L	1.5	J
RADIUM-226				1 PCI/L		R							1 PCI/L	.08	UJ
URANIUM-235/236				214 PCI/L	52	J							208 PCI/L		UJ
THORIUM-232				1 PCI/L		UJ							1.1 PCI/L		UJ
THORIUM, TOTAL				5.4 UG/L		UJ							10.2 UG/L		UJ
RADIUM-228				3 PCI/L		R							3 PCI/L		UJ
THORIUM-228				1 PCI/L		UJ							1.1 PCI/L		UJ
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ							.87 PCI/L		UJ
PLUTONIUM-238				1 PCI/L		UJ							.5 PCI/L	.398	UJ
STRONTIUM-90				5 PCI/L		UJ							1 PCI/L		UJ

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	046712			066904			046698			062401			062401		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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)
RADIONUCLIDES															
TECHNETIUM-99				379 PCI/L	45	J							138.13 PCI/L	18.85	J
RUTHENIUM-106				150 PCI/L		R							150 PCI/L		UJ
CESIUM-137				20 PCI/L		R							14 PCI/L		UJ
GROSS ALPHA													7820 PCI/L	800	NV
GROSS BETA													2020 PCI/L	200	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				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
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		U
3-NITROANILINE				50 UG/L		U							50 UG/L		U
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		U							50 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		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		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		UJ
BIS(2-CHLOROISOPROPYL)				10 UG/L		UJ							10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046712			066904			046698			062401			062401		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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)
SEMIVOLATILES															
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		UJ							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		UJ							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
TRIBUTYL PHOSPHATE													10 UG/L		U
VOLATILES															
1,1,1-TRICHLOROETHANE				5 UG/L		U							6 UG/L		-
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		U							5 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				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		UJ							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

SAMPLE NUMBER:	046712			066904			046698			062401			062401		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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															
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				110 UG/L		U							5 UG/L		UJ
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:	062402			046699			046700			066905			066905		
TASK:	04.30			3.7			3.7			3.7			3.7		
LAB:	WEMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1196			1196			1196			1196			1196		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-OCT-92			31-JUL-90			31-JUL-90			31-JUL-90			31-JUL-90		
NORTH COORDINATE:	480627.89			480627.89			480627.89			480627.89			480627.89		
EAST COORDINATE:	1380507.31			1380507.31			1380507.31			1380507.31			1380507.31		
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															
NITRATE							10.8 MG/L		-						
INORGANICS															
ALUMINUM										.276 MG/L		-			
ANTIMONY										.03 MG/L		U			
ARSENIC										.002 MG/L		U			
BARIUM										.0877 MG/L		-			
BERYLLIUM										.0025 MG/L		-			
CADMIUM										.0063 MG/L		-			
CALCIUM										135 MG/L		-			
CHROMIUM										.0812 MG/L		-			
COBALT										.01 MG/L		U			
COPPER										.0184 MG/L		-			
CYANIDE													.002 MG/L		UJ
IRON										.0384 MG/L		-			
LEAD										.002 MG/L		U			
MAGNESIUM										36.5 MG/L		-			
MANGANESE										.224 MG/L		-			
MERCURY										.0002 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										1.51 MG/L		-			
SELENIUM										.002 MG/L		U			
SILVER										.0353 MG/L		-			
SODIUM										35.7 MG/L		-			
THALLIUM										.002 MG/L		U			
VANADIUM										.0284 MG/L		-			
ZINC										.0646 MG/L		-			
PESTICIDES															
4,4'-DDD													.1 UG/L		U

SAMPLE NUMBER:	062402			046699			046700			066905			066905		
LAB:	WEMCO			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-238													3409 PCI/L	462	J
URANIUM, TOTAL	7300 UG/L		NV	5780 UG/L	748	-							10275 UG/L	1398	J
URANIUM-234													3812 PCI/L	514	J
THORIUM-230													1.4 PCI/L	.49	J
RADIUM-226													1 PCI/L		R
URANIUM-235/236													312 PCI/L	56	J
THORIUM-232													1 PCI/L		UJ
THORIUM, TOTAL													3.6 UG/L		UJ
RADIUM-228													3 PCI/L		R
THORIUM-228													1 PCI/L		UJ
NEPTUNIUM-237													2.8 PCI/L		UJ
PLUTONIUM-239/240													1 PCI/L		UJ
PLUTONIUM-238													1 PCI/L		UJ
STRONTIUM-90													5 PCI/L		UJ
TECHNETIUM-99													257 PCI/L	33	J
RUTHENIUM-106													150 PCI/L		R
CESIUM-137													20 PCI/L		R

SEMIVOLATILES

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

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	062402			046699			046700			066905			066905		
LAB:	WEMCO			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															
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		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		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

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SAMPLE NUMBER:	062402			046699			046700			066905			066905		
LAB:	WEMCO			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															
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		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		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		UR
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													3 UG/L		J
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													34 UG/L		-
CHLOROMETHANE													10 UG/L		U

SAMPLE NUMBER:	062402			046699			046700			066905			066905		
LAB:	WEMCO			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															
CIS-1,3-DICHLOROPROPENE													5 UG/L		U
DIBROMOCHLOROMETHANE													5 UG/L		U
ETHYLBENZENE													5 UG/L		U
METHYLENE CHLORIDE													120 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:	046692	046693	046694	066906	045723
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1197	1197	1197	1197	1198
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-JAN-90	31-JUL-90	31-JUL-90	31-JUL-90	01-FEB-90
NORTH COORDINATE:	480626.41	480626.41	480626.41	480626.41	480601.67
EAST COORDINATE:	1380538.45	1380538.45	1380538.45	1380538.45	1380704.13
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	11.2 MG/L		-				5.63 MG/L		-				.1 MG/L		U
INORGANICS															
ALUMINUM										.636 MG/L		-			
ANTIMONY										.0304 MG/L		-			
ARSENIC										.002 MG/L		-			
BARIUM										.0745 MG/L		-			
BERYLLIUM										.0052 MG/L		-			
CADMIUM										.0072 MG/L		-			
CALCIUM										121 MG/L		-			
CHROMIUM										.163 MG/L		-			
COBALT										.0128 MG/L		-			
COPPER										.0341 MG/L		-			
CYANIDE										.002 MG/L		UJ			
IRON										.0668 MG/L		-			
LEAD										.0029 MG/L		J			
MAGNESIUM										30.4 MG/L		-			
MANGANESE										.144 MG/L		-			
MERCURY										.0002 MG/L		-			
NICKEL										.0241 MG/L		-			
POTASSIUM										2.45 MG/L		-			
SELENIUM										.002 MG/L		-			
SILVER										.0667 MG/L		-			
SODIUM										33 MG/L		-			
THALLIUM										.002 MG/L		-			
VANADIUM										.0534 MG/L		-			
ZINC										.0219 MG/L		-			
PESTICIDES															
4,4'-DDD										.1 UG/L		U			

SAMPLE NUMBER:	046692			046693			046694			066906			045723		
LAB:	IT			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)
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										8477 PCI/L	1874	J			
URANIUM, TOTAL	36900 UG/L	5000	-	4915 UG/L	643	-				25431 UG/L	5642	J			
URANIUM-234										10084 PCI/L	2219	J			
THORIUM-230										4.28 PCI/L	2.4	J			
RADIUM-226										1 PCI/L		R			
URANIUM-235/236										515 PCI/L	160	J			
THORIUM-232										2.9 PCI/L		U			
THORIUM, TOTAL										26 UG/L		U			
RADIUM-228										3 PCI/L		R			
THORIUM-228										5.99 PCI/L	2.73	J			
NEPTUNIUM-237										2.7 PCI/L		UJ			
PLUTONIUM-239/240										1 PCI/L		UJ			
PLUTONIUM-238										1 PCI/L		UJ			
STRONTIUM-90										5 PCI/L		UJ			
TECHNETIUM-99										550 PCI/L	61	J			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										20 PCI/L		R			

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046692			046693			046694			066906			045723		
LAB:	IT			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															
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		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			

SAMPLE NUMBER:	046692			046693			046694			066906			045723		
LAB:	IT			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															
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		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		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										6 UG/L		J			
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		-			
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										47 UG/L		-			
CHLOROMETHANE										10 UG/L		U			

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046692			046693			046694			066906			045723		
LAB:	IT			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)
VOLATILES															
CIS-1,3-DICHLOROPROPENE										5 UG/L		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		U			
METHYLENE CHLORIDE										87 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:	045214	045213	045724	045179	066908
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	WMCO	WMCO	IT	WMCO	IT
WELL OR BORING NUMBER:	1198	1198	1198	1199	1199
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-AUG-89	07-JUN-89	29-JUL-90	03-JUN-89	16-JUL-90
NORTH COORDINATE:	480601.67	480601.67	480601.67	480598.61	480598.61
EAST COORDINATE:	1380704.13	1380704.13	1380704.13	1380213.23	1380213.23
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							.1 MG/L		U						
INORGANICS															
ALUMINUM													.768 MG/L		-
ANTIMONY													.0686 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.13 MG/L		J
BERYLLIUM													.0077 MG/L		-
CADMIUM													.0146 MG/L		U
CALCIUM													254 MG/L		J
CHROMIUM													.23 MG/L		-
COBALT													.0257 MG/L		U
COPPER													.046 MG/L		-
IRON													.0919 MG/L		-
LEAD													.0027 MG/L		J
MAGNESIUM													79.1 MG/L		J
MANGANESE													.205 MG/L		J
MERCURY													.0002 MG/L		UR
NICKEL													.0529 MG/L		-
POTASSIUM													1.7 MG/L		-
SELENIUM													.002 MG/L		U
SILVER													.0902 MG/L		-
SODIUM													39.1 MG/L		J
THALLIUM													.002 MG/L		UJ
VANADIUM													.0812 MG/L		-
ZINC													.0138 MG/L		-
RADIONUCLIDES															
URANIUM-238										6200 PCI/L		NV			
URANIUM, TOTAL	50.8 UG/L		NV	138 UG/L		NV				18690 UG/L		NV			

SAMPLE NUMBER:	045214			045213			045724			045179			066908		
LAB:	WMCO			WMCO			IT			WMCO			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															
URANIUM-234										7000 PCI/L		NV			
URANIUM-235										330 PCI/L		NV			
URANIUM-236										200 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066908	045580	045180	045579	045181
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	WMCO
WELL OR BORING NUMBER:	1199	1199	1199	1199	1200
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-JUL-90	18-FEB-90	19-OCT-89	19-OCT-89	03-JUN-89
NORTH COORDINATE:	480598.61	480598.61	480598.61	480598.61	480577.09
EAST COORDINATE:	1380213.23	1380213.23	1380213.23	1380213.23	1380315.27
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				17.4 MG/L		-				92.5 MG/L		J			
INORGANICS															
CYANIDE	.0036 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												

SAMPLE NUMBER:	066908			045580			045180			045579			045181		
LAB:	IT			IT			IT			IT			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)
PESTICIDES															
HEPTACHLOR EPOXIDE	.05 UG/L		U												
METHOXYCHLOR	.5 UG/L		U												
TOXAPHENE	1 UG/L		U												
RADIONUCLIDES															
URANIUM-238	10300 PCI/L	1200	-										1100 PCI/L		NV
URANIUM, TOTAL	39700 UG/L	5300	-				20300 UG/L	2800	-				3286 UG/L		NV
URANIUM-234	10500 PCI/L	1200	-										1100 PCI/L		NV
THORIUM-230	1.35 PCI/L	.79	J												
RADIUM-226	3.02 PCI/L	.6	N												
URANIUM-235/236	1200 PCI/L	170	-												
THORIUM-232	2.91 PCI/L	1.13	J												
THORIUM, TOTAL	26.2 UG/L	10.2	J												
RADIUM-228	3 PCI/L		U												
THORIUM-228	1.49 PCI/L	.82	J												
NEPTUNIUM-237	5 PCI/L		U												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		U												
TECHNETIUM-99	741 PCI/L	83	J												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
URANIUM-235	1200 PCI/L	170	-										57 PCI/L		NV
URANIUM-236													22 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		U												

SAMPLE NUMBER:	066908			045580			045180			045579			045181		
LAB:	IT			IT			IT			IT			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)
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		UJ												
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		UJ												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UJ												
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		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		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		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												

001845

SAMPLE NUMBER:	066908			045580			045180			045579			045181		
LAB:	IT			IT			IT			IT			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															
1,1,1-TRICHLOROETHANE	68 UG/L		-												
1,1,2,2-TETRACHLOROETHANE	5 UG/L		U												
1,1,2-TRICHLOROETHANE	5 UG/L		U												
1,1-DICHLOROETHANE	26 UG/L		-												
1,1-DICHLOROETHENE	15 UG/L		-												
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		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	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 1 WELLS

SAMPLE NUMBER:	045583			045182			045582			045183			045590		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1200			1200			1200			1201			1201		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-FEB-90			20-OCT-89			20-OCT-89			03-JUN-89			18-FEB-90		
NORTH COORDINATE:	480577.09			480577.09			480577.09			480574.08			480574.08		
EAST COORDINATE:	1380315.27			1380315.27			1380315.27			1380390.62			1380390.62		
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	.34 MG/L		-				2.48 MG/L		J				.1 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				2830 UG/L	390	-				277.15392 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045184	045589	120251	120251F	120252
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	TCT	TCT	CORE
WELL OR BORING NUMBER:	1201	1201	1201	1201	1201
DEPTH:	-	-	-	-	-
DATE COLLECTED:	20-OCT-89	20-OCT-89	29-JUN-93	29-JUN-93	29-JUN-93
NORTH COORDINATE:	480574.08	480574.08	480574.08	480574.08	480574.08
EAST COORDINATE:	1380390.62	1380390.62	1380390.62	1380390.62	1380390.62
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							1004 MG/L		-						
AMMONIA							.0933 MG/L		-						
CHLORIDE							1.7 MG/L		-						
FLUORIDE							.44 MG/L		-						
NITRATE				.1 MG/L		UJ									
NITRITE, AS NITROGEN							.04 MG/L		U						
PHENOLS							.005 MG/L		U						
PHOSPHATE							.418 MG/L		R						
SULFATE							25.4 MG/L		-						
SULFIDE							1 MG/L		J						
TOTAL KJELDAHL NITROGEN							.142 MG/L		-						
TOTAL ORGANIC CARBON							10.4 MG/L		J						
TOTAL ORGANIC HALIDES							.0239 MG/L		-						
TOTAL ORGANIC NITROGEN							.049 MG/L		-						
INORGANICS															
ALUMINUM							164 MG/L		-	.161 MG/L		U			
ANTIMONY							.014 MG/L		UJ	.014 MG/L		UJ			
ARSENIC							.0032 MG/L		J	.0022 MG/L		J			
BARIUM							.711 MG/L		-	.0286 MG/L		-			
BERYLLIUM							.0113 MG/L		-	.005 MG/L		U			
CADMIUM							.03 MG/L		-	.005 MG/L		U			
CALCIUM							899 MG/L		-	55.4 MG/L		-			
CHROMIUM							.223 MG/L		-	.006 MG/L		UJ			
COBALT							.105 MG/L		-	.017 MG/L		U			
COPPER							.263 MG/L		-	.009 MG/L		U			
CYANIDE							.005 MG/L		U	.005 MG/L		U			
IRON							298 MG/L		-	.129 MG/L		-			
LEAD							.107 MG/L		J	.0012 MG/L		J			
MAGNESIUM							359 MG/L		-	16.7 MG/L		-			
MANGANESE							4.79 MG/L		-	.0501 MG/L		-			

SAMPLE NUMBER:	045184			045589			120251			120251F			120252		
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		U	.017 MG/L		U			
NICKEL							.3 MG/L		-	.018 MG/L		U			
POTASSIUM							45.5 MG/L		-	.45 MG/L		-			
SELENIUM							.025 MG/L		UR	.005 MG/L		UR			
SILICON							60.1 MG/L		J	3.85 MG/L		J			
SILVER							.001 MG/L		U	.001 MG/L		U			
SODIUM							14.8 MG/L		-	14.4 MG/L		-			
THALLIUM							.0014 MG/L		J	.001 MG/L		U			
VANADIUM							.28 MG/L		-	.024 MG/L		U			
ZINC							.809 MG/L		-	.0139 MG/L		U			
RADIONUCLIDES															
URANIUM-238													4.3 PCI/L	1.6	-
URANIUM, TOTAL	412 UG/L	66	-										348 UG/L	24.4	-
URANIUM-234													5.8 PCI/L	1.9	-
THORIUM-230													.4 PCI/L	.4	R
RADIUM-226													5.5 PCI/L	.8	J
URANIUM-235/236													.8 PCI/L	.6	-
THORIUM-232													.2 PCI/L	1	R
RADIUM-228													3.2 PCI/L	1.4	-
THORIUM-228													.2 PCI/L	1.4	R
TECHNETIUM-99													15 PCI/L	8.3	U
GROSS ALPHA													104 PCI/L	28.5	NV
GROSS BETA													90.3 PCI/L	24.6	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		UJ						
2-HEXANONE							10 UG/L		UJ						
4-METHYL-2-PENTANONE							10 UG/L		UJ						
ACETONE							28 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						

SAMPLE NUMBER:	045184			045589			120251			120251F			120252		
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															
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:	120252F			120254			120254F			045185			045594		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	CORE			FERMCO			FERMCO			WMCO			IT		
WELL OR BORING NUMBER:	1201			1201			1201			1202			1202		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-JUN-93			29-JUN-93			29-JUN-93			04-JUN-89			18-FEB-90		
NORTH COORDINATE:	480574.08			480574.08			480574.08			480581.85			480581.85		
EAST COORDINATE:	1380390.62			1380390.62			1380390.62			1380459.62			1380459.62		
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													.58 MG/L		-
RADIONUCLIDES															
URANIUM-238	72.6 PCI/L	8.9	J							460 PCI/L		NV			
URANIUM, TOTAL	218 UG/L	15.2	-	290 UG/L		NV	230 UG/L		NV	1372 UG/L		NV			
URANIUM-234	73.7 PCI/L	9	J							370 PCI/L		NV			
THORIUM-230	.3 PCI/L	.2	UJ												
RADIUM-226	1 PCI/L	.2	U												
URANIUM-235/236	6.7 PCI/L	1.5	J												
THORIUM-232	.2 PCI/L	.3	UJ												
THORIUM, TOTAL	1.824 PCI/L	.3	NV												
RADIUM-228	3 PCI/L	1.7	U												
THORIUM-228	.2 PCI/L	.4	UJ												
TECHNETIUM-99	29.9 PCI/L	10	J												
GROSS ALPHA	124 PCI/L	7	NV												
GROSS BETA	49.7 PCI/L	3.4	NV												
URANIUM-235	6.7 PCI/L	1.5	J							21 PCI/L		NV			
URANIUM-236										.18 PCI/L		NV			

SAMPLE NUMBER:	045186			045593			045599			045599			045598		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1202			1202			1203			1203			1203		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-OCT-89			20-OCT-89			07-MAY-90			07-MAY-90			18-FEB-90		
NORTH COORDINATE:	480581.85			480581.85			480568.95			480568.95			480568.95		
EAST COORDINATE:	1380459.62			1380459.62			1380486.92			1380486.92			1380486.92		
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															
NITRATE				.11 MG/L		J							.1 MG/L		U
INORGANICS															
ALUMINUM							.102 MG/L		J						
ANTIMONY							.03 MG/L		UJ						
ARSENIC							.002 MG/L		UJ						
BARIUM							.0474 MG/L		J						
BERYLLIUM							.002 MG/L		UJ						
CADMIUM							.0027 MG/L		J						
CALCIUM							91.6 MG/L		UJ						
CHROMIUM							.0242 MG/L		J						
COBALT							.01 MG/L		UJ						
COPPER							.01 MG/L		UJ						
CYANIDE										.01 MG/L		UJ			
IRON							.0473 MG/L		J						
LEAD							.002 MG/L		UJ						
MAGNESIUM							26.9 MG/L		UJ						
MANGANESE							.313 MG/L		J						
MERCURY							.00026 MG/L		J						
MOLYBDENUM							.01 MG/L		UJ						
NICKEL							.02 MG/L		UJ						
POTASSIUM							.792 MG/L		J						
SELENIUM							.002 MG/L		UJ						
SILVER							.0159 MG/L		J						
SODIUM							35.8 MG/L		J						
THALLIUM							.002 MG/L		UR						
VANADIUM							.0122 MG/L		J						
ZINC							.0115 MG/L		J						
PESTICIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045186			045593			045599			045599			045598		
LAB:	IT			IT			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															
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	2110 UG/L	290	-												
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		UJ			
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:	045186			045593			045599			045599			045598		
LAB:	IT			IT			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															
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		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		UJ			
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		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			

SAMPLE NUMBER:	045186			045593			045599			045599			045598		
LAB:	IT			IT			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															
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			
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										4 UG/L		J			
1,1-DICHLOROETHENE										5 UG/L		U			
1,2-DICHLOROETHANE										5 UG/L		UJ			
1,2-DICHLOROETHENE (TOTAL)										3 UG/L		J			
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		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		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										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 1 WELLS

SAMPLE NUMBER:	045160			045597			046807			046808			046806		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1203			1203			1204			1204			1204		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	20-OCT-89			20-OCT-89			02-JUL-90			02-JUL-90			22-JAN-90		
NORTH COORDINATE:	480568.95			480568.95			480594.55			480594.55			480594.55		
EAST COORDINATE:	1380486.92			1380486.92			1380557.47			1380557.47			1380557.47		
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		UJ				7.31 MG/L		J	19.4 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	54 UG/L	6	-				1780 UG/L	235	-				4200 UG/L	600	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045219			045602			045220			045601			045221		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	WMCO			IT-KNOX			IT			IT			WMCO		
WELL OR BORING NUMBER:	1205			1205			1205			1205			1206		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-JUL-89			28-AUG-90			29-JUL-90			29-JUL-90			06-JUN-89		
NORTH COORDINATE:	480566.05			480566.05			480566.05			480566.05			480546.57		
EAST COORDINATE:	1380557.71			1380557.71			1380557.71			1380557.71			1380525.92		
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				44.43 MG/L		-				77.7 MG/L		-			
RADIONUCLIDES															
URANIUM-238													610 PCI/L		NV
URANIUM, TOTAL	1000 PCI/L		NV				307 UG/L	43	-				1817.9072 PCI/L		NV
URANIUM-234													670 PCI/L		NV
URANIUM-235													34 PCI/L		NV
URANIUM-236													8.1 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045607	045607	098998	098998	098998
TASK:	3.7	3.7	50.03.07	50.03.07	50.03.07
LAB:	IT	IT	IT	IT	IT/MWL
WELL OR BORING NUMBER:	1206	1206	1206	1206	1206
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-MAY-90	07-MAY-90	15-OCT-92	15-OCT-92	15-OCT-92
NORTH COORDINATE:	480546.57	480546.57	480546.57	480546.57	480546.57
EAST COORDINATE:	1380525.92	1380525.92	1380525.92	1380525.92	1380525.92
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										390 MG/L		-			
AMMONIA										2.72 MG/L		-			
CHLORIDE										12.9 MG/L		-			
FLUORIDE										.95 MG/L		-			
NITRATE										.221 MG/L		-			
PHENOLS										.02 MG/L		-			
PHOSPHORUS										5.76 MG/L		-			
SULFATE										53.7 MG/L		J			
SULFIDE										.5 MG/L		U			
TOTAL ORGANIC CARBON										2.37 MG/L		-			
TOTAL ORGANIC HALIDES										.0566 MG/L		-			
TOTAL ORGANIC NITROGEN										3.03 MG/L		-			
INORGANICS															
ALUMINUM	.0994 MG/L		J				.03 MG/L		U						
ANTIMONY	.03 MG/L		UJ				.005 MG/L		U						
ARSENIC	.002 MG/L		UJ				.0025 MG/L		U						
BARIUM	.0524 MG/L		J				.0508 MG/L		-						
BERYLLIUM	.002 MG/L		UJ				.002 MG/L		U						
CADMIUM	.0025 MG/L		J				.005 MG/L		U						
CALCIUM	78.1 MG/L		J				69.4 MG/L		-						
CHROMIUM	.0282 MG/L		J				.01 MG/L		U						
COBALT	.01 MG/L		UJ				.01 MG/L		U						
COPPER	.01 MG/L		UJ				.01 MG/L		U						
CYANIDE				.01 MG/L		UJ				.002 MG/L		U			
IRON	.0311 MG/L		J				.02 MG/L		U						
LEAD	.0032 MG/L		J				.0025 MG/L		U						
MAGNESIUM	21.6 MG/L		J				18.7 MG/L		-						
MANGANESE	.154 MG/L		J				.149 MG/L		-						
MERCURY	.0005 MG/L		J				.0002 MG/L		U						
MOLYBDENUM	.0146 MG/L		J				.0226 MG/L		-						

SAMPLE NUMBER:	045607			045607			098998			098998			098998		
LAB:	IT			IT			IT			IT			IT/MWL		
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	.0219 MG/L		J				.02 MG/L		U						
POTASSIUM	2.29 MG/L		J				5.06 MG/L		-						
SELENIUM	.002 MG/L		UJ				.002 MG/L		U						
SILICON							4.99 MG/L		-						
SILVER	.0173 MG/L		J				.01 MG/L		U						
SODIUM	33.9 MG/L		J				36.1 MG/L		-						
THALLIUM	.002 MG/L		UR				.002 MG/L		U						
VANADIUM	.013 MG/L		J				.01 MG/L		U						
ZINC	.0083 MG/L		J				.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				.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							418 PCI/L	62	R						
URANIUM, TOTAL							1240 UG/L	170	-						
URANIUM-234							485 PCI/L	70	R						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							16.4 PCI/L	7	R						

SAMPLE NUMBER:	045607			045607			098998			098998			098998		
LAB:	IT			IT			IT			IT			IT/MWL		
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															
RADIUM-228							3 PCI/L		UJ						
NEPTUNIUM-237							.5 PCI/L	.239	UJ						
PLUTONIUM-239/240							1 PCI/L		R						
PLUTONIUM-238							1 PCI/L		R						
STRONTIUM-90							1 PCI/L	.425	UJ						
TECHNETIUM-99							90.3 PCI/L	19	J						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							11.8 PCI/L		UJ						
GROSS ALPHA							1650 PCI/L	180	NV						
GROSS BETA							303 PCI/L	32	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				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		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		UJ				50 UG/L		U			
2-NITROPHENOL				10 UG/L		U				10 UG/L		U			
3,3'-DICHLOROBENZIDINE				20 UG/L		U				20 UG/L		UJ			
3-NITROANILINE				50 UG/L		U				50 UG/L		UJ			
4,6-DINITRO-2-METHYLPHENOL				50 UG/L		UJ				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		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			

SAMPLE NUMBER:	045607			045607			098998			098998			098998		
LAB:	IT			IT			IT			IT			IT/MWL		
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															
BENZOIC ACID				50 UG/L		U				50 UG/L		U			
BENZYL ALCOHOL				10 UG/L		UJ				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		UJ				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			
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		UJ				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			
TRIBUTYL PHOSPHATE				10 UG/L		J									
VOLATILES															
1,1,1-TRICHLOROETHANE				27 UG/L		-							20 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				31 UG/L		-							29 UG/L		J
1,1-DICHLOROETHENE				9 UG/L		-							3 UG/L		J
1,2-DICHLOROETHANE				5 UG/L		UJ							5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)				9 UG/L		-							4 UG/L		J
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

SAMPLE NUMBER:	045607	045607	098998	098998	098998
LAB:	IT	IT	IT	IT	IT/MWL
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															
4-METHYL-2-PENTANONE				10 UG/L		UJ							10 UG/L		UJ
ACETONE				10 UG/L		U							10 UG/L		U
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		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		UJ							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		UJ
STYRENE				5 UG/L		UJ							5 UG/L		U
TETRACHLOROETHENE				2 UG/L		J							3 UG/L		J
TOLUENE				5 UG/L		UJ							5 UG/L		U
TRANS-1,3-DICHLOROPROPENE				5 UG/L		U							5 UG/L		U
TRICHLOROETHENE				2 UG/L		J							2 UG/L		J
VINYL ACETATE				10 UG/L		U							10 UG/L		UJ
VINYL CHLORIDE				2 UG/L		J							8 UG/L		J
XYLENES, TOTAL				5 UG/L		UJ							5 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099005			045606			045222			045605			098933		
TASK:	50.03.07			3.7			3.7			3.7			50.03.07		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1206			1206			1206			1206			1206		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-OCT-92			18-FEB-90			20-OCT-89			20-OCT-89			24-JUN-92		
NORTH COORDINATE:	480546.57			480546.57			480546.57			480546.57			480546.57		
EAST COORDINATE:	1380525.92			1380525.92			1380525.92			1380525.92			1380525.92		
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				4.08 MG/L		-				1.83 MG/L		J			
INORGANICS															
ALUMINUM													.0374 MG/L		-
ANTIMONY													.03 MG/L		UJ
ARSENIC													.002 MG/L		U
BARIUM													.053 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													69.6 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.02 MG/L		U
LEAD													.002 MG/L		U
MAGNESIUM													19.6 MG/L		-
MANGANESE													.166 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													3.52 MG/L		-
SELENIUM													.002 MG/L		UJ
SILICON													4.71 MG/L		-
SILVER													.01 MG/L		UJ
SODIUM													32.8 MG/L		-
VANADIUM													.01 MG/L		U
ZINC													.0122 MG/L		-
RADIONUCLIDES															
URANIUM-238													374 PCI/L	57	J

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SAMPLE NUMBER:	099005			045606			045222			045605			098933		
LAB:	WMCO			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL	1100 UG/L		NV				1010 UG/L	150	-				1160 UG/L	180	-
URANIUM-234													475 PCI/L	69	J
THORIUM-230													.4 PCI/L	.2	J
RADIUM-226													1 PCI/L		UJ
URANIUM-235/236													20.2 PCI/L	9.2	J
THORIUM-232													.2 PCI/L		UJ
THORIUM, TOTAL													1.1 UG/L		UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228													.86 PCI/L	.27	J
PLUTONIUM-239/240													.5 PCI/L	.2	UJ
PLUTONIUM-238													.5 PCI/L		UJ
STRONTIUM-90													1 PCI/L		UJ
TECHNETIUM-99													80.5 PCI/L	18.1	-
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													13 PCI/L		UJ
GROSS ALPHA													657 PCI/L	74	NV
GROSS BETA													251 PCI/L	28	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098933			098935			098935			045187			099000		
TASK:	50.03.07			50.03.07			50.03.07			3.7			50.03.07		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1206			1206			1206			1207			1207		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JUN-92			24-JUN-92			24-JUN-92			02-JUN-89			14-OCT-92		
NORTH COORDINATE:	480546.57			480546.57			480546.57			480567.12			480567.12		
EAST COORDINATE:	1380525.92			1380525.92			1380525.92			1380054.83			1380054.83		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				098933			098933								
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	1.94 MG/L		-				2.58 MG/L		-						
CHLORIDE	16.9 MG/L		-				17.9 MG/L		-						
FLUORIDE	.88 MG/L		-				1.03 MG/L		-						
NITRATE/NITRITE	.461 MG/L		R				.638 MG/L		-						
PHENOLS	.01 MG/L		U												
PHOSPHORUS	2.16 MG/L		-				1.15 MG/L		-						
SULFATE	33.7 MG/L		-				33.9 MG/L		-						
SULFIDE	.5 MG/L		U				1.95 MG/L		-						
TOTAL ORGANIC CARBON	1.67 MG/L		-				1.523 MG/L		-						
TOTAL ORGANIC HALIDES	.0526 MG/L		J				.0646 MG/L		J						
TOTAL ORGANIC NITROGEN	1.51 MG/L		-				.62 MG/L		-						
INORGANICS															
ALUMINUM				.0335 MG/L		-							.03 MG/L		U
ANTIMONY				.03 MG/L		UJ							.005 MG/L		U
ARSENIC				.002 MG/L		U							.0025 MG/L		U
BARIUM				.0538 MG/L		-							.061 MG/L		-
BERYLLIUM				.002 MG/L		U							.002 MG/L		U
CADMIUM				.005 MG/L		U							.005 MG/L		U
CALCIUM				66.6 MG/L		-							112 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				18.5 MG/L		-							46.8 MG/L		-
MANGANESE				.159 MG/L		-							.0131 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.0262 MG/L		-							.02 MG/L		U
NICKEL				.02 MG/L		U							.02 MG/L		U
POTASSIUM				4.11 MG/L		-							.841 MG/L		-

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SAMPLE NUMBER:	098933			098935			098935			045187			099000		
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															
SELENIUM				.002 MG/L		UJ							.002 MG/L		U
SILICON				4.54 MG/L		-							6.48 MG/L		-
SILVER				.01 MG/L		UJ							.01 MG/L		U
SODIUM				34.8 MG/L		-							36.4 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM				.01 MG/L		U							.01 MG/L		U
ZINC				.0074 MG/L		-							.005 MG/L		U
RADIONUCLIDES															
URANIUM-238				432 PCI/L	56	J				240 PCI/L		NV	454 PCI/L	97	R
URANIUM, TOTAL				1200 UG/L	190	-				736 UG/L		NV	1350 UG/L	186	-
URANIUM-234				465 PCI/L	60	J				260 PCI/L		NV	515 PCI/L	107	R
THORIUM-230				1.16 PCI/L	.37	-									
RADIUM-226				1 PCI/L		UJ							1 PCI/L	.107	UJ
URANIUM-235/236				27.9 PCI/L	8.1	J							73.3 PCI/L	28.2	R
THORIUM-232				.4 PCI/L	.2	J									
THORIUM, TOTAL				3.48 UG/L	1.86	-									
RADIUM-228				1 PCI/L		R							3 PCI/L		UJ
THORIUM-228				.8 PCI/L	.3	J									
NEPTUNIUM-237													.5 PCI/L	.172	UJ
PLUTONIUM-239/240				.5 PCI/L	.1	UJ							1 PCI/L		R
PLUTONIUM-238				.5 PCI/L		UJ							1 PCI/L		R
STRONTIUM-90				1 PCI/L	.5	UJ							1 PCI/L		UJ
TECHNETIUM-99				80 PCI/L	17.7	-							15 PCI/L	12	UJ
RUTHENIUM-106				150 PCI/L		UJ							150 PCI/L		UJ
CESIUM-137				14 PCI/L		UJ							17.6 PCI/L		UJ
GROSS ALPHA				2020 PCI/L	210	NV							1110 PCI/L	130	NV
GROSS BETA				606 PCI/L	63	NV							217 PCI/L	24	NV
URANIUM-235				27.9 PCI/L	8.1	J				12 PCI/L		NV	73.3 PCI/L	28.2	R
URANIUM-236										1.4 PCI/L		NV			
VOLATILES															
1,1,1-TRICHLOROETHANE	16 UG/L		J				22 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	25 UG/L		-				27 UG/L		-						
1,1-DICHLOROETHENE	2 UG/L		J				3 UG/L		J						
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		UJ				10 UG/L		UJ						
2-HEXANONE	10 UG/L		UJ				10 UG/L		UJ						
4-METHYL-2-PENTANONE	10 UG/L		UJ				10 UG/L		UJ						
ACETONE	10 UG/L		U				10 UG/L		U						
BENZENE	5 UG/L		U				5 UG/L		U						

SAMPLE NUMBER:	098933			098935			098935			045187			099000		
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															
BROMODICHLOROMETHANE	5 UG/L		UJ				5 UG/L		UJ						
BROMOFORM	5 UG/L		UJ				5 UG/L		UJ						
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		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	1 UG/L		J				2 UG/L		J						
TOLUENE	5 UG/L		U				5 UG/L		U						
TRANS-1,3-DICHLOROPROPENE	5 UG/L		UJ				5 UG/L		UJ						
TRICHLOROETHENE	1 UG/L		J				1 UG/L		J						
VINYL ACETATE	10 UG/L		UJ				10 UG/L		UJ						
VINYL CHLORIDE	5 UG/L		J				10 UG/L		U						
XYLENES, TOTAL	5 UG/L		U				5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099000	099001	098913	098913	098914
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT	WMCO	IT	IT	WEMCO
WELL OR BORING NUMBER:	1207	1207	1207	1207	1207
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-OCT-92	14-OCT-92	17-JUN-92	17-JUN-92	17-JUN-92
NORTH COORDINATE:	480567.12	480567.12	480567.12	480567.12	480567.12
EAST COORDINATE:	1380054.83	1380054.83	1380054.83	1380054.83	1380054.83
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	330 MG/L		-												
AMMONIA	.22 MG/L		-							.12 MG/L		NV			
CHLORIDE	83.2 MG/L		-							47 MG/L		NV			
FLUORIDE	.4 MG/L		-							.4 MG/L		NV			
NITRATE	.1 MG/L		U							.1 MG/L		U			
NITRATE/NITRITE										.1 MG/L		U			
PHENOLS	.01 MG/L		U							.01 MG/L		U			
PHOSPHORUS	2.78 MG/L		-							1.29 MG/L		NV			
SULFATE	60.6 MG/L		J							112.57 MG/L		NV			
SULFIDE	.5 MG/L		U							.5 MG/L		U			
TOTAL ORGANIC CARBON	2.09 MG/L		-							1.33 MG/L		NV			
TOTAL ORGANIC HALIDES	.0491 MG/L		-							.029 MG/L		NV			
TOTAL ORGANIC NITROGEN	1.1 MG/L		-							.49 MG/L		NV			
INORGANICS															
ALUMINUM							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.039 MG/L		-						
CADMIUM							.005 MG/L		U						
CALCIUM							76.7 MG/L		-						
CHROMIUM							.01 MG/L		U						
COPPER							.01 MG/L		U						
CYANIDE	.002 MG/L		U												
IRON							.02 MG/L		U						
LEAD							.002 MG/L		UJ						
MAGNESIUM							33.1 MG/L		-						
MANGANESE							.0119 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							1 MG/L		U						

SAMPLE NUMBER:	099000			099001			098913			098913			098914		
LAB:	IT			WMCO			IT			IT			WEMCO		
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															
SELENIUM							.002 MG/L		U						
SILICON							4.93 MG/L		-						
SILVER							.01 MG/L		UJ						
SODIUM							18.1 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												
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							334 PCI/L	47	-						
URANIUM, TOTAL				1300 UG/L		NV	1080 UG/L	150	-				670 UG/L		NV
URANIUM-234							319 PCI/L	45	-						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							24.7 PCI/L	5.1	-						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							1.8 UG/L		U						
RADIUM-228							3 PCI/L		UJ						

SAMPLE NUMBER:	099000			099001			098913			098913			098914		
LAB:	IT			WMCO			IT			IT			WEMCO		
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															
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		UJ						
TECHNETIUM-99							30 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		U						
CESIUM-137							20 PCI/L		U						
GROSS ALPHA							498 PCI/L	60	NV						
GROSS BETA							191 PCI/L	20	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		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												
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:	099000			099001			098913			098913			098914		
LAB:	IT			WMCO			IT			IT			WEMCO		
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															
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		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							.01 MG/L		U			
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			
1,1-DICHLOROETHANE	5 UG/L		UJ							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		UJ							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			

SAMPLE NUMBER:	099000			099001			098913			098913			098914		
LAB:	IT			WMCO			IT			IT			WEMCO		
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															
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		UJ			
CARBON DISULFIDE	5 UG/L		U							5 UG/L		U			
CARBON TETRACHLORIDE	5 UG/L		U							5 UG/L		UJ			
CHLOROBENZENE	5 UG/L		U							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		U							5 UG/L		U			
METHYLENE CHLORIDE	5 UG/L		UJ							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		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:	045610	045188	045609	045189	099002
TASK:	3.7	3.7	3.7	3.7	50.03.07
LAB:	IT	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1207	1207	1207	1208	1208
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-FEB-90	22-OCT-89	22-OCT-89	06-JUN-89	14-OCT-92
NORTH COORDINATE:	480567.12	480567.12	480567.12	480550.53	480550.53
EAST COORDINATE:	1380054.83	1380054.83	1380054.83	1380198.75	1380198.75
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	1.07 MG/L		-	.27 MG/L		U									
INORGANICS															
MOLYBDENUM													.02 MG/L		U
SELENIUM													.002 MG/L		U
SILICON													6.16 MG/L		-
SILVER													.01 MG/L		U
SODIUM													30.4 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.01 MG/L		U
ZINC													.005 MG/L		U
RADIONUCLIDES															
URANIUM-238										4000 PCI/L		NV			
URANIUM, TOTAL							468 UG/L	66	-	8200 PCI/L		NV	7290 UG/L	1000	-
URANIUM-234										5200 PCI/L		NV			
RADIUM-226													1 PCI/L	.116	UJ
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													20 PCI/L	12	UJ
RUTHENIUM-106													150 PCI/L		UJ
CESIUM-137													14.7 PCI/L		UJ
GROSS ALPHA													8730 PCI/L	900	NV
GROSS BETA													2040 PCI/L	210	NV
URANIUM-235										190 PCI/L		NV			
URANIUM-236										76 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099002	099002	099003	066910	045730
TASK:	50.03.07	50.03.07	50.03.07	3.7	3.7
LAB:	IT	IT/MWL	WMCO	IT	IT
WELL OR BORING NUMBER:	1208	1208	1208	1208	1208
DEPTH:	-	-	-	-12.4	-
DATE COLLECTED:	14-OCT-92	14-OCT-92	14-OCT-92	16-JUL-90	18-FEB-90
NORTH COORDINATE:	480550.53	480550.53	480550.53	480550.53	480550.53
EAST COORDINATE:	1380198.75	1380198.75	1380198.75	1380198.75	1380198.75
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	307.5 MG/L		-												
AMMONIA	.56 MG/L		-												
CHLORIDE	14.9 MG/L		-												
FLUORIDE	.3 MG/L		-												
NITRATE	18.3 MG/L		-										6.15 MG/L		-
PHENOLS	.01 MG/L		U												
PHOSPHORUS	7.75 MG/L		-												
SULFATE	137.1 MG/L		J												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	2.99 MG/L		-												
TOTAL ORGANIC HALIDES	.0625 MG/L		-												
TOTAL ORGANIC NITROGEN	5.44 MG/L		-												
INORGANICS															
ALUMINUM				.0892 MG/L		-				.327 MG/L		-			
ANTIMONY				.005 MG/L		U				.0362 MG/L		-			
ARSENIC				.0025 MG/L		U				.002 MG/L		UJ			
BARIUM				.0906 MG/L		-				.135 MG/L		J			
BERYLLIUM				.002 MG/L		U				.0039 MG/L		-			
CADMIUM				.005 MG/L		U				.0094 MG/L		U			
CALCIUM				133 MG/L		-				159 MG/L		J			
CHROMIUM				.01 MG/L		U				.0996 MG/L		-			
COBALT				.01 MG/L		U				.0173 MG/L		U			
COPPER				.01 MG/L		U				.0233 MG/L		-			
CYANIDE	.0041 MG/L		-							.0073 MG/L		J			
IRON				.02 MG/L		U				.0471 MG/L		-			
LEAD				.0025 MG/L		U				.002 MG/L		U			
MAGNESIUM				41.4 MG/L		-				52.7 MG/L		J			
MANGANESE				.143 MG/L		-				.282 MG/L		J			
MERCURY				.0002 MG/L		U				.0002 MG/L		UR			
NICKEL				.02 MG/L		U				.0345 MG/L		-			

SAMPLE NUMBER:	099002			099002			099003			066910			045730		
LAB:	IT			IT/MWL			WMCO			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															
POTASSIUM				2.13 MG/L		-				2.64 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.0425 MG/L		-			
SODIUM										37.1 MG/L		J			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.0372 MG/L		-			
ZINC										.0065 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										371 PCI/L	65	J			
URANIUM, TOTAL							8200 UG/L		NV	1120 UG/L	150	-			
URANIUM-234										384 PCI/L	67	J			
THORIUM-230										2.45 PCI/L	.99	J			
RADIUM-226										1 PCI/L		R			
URANIUM-235/236										29.5 PCI/L	6.7	J			
THORIUM-232										2.76 PCI/L	1.05	J			

SAMPLE NUMBER:	099002			099002			099003			066910			045730		
LAB:	IT			IT/MWL			WMCO			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)
RADIONUCLIDES															
THORIUM, TOTAL										24.9 UG/L	9.5	J			
RADIUM-228										3 PCI/L		U			
THORIUM-228										1.13 PCI/L	.7	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										451 PCI/L	55	J			
RUTHENIUM-106										150 PCI/L		R			
CESIUM-137										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		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		U			
3-NITROANILINE	50 UG/L		UJ							50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL	50 UG/L		U							50 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							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		UJ			
BENZO(K)FLUORANTHENE	10 UG/L		U							10 UG/L		U			

SAMPLE NUMBER:	099002			099002			099003			066910			045730		
LAB:	IT			IT/MWL			WMCO			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)
SEMIVOLATILES															
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		UJ			
BIS(2-CHLOROETHYL)ETHER	10 UG/L		U							10 UG/L		UJ			
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												
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			
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		UJ			
ISOPHORONE	10 UG/L		U							10 UG/L		UJ			
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		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			
VOLATILES															
1,1,1-TRICHLOROETHANE	7 UG/L		-							10 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	4 UG/L		J							8 UG/L		-			
1,1-DICHLOROETHENE	2 UG/L		J							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		U			
2-HEXANONE	10 UG/L		UJ							10 UG/L		U			
4-METHYL-2-PENTANONE	10 UG/L		UJ							10 UG/L		U			

SAMPLE NUMBER:	099002			099002			099003			066910			045730		
LAB:	IT			IT/MWL			WMCO			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)
VOLATILES															
ACETONE	10 UG/L		UJ							10 UG/L		U			
BENZENE	5 UG/L		U							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		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		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		UJ			
METHYLENE CHLORIDE	5 UG/L		U							5 UG/L		U			
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		UJ							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:	098927			098927			098929			045190			045729		
TASK:	50.03.07			50.03.07			50.03.07			3.7			3.7		
LAB:	IT			IT			WMCO			IT			IT		
WELL OR BORING NUMBER:	1208			1208			1208			1208			1208		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JUN-92			22-JUN-92			22-JUN-92			22-OCT-89			22-OCT-89		
NORTH COORDINATE:	480550.53			480550.53			480550.53			480550.53			480550.53		
EAST COORDINATE:	1380198.75			1380198.75			1380198.75			1380198.75			1380198.75		
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															
AMMONIA				.1 MG/L		U									
CHLORIDE				13.41 MG/L		-									
FLUORIDE				.2 MG/L		-									
NITRATE				30 MG/L		-				25 MG/L		-			
PHENOLS				.01 MG/L		U									
PHOSPHORUS				1.99 MG/L		-									
SULFATE				98.7 MG/L		-									
SULFIDE				.98 MG/L		U									
TOTAL ORGANIC CARBON				.002554 MG/L		-									
TOTAL ORGANIC HALIDES				68.6 MG/L		-									
TOTAL ORGANIC NITROGEN				1.52 MG/L		J									
INORGANICS															
ALUMINUM	.0403 MG/L		NV												
ARSENIC	.002 MG/L		UNV												
BARIUM	.0861 MG/L		NV												
CADMIUM	.005 MG/L		UNV												
CALCIUM	124 MG/L		NV												
CHROMIUM	.01 MG/L		UNV												
COPPER	.01 MG/L		UNV												
IRON	.02 MG/L		UNV												
LEAD	.002 MG/L		UNV												
MAGNESIUM	40 MG/L		NV												
MANGANESE	.181 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.02 MG/L		UNV												
NICKEL	.02 MG/L		UNV												
POTASSIUM	1.52 MG/L		NV												
SELENIUM	.002 MG/L		UNV												
SILICON	5.44 MG/L		NV												
SILVER	.01 MG/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098927			098927			098929			045190			045729		
LAB:	IT			IT			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)
INORGANICS															
SODIUM	29.8 MG/L		NV												
VANADIUM	.01 MG/L		UNV												
RADIONUCLIDES															
URANIUM-238	3150 PCI/L	380	J												
URANIUM, TOTAL	8560 UG/L	1320	-				8000 UG/L		NV				9330 UG/L	1270	-
URANIUM-234	3210 PCI/L	390	J												
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	181 PCI/L	44	J												
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	1.3 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		UJ												
TECHNETIUM-99	266 PCI/L	35	J												
RUTHENIUM-106	150 PCI/L		U												
CESIUM-137	20 PCI/L		U												
GROSS ALPHA	5600 PCI/L	570	NV												
GROSS BETA	1730 PCI/L	180	NV												
VOLATILES															
1,1,1-TRICHLOROETHANE				4 UG/L		J									
1,1,2,2-TETRACHLOROETHANE				5 UG/L		U									
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				10 UG/L		-									
1,1-DICHLOROETHENE				6 UG/L		-									
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				4 UG/L		J									
ACETONE				40 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				1 UG/L		J									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		U									
CHLOROETHANE				10 UG/L		U									
CHLOROFORM				5 UG/L		U									

SAMPLE NUMBER:	098927			098927			098929			045190			045729		
LAB:	IT			IT			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)
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:	045191	066909	066909	045734	045192
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	WMCO	IT	IT	IT	IT
WELL OR BORING NUMBER:	1209	1209	1209	1209	1209
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-JUN-89	16-JUL-90	16-JUL-90	18-FEB-90	22-OCT-89
NORTH COORDINATE:	480549.5	480549.5	480549.5	480549.5	480549.5
EAST COORDINATE:	1380231.87	1380231.87	1380231.87	1380231.87	1380231.87
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										2.75 MG/L		-	28.8 MG/L		-
INORGANICS															
ALUMINUM				.457 MG/L		-									
ANTIMONY				.046 MG/L		-									
ARSENIC				.002 MG/L		UJ									
BARIUM				.0781 MG/L		-									
BERYLLIUM				.0054 MG/L		-									
CADMIUM				.0065 MG/L		U									
CALCIUM				81 MG/L		J									
CHROMIUM				.119 MG/L		-									
COBALT				.019 MG/L		U									
COPPER				.0239 MG/L		-									
CYANIDE							.002 MG/L		UJ						
IRON				.0585 MG/L		-									
LEAD				.002 MG/L		U									
MAGNESIUM				26.8 MG/L		J									
MANGANESE				.0179 MG/L		-									
MERCURY				.0002 MG/L		UR									
NICKEL				.02 MG/L		U									
POTASSIUM				3.44 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.0464 MG/L		-									
SODIUM				12.5 MG/L		J									
THALLIUM				.002 MG/L		UJ									
VANADIUM				.0397 MG/L		-									
ZINC				.0193 MG/L		-									
PESTICIDES															
4,4'-DDD							.1 UG/L		U						

SAMPLE NUMBER:	045191			066909			066909			045734			045192		
LAB:	WMCO			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)
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	7100 PCI/L		NV				3570 PCI/L	840	J						
URANIUM, TOTAL	16000 PCI/L		NV				17600 UG/L	2260	-						
URANIUM-234	9300 PCI/L		NV				4530 PCI/L	1060	J						
THORIUM-230							3.92 PCI/L	1.07	-						
RADIUM-226							1.27 PCI/L	.32	N						
URANIUM-235/236							343 PCI/L	92	J						
THORIUM-232							1.41 PCI/L	.66	-						
THORIUM, TOTAL							12.7 UG/L	5.9	-						
RADIUM-228							3.33 PCI/L	1.1	-						
THORIUM-228							2.41 PCI/L	.83	-						
NEPTUNIUM-237							6.1 PCI/L		R						
PLUTONIUM-239/240							1 PCI/L		UJ						
PLUTONIUM-238							1 PCI/L		UJ						
STRONTIUM-90							5 PCI/L		U						
TECHNETIUM-99							332 PCI/L	44	J						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
URANIUM-235	400 PCI/L		NV				343 PCI/L	92	J						

SAMPLE NUMBER:	045191			066909			066909			045734			045192		
LAB:	WMCO			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)
RADIONUCLIDES															
URANIUM-236	300 PCI/L		NV												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							10 UG/L		U						
1,2-DICHLOROBENZENE							4 UG/L		J						
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		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		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		UJ						
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						
CHRYSENE							10 UG/L		U						

SAMPLE NUMBER:	045191			066909			066909			045734			045192		
LAB:	WMCO			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															
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						
VOLATILES															
1,1,1-TRICHLOROETHANE							2 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							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		U						
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						

SAMPLE NUMBER:	045191			066909			066909			045734			045192		
LAB:	WMCO			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		UJ						
METHYLENE CHLORIDE							5 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						
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:	045733			045740			045145			120267			120267F		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	IT			IT			WMCO			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	1209			1210			1210			1210			1210		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-OCT-89			02-JUL-90			05-MAY-89			14-JUL-93			14-JUL-93		
NORTH COORDINATE:	480549.5			480485.42			480485.42			480485.42			480485.42		
EAST COORDINATE:	1380231.87			1379844.46			1379844.46			1379844.46			1379844.46		
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										220 MG/L		-			
AMMONIA										.44 MG/L		-			
CHLORIDE										11 MG/L		-			
FLUORIDE										.6 MG/L		-			
NITRATE				.1 MG/L		UJ				.07 MG/L		-			
NITRATE/NITRITE										.07 MG/L		-			
PHENOLS										.002 MG/L		U			
PHOSPHORUS										1.8 MG/L		-			
SULFATE										78 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN										.9 MG/L		-			
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.46 MG/L		-			
INORGANICS															
ALUMINUM										27.5 MG/L		-	.454 MG/L		-
ANTIMONY										.0157 MG/L		U	.0157 MG/L		U
ARSENIC										.0049 MG/L		-	.0014 MG/L		-
BARIUM										.197 MG/L		-	.0464 MG/L		-
BERYLLIUM										.0013 MG/L		U	.0003 MG/L		U
CADMIUM										.0012 MG/L		U	.0012 MG/L		U
CALCIUM										318 MG/L		-	68.3 MG/L		-
CHROMIUM										.0431 MG/L		-	.0126 MG/L		U
COBALT										.0195 MG/L		U	.0034 MG/L		U
COPPER										.0403 MG/L		-	.0032 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON										56.7 MG/L		-	.824 MG/L		-
LEAD										.0239 MG/L		-	.001 MG/L		UJ
MAGNESIUM										125 MG/L		-	32.4 MG/L		-
MANGANESE										1.01 MG/L		-	.0127 MG/L		U

SAMPLE NUMBER:	045733			045740			045145			120267			120267F		
LAB:	IT			IT			WMCO			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)
INORGANICS															
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.0519 MG/L		-	.0098 MG/L		U
POTASSIUM										6.83 MG/L		-	.8 MG/L		-
SELENIUM										.002 MG/L		UJ	.002 MG/L		UJ
SILVER										.0029 MG/L		UJ	.0029 MG/L		UJ
SODIUM										11.6 MG/L		-	10.9 MG/L		-
THALLIUM										.001 MG/L		UJ	.001 MG/L		UJ
VANADIUM										.0352 MG/L		-	.0029 MG/L		U
ZINC										.163 MG/L		-	.0046 MG/L		-
RADIONUCLIDES															
URANIUM-238							3.3 PCI/L		NV						
URANIUM, TOTAL	13300 UG/L	1800	-				6.5 PCI/L		NV						
URANIUM-234							3.2 PCI/L		NV						
URANIUM-235							.14 PCI/L		NV						
URANIUM-236							.01 PCI/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		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		UJ			
BENZENE										10 UG/L		U			
BROMODICHLOROMETHANE										10 UG/L		U			
BROMOFORM										1 UG/L		J			
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										1 UG/L		J			
ETHYLBENZENE										10 UG/L		U			
METHYLENE CHLORIDE										10 UG/L		U			
STYRENE										10 UG/L		U			

SAMPLE NUMBER:	045733			045740			045145			120267			120267F		
LAB:	IT			IT			WMCO			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)
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:	120268	120268F	120270	120270F	045738
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	CORE	CORE	FERMCO	FERMCO	IT
WELL OR BORING NUMBER:	1210	1210	1210	1210	1210
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JUL-93	14-JUL-93	14-JUL-93	14-JUL-93	22-OCT-89
NORTH COORDINATE:	480485.42	480485.42	480485.42	480485.42	480485.42
EAST COORDINATE:	1379844.46	1379844.46	1379844.46	1379844.46	1379844.46
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	7.9 PCI/L	1.4	J	14.8 PCI/L	1.5	J									
URANIUM, TOTAL	55.3 UG/L	3.7	-	51.8 UG/L	3.6	-	41 UG/L		NV	47 UG/L		NV			
URANIUM-234	6.7 PCI/L	1.3	J	13.9 PCI/L	1.4	J									
THORIUM-230	1.8 PCI/L	.5	-	.7 PCI/L	.3	-									
RADIUM-226	1.8 PCI/L	.6	J	1 PCI/L	.4	UJ									
URANIUM-235/236	.4 PCI/L	.9	J	.5 PCI/L	.5	J									
THORIUM-232	.2 PCI/L	.2	U	.2 PCI/L	.1	U									
THORIUM, TOTAL	1.82415028 PCI/L		NV												
RADIUM-228	3 PCI/L	1	U	3 PCI/L	1.2	U									
THORIUM-228	.5 PCI/L	.3	-	.2 PCI/L	.3	U									
TECHNETIUM-99	15 PCI/L	8.4	U	15.4 PCI/L	9.3	U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045739			045744			045193			045194			045743		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			WMCO			IT			IT		
WELL OR BORING NUMBER:	1210			1211			1211			1211			1211		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-OCT-89			02-JUL-90			02-JUN-89			22-OCT-89			22-OCT-89		
NORTH COORDINATE:	480485.42			480489.22			480489.22			480489.22			480489.22		
EAST COORDINATE:	1379844.46			1380040.12			1380040.12			1380040.12			1380040.12		
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															
NITRATE				.28 MG/L		-				.71 MG/L		U			
RADIONUCLIDES															
URANIUM-238							370 PCI/L		NV						
URANIUM, TOTAL	8.4 UG/L	.9	-				1108 UG/L		NV				1370 UG/L	190	-
URANIUM-234							320 PCI/L		NV						
URANIUM-235							18 PCI/L		NV						
URANIUM-236							.86 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045745	046825	066911	046824	098925
TASK:	3.7	3.7	3.7	3.7	50.03.07
LAB:	IT	IT	IT	IT	WMCO
WELL OR BORING NUMBER:	1211	1212	1212	1212	1212
DEPTH:	-	-	-10.3	-	-
DATE COLLECTED:	29-JUL-90	06-MAY-90	16-JUL-90	18-JAN-90	23-JUN-92
NORTH COORDINATE:	480489.22	480483.6	480483.6	480483.6	480483.6
EAST COORDINATE:	1380040.12	1380175.49	1380175.49	1380175.49	1380175.49
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	.52 MG/L		-	3.64 MG/L		-				3 MG/L		-			
INORGANICS															
ALUMINUM							.422 MG/L		-						
ANTIMONY							.0588 MG/L		-						
ARSENIC							.002 MG/L		UJ						
BARIUM							.118 MG/L		J						
BERYLLIUM							.0043 MG/L		-						
CADMIUM							.01 MG/L		U						
CALCIUM							138 MG/L		J						
CHROMIUM							.124 MG/L		-						
COBALT							.0218 MG/L		U						
COPPER							.0296 MG/L		-						
CYANIDE							.002 MG/L		UJ						
IRON							.0578 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							47.4 MG/L		J						
MANGANESE							.564 MG/L		J						
MERCURY							.0045 MG/L		-						
NICKEL							.038 MG/L		-						
POTASSIUM							1.64 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0504 MG/L		-						
SODIUM							33.1 MG/L		J						
THALLIUM							.002 MG/L		UJ						
VANADIUM							.0468 MG/L		-						
ZINC							.0179 MG/L		-						
PESTICIDES															
4,4'-DDD							.1 UG/L		U						

SAMPLE NUMBER:	045745			046825			066911			046824			098925		
LAB:	IT			IT			IT			IT			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)
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	359 PCI/L	84	J				1900 PCI/L	700	J						
URANIUM, TOTAL	1680 UG/L	230	-				17900 UG/L	2300	-	25100 UG/L	3300	-	8000 UG/L		NV
URANIUM-234	370 PCI/L	87	J				1760 PCI/L	650	J						
THORIUM-230	1 PCI/L		U				3.59 PCI/L	1.3	J						
RADIUM-226	4.31 PCI/L	.7	NV				1.01 PCI/L	.28	N						
URANIUM-235/236	23.1 PCI/L	7.1	J				280 PCI/L	108	J						
THORIUM-232	1 PCI/L		U				4.23 PCI/L	1.43	J						
THORIUM, TOTAL	5.1 UG/L		U				38.2 UG/L	12.9	J						
RADIUM-228	3 PCI/L		UJ				3 PCI/L		U						
THORIUM-228	1.09 PCI/L	.54	-				1.13 PCI/L	.75	J						
NEPTUNIUM-237	1 PCI/L		U				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	71.6 PCI/L	26.1	R				129 PCI/L	25	J						
RUTHENIUM-106	150 PCI/L		UJ				150 PCI/L		R						
CESIUM-137	20 PCI/L		UJ				20 PCI/L		R						

001894

SEMIVOLATILES

1,2,4-TRICHLOROBENZENE 10 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045745			046825			066911			046824			098925		
LAB:	IT			IT			IT			IT			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)
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		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		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		UJ						
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						
CHRYSENE							10 UG/L		U						
DI-N-BUTYL PHTHALATE							10 UG/L		U						

SAMPLE NUMBER:	045745			046825			066911			046824			098925		
LAB:	IT			IT			IT			IT			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)
SEMIVOLATILES															
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						
VOLATILES															
1,1,1-TRICHLOROETHANE							16 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							1 UG/L		J						
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		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							5 UG/L		U						
CHLOROMETHANE							10 UG/L		U						

SAMPLE NUMBER:	045745			046825			066911			046824			098925		
LAB:	IT			IT			IT			IT			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															
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 1 WELLS

SAMPLE NUMBER:	098931			098931			099028			099028			099028		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			IT			IT-KNOX			IT		
WELL OR BORING NUMBER:	1212			1212			1213			1213			1213		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-JUN-92			23-JUN-92			03-NOV-92			03-NOV-92			03-NOV-92		
NORTH COORDINATE:	480483.6			480483.6			480519.86			480519.86			480519.86		
EAST COORDINATE:	1380175.49			1380175.49			1380217.86			1380217.86			1380217.86		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:							099030			099030			099030		
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										290 MG/L		-			
AMMONIA				.1 MG/L		U				.3 MG/L		-			
CHLORIDE				17.7 MG/L		-							8.15 MG/L		-
FLUORIDE				.44 MG/L		-				1.5 MG/L		-			
NITRATE				18.7 MG/L		-				.1 MG/L		UJ			
NITRATE/NITRITE				18.7 MG/L		-									
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				.42 MG/L		-				1.72 MG/L		-			
SULFATE				60.1 MG/L		-				60.7 MG/L		-			
SULFIDE				1.1 MG/L		U				5.45 MG/L		-			
TOTAL ORGANIC CARBON				1.728 MG/L		-				2.9 MG/L		-			
TOTAL ORGANIC HALIDES				11.2 MG/L		-				20.1 MG/L		-			
TOTAL ORGANIC NITROGEN				.42 MG/L		R				.86 MG/L		-			
INORGANICS															
ALUMINUM	.104 MG/L		NV				.165 MG/L		U						
ANTIMONY							.005 MG/L		U						
ARSENIC	.002 MG/L		UNV				.0034 MG/L		J						
BARIUM	.0686 MG/L		NV				.0877 MG/L		-						
BERYLLIUM							.002 MG/L		-						
CADMIUM	.005 MG/L		UNV				.005 MG/L		-						
CALCIUM	117 MG/L		NV				84 MG/L		-						
CHROMIUM	.01 MG/L		UNV				.01 MG/L		-						
COBALT							.01 MG/L		-						
COPPER	.01 MG/L		UNV				.01 MG/L		-						
CYANIDE													.002 MG/L		U
IRON	.02 MG/L		UNV				.125 MG/L		-						
LEAD	.002 MG/L		UNV				.0025 MG/L		-						
MAGNESIUM	40.7 MG/L		NV				29.9 MG/L		-						
MANGANESE	.533 MG/L		NV				1.3 MG/L		-						
MERCURY	.0002 MG/L		UNV				.0002 MG/L		-						

SAMPLE NUMBER:	098931			098931			099028			099028			099028		
LAB:	IT			IT			IT			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		UNV				.02 MG/L		-						
NICKEL	.02 MG/L		UNV				.02 MG/L		-						
POTASSIUM	1.08 MG/L		NV				2.18 MG/L		-						
SELENIUM	.002 MG/L		UNV				.002 MG/L		UJ						
SILICON	5.84 MG/L		NV				5.66 MG/L		-						
SILVER	.01 MG/L		UNV				.01 MG/L		-						
SODIUM	24.3 MG/L		NV				11 MG/L		-						
THALLIUM							.01 MG/L		-						
VANADIUM	.01 MG/L		UNV				.01 MG/L		-						
ZINC							.005 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, TOTAL	7340 UG/L	1130	-												
THORIUM-230	1 PCI/L		U												
RADIUM-226	1 PCI/L		UJ												
THORIUM-232	1 PCI/L		U												

SAMPLE NUMBER:	098931			098931			099028			099028			099028		
LAB:	IT			IT			IT			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, TOTAL	1 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		UJ												
TECHNETIUM-99	184 PCI/L	28	J												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	20 PCI/L		UJ												
GROSS ALPHA	4360 PCI/L	450	NV												
GROSS BETA	2370 PCI/L	240	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
BENZO(G,H,I)PERYLENE													10 UG/L		U

SAMPLE NUMBER:	098931			098931			099028			099028			099028		
LAB:	IT			IT			IT			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															
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													110 UG/L		-
VOLATILES															
1,1,1-TRICHLOROETHANE				7 UG/L		-							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				6 UG/L		-							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				10 UG/L		U							10 UG/L		UJ

SAMPLE NUMBER:	098931			098931			099028			099028			099028		
LAB:	IT			IT			IT			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															
4-METHYL-2-PENTANONE				10 UG/L		U							10 UG/L		UJ
ACETONE				10 UG/L		U							4 UG/L		J
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							6 UG/L		UJ
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:	099028	099029	045223	108858	066912
TASK:	50.03.07	50.03.07	3.7	50.03.07	3.7
LAB:	IT/RSL	IT	WMCO	IT	IT
WELL OR BORING NUMBER:	1213	1213	1213	1213	1213
DEPTH:	-	-	-	-	-9.65
DATE COLLECTED:	03-NOV-92	03-NOV-92	06-JUN-89	09-MAR-93	16-JUL-90
NORTH COORDINATE:	480519.86	480519.86	480519.86	480519.86	480519.86
EAST COORDINATE:	1380217.86	1380217.86	1380217.86	1380217.86	1380217.86
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:	099030				
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				1 MG/L		U									
INORGANICS															
ALUMINUM													.345 MG/L		-
ANTIMONY													.0396 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.163 MG/L		-
BERYLLIUM													.0037 MG/L		-
CADMIUM													.0075 MG/L		U
CALCIUM													115 MG/L		J
CHROMIUM													.103 MG/L		-
COBALT													.0173 MG/L		U
COPPER													.0221 MG/L		-
CYANIDE													.002 MG/L		UJ
IRON													.121 MG/L		-
LEAD													.002 MG/L		U
MAGNESIUM													40.9 MG/L		J
MANGANESE													1.93 MG/L		J
MERCURY													.0002 MG/L		UR
NICKEL													.0282 MG/L		-
POTASSIUM													2.59 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.0428 MG/L		-
SODIUM													21.2 MG/L		J
THALLIUM													.002 MG/L		UJ
VANADIUM													.038 MG/L		-
ZINC													.0162 MG/L		-
RADIONUCLIDES															
URANIUM-238							12000 PCI/L		NV	4180 PCI/L	956	J			

SAMPLE NUMBER:	099028			099029			045223			108858			066912		
LAB:	IT/RSL			IT			WMCO			IT			IT		
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															
URANIUM, TOTAL	9540 UG/L	1300	-				35762.72 PCI/L		NV	11200 UG/L	1500	-			
URANIUM-234							17000 PCI/L		NV	4920 PCI/L	111	J			
THORIUM-230										.2 PCI/L	.1	UJ			
RADIUM-226	1 PCI/L	.2	UJ							1 PCI/L	.09	UJ			
URANIUM-235/236										247 PCI/L	115	J			
THORIUM-232										.2 PCI/L		UJ			
THORIUM, TOTAL										.51 UG/L		UJ			
RADIUM-228	3 PCI/L	1.1	UJ							3 PCI/L		UJ			
THORIUM-228										.2 PCI/L		UJ			
PLUTONIUM-239/240										.5 PCI/L	.1115	UJ			
PLUTONIUM-238										.913 PCI/L	.291	J			
STRONTIUM-90	1 PCI/L		UJ							1.4 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 PCI/L		UJ							12 PCI/L		UJ			
GROSS ALPHA	6600 PCI/L	670	NV							9500 PCI/L	960	NV			
GROSS BETA	3450 PCI/L	350	NV							4010 PCI/L	400	NV			
URANIUM-235							680 PCI/L		NV	247 PCI/L	115	J			
URANIUM-236							450 PCI/L		NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066912	066912	045748	045224	045747
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1213	1213	1213	1213	1213
DEPTH:	-9.65	-9.65	-	-	-
DATE COLLECTED:	16-JUL-90	16-JUL-90	18-FEB-90	22-OCT-89	22-OCT-89
NORTH COORDINATE:	480519.86	480519.86	480519.86	480519.86	480519.86
EAST COORDINATE:	1380217.86	1380217.86	1380217.86	1380217.86	1380217.86
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)
GENERAL CHEMISTRY															
NITRATE							.1 MG/L		U	.1 MG/L		U			
PESTICIDES															
4,4'-DDD	.5 UG/L		UR	.1 UG/L		U									
4,4'-DDE	.5 UG/L		UR	.1 UG/L		U									
4,4'-DDT	.5 UG/L		UR	.1 UG/L		U									
ALDRIN	.25 UG/L		UR	.05 UG/L		U									
ALPHA-BHC	.25 UG/L		UR	.05 UG/L		U									
ALPHA-CHLORDANE	2.5 UG/L		UR	.5 UG/L		U									
AROCLOR-1016	2.5 UG/L		UR	.5 UG/L		U									
AROCLOR-1221	2.5 UG/L		UR	.5 UG/L		U									
AROCLOR-1232	2.5 UG/L		UR	.5 UG/L		U									
AROCLOR-1242	2.5 UG/L		UR	.5 UG/L		U									
AROCLOR-1248	2.5 UG/L		UR	.5 UG/L		U									
AROCLOR-1254	5 UG/L		UR	1 UG/L		U									
AROCLOR-1260	5 UG/L		UR	1 UG/L		U									
BETA-BHC	.25 UG/L		UR	.05 UG/L		U									
DELTA-BHC	.25 UG/L		UR	.05 UG/L		U									
DIELDRIN	.5 UG/L		UR	.1 UG/L		U									
ENDOSULFAN II	.5 UG/L		UR	.1 UG/L		U									
ENDOSULFAN SULFATE	.5 UG/L		UR	.1 UG/L		U									
ENDOSULFAN-I	.25 UG/L		UR	.05 UG/L		U									
ENDRIN	.5 UG/L		UR	.1 UG/L		U									
ENDRIN KETONE	.5 UG/L		UR	.1 UG/L		U									
GAMMA-BHC (LINDANE)	.25 UG/L		UR	.05 UG/L		U									
GAMMA-CHLORDANE	2.5 UG/L		UR	.5 UG/L		U									
HEPTACHLOR	.25 UG/L		UR	.05 UG/L		U									
HEPTACHLOR EPOXIDE	.25 UG/L		UR	.05 UG/L		U									
METHOXYCHLOR	2.5 UG/L		UR	.5 UG/L		U									
TOXAPHENE	5 UG/L		UR	1 UG/L		U									

RADIONUCLIDES

URANIUM-238 4240 PCI/L 580 J
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

DRAFT
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SAMPLE NUMBER:	066912			066912			045748			045224			045747		
LAB:	IT			IT			IT			IT			IT		
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)
RADIONUCLIDES															
URANIUM, TOTAL				4550 UG/L	660	-							17300 UG/L	2400	-
URANIUM-234				5060 PCI/L	680	J									
THORIUM-230				2.68 PCI/L	1.63	-									
RADIUM-226				2.22 PCI/L	.48	N									
URANIUM-235/236				301 PCI/L	680	J									
THORIUM-232				2.24 PCI/L	1.53	-									
THORIUM, TOTAL				20.2 UG/L	13.8	-									
RADIUM-228				4.28 PCI/L	1.07	-									
THORIUM-228				2 PCI/L		U									
NEPTUNIUM-237				8.6 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		UJ									
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		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									

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SAMPLE NUMBER:	066912			066912			045748			045224			045747		
LAB:	IT			IT			IT			IT			IT		
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															
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		UJ									
BENZYL ALCOHOL				10 UG/L		U									
BIS(2-CHLOROETHOXY)METHANE				10 UG/L		UJ									
BIS(2-CHLOROETHYL)ETHER				10 UG/L		UJ									
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		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		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		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									

SAMPLE NUMBER:	066912			066912			045748			045224			045747		
LAB:	IT			IT			IT			IT			IT		
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)
VOLATILES															
1,1,2-TRICHLOROETHANE				5 UG/L		U									
1,1-DICHLOROETHANE				4 UG/L		J									
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		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				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 1 WELLS

SAMPLE NUMBER:	046789	046788	120256	120256	120257
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	TCT	TCT	CORE
WELL OR BORING NUMBER:	1214	1214	1214	1214	1214
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-MAY-90	16-JAN-90	29-JUN-93	29-JUN-93	29-JUN-93
NORTH COORDINATE:	480469.95	480469.95	480469.95	480469.95	480469.95
EAST COORDINATE:	1380286.69	1380286.69	1380286.69	1380286.69	1380286.69
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										522 MG/L		-			
AMMONIA										.144 MG/L		J			
CHLORIDE										9.16 MG/L		-			
FLUORIDE										.18 MG/L		-			
NITRATE	321 MG/L		-	386 MG/L		-									
NITRITE, AS NITROGEN										51.6 MG/L		-			
PHENOLS										.0129 MG/L		-			
PHOSPHATE										.314 MG/L		R			
SULFATE										95.62 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL KJELDAHL NITROGEN										.5 MG/L		UJ			
TOTAL ORGANIC CARBON										4.4 MG/L		J			
TOTAL ORGANIC HALIDES										.0495 MG/L		-			
TOTAL ORGANIC NITROGEN										.5 MG/L		U			
INORGANICS															
ALUMINUM							.186 MG/L		U	118 MG/L		-			
ANTIMONY							.014 MG/L		UJ	.014 MG/L		UJ			
ARSENIC							.0031 MG/L		J	.002 MG/L		UJ			
BARIUM							.0768 MG/L		-	.709 MG/L		-			
BERYLLIUM							.005 MG/L		U	.0099 MG/L		-			
CADMIUM							.005 MG/L		U	.021 MG/L		-			
CALCIUM							263 MG/L		-	886 MG/L		-			
CHROMIUM							.0432 MG/L		-	.202 MG/L		-			
COBALT							.017 MG/L		U	.079 MG/L		-			
COPPER							.0784 MG/L		-	.224 MG/L		-			
CYANIDE							.005 MG/L		U	.005 MG/L		U			
IRON							.07 MG/L		-	178 MG/L		-			
LEAD							.0014 MG/L		J	.0594 MG/L		J			
MAGNESIUM							96.6 MG/L		-	352 MG/L		-			
MANGANESE							.346 MG/L		-	3.67 MG/L		-			

SAMPLE NUMBER:	046789			046788			120256			120256			120257		
LAB:	IT			IT			TCT			TCT			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															
MERCURY							.0001 MG/L		U	.0001 MG/L		U			
MOLYBDENUM							.017 MG/L		U	.017 MG/L		U			
NICKEL							.018 MG/L		U	.202 MG/L		-			
POTASSIUM							2.38 MG/L		-	28.4 MG/L		-			
SELENIUM							.005 MG/L		UR	.025 MG/L		UR			
SILICON							6.38 MG/L		J	33.1 MG/L		J			
SILVER							.001 MG/L		U	.001 MG/L		U			
SODIUM							29 MG/L		-	28.5 MG/L		-			
THALLIUM							.001 MG/L		U	.0012 MG/L		-			
VANADIUM							.054 MG/L		-	.266 MG/L		-			
ZINC							.0344 MG/L		U	.551 MG/L		-			
RADIONUCLIDES															
URANIUM-238													18300 PCI/L	3390	-
URANIUM, TOTAL				2156 UG/L	247	-							75400 UG/L	5280	-
URANIUM-234													23100 PCI/L	4170	J
THORIUM-230													.4 PCI/L	.4	J
RADIUM-226													5.1 PCI/L	.8	J
URANIUM-235/236													1850 PCI/L	601	-
THORIUM-232													.2 PCI/L	1	U
THORIUM, TOTAL													1.82408084 PCI/L	1	NV
RADIUM-228													3 PCI/L	1.4	U
THORIUM-228													.5 PCI/L	1.4	-
TECHNETIUM-99													1400 PCI/L	78.9	-
GROSS ALPHA													36500 PCI/L	460	NV
GROSS BETA													16000 PCI/L	172	NV
VOLATILES															
1,1,1-TRICHLOROETHANE										7 UG/L		J			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		U			
1,1,2-TRICHLOROETHANE										10 UG/L		U			
1,1-DICHLOROETHANE										3 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		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			

SAMPLE NUMBER:	046789			046788			120256			120256			120257		
LAB:	IT			IT			TCT			TCT			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										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										3 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		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120257F			120259			120259F			046638			046639		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	CORE			FERMCO			FERMCO			IT			IT		
WELL OR BORING NUMBER:	1214			1214			1214			1215			1215		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	29-JUN-93			29-JUN-93			29-JUN-93			01-NOV-89			01-NOV-89		
NORTH COORDINATE:	480469.95			480469.95			480469.95			480505.99			480505.99		
EAST COORDINATE:	1380286.69			1380286.69			1380286.69			1380534.02			1380534.02		
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													3.46 MG/L		-
RADIONUCLIDES															
URANIUM-238	108 PCI/L	134	J												
URANIUM, TOTAL	77600 UG/L	5430	-	57000 UG/L		NV	46000 UG/L		NV	1170 UG/L	170	-			
URANIUM-234	114 PCI/L	132	J												
THORIUM-230	.3 PCI/L	.2	UJ												
RADIUM-226	1 PCI/L	.3	UJ												
URANIUM-235/236	35.9 PCI/L	82.4	J												
THORIUM-232	.2 PCI/L	.1	UJ												
RADIUM-228	3 PCI/L	.8	UJ												
THORIUM-228	.8 PCI/L	.3	J												
TECHNETIUM-99	1030 PCI/L	57.4	J												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099004			099004			099007			098938			098938		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT			WMCO			IT			IT		
WELL OR BORING NUMBER:	1215			1215			1215			1215			1215		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-OCT-92			15-OCT-92			15-OCT-92			25-JUN-92			25-JUN-92		
NORTH COORDINATE:	480505.99			480505.99			480505.99			480505.99			480505.99		
EAST COORDINATE:	1380534.02			1380534.02			1380534.02			1380534.02			1380534.02		
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				258 MG/L		-									
AMMONIA				2.48 MG/L		-							2.32 MG/L		-
CHLORIDE				9.5 MG/L		-							10.1 MG/L		-
FLUORIDE				.7 MG/L		-							.66 MG/L		-
NITRATE				.283 MG/L		-							1.08 MG/L		-
NITRATE/NITRITE													1.08 MG/L		-
PHENOLS				.01 MG/L		U							.01 MG/L		U
PHOSPHORUS				.7 MG/L		-							1.23 MG/L		-
SULFATE				59.7 MG/L		J							19.9 MG/L		-
SULFIDE				.5 MG/L		U							.5 MG/L		U
TOTAL ORGANIC CARBON				1.42 MG/L		-							1.214 MG/L		-
TOTAL ORGANIC HALIDES				.0359 MG/L		-							.0222 MG/L		-
TOTAL ORGANIC NITROGEN				.6 MG/L		-							.1 MG/L		-
INORGANICS															
ALUMINUM	.03 MG/L		U							.03 MG/L		U			
ANTIMONY	.005 MG/L		U												
ARSENIC	.0025 MG/L		U							.002 MG/L		U			
BARIUM	.0486 MG/L		-							.046 MG/L		-			
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		U							.005 MG/L		U			
CALCIUM	77 MG/L		-							73.5 MG/L		-			
CHROMIUM	.01 MG/L		U							.01 MG/L		U			
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U							.01 MG/L		U			
CYANIDE	.002 MG/L		U												
IRON	.02 MG/L		U							.02 MG/L		U			
LEAD	.0025 MG/L		U							.002 MG/L		U			
MAGNESIUM	15 MG/L		-							14.8 MG/L		-			
MANGANESE	.0697 MG/L		-							.0609 MG/L		-			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099004			099004			099007			098938			098938		
LAB:	IT			IT			WMCO			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	.0315 MG/L		-							.0407 MG/L		-			
NICKEL	.02 MG/L		U							.02 MG/L		U			
POTASSIUM	6.6 MG/L		-							5.58 MG/L		-			
SELENIUM	.002 MG/L		U							.002 MG/L		UJ			
SILICON	4.45 MG/L		-							4.21 MG/L		-			
SILVER	.01 MG/L		U							.01 MG/L		UJ			
SODIUM	22.5 MG/L		-							22.9 MG/L		-			
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U							.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		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	468 PCI/L	67	R							544 PCI/L	108	J			
URANIUM, TOTAL	1300 UG/L	179	-				1100 UG/L		NV	1390 UG/L	200	-			
URANIUM-234	547 PCI/L	77	R							651 PCI/L	123	J			
THORIUM-230										1 PCI/L		U			

001613

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SAMPLE NUMBER:	099004			099004			099007			098938			098938		
LAB:	IT			IT			WMCO			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)
RADIONUCLIDES															
RADIUM-226	1 PCI/L		UJ							1 PCI/L		UJ			
URANIUM-235/236	25.5 PCI/L	8.8	R							46.9 PCI/L	24.2	J			
THORIUM-232										1 PCI/L		U			
THORIUM, TOTAL										1 UG/L		U			
RADIUM-228	3 PCI/L		UJ							3 PCI/L		UJ			
THORIUM-228										1 PCI/L		U			
NEPTUNIUM-237	.5 PCI/L	.192	UJ												
PLUTONIUM-239/240	1 PCI/L		R							1 PCI/L		U			
PLUTONIUM-238	1 PCI/L		R							1 PCI/L		U			
STRONTIUM-90	2.09 PCI/L	.483	J							5 PCI/L		UJ			
TECHNETIUM-99	76.1 PCI/L	18	J							98.9 PCI/L	19.1	J			
RUTHENIUM-106	150 PCI/L		UJ							150 PCI/L		UJ			
CESIUM-137	17.6 PCI/L		UJ							20 PCI/L		UJ			
GROSS ALPHA	1820 PCI/L	190	NV							1000 PCI/L	110	NV			
GROSS BETA	336 PCI/L	35	NV							327 PCI/L	35	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		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									
4-NITROPHENOL				50 UG/L		U									
ACENAPHTHENE				10 UG/L		U									
ACENAPHTHYLENE				10 UG/L		U									
ANTHRACENE				10 UG/L		U									

SAMPLE NUMBER:	099004			099004			099007			098938			098938		
LAB:	IT			IT			WMCO			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)
SEMIVOLATILES															
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									
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				50 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				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		UJ							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

001915

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SAMPLE NUMBER:	099004			099004			099007			098938			098938		
LAB:	IT			IT			WMCO			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															
1,2-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							1 UG/L		J
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		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				3 UG/L		J							2 UG/L		J
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:	098939			046640			046641			046632			046633		
TASK:	50.03.07			3.7			3.7			3.7			3.7		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1215			1215			1215			1216			1216		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-JUN-92			29-JUL-90			29-JUL-90			01-NOV-89			01-NOV-89		
NORTH COORDINATE:	480505.99			480505.99			480505.99			480465.42			480465.42		
EAST COORDINATE:	1380534.02			1380534.02			1380534.02			1380461.5			1380461.5		
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							1.59 MG/L		-				89.6 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	1300 UG/L		NV	2090 UG/L	271	-				215 UG/L	35	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046634	046635	120201	120201F	120203
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	1216	1216	1216	1216	1216
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-NOV-89	01-NOV-89	09-JUN-93	09-JUN-93	09-JUN-93
NORTH COORDINATE:	480465.42	480465.42	480465.42	480465.42	480465.42
EAST COORDINATE:	1380461.5	1380461.5	1380461.5	1380461.5	1380461.5
QA TYPE:	DUPLICATE	DUPLICATE	NORMAL	NORMAL	NORMAL
QC OF:	046632	046633			
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		-						
AMMONIA							.08 MG/L		-						
CHLORIDE							16 MG/L		-						
FLUORIDE							.7 MG/L		-						
NITRATE				88.7 MG/L		-	12 MG/L		-						
NITRATE/NITRITE							12 MG/L		-						
PHENOLS							.002 MG/L		U						
PHOSPHORUS							3 MG/L		-						
SULFATE							120 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.03 MG/L		-						
INORGANICS															
ALUMINUM							33 MG/L		-	.06 MG/L		U			
ANTIMONY							.0157 MG/L		U	.0157 MG/L		U			
ARSENIC							.0048 MG/L		-	.001 MG/L		U			
BARIUM							.202 MG/L		-	.0254 MG/L		-			
BERYLLIUM							.0026 MG/L		U	.00062 MG/L		U			
CADMIUM							.0012 MG/L		U	.0012 MG/L		U			
CALCIUM							321 MG/L		-	125 MG/L		-			
CHROMIUM							.0548 MG/L		-	.0067 MG/L		U			
COBALT							.0273 MG/L		U	.0034 MG/L		U			
COPPER							.0635 MG/L		-	.0024 MG/L		U			
CYANIDE							.01 MG/L		U	.01 MG/L		U			
IRON							73.2 MG/L		-	.0307 MG/L		U			
LEAD							.0156 MG/L		-	.001 MG/L		U			
MAGNESIUM							103 MG/L		-	30.6 MG/L		-			
MANGANESE							1.23 MG/L		-	.184 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0624 MG/L		-	.0123 MG/L		U			

SAMPLE NUMBER:	046634			046635			120201			120201F			120203		
LAB:	IT			IT			DATACHEM			DATACHEM			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)
INORGANICS															
POTASSIUM							10.7 MG/L		-	2.71 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		U			
SILVER							.0029 MG/L		UJ	.0029 MG/L		UJ			
SODIUM							17.5 MG/L		-	16.5 MG/L		-			
THALLIUM							.001 MG/L		U	.001 MG/L		U			
VANADIUM							.0695 MG/L		-	.0029 MG/L		U			
ZINC							.37 MG/L		-	.0126 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	243 UG/L	41	J										390 UG/L		NV
VOLATILES															
1,1,1-TRICHLOROETHANE							3 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						
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		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							4 UG/L		J						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120203F			120204			120204F			046636			046637		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	FERMCO			CORE			CORE			IT			IT		
WELL OR BORING NUMBER:	1216			1216			1216			1216			1216		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	09-JUN-93			09-JUN-93			09-JUN-93			12-AUG-90			12-AUG-90		
NORTH COORDINATE:	480465.42			480465.42			480465.42			480465.42			480465.42		
EAST COORDINATE:	1380461.5			1380461.5			1380461.5			1380461.5			1380461.5		
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													52 MG/L		-
RADIONUCLIDES															
URANIUM-238				162 PCI/L	17.9	J	146 PCI/L	24.7	J						
URANIUM, TOTAL	420 UG/L		NV	508 UG/L	35.6	-	408 UG/L	28.5	-	244 UG/L	37	-			
URANIUM-234				202 PCI/L	22.8	J	179 PCI/L	29.7	J						
THORIUM-230				.8 PCI/L	.4	J	.3 PCI/L	.2	R						
RADIUM-226				2.8 PCI/L	.7	-	1 PCI/L	.3	UJ						
URANIUM-235/236				7.7 PCI/L	2.2	J	8.3 PCI/L	2.9	J						
THORIUM-232				.3 PCI/L	.3	J	.1 PCI/L	.3	R						
THORIUM, TOTAL				2.73611288 PCI/L	.3	NV									
RADIUM-228				3 PCI/L	1.3	U	3 PCI/L	1	U						
THORIUM-228				.6 PCI/L	.4	J	.1 PCI/L	.4	R						
TECHNETIUM-99				290 PCI/L	22	J	239 PCI/L	20.3	J						
GROSS ALPHA				331 PCI/L	30.4	NV	173 PCI/L	9.9	NV						
GROSS BETA				358 PCI/L	20.4	NV	233 PCI/L	6.8	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046734			046735			046736			046737			045144		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			WMCO		
WELL OR BORING NUMBER:	1217			1217			1217			1217			1218		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-JAN-90			18-JAN-90			22-AUG-90			22-AUG-90			05-MAY-89		
NORTH COORDINATE:	480504.69			480504.69			480504.69			480504.69			480411.88		
EAST COORDINATE:	1380625.12			1380625.12			1380625.12			1380625.12			1379952.56		
QA TYPE:	NORMAL			DUPLICATE			NORMAL			NORMAL			NORMAL		
QC OF:				046734											
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	29.9 MG/L		-	27.4 MG/L		-				22.8 MG/L		-			
RADIONUCLIDES															
URANIUM-238													21 PCI/L		NV
URANIUM, TOTAL	3606 UG/L	.596	-	5391 UG/L	741	-	3430 UG/L	530	-				43 PCI/L		NV
URANIUM-234													15 PCI/L		NV
URANIUM-235													1 PCI/L		NV
URANIUM-236													.28 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045753	118304	118305	118308	118309
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	LOCKHEED	LOCKHEED	FERMCO	FERMCO
WELL OR BORING NUMBER:	1218	1218	1218	1218	1218
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-MAY-90	17-MAY-93	17-MAY-93	17-MAY-93	17-MAY-93
NORTH COORDINATE:	480411.88	480411.88	480411.88	480411.88	480411.88
EAST COORDINATE:	1379952.56	1379952.56	1379952.56	1379952.56	1379952.56
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	7.7 MG/L		-	.51 MG/L		-									
NITRATE/NITRITE				.51 MG/L		-									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				1.3 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
INORGANICS															
ALUMINUM				14.7 MG/L		-	.014 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0036 MG/L		UJ	.001 MG/L		UJ						
BARIUM				.124 MG/L		-	.0307 MG/L		-						
BERYLLIUM				.0019 MG/L		U	.001 MG/L		U						
CADMIUM				.0051 MG/L		J	.003 MG/L		U						
CALCIUM				277 MG/L		-	166 MG/L		-						
CHROMIUM				.0174 MG/L		J	.004 MG/L		UJ						
COBALT				.0105 MG/L		-	.006 MG/L		U						
COPPER				.0256 MG/L		U	.004 MG/L		U						
CYANIDE				.01 MG/L		UJ	.01 MG/L		UJ						
IRON				29.6 MG/L		-	.0274 MG/L		U						
LEAD				.0103 MG/L		UJ	.0012 MG/L		UJ						
MAGNESIUM				105 MG/L		-	59.4 MG/L		-						
MANGANESE				.42 MG/L		-	.0037 MG/L		U						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.03 MG/L		U	.019 MG/L		U						
POTASSIUM				4.63 MG/L		-	.505 MG/L		U						
SELENIUM				.002 MG/L		UJ	.001 MG/L		UJ						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				19.4 MG/L		-	20.2 MG/L		-						

SAMPLE NUMBER:	045753			118304			118305			118308			118309		
LAB:	IT			LOCKHEED			LOCKHEED			FERMCO			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															
THALLIUM				.001 MG/L		UJ	.001 MG/L		UJ						
VANADIUM				.0374 MG/L		U	.0058 MG/L		U						
ZINC				.0851 MG/L		-	.006 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL										74 UG/L		NV	98 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 CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118310	118311	045751	045752	045195
TASK:	50.03.23	50.03.23	3.7	3.7	3.7
LAB:	CORE	CORE	IT	IT	WMCO
WELL OR BORING NUMBER:	1218	1218	1218	1218	1219
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAY-93	17-MAY-93	22-OCT-89	22-OCT-89	02-JUN-89
NORTH COORDINATE:	480411.88	480411.88	480411.88	480411.88	480402.02
EAST COORDINATE:	1379952.56	1379952.56	1379952.56	1379952.56	1380090.95
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						
RADIONUCLIDES															
URANIUM-238	34.2 PCI/L	4.2	J	37.3 PCI/L	4.5	J							510 PCI/L		NV
URANIUM, TOTAL	82.1 UG/L	5.7	J	91.6 UG/L	6.4	J				58 UG/L	6	J	1100 PCI/L		NV
URANIUM-234	33.1 PCI/L	4.1	J	30.7 PCI/L	3.8	J							640 PCI/L		NV
THORIUM-230	.3 PCI/L	.3	J	.2 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.6	UJ	1 PCI/L	.5	UJ									
URANIUM-235/236	2 PCI/L	.7	J	3 PCI/L	.8	J									
THORIUM-232	.5 PCI/L	.3	J	.2 PCI/L	.2	UJ									
THORIUM, TOTAL	4.56005148 PCI/L		NV												
RADIUM-228	3 PCI/L	1.3	UJ	3 PCI/L	1.3	UJ									
THORIUM-228	.3 PCI/L	.2	J	.2 PCI/L	.2	UJ									
GROSS ALPHA	52.5 PCI/L	17.5	NV	48.5 PCI/L	6.4	NV									
GROSS BETA	60 PCI/L	14.6	NV	47.9 PCI/L	4.3	NV									
URANIUM-235	2 PCI/L	.7	J	3 PCI/L	.8	J							25 PCI/L		NV
URANIUM-236													6 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045758	045196	045756	045197	045198
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1219	1219	1219	1220	1220
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-MAY-90	22-OCT-89	22-OCT-89	04-JUN-89	22-OCT-89
NORTH COORDINATE:	480402.02	480402.02	480402.02	480397.05	480397.05
EAST COORDINATE:	1380090.95	1380090.95	1380090.95	1380209.37	1380209.37
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	9.18 MG/L		J	22.2 MG/L		-							6.77 MG/L		-
RADIONUCLIDES															
URANIUM-238										1500 PCI/L		NV			
URANIUM, TOTAL							1100 UG/L	150	-	4429 UG/L		NV			
URANIUM-234										1400 PCI/L		NV			
URANIUM-235										74 PCI/L		NV			
URANIUM-236										26 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045760			045762			045763			046794			046796		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1220			1220			1220			1221			1221		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-OCT-89			22-OCT-89			22-OCT-89			16-JAN-90			30-JUL-90		
NORTH COORDINATE:	480397.05			480397.05			480397.05			480445.44			480445.44		
EAST COORDINATE:	1380209.37			1380209.37			1380209.37			1380264.76			1380264.76		
QA TYPE:	NORMAL			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				045760			045198								
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							7.11 MG/L		-	4.79 MG/L		-	239 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	5660 UG/L	830	-	4330 UG/L	600	-				1636 UG/L	291	J			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062958	062958	062958	062959	046680
TASK:	04.23	04.23	04.23	04.23	3.7
LAB:	IT	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1223	1223	1223	1223	1223
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUL-92	10-JUL-92	10-JUL-92	10-JUL-92	21-JAN-90
NORTH COORDINATE:	480400.12	480400.12	480400.12	480400.12	480400.12
EAST COORDINATE:	1380287.03	1380287.03	1380287.03	1380287.03	1380287.03
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	F-FIL	F-UNF	NONE-UNF	NONE-FIL	NONE-UNF

	RESULT	SIGMA	VAL 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													.76 MG/L		-
INORGANICS															
ALUMINUM	.03 MG/L		U												
ANTIMONY	.03 MG/L		R												
ARSENIC	.002 MG/L		U												
BARIUM	.026 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		UJ												
CALCIUM	243 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	88.3 MG/L		-												
MANGANESE	.732 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	2.26 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	6.68 MG/L		-												
SILVER	.01 MG/L		R												
SODIUM	18.9 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.01 MG/L		U												
ZINC	.0102 MG/L		-												

PESTICIDES

4,4'-DDD .1 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	062958			062958			062958			062959			046680		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	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										75 UG/L		NV	176 UG/L	36	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						

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6416

SAMPLE NUMBER:	062958			062958			062958			062959			046680		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		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		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:	062958			062958			062958			062959			046680		
LAB:	IT			IT			IT			WMCO			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		UJ						
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		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							14 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							5 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046681			046682			046683			045199			045767		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1223			1223			1223			1224			1224		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	21-JAN-90			28-AUG-90			28-AUG-90			04-JUN-89			05-MAY-90		
NORTH COORDINATE:	480400.12			480400.12			480400.12			480359.18			480359.18		
EAST COORDINATE:	1380287.03			1380287.03			1380287.03			1380267.48			1380267.48		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	046680														
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	.89 MG/L		-				3.63 MG/L		-				.1 MG/L		U
RADIONUCLIDES															
URANIUM-238										1200 PCI/L		NV			
URANIUM, TOTAL	138 UG/L	21	-	27.9 UG/L	5.9	-				3699 UG/L		NV			
URANIUM-234										986 PCI/L		NV			
URANIUM-235										63 PCI/L		NV			
URANIUM-236										32 PCI/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045764			045765			046729			046730			046728		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			UNKNOWN			IT			IT			IT		
WELL OR BORING NUMBER:	1224			1224			1225			1225			1225		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	23-OCT-89			23-OCT-89			13-AUG-90			13-AUG-90			18-JAN-90		
NORTH COORDINATE:	480359.18			480359.18			480407.39			480407.39			480407.39		
EAST COORDINATE:	1380267.48			1380267.48			1380542.26			1380542.26			1380542.26		
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															
NITRATE				39.1 MG/L		-				84.6 MG/L		-	142 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	6880 UG/L	910	-				141 UG/L	20	-				222 UG/L	35	-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045770	045211	098909	098909	098909
TASK:	3.7	3.7	50.03.07	50.03.07	50.03.07
LAB:	IT	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1226	1226	1226	1226	1226
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-FEB-90	07-JUN-89	16-JUN-92	16-JUN-92	16-JUN-92
NORTH COORDINATE:	480415.64	480415.64	480415.64	480415.64	480415.64
EAST COORDINATE:	1380700.31	1380700.31	1380700.31	1380700.31	1380700.31
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															
CHLORIDE													57.4 MG/L		NV
FLUORIDE													.76 MG/L		NV
NITRATE	1.52 MG/L		-										2.88 MG/L		NV
PHENOLS													.01 MG/L		UNV
PHOSPHORUS													2.15 MG/L		NV
SULFATE													53.55 MG/L		NV
SULFIDE													.05 MG/L		UNV
TOTAL ORGANIC CARBON													1 MG/L		UNV
TOTAL ORGANIC HALIDES													37.5 MG/L		NV
TOTAL ORGANIC NITROGEN													.8 MG/L		NV
INORGANICS															
ALUMINUM							.0529 MG/L		-						
ARSENIC							.002 MG/L		U						
BARIUM							.0485 MG/L		-						
CADMIUM							.005 MG/L		U						
CALCIUM							95.6 MG/L		-						
CHROMIUM							.01 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.033 MG/L		-						
LEAD							.003 MG/L		UJ						
MAGNESIUM							21.7 MG/L		-						
MANGANESE							.01 MG/L		U						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							2.34 MG/L		-						
SELENIUM							.0028 MG/L		J						
SILICON							3.96 MG/L		-						
SILVER							.01 MG/L		UJ						
SODIUM							41.1 MG/L		-						

001933

6416

SAMPLE NUMBER:	045770			045211			098909			098909			098909		
LAB:	IT			WMCO			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															
VANADIUM							.01 MG/L		U						
RADIONUCLIDES															
URANIUM-238										265 PCI/L	36	J			
URANIUM, TOTAL				1005 UG/L		NV				797 UG/L	113	J			
URANIUM-234										244 PCI/L	34	J			
THORIUM-230										.9 PCI/L	.3	J			
RADIUM-226										1 PCI/L	.09	UJ			
URANIUM-235/236										22 PCI/L	4.4	J			
THORIUM-232										1 PCI/L	.3	J			
THORIUM, TOTAL										8.77 UG/L	3.07	J			
RADIUM-228										3 PCI/L		UJ			
THORIUM-228										.5 PCI/L	.3	J			
NEPTUNIUM-237										.8 PCI/L		UJ			
PLUTONIUM-239/240										.5 PCI/L	.2	UJ			
PLUTONIUM-238										.5 PCI/L		UJ			
STRONTIUM-90										1 PCI/L		UJ			
TECHNETIUM-99										33 PCI/L	15.9	R			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										13 PCI/L		UJ			
GROSS ALPHA										564 PCI/L	68	NV			
GROSS BETA										163 PCI/L	18	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		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
CARBON TETRACHLORIDE													5 UG/L		UJ
CHLOROBENZENE													5 UG/L		U
CHLOROETHANE													10 UG/L		UJ
CHLOROFORM													5 UG/L		U

SAMPLE NUMBER:	045770			045211			098909			098909			098909		
LAB:	IT			WMCO			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															
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:	098910	099009	099009	099010	045768
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	3.7
LAB:	WMCO	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1226	1226	1226	1226	1226
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-JUN-92	20-OCT-92	20-OCT-92	20-OCT-92	23-OCT-89
NORTH COORDINATE:	480415.64	480415.64	480415.64	480415.64	480415.64
EAST COORDINATE:	1380700.31	1380700.31	1380700.31	1380700.31	1380700.31
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							321 MG/L		-						
AMMONIA							.1 MG/L		U						
CHLORIDE							69.6 MG/L		-						
FLUORIDE							.88 MG/L		-						
NITRATE							1.59 MG/L		-						
PHOSPHORUS							.02 MG/L		U						
SULFATE							54 MG/L		-						
SULFIDE							.5 MG/L		U						
TOTAL ORGANIC CARBON							1.19 MG/L		-						
TOTAL ORGANIC HALIDES							.0317 MG/L		-						
TOTAL ORGANIC NITROGEN							.22 MG/L		-						
INORGANICS															
ALUMINUM				.03 MG/L		U									
ANTIMONY				.0082 MG/L		U									
ARSENIC				.0025 MG/L		U									
BARIUM				.0532 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				.02 MG/L		U									
LEAD				.0025 MG/L		U									
MAGNESIUM				23.6 MG/L		-									
MANGANESE				.01 MG/L		U									
MERCURY				.0002 MG/L		U									
MOLYBDENUM				.02 MG/L		U									
NICKEL				.02 MG/L		U									

SAMPLE NUMBER:	098910			099009			099009			099010			045768		
LAB:	WMCO			IT			IT			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															
POTASSIUM				2.43 MG/L		-									
SELENIUM				.002 MG/L		U									
SILICON				4.43 MG/L		-									
SILVER				.01 MG/L		U									
SODIUM				41.3 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		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				336 PCI/L	85	J									
URANIUM, TOTAL	480 UG/L		NV	849 UG/L	114	J				890 UG/L		NV	1200 UG/L	170	
URANIUM-234				303 PCI/L	82	J									
THORIUM-230				1.13 PCI/L	.39	J									
URANIUM-235/236				36 PCI/L		UJ									
THORIUM-232				.2 PCI/L		UJ									

SAMPLE NUMBER:	098910			099009			099009			099010			045768		
LAB:	WMCO			IT			IT			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)
RADIONUCLIDES															
THORIUM, TOTAL				.7 UG/L		UJ									
THORIUM-228				.4 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		UJ									
RUTHENIUM-106				150 PCI/L		UJ									
CESIUM-137				14.8 PCI/L		UJ									
GROSS ALPHA				572 PCI/L	72	NV									
GROSS BETA				209 PCI/L	23	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		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						

SAMPLE NUMBER:	098910			099009			099009			099010			045768		
LAB:	WMCO			IT			IT			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)
SEMIVOLATILES															
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		UJ						
BIS(2-ETHYLHEXYL)PHTHALATE							4 UG/L		J						
BUTYL BENZYL PHTHALATE							10 UG/L		U						
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						
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		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						

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SAMPLE NUMBER:	098910			099009			099009			099010			045768		
LAB:	WMCO			IT			IT			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															
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		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						
XYLENES, TOTAL							5 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045769	045201	045774	045775	045772
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1226	1227	1227	1227	1227
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-89	06-JUN-89	07-MAY-90	07-MAY-90	23-OCT-89
NORTH COORDINATE:	480415.64	480317.47	480317.47	480317.47	480317.47
EAST COORDINATE:	1380700.31	1380474.6	1380474.6	1380474.6	1380474.6
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	1.11 MG/L		-							9.18 MG/L		-			
RADIONUCLIDES															
URANIUM-238				80 PCI/L		NV	154 PCI/L	24	J						
URANIUM, TOTAL				240 UG/L		NV	604 UG/L	79	-				523 UG/L	81	-
URANIUM-234				69 PCI/L		NV	151 PCI/L	24	J						
THORIUM-230							1 PCI/L		U						
RADIUM-226							2.27 PCI/L	.4	NV						
URANIUM-235/236							12.6 PCI/L	2.7	J						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							5.5 UG/L		U						
RADIUM-228							3 PCI/L		U						
THORIUM-228							1.01 PCI/L	.54	-						
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							1865 PCI/L	201	J						
RUTHENIUM-106							150 PCI/L		R						
CESIUM-137							20 PCI/L		R						
URANIUM-235				4.1 PCI/L		NV	12.6 PCI/L	2.7	J						
URANIUM-236				2.5 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045773	045157	045778	045779	045776
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	UNKNOWN	WMCO	IT	IT	IT
WELL OR BORING NUMBER:	1227	1228	1228	1228	1228
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-89	06-JUN-89	07-MAY-90	07-MAY-90	23-OCT-89
NORTH COORDINATE:	480317.47	480301.15	480301.15	480301.15	480301.15
EAST COORDINATE:	1380474.6	1380298.9	1380298.9	1380298.9	1380298.9
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	9.32 MG/L		-							.91 MG/L		-			
RADIONUCLIDES															
URANIUM-238				75 PCI/L		NV	44.3 PCI/L	7.3	J						
URANIUM, TOTAL				150 PCI/L		NV	69.3 UG/L	12.6	-				110 UG/L	11	J
URANIUM-234				71 PCI/L		NV	48.9 PCI/L	8	J						
THORIUM-230							1 PCI/L		U						
RADIUM-226							1 PCI/L		UNV						
URANIUM-235/236							2.8 PCI/L	1.01	J						
THORIUM-232							1 PCI/L		U						
THORIUM, TOTAL							4.9 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		UJ						
TECHNETIUM-99							255 PCI/L	40	R						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							20 PCI/L		UJ						
URANIUM-235				3.6 PCI/L		NV	2.8 PCI/L	1.01	J						
URANIUM-236				.58 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045777	045146	GW930114-6	GW930114-6	GW930114-6
TASK:	3.7	3.7	RCRA	RCRA	RCRA
LAB:	UNKNOWN	WMCO	CORE	FERMCO Laboratory	NET
WELL OR BORING NUMBER:	1228	1229	1229	1229	1229
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-OCT-89	05-MAY-89	14-JAN-93	14-JAN-93	14-JAN-93
NORTH COORDINATE:	480301.15	480262.59	480262.59	480262.59	480262.59
EAST COORDINATE:	1380298.9	1379834.54	1379834.54	1379834.54	1379834.54
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	2 MG/L		-												
TOTAL DISSOLVED SOLIDS													731 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													103 MG/L		NV
CHROMIUM													.002 MG/L		UNV
COBALT													.005 MG/L		UNV
COPPER													.02 MG/L		UNV
IRON													.12 MG/L		NV
LEAD													.003 MG/L		UNV
MAGNESIUM													87.7 MG/L		NV
MANGANESE													.015 MG/L		UNV
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				19 PCI/L		NV									
URANIUM, TOTAL				39 PCI/L		NV	20.5 UG/L		NV	15 UG/L		NV			

SAMPLE NUMBER:	045777			045146			GW930114-6			GW930114-6			GW930114-6		
LAB:	UNKNOWN			WMCO			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				3.6 PCI/L		NV									
THORIUM-230							1.5 PCI/L	.4	NV						
RADIUM-226							5.8 PCI/L	.9	NV						
THORIUM-232							.8 PCI/L	.3	NV						
THORIUM, TOTAL							7.6 UG/L		NV						
RADIUM-228							3 PCI/L	1.1	UNV						
THORIUM-228							.7 PCI/L	.3	NV						
GROSS ALPHA							22.6 PCI/L	10.3	NV						
GROSS BETA							1.6 PCI/L	10.7	UNV						
URANIUM-235				.91 PCI/L		NV									
URANIUM-236				0 PCI/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930114-6	045780	045781	045782	045203
TASK:	RCRA	3.7	3.7	3.7	3.7
LAB:	NET	IT	IT	IT	WMCO
WELL OR BORING NUMBER:	1229	1229	1229	1229	1230
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JAN-93	23-OCT-89	23-OCT-89	30-JUN-90	02-JUN-89
NORTH COORDINATE:	480262.59	480262.59	480262.59	480262.59	480281.12
EAST COORDINATE:	1379834.54	1379834.54	1379834.54	1379834.54	1380055.01
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	355 MG/L		NV												
ALLYL CHLORIDE	5 UG/L		UNV												
AMMONIA	.06 MG/L		NV												
BICARBONATE ALKALINITY	476 MG/L		NV												
CARBONATE ALKALINITY	3 MG/L		UNV												
CHLORIDE	20 MG/L		NV												
FLUORIDE	.66 MG/L		NV												
NITRATE	.04 MG/L		NV				.1 MG/L		U	.1 MG/L		UJ			
NITRITE, AS NITROGEN	.02 MG/L		UNV												
PH	7.3 SU		NV												
PHENOLS	.01 MG/L		UNV												
PHOSPHORUS	.16 MG/L		NV												
SPECIFIC CONDUCTIVITY	1130 UMHOS/CM		NV												
SULFATE	229 MG/L		NV												
TOTAL ORGANIC CARBON	9 MG/L		NV												
TOTAL ORGANIC HALIDES	.022 MG/L		NV												
TOTAL SOLIDS	4510 MG/L		NV												
INORGANICS															
ALUMINUM	25.5 MG/L		NV												
ANTIMONY	.02 MG/L		UNV												
ARSENIC	.0228 MG/L		NV												
BARIUM	.26 MG/L		NV												
BERYLLIUM	.005 MG/L		UNV												
CADMIUM	.001 MG/L		UNV												
CALCIUM	299 MG/L		NV												
CHROMIUM	.0383 MG/L		NV												
COBALT	.0185 MG/L		NV												
COPPER	.082 MG/L		NV												
CYANIDE	.005 MG/L		UNV												
IRON	59.2 MG/L		NV												

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SAMPLE NUMBER:	GW930114-6			045780			045781			045782			045203		
LAB:	NET			IT			IT			IT			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)
INORGANICS															
LEAD	.0241 MG/L		NV												
MAGNESIUM	136 MG/L		NV												
MANGANESE	1.69 MG/L		NV												
MERCURY	.0002 MG/L		UNV												
MOLYBDENUM	.01 MG/L		UNV												
NICKEL	.06 MG/L		NV												
POTASSIUM	6.2 MG/L		NV												
SELENIUM	.005 MG/L		UNV												
SILVER	.0034 MG/L		NV												
SODIUM	17 MG/L		NV												
THALLIUM	.01 MG/L		UNV												
VANADIUM	.067 MG/L		NV												
ZINC	.172 MG/L		NV												
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													530 PCI/L		NV
URANIUM, TOTAL				58 UG/L	6	J							1100 PCI/L		NV
URANIUM-234													500 PCI/L		NV
URANIUM-235													28 PCI/L		NV
URANIUM-236													7.1 PCI/L		NV
SEMIVOLATILES															
2-CHLOROETHYLVINYL ETHER	10 UG/L		UNV												
CUMENE	1 UG/L		UNV												

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VOLATILES

1,1,1,2-TETRACHLOROETHANE 1 UG/L UNV
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	GW930114-6			045780			045781			045782			045203		
LAB:	NET			IT			IT			IT			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															
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:	118313	118314	118315	118316	118317
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:	1230	1230	1230	1230	1230
DEPTH:	0-11.5	0-11.5	-	-	-
DATE COLLECTED:	17-MAY-93	17-MAY-93	17-MAY-93	17-MAY-93	17-MAY-93
NORTH COORDINATE:	480281.12	480281.12	480281.12	480281.12	480281.12
EAST COORDINATE:	1380055.01	1380055.01	1380055.01	1380055.01	1380055.01
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							.07 MG/L		-						
NITRATE/NITRITE							.51 MG/L		-						
PHENOLS							.02 MG/L		U						
PHOSPHORUS							2.6 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.03 MG/L		-						
INORGANICS															
ALUMINUM							40.1 MG/L		-	.0521 MG/L		U			
ANTIMONY							.0704 MG/L		J	.045 MG/L		U			
ARSENIC							.0171 MG/L		J	.001 MG/L		UJ			
BARIUM							.301 MG/L		-	.0603 MG/L		-			
BERYLLIUM							.0058 MG/L		U	.001 MG/L		U			
CADMIUM							.0097 MG/L		J	.003 MG/L		U			
CALCIUM							541 MG/L		-	138 MG/L		-			
CHROMIUM							.0521 MG/L		-	.004 MG/L		UJ			
COBALT							.0343 MG/L		-	.006 MG/L		U			
COPPER							.113 MG/L		-	.0148 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							111 MG/L		-	.0618 MG/L		U			
LEAD							.0344 MG/L		J	.001 MG/L		UJ			
MAGNESIUM							193 MG/L		-	41 MG/L		-			
MANGANESE							1.94 MG/L		-	.247 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0582 MG/L		U	.019 MG/L		U			
POTASSIUM							9.71 MG/L		-	1.52 MG/L		U			
SELENIUM							.001 MG/L		UJ	.001 MG/L		UJ			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							41.6 MG/L		-	34.4 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			

SAMPLE NUMBER:	118313			118314			118315			118316			118317		
LAB:	FERMCO			FERMCO			DATACHEM			DATACHEM			CORE		
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															
VANADIUM							.0864 MG/L		-	.004 MG/L		U			
ZINC							.237 MG/L		-	.0253 MG/L		U			
RADIONUCLIDES															
URANIUM-238													581 PCI/L	80.6	J
URANIUM, TOTAL	230 UG/L		NV	2000 UG/L		NV							2110 UG/L	148	-
URANIUM-234													596 PCI/L	82.4	J
THORIUM-230													.4 PCI/L	.3	J
RADIUM-226													1.2 PCI/L	.6	U
URANIUM-235/236													29.5 PCI/L	11	J
THORIUM-232													.2 PCI/L	.2	UJ
RADIUM-228													3 PCI/L	1.2	U
THORIUM-228													.3 PCI/L	.2	UJ
TECHNETIUM-99													41.5 PCI/L	8.7	-
GROSS ALPHA													1390 PCI/L	30.7	NV
GROSS BETA													719 PCI/L	12.6	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						
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						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118313			118314			118315			118316			118317		
LAB:	FERMCO			FERMCO			DATACHEM			DATACHEM			CORE		
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															
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:	118318			045785			045786			045204			045787		
TASK:	50.03.23			3.7			3.7			3.7			3.7		
LAB:	CORE			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1230			1230			1230			1230			1230		
DEPTH:	0-11.5			-			-			-			-		
DATE COLLECTED:	17-MAY-93			23-OCT-89			23-OCT-89			30-JUN-90			30-JUN-90		
NORTH COORDINATE:	480281.12			480281.12			480281.12			480281.12			480281.12		
EAST COORDINATE:	1380055.01			1380055.01			1380055.01			1380055.01			1380055.01		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													045204		
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	.1 MG/L		UJ
RADIONUCLIDES															
URANIUM-238	507 PCI/L	61.8	J												
URANIUM, TOTAL	1040 UG/L	73.1	J	2010 UG/L	300	-									
URANIUM-234	571 PCI/L	68.9	J												
THORIUM-230	.2 PCI/L	.3	UJ												
RADIUM-226	2.2 PCI/L	.7	J												
URANIUM-235/236	27 PCI/L	6.4	J												
THORIUM-232	.5 PCI/L	.2	J												
THORIUM, TOTAL	4.5600366 PCI/L		NV												
RADIUM-228	3 PCI/L	1.2	UJ												
THORIUM-228	.3 PCI/L	.2	J												
GROSS ALPHA	921 PCI/L	67	NV												
GROSS BETA	1190 PCI/L	46.7	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045558			045559			066913			045560			045395		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1231			1231			1231			1231			1232		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-NOV-89			02-NOV-89			18-JUL-90			23-JAN-90			17-OCT-89		
NORTH COORDINATE:	480236.98			480236.98			480236.98			480236.98			480283.91		
EAST COORDINATE:	1380209.43			1380209.43			1380209.43			1380209.43			1380232.42		
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				28.39 MG/L		-			
INORGANICS															
ALUMINUM							.418 MG/L		-						
ANTIMONY							.0364 MG/L		-						
ARSENIC							.002 MG/L		UJ						
BARIUM							.154 MG/L		-						
BERYLLIUM							.0043 MG/L		-						
CADMIUM							.0104 MG/L		-						
CALCIUM							188 MG/L		-						
CHROMIUM							.129 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.0294 MG/L		-						
CYANIDE							.002 MG/L		UJ						
IRON							.0482 MG/L		-						
LEAD							.002 MG/L		UJ						
MAGNESIUM							63.7 MG/L		-						
MANGANESE							.585 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.0425 MG/L		-						
POTASSIUM							1.8 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0547 MG/L		-						
SODIUM							31.8 MG/L		-						
THALLIUM							.002 MG/L		UJ						
VANADIUM							.0448 MG/L		-						
ZINC							.0119 MG/L		U						
PESTICIDES															
4,4'-DDD							.1 UG/L		U						

SAMPLE NUMBER:	045558			045559			066913			045560			045395		
LAB:	IT			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)
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							6656 PCI/L	1032	J						
URANIUM, TOTAL	13850 UG/L	1890	J				20046 UG/L	3129	J	24300 UG/L	3400	-	15700 UG/L	2000	-
URANIUM-234							8325 PCI/L	1275	J						
THORIUM-230							6.86 PCI/L	1.62	J						
RADIUM-226							1 PCI/L		U						
URANIUM-235/236							570 PCI/L	135	J						
THORIUM-232							7.24 PCI/L	1.64	J						
THORIUM, TOTAL							65 UG/L	15	J						
RADIUM-228							3 PCI/L		UJ						
THORIUM-228							5.85 PCI/L	1.47	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							1180 PCI/L	128	J						
SEMIVOLATILES															

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

SAMPLE NUMBER:	045558			045559			066913			045560			045395		
LAB:	IT			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															
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		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						
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		UR						
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						

SAMPLE NUMBER:	045558			045559			066913			045560			045395		
LAB:	IT			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															
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		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		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							15 UG/L		-						
1,1,2,2-TETRACHLOROETHANE							5 UG/L		UJ						
1,1,2-TRICHLOROETHANE							5 UG/L		U						
1,1-DICHLOROETHANE							7 UG/L		-						
1,1-DICHLOROETHENE							1 UG/L		J						
1,2-DICHLOROETHANE							5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)							2 UG/L		J						
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		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							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						

SAMPLE NUMBER:	045558			045559			066913			045560			045395		
LAB:	IT			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)
VOLATILES															
METHYLENE CHLORIDE							5 UG/L		UJ						
STYRENE							5 UG/L		UJ						
TETRACHLOROETHENE							7 UG/L		-						
TOLUENE							5 UG/L		UJ						
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U						
TRICHLOROETHENE							1 UG/L		J						
VINYL ACETATE							10 UG/L		UJ						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045396			066914			066914			066916			066916		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1232			1232			1232			1232			1232		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-OCT-89			18-JUL-90			18-JUL-90			18-JUL-90			18-JUL-90		
NORTH COORDINATE:	480283.91			480283.91			480283.91			480283.91			480283.91		
EAST COORDINATE:	1380232.42			1380232.42			1380232.42			1380232.42			1380232.42		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										066914			066914		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL 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	154 MG/L		-												
INORGANICS															
ALUMINUM				.601 MG/L		-				.573 MG/L		-			
ANTIMONY				.0513 MG/L		-				.0566 MG/L		-			
ARSENIC				.002 MG/L		UJ				.002 MG/L		UJ			
BARIUM				.147 MG/L		-				.114 MG/L		-			
BERYLLIUM				.0056 MG/L		-				.0061 MG/L		-			
CADMIUM				.0113 MG/L		-				.0134 MG/L		-			
CALCIUM				226 MG/L		-				225 MG/L		-			
CHROMIUM				.164 MG/L		-				.166 MG/L		-			
COBALT				.0193 MG/L		-				.0232 MG/L		-			
COPPER				.0365 MG/L		-				.0365 MG/L		-			
CYANIDE							.002 MG/L		UJ				.002 MG/L		UJ
IRON				.15 MG/L		-				.0578 MG/L		-			
LEAD				.002 MG/L		UJ				.002 MG/L		UJ			
MAGNESIUM				75.2 MG/L		-				74.1 MG/L		-			
MANGANESE				.474 MG/L		-				.508 MG/L		-			
MERCURY				.0002 MG/L		U							.0002 MG/L		U
NICKEL				.0515 MG/L		-				.0448 MG/L		-			
POTASSIUM				2.82 MG/L		-				2.73 MG/L		-			
SELENIUM				.002 MG/L		UJ				.002 MG/L		UJ			
SILVER				.0693 MG/L		-				.07 MG/L		-			
SODIUM				33.9 MG/L		-				33.5 MG/L		-			
THALLIUM				.002 MG/L		UJ				.002 MG/L		UJ			
VANADIUM				.0591 MG/L		-				.0601 MG/L		-			
ZINC				.0197 MG/L		U				.0185 MG/L		U			
PESTICIDES															
4,4'-DDD							.1 UG/L		U				.1 UG/L		

SAMPLE NUMBER:	045396			066914			066914			066916			066916		
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															
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							8851 PCI/L	1269	J				7264 PCI/L	1784	R
URANIUM, TOTAL							26677 UG/L	3845	J				25600 UG/L	3420	J
URANIUM-234							10081 PCI/L	1439	J				7761 PCI/L	1905	R
THORIUM-230							5.39 PCI/L	1.87	J				2.92 PCI/L	1.16	J
RADIUM-226							1 PCI/L		U				1 PCI/L		U
URANIUM-235/236							802 PCI/L	156	J				605 PCI/L	161	R
THORIUM-232							7.3 PCI/L	2.2	J				3.32 PCI/L	1.24	J
THORIUM, TOTAL							65.9 UG/L	19.8	J				30 UG/L	11.2	J
RADIUM-228							3 PCI/L		UJ				3 PCI/L		UJ
THORIUM-228							4.38 PCI/L	1.69	J				3.65 PCI/L	1.29	J
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							1740 PCI/L	185	J				2010 PCI/L	212	J
RUTHENIUM-106							165 PCI/L		UJ				150 PCI/L		R
CESIUM-137							20 PCI/L		UJ				20 PCI/L		R

SAMPLE NUMBER:	045396			066914			066914			066916			066916		
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															
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		UJ				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		UJ				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		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		UR				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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045396			066914			066914			066916			066916		
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															
DI-N-OCTYL PHTHALATE							10 UG/L		U				10 UG/L		U
DIBENZO(A,H)ANTHRACENE							10 UG/L		UJ				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		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		U				10 UG/L		U
NAPHTHALENE							10 UG/L		U				10 UG/L		U
NITROBENZENE							10 UG/L		UJ				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
VOLATILES															
1,1,1-TRICHLOROETHANE							15 UG/L		-				18 UG/L		-
1,1,2,2-TETRACHLOROETHANE							5 UG/L		UJ				5 UG/L		UJ
1,1,2-TRICHLOROETHANE							5 UG/L		U				5 UG/L		U
1,1-DICHLOROETHANE							6 UG/L		-				7 UG/L		-
1,1-DICHLOROETHENE							1 UG/L		J				1 UG/L		J
1,2-DICHLOROETHANE							5 UG/L		U				5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							4 UG/L		J				5 UG/L		-
1,2-DICHLOROPROPANE							5 UG/L		U				5 UG/L		U
2-BUTANONE							10 UG/L		UJ				10 UG/L		UR
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		UJ				10 UG/L		UR
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
CHLOROMETHANE							10 UG/L		U				10 UG/L		UJ

SAMPLE NUMBER:	045396			066914			066914			066916			066916		
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															
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				5 UG/L		U
STYRENE							5 UG/L		UJ				5 UG/L		UJ
TETRACHLOROETHENE							1 UG/L		J				2 UG/L		J
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		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:	045397	045793	045794	045205	066915
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	WMCO	IT
WELL OR BORING NUMBER:	1232	1233	1233	1233	1233
DEPTH:	-	-	-	-	-
DATE COLLECTED:	23-JAN-90	07-MAY-90	07-MAY-90	08-JUN-89	18-JUL-90
NORTH COORDINATE:	480283.91	480245.01	480245.01	480245.01	480245.01
EAST COORDINATE:	1380232.42	1380269.37	1380269.37	1380269.37	1380269.37
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															
NITRATE	91.3 MG/L		-			-	134 MG/L		-						
INORGANICS															
ALUMINUM													.891 MG/L		-
ANTIMONY													.0593 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.129 MG/L		-
BERYLLIUM													.0086 MG/L		-
CADMIUM													.0145 MG/L		-
CALCIUM													265 MG/L		-
CHROMIUM													.251 MG/L		-
COBALT													.0226 MG/L		-
COPPER													.0523 MG/L		-
IRON													.0737 MG/L		-
LEAD													.002 MG/L		UJ
MAGNESIUM													87 MG/L		-
MANGANESE													.265 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.058 MG/L		-
POTASSIUM													3.02 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.102 MG/L		-
SODIUM													32 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM													.0853 MG/L		-
ZINC													.0116 MG/L		U
RADIONUCLIDES															
URANIUM-238				1169 PCI/L	260	J									
URANIUM, TOTAL	38900 UG/L	5300	-	2080 UG/L	601	-				21650 UG/L		NV			

SAMPLE NUMBER:	045397			045793			045794			045205			066915		
LAB:	IT			IT			IT			WMCO			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															
URANIUM-234				580 PCI/L	130	J									
THORIUM-230				1 PCI/L		U									
RADIUM-226				1 PCI/L		UNV									
URANIUM-235/236				104 PCI/L	25	J									
THORIUM-232				1 PCI/L		U									
THORIUM, TOTAL				4.6 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				27.2 PCI/L	3.8	J									
TECHNETIUM-99				3729 PCI/L	387	R									
RUTHENIUM-106				150 PCI/L		R									
CESIUM-137				20 PCI/L		R									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066915			066915			045206			045792			045288		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1233			1233			1233			1233			1234		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-JUL-90			18-JUL-90			24-OCT-89			24-OCT-89			04-OCT-89		
NORTH COORDINATE:	480245.01			480245.01			480245.01			480245.01			480207.9		
EAST COORDINATE:	1380269.37			1380269.37			1380269.37			1380269.37			1380230.49		
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)
GENERAL CHEMISTRY															
NITRATE										288 MG/L		-			
INORGANICS															
CYANIDE	.5519 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												

001964

SAMPLE NUMBER:	066915			066915			045206			045792			045288		
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	10700 UG/L	1620	J				21400 UG/L	3000	J				1045 UG/L	149	-
RADIUM-226	1 PCI/L		U												
RADIUM-228	3 PCI/L		UJ												
PLUTONIUM-239/240	1 PCI/L		UJ												
PLUTONIUM-238	1 PCI/L		UJ												
STRONTIUM-90	5 PCI/L		UJ												
TECHNETIUM-99	6130 PCI/L	624	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		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		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												

SAMPLE NUMBER:	066915			066915			045206			045792			045288		
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															
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		UR												
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		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		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	4 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		-												
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		UJ												

SAMPLE NUMBER:	066915			066915			045206			045792			045288		
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															
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												
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	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		UJ												
VINYL CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	5 UG/L		UJ												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045289	118321	118322	118323	118324
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	FERMCO	FERMCO	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1234	1234	1234	1234	1234
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-OCT-89	17-MAY-93	17-MAY-93	17-MAY-93	17-MAY-93
NORTH COORDINATE:	480207.9	480207.9	480207.9	480207.9	480207.9
EAST COORDINATE:	1380230.49	1380230.49	1380230.49	1380230.49	1380230.49
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	.1 MG/L		U							1.8 MG/L		-			
NITRATE/NITRITE										1.8 MG/L		-			
PHENOLS										.02 MG/L		U			
PHOSPHORUS										.36 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL ORGANIC CARBON										1 MG/L		U			
TOTAL ORGANIC HALIDES										.04 MG/L		-			
INORGANICS															
ALUMINUM										5.1 MG/L		-	.029 MG/L		U
ANTIMONY										.045 MG/L		U	.045 MG/L		U
ARSENIC										.0013 MG/L		UJ	.0014 MG/L		UJ
BARIUM										.0819 MG/L		-	.0452 MG/L		-
BERYLLIUM										.001 MG/L		U	.001 MG/L		U
CADMIUM										.003 MG/L		U	.003 MG/L		U
CALCIUM										78.1 MG/L		-	54.9 MG/L		-
CHROMIUM										.0076 MG/L		J	.004 MG/L		UJ
COBALT										.006 MG/L		U	.006 MG/L		U
COPPER										.0125 MG/L		U	.004 MG/L		U
CYANIDE										.01 MG/L		UJ	.01 MG/L		UJ
IRON										7.7 MG/L		-	.015 MG/L		U
LEAD										.0048 MG/L		UJ	.001 MG/L		UJ
MAGNESIUM										24.1 MG/L		-	15.6 MG/L		-
MANGANESE										.531 MG/L		-	.0017 MG/L		U
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.0253 MG/L		-	.019 MG/L		U
POTASSIUM										1.45 MG/L		-	.432 MG/L		U
SELENIUM										.001 MG/L		UJ	.0011 MG/L		UJ
SILVER										.003 MG/L		UJ	.003 MG/L		UJ
SODIUM										2.59 MG/L		-	2.35 MG/L		-

SAMPLE NUMBER:	045289			118321			118322			118323			118324		
LAB:	IT			FERMCO			FERMCO			DATACHEM			DATACHEM		
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															
THALLIUM										.001 MG/L		UJ	.001 MG/L		UJ
VANADIUM										.004 MG/L		U	.004 MG/L		U
ZINC										.0428 MG/L		J	.006 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				1300 UG/L		NV	1100 UG/L		NV						
VOLATILES															
1,1,1-TRICHLOROETHANE										63 UG/L		-			
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										1 UG/L		J			
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			

001969

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118325	118326	045796	062960	062960
TASK:	50.03.23	50.03.23	3.7	04.23	04.23
LAB:	CORE	CORE	IT	IT	IT
WELL OR BORING NUMBER:	1234	1234	1234	1235	1235
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAY-93	17-MAY-93	23-JAN-90	02-JUL-92	02-JUL-92
NORTH COORDINATE:	480207.9	480207.9	480207.9	480225.25	480225.25
EAST COORDINATE:	1380230.49	1380230.49	1380230.49	1380394.38	1380394.38
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	F-FIL	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)
GENERAL CHEMISTRY															
NITRATE							.77 MG/L		-						
INORGANICS															
ALUMINUM										.03 MG/L		U			
ANTIMONY										.03 MG/L		UJ			
ARSENIC										.0021 MG/L		J			
BARIUM										.0805 MG/L		-			
BERYLLIUM										.002 MG/L		U			
CADMIUM										.005 MG/L		UJ			
CALCIUM										143 MG/L		-			
CHROMIUM										.01 MG/L		UJ			
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										98.9 MG/L		-			
MANGANESE										.449 MG/L		-			
MERCURY										.0002 MG/L		U			
MOLYBDENUM										.02 MG/L		U			
NICKEL										.02 MG/L		U			
POTASSIUM										2.92 MG/L		-			
SELENIUM										.002 MG/L		U			
SILICON										7.32 MG/L		-			
SILVER										.01 MG/L		UJ			
SODIUM										42 MG/L		-			
THALLIUM										.002 MG/L		UJ			
VANADIUM										.01 MG/L		U			
ZINC										.0348 MG/L		-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

RADIONUCLIDES															
URANIUM-238	299 PCI/L	40.3	J	421 PCI/L	51.9	J									
10/01/94															
SAMPLE NUMBER:	118325			118326			045796			062960			062960		
LAB:	CORE			CORE			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			F-FIL			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)
RADIONUCLIDES															
URANIUM, TOTAL	1440 UG/L	101	-	1370 UG/L	95.9	-	2460 UG/L	360	-						
URANIUM-234	342 PCI/L	45.2	J	474 PCI/L	57.7	J									
THORIUM-230	2.3 PCI/L	.7	R	.2 PCI/L	.2	UJ									
RADIUM-226	2 PCI/L	.6	-	1.4 PCI/L	.6	-									
URANIUM-235/236	16.1 PCI/L	5.8	J	23.1 PCI/L	6.2	J									
THORIUM-232	.5 PCI/L	.3	R	.2 PCI/L	.2	UJ									
RADIUM-228	3.1 PCI/L	1.7	U	3 PCI/L	1.4	U									
THORIUM-228	.4 PCI/L	.4	R	.3 PCI/L	.1	UJ									
TECHNETIUM-99	43.4 PCI/L	9.5	J	42.3 PCI/L	8.9	J									
GROSS ALPHA	942 PCI/L	27.4	NV	914 PCI/L	19.4	NV									
GROSS BETA	461 PCI/L	12.2	NV	469 PCI/L	9.1	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062960	062961	047003	047003	045207
TASK:	04.23	04.23	3.7	3.7	3.7
LAB:	IT	WMCO	IT	IT/RSL	WMCO
WELL OR BORING NUMBER:	1235	1235	1235	1235	1236
DEPTH:	-	-	-	-	-
DATE COLLECTED:	02-JUL-92	02-JUL-92	20-DEC-91	20-DEC-91	04-JUN-89
NORTH COORDINATE:	480225.25	480225.25	480225.25	480225.25	480307.05
EAST COORDINATE:	1380394.38	1380394.38	1380394.38	1380394.38	1380517.69
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															
NITRATE							9.44 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:	062960			062961			047003			047003			045207		
LAB:	IT			WMCO			IT			IT/RSL			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	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				414 UG/L		NV				55.6 UG/L	9.1	-	9630 UG/L		NV
URANIUM-234													3900 PCI/L		NV
THORIUM, TOTAL										.7 UG/L		U			
URANIUM-235													160 PCI/L		NV
URANIUM-236													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												
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		UJ												
BENZO(K)FLUORANTHENE	10 UG/L		U												
BENZOIC ACID	50 UG/L		UJ												

SAMPLE NUMBER:	062960			062961			047003			047003			045207		
LAB:	IT			WMCO			IT			IT/RSL			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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												
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		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	1 UG/L		J												
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:	062960			062961			047003			047003			045207		
LAB:	IT			WMCO			IT			IT/RSL			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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	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:	045802	045801	118328	118329	118332
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	FERMCO
WELL OR BORING NUMBER:	1236	1236	1236	1236	1236
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-MAY-90	07-FEB-90	17-MAY-93	17-MAY-93	17-MAY-93
NORTH COORDINATE:	480307.05	480307.05	480307.05	480307.05	480307.05
EAST COORDINATE:	1380517.69	1380517.69	1380517.69	1380517.69	1380517.69
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															
AMMONIA							.92 MG/L		-						
NITRATE				12.42 MG/L		J	2.7 MG/L		-						
NITRATE/NITRITE							2.7 MG/L		-						
PHENOLS							.02 MG/L		U						
PHOSPHORUS							5 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							2 MG/L		-						
TOTAL ORGANIC HALIDES							.01 MG/L		-						
INORGANICS															
ALUMINUM							35.2 MG/L		-	.73 MG/L		-			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.0038 MG/L		UJ	.0017 MG/L		UJ			
BARIUM							.241 MG/L		-	.0075 MG/L		-			
BERYLLIUM							.0024 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		J			
CALCIUM							180 MG/L		-	4.65 MG/L		-			
CHROMIUM							.0603 MG/L		-	.009 MG/L		J			
COBALT							.0179 MG/L		-	.006 MG/L		U			
COPPER							.103 MG/L		-	.0108 MG/L		U			
CYANIDE							.01 MG/L		UJ	.01 MG/L		UJ			
IRON							55.7 MG/L		-	.802 MG/L		-			
LEAD							.044 MG/L		J	.0032 MG/L		UJ			
MAGNESIUM							68.1 MG/L		-	1.78 MG/L		-			
MANGANESE							1.53 MG/L		-	.019 MG/L		-			
MERCURY							.00038 MG/L		-	.0002 MG/L		U			
NICKEL							.0548 MG/L		-	.019 MG/L		U			
POTASSIUM							13.8 MG/L		-	5.96 MG/L		-			
SELENIUM							.01 MG/L		UJ	.001 MG/L		UJ			
SILVER							.0032 MG/L		UJ	.0032 MG/L		UJ			
SODIUM							103 MG/L		-	80.9 MG/L		-			

SAMPLE NUMBER:	045802			045801			118328			118329			118332		
LAB:	IT			IT			DATACHEM			DATACHEM			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)
INORGANICS															
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM							.0549 MG/L		-	.004 MG/L		U			
ZINC							.176 MG/L		-	.006 MG/L		U			
RADIONUCLIDES															
URANIUM-238	1676 PCI/L	204	R												
URANIUM, TOTAL	5430 UG/L	840	-										5100 UG/L		NV
URANIUM-234	1633 PCI/L	199	R												
THORIUM-230	1 PCI/L		U												
RADIUM-226	3.44 PCI/L	.52	NV												
URANIUM-235/236	127 PCI/L	30	R												
THORIUM-232	1 PCI/L		U												
THORIUM, TOTAL	5.1 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		UJ												
TECHNETIUM-99	6382 PCI/L	652	R												
RUTHENIUM-106	150 PCI/L		R												
CESIUM-137	20 PCI/L		R												
VOLATILES															
1,1,1-TRICHLOROETHANE							3 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						
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						

001977

SAMPLE NUMBER:	045802			045801			118328			118329			118332		
LAB:	IT			IT			DATACHEM			DATACHEM			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)
VOLATILES															
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							.7 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:	118333	118334	118335	045208	045800
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	FERMCO	CORE	CORE	IT	IT
WELL OR BORING NUMBER:	1236	1236	1236	1236	1236
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-MAY-93	17-MAY-93	17-MAY-93	24-OCT-89	24-OCT-89
NORTH COORDINATE:	480307.05	480307.05	480307.05	480307.05	480307.05
EAST COORDINATE:	1380517.69	1380517.69	1380517.69	1380517.69	1380517.69
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															
NITRATE													2.86 MG/L		-
RADIONUCLIDES															
URANIUM-238				12.3 PCI/L	3	J	1020 PCI/L	130	J						
URANIUM, TOTAL	3600 UG/L		NV	578 UG/L	40.4	-	4600 UG/L	322	-	2210 UG/L	310	J			
URANIUM-234				11.1 PCI/L	2.8	J	1080 PCI/L	136	J						
THORIUM-230				12 PCI/L	2.3	J	.2 PCI/L	.2	UJ						
RADIUM-226				5.8 PCI/L	1	-	1.2 PCI/L	.6	-						
URANIUM-235/236				.6 PCI/L	.6	J	107 PCI/L	26	J						
THORIUM-232				.7 PCI/L	.3	J	.2 PCI/L	.2	UJ						
THORIUM, TOTAL				6.3847294 PCI/L	.3	NV									
RADIUM-228				3.3 PCI/L	2	U	3 PCI/L	1.5	U						
THORIUM-228				1.1 PCI/L	.4	J	.3 PCI/L	.2	UJ						
TECHNETIUM-99				2070 PCI/L	115.5	J	1680 PCI/L	94.8	J						
GROSS ALPHA				4990 PCI/L	153	NV	3050 PCI/L	36.7	NV						
GROSS BETA				6080 PCI/L	99.7	NV	3080 PCI/L	22.9	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045806	045153	099025	099025	099034
TASK:	3.7	3.7	50.03.07	50.03.07	50.03.07
LAB:	IT	WMCO	IT-KNOX	IT	IT-KNOX
WELL OR BORING NUMBER:	1237	1237	1237	1237	1237
DEPTH:	-	-	-	-	-
DATE COLLECTED:	01-FEB-90	01-JUN-89	03-NOV-92	03-NOV-92	04-NOV-92
NORTH COORDINATE:	480279.81	480279.81	480279.81	480279.81	480279.81
EAST COORDINATE:	1380686.21	1380686.21	1380686.21	1380686.21	1380686.21
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							395 MG/L		-						
AMMONIA							.1 MG/L		U						
CHLORIDE										43.2 MG/L		-			
FLUORIDE							.22 MG/L		-						
NITRATE	.1 MG/L		U												
PHENOLS										.01 MG/L		U			
PHOSPHORUS										.26 MG/L		-			
SULFATE							129.1 MG/L		-						
SULFIDE													.5 MG/L		U
TOTAL ORGANIC NITROGEN							.18 MG/L		-						
INORGANICS															
CYANIDE													.002 MG/L		U
RADIONUCLIDES															
URANIUM-238				5.8 PCI/L		NV									
URANIUM, TOTAL				17.4 UG/L		NV									
URANIUM-234				6.4 PCI/L		NV									
URANIUM-235				.27 PCI/L		NV									
URANIUM-236				.05 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099044			099044			099052			099060			098907		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT-KNOX			IT/MWL			IT			IT		
WELL OR BORING NUMBER:	1237			1237			1237			1237			1237		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-NOV-92			05-NOV-92			06-NOV-92			11-NOV-92			16-JUN-92		
NORTH COORDINATE:	480279.81			480279.81			480279.81			480279.81			480279.81		
EAST COORDINATE:	1380686.21			1380686.21			1380686.21			1380686.21			1380686.21		
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		UJ									
TOTAL ORGANIC CARBON													1.57 MG/L		U
TOTAL ORGANIC HALIDES													.0323 MG/L		U
INORGANICS															
ALUMINUM							.0543 MG/L		U						
ANTIMONY							.005 MG/L		U						
ARSENIC							.0025 MG/L		U						
BARIUM							.0638 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.005 MG/L		U						
CALCIUM							134 MG/L		-						
CHROMIUM							.01 MG/L		U						
COBALT							.01 MG/L		U						
COPPER							.01 MG/L		U						
IRON							.02 MG/L		U						
LEAD							.0025 MG/L		U						
MAGNESIUM							36.6 MG/L		-						
MANGANESE							.0274 MG/L		-						
MERCURY							.0002 MG/L		U						
MOLYBDENUM							.02 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM				1.74 MG/L		NV	2.98 MG/L		-						
SELENIUM							.002 MG/L		U						
SILICON							7.83 MG/L		-						
SILVER							.01 MG/L		U						
SODIUM							33.5 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.01 MG/L		U						
ZINC							.005 MG/L		U						

001382

RADIONUCLIDES

GROSS ALPHA 9.1 PCI/L UNV
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099044			099044			099052			099060			098907		
LAB:	IT			IT-KNOX			IT/MWL			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															
GROSS BETA	9.43 PCI/L	3.97	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		UJ			
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		UJ			
BIS(2-CHLOROETHYL)ETHER										10 UG/L		UJ			
BIS(2-CHLOROISOPROPYL)										10 UG/L		U			

SAMPLE NUMBER:	099044			099044			099052			099060			098907		
LAB:	IT			IT-KNOX			IT/MWL			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															
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		UJ			
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		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

SAMPLE NUMBER:	099044			099044			099052			099060			098907		
LAB:	IT			IT-KNOX			IT/MWL			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															
CARBON DISULFIDE													5 UG/L		U
CARBON TETRACHLORIDE													5 UG/L		UJ
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:	098916			099071			099085			098918			098919		
TASK:	50.03.07			50.03.07			50.03.07			50.03.07			50.03.07		
LAB:	IT			IT-KNOX			IT			IT			IT		
WELL OR BORING NUMBER:	1237			1237			1237			1237			1237		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-JUN-92			18-NOV-92			20-NOV-92			23-JUN-92			24-JUN-92		
NORTH COORDINATE:	480279.81			480279.81			480279.81			480279.81			480279.81		
EAST COORDINATE:	1380686.21			1380686.21			1380686.21			1380686.21			1380686.21		
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	.15 MG/L		NV												
CHLORIDE	46.7 MG/L		NV												
FLUORIDE	.22 MG/L		NV							.1 MG/L		U			
NITRATE/NITRITE										.01 MG/L		U			
PHENOLS															
PHOSPHORUS	.125 MG/L		NV												
SULFATE	136.3 MG/L		NV												
SULFIDE	.5 MG/L		UNV												
TOTAL ORGANIC NITROGEN	.04 MG/L		NV												
INORGANICS															
ALUMINUM													.03 MG/L		U
ANTIMONY													.0348 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0832 MG/L		U
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													140 MG/L		
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.0541 MG/L		
LEAD													.002 MG/L		U
MAGNESIUM													38.8 MG/L		
MANGANESE													.185 MG/L		
MERCURY													.0002 MG/L		U
MOLYBDENUM													.0252 MG/L		
NICKEL													.02 MG/L		U
POTASSIUM													2.85 MG/L		
SELENIUM													.002 MG/L		U
SILICON													7.34 MG/L		

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6416

SAMPLE NUMBER:	098916			099071			099085			098918			098919		
LAB:	IT			IT-KNOX			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							15 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							13 PCI/L		UJ						
GROSS ALPHA							524 PCI/L	69	NV						
GROSS BETA							149 PCI/L	20	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	098919			045804			045805			098920			098940		
TASK:	50.03.07			3.7			3.7			50.03.07			50.03.07		
LAB:	IT			IT			IT			IT			WMCO		
WELL OR BORING NUMBER:	1237			1237			1237			1237			1237		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-JUN-92			24-OCT-89			24-OCT-89			25-JUN-92			26-JUN-92		
NORTH COORDINATE:	480279.81			480279.81			480279.81			480279.81			480279.81		
EAST COORDINATE:	1380686.21			1380686.21			1380686.21			1380686.21			1380686.21		
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						
RADIONUCLIDES															
URANIUM-238										1.07 PCI/L	.45	J			
URANIUM, TOTAL				10 UG/L	2	J				3.39 UG/L	.36	-	2.6 UG/L		NV
URANIUM-234										1.48 PCI/L	.55	J			
THORIUM-230										1 PCI/L		UJ			
URANIUM-235/236										1 PCI/L		UJ			
THORIUM-232										1 PCI/L		UJ			
THORIUM, TOTAL										3.3 UG/L		UJ			
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		UJ			
TECHNETIUM-99										30 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										21 PCI/L		UJ			
GROSS ALPHA	7.1 PCI/L		UNV												
GROSS BETA	7 PCI/L		UNV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099020	099020	099021	045147	045811
TASK:	50.03.07	50.03.07	50.03.07	3.7	3.7
LAB:	IT-KNOX	IT	FERMCO	WMCO	IT
WELL OR BORING NUMBER:	1237	1237	1237	1239	1239
DEPTH:	-	-	-	-	-
DATE COLLECTED:	29-OCT-92	29-OCT-92	29-OCT-92	05-MAY-89	12-AUG-90
NORTH COORDINATE:	480279.81	480279.81	480279.81	480033.76	480033.76
EAST COORDINATE:	1380686.21	1380686.21	1380686.21	1379829.46	1379829.46
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															
TOTAL ORGANIC CARBON	1.7 MG/L		-												
TOTAL ORGANIC HALIDES	44.9 MG/L		-												
RADIONUCLIDES															
URANIUM-238										26 PCI/L		NV			
URANIUM, TOTAL							7.1 UG/L		NV	50 PCI/L		NV	36.9 UG/L	6	-
URANIUM-234										23 PCI/L		NV			
URANIUM-235										1.1 PCI/L		NV			
URANIUM-236										.25 PCI/L		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		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									
CARBON TETRACHLORIDE				5 UG/L		U									
CHLOROBENZENE				5 UG/L		U									

SAMPLE NUMBER:	099020			099020			099021			045147			045811		
LAB:	IT-KNOX			IT			FERMCO			WMCO			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															
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		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									
XYLENES, TOTAL				5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045812			118206			118209			118210			118211		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			LOCKHEED			FERMCO			FERMCO			CORE		
WELL OR BORING NUMBER:	1239			1239			1239			1239			1239		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	12-AUG-90			13-MAY-93			13-MAY-93			13-MAY-93			13-MAY-93		
NORTH COORDINATE:	480033.76			480033.76			480033.76			480033.76			480033.76		
EAST COORDINATE:	1379829.46			1379829.46			1379829.46			1379829.46			1379829.46		
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				.21 MG/L		NV									
CHLORIDE				12 MG/L		NV									
FLUORIDE				.67 MG/L		NV									
NITRATE	.1 MG/L		U	.05 MG/L		UNV									
NITRATE/NITRITE				.05 MG/L		UNV									
PHENOLS				.15 MG/L		UNV									
PHOSPHORUS				1.3 MG/L		NV									
TOTAL ORGANIC CARBON				10 MG/L		UNV									
TOTAL ORGANIC HALIDES				.077 MG/L		NV									
INORGANICS															
ALUMINUM				22.4 MG/L		NV									
ANTIMONY				.027 MG/L		UNV									
ARSENIC				.0094 MG/L		NV									
BARIUM				.53 MG/L		NV									
BERYLLIUM				.0019 MG/L		NV									
CADMIUM				.002 MG/L		UNV									
CALCIUM				241 MG/L		NV									
CHROMIUM				.0304 MG/L		NV									
COBALT				.0156 MG/L		NV									
COPPER				.042 MG/L		NV									
CYANIDE				.02 MG/L		UNV									
IRON				42.5 MG/L		NV									
LEAD				.0145 MG/L		NV									
MAGNESIUM				83.2 MG/L		NV									
MANGANESE				6.19 MG/L		NV									
MERCURY				.0002 MG/L		UNV									
MOLYBDENUM				.011 MG/L		UNV									
NICKEL				.0446 MG/L		NV									
POTASSIUM				3.42 MG/L		NV									
SELENIUM				.001 MG/L		UNV									

SAMPLE NUMBER:	045812			118206			118209			118210			118211		
LAB:	IT			LOCKHEED			FERMCO			FERMCO			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)
INORGANICS															
SILVER				.004 MG/L		UNV									
SODIUM				8.38 MG/L		NV									
THALLIUM				.003 MG/L		UNV									
VANADIUM				.038 MG/L		NV									
ZINC				.122 MG/L		NV									
RADIONUCLIDES															
URANIUM-238													11.6 PCI/L	1.5	J
URANIUM, TOTAL							37 UG/L		NV	33 UG/L		NV	32.5 UG/L	2.3	-
URANIUM-234													12.4 PCI/L	1.6	J
THORIUM-230													.6 PCI/L	.4	J
RADIUM-226													2.6 PCI/L	.8	-
URANIUM-235/236													1.1 PCI/L	.3	J
THORIUM-232													.5 PCI/L	.3	J
THORIUM, TOTAL													4.56002976 PCI/L	.3	NV
RADIUM-228													3.1 PCI/L	1.7	U
THORIUM-228													.4 PCI/L	.4	UJ
TECHNETIUM-99													15 PCI/L	6.4	UJ
GROSS ALPHA													226 PCI/L	35.1	NV
GROSS BETA													211 PCI/L	30.7	NV
VOLATILES															
1,1,1-TRICHLOROETHANE				10 UG/L		UNV									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		UNV									
1,1,2-TRICHLOROETHANE				10 UG/L		UNV									
1,2-DICHLOROPROPANE				10 UG/L		UNV									
2-HEXANONE				10 UG/L		UNV									
4-METHYL-2-PENTANONE				10 UG/L		UNV									
BENZENE				10 UG/L		UNV									
BROMODICHLOROMETHANE				10 UG/L		UNV									
BROMOFORM				10 UG/L		UNV									
CARBON TETRACHLORIDE				10 UG/L		UNV									
CHLOROBENZENE				10 UG/L		UNV									
CIS-1,3-DICHLOROPROPENE				10 UG/L		UNV									
DIBROMOCHLOROMETHANE				10 UG/L		UNV									
ETHYLBENZENE				10 UG/L		UNV									
STYRENE				10 UG/L		UNV									
TETRACHLOROETHENE				10 UG/L		UNV									
TOLUENE				10 UG/L		UNV									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		UNV									
TRICHLOROETHENE				10 UG/L		UNV									
XYLENES, TOTAL				10 UG/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118212	118213	045809	045810	045156
TASK:	50.03.23	50.03.23	3.7	3.7	3.7
LAB:	CORE	LOCKHEED	IT	IT	WMCO
WELL OR BORING NUMBER:	1239	1239	1239	1239	1240
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAY-93	13-MAY-93	24-OCT-89	24-OCT-89	01-JUN-89
NORTH COORDINATE:	480033.76	480033.76	480033.76	480033.76	480039.84
EAST COORDINATE:	1379829.46	1379829.46	1379829.46	1379829.46	1380055.08
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															
NITRATE										.1 MG/L		U			
INORGANICS															
ALUMINUM				.024 MG/L		UNV									
ANTIMONY				.027 MG/L		UNV									
ARSENIC				.0035 MG/L		NV									
BARIUM				.183 MG/L		NV									
BERYLLIUM				.001 MG/L		UNV									
CADMIUM				.002 MG/L		UNV									
CALCIUM				130 MG/L		NV									
CHROMIUM				.004 MG/L		UNV									
COBALT				.005 MG/L		UNV									
COPPER				.003 MG/L		UNV									
CYANIDE				.02 MG/L		UNV									
IRON				.0114 MG/L		NV									
LEAD				.002 MG/L		UNV									
MAGNESIUM				34.1 MG/L		NV									
MANGANESE				2.55 MG/L		NV									
MERCURY				.0002 MG/L		UNV									
MOLYBDENUM				.011 MG/L		UNV									
NICKEL				.011 MG/L		UNV									
POTASSIUM				1 MG/L		UNV									
SELENIUM				.001 MG/L		UNV									
SILVER				.004 MG/L		UNV									
SODIUM				6.82 MG/L		NV									
THALLIUM				.003 MG/L		UNV									
VANADIUM				.004 MG/L		UNV									
ZINC				.003 MG/L		UNV									
RADIONUCLIDES															

URANIUM-238	10.4 PCI/L	1.3	J										270 PCI/L		NV
SAMPLE NUMBER:	118212			118213			045809			045810			045156		
LAB:	CORE			LOCKHEED			IT			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)
RADIONUCLIDES															
URANIUM, TOTAL	30.4 UG/L	2.1	J				78 UG/L	8	J				827 UG/L		NV
URANIUM-234	11.1 PCI/L	1.4	J										280 PCI/L		NV
THORIUM-230	.2 PCI/L	.2	UJ												
RADIUM-226	1 PCI/L	.6	UJ												
URANIUM-235/236	.5 PCI/L	.5	J												
THORIUM-232	.2 PCI/L	.2	UJ												
RADIUM-228	3 PCI/L	1.2	UJ												
THORIUM-228	.2 PCI/L	.2	UJ												
GROSS ALPHA	9.5 PCI/L	2.9	NV												
GROSS BETA	11.8 PCI/L	2.7	NV												
URANIUM-235	.5 PCI/L	.5	J										14 PCI/L		NV
URANIUM-236													3.3 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045816	118199	118200	118201	118203
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	FERMCO	FERMCO	DATACHEM	DATACHEM
WELL OR BORING NUMBER:	1240	1240	1240	1240	1240
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-FEB-90	15-MAY-93	15-MAY-93	15-MAY-93	15-MAY-93
NORTH COORDINATE:	480039.84	480039.84	480039.84	480039.84	480039.84
EAST COORDINATE:	1380055.08	1380055.08	1380055.08	1380055.08	1380055.08
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	1.2 MG/L		-							.96 MG/L		-			
NITRATE/NITRITE										.96 MG/L		-			
PHENOLS										.02 MG/L		U			
PHOSPHORUS										3 MG/L		-			
SULFIDE										1 MG/L		U			
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALIDES										.03 MG/L		-			
INORGANICS															
ALUMINUM										32.3 MG/L		-	.0324 MG/L		U
ANTIMONY										.045 MG/L		U	.0517 MG/L		J
ARSENIC										.0047 MG/L		UJ	.001 MG/L		UJ
BARIUM										.289 MG/L		-	.0626 MG/L		-
BERYLLIUM										.0025 MG/L		U	.0014 MG/L		U
CADMIUM										.003 MG/L		U	.0034 MG/L		J
CALCIUM										571 MG/L		-	79.5 MG/L		-
CHROMIUM										.0459 MG/L		-	.004 MG/L		UJ
COBALT										.0291 MG/L		-	.0065 MG/L		-
COPPER										.0697 MG/L		-	.004 MG/L		U
CYANIDE										.01 MG/L		U	.01 MG/L		U
IRON										74.1 MG/L		-	.015 MG/L		U
LEAD										.0245 MG/L		J	.0018 MG/L		U
MAGNESIUM										184 MG/L		-	21.3 MG/L		-
MANGANESE										2.53 MG/L		-	.0017 MG/L		U
MERCURY										.0002 MG/L		U	.0002 MG/L		U
NICKEL										.0785 MG/L		U	.0239 MG/L		U
POTASSIUM										8.67 MG/L		-	.657 MG/L		U
SELENIUM										.0138 MG/L		R	.001 MG/L		UR
SILVER										.003 MG/L		UJ	.003 MG/L		UJ
SODIUM										33.2 MG/L		-	28.1 MG/L		-

SAMPLE NUMBER:	045816			118199			118200			118201			118203		
LAB:	IT			FERMCO			FERMCO			DATACHEM			DATACHEM		
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															
THALLIUM										.001 MG/L		U	.001 MG/L		U
VANADIUM										.0672 MG/L		-	.004 MG/L		U
ZINC										.211 MG/L		-	.0237 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL				980 UG/L		NV	1000 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			
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:	118204	118205	045814	045815	045821
TASK:	50.03.23	50.03.23	3.7	3.7	3.7
LAB:	CORE	CORE	IT	IT	IT
WELL OR BORING NUMBER:	1240	1240	1240	1240	1241
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-MAY-93	15-MAY-93	24-OCT-89	24-OCT-89	03-FEB-90
NORTH COORDINATE:	480039.84	480039.84	480039.84	480039.84	480029.99
EAST COORDINATE:	1380055.08	1380055.08	1380055.08	1380055.08	1380277.94
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										.76 MG/L		-	.1 MG/L		U
RADIONUCLIDES															
URANIUM-238	355 PCI/L	45.1	J	316 PCI/L	40.5	J									
URANIUM, TOTAL	1140 UG/L	79.7	-	1100 UG/L	77.1	-	745 UG/L	106	J						
URANIUM-234	345 PCI/L	44.1	J	342 PCI/L	43.5	J									
THORIUM-230	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.6	U	1.8 PCI/L	.7	R									
URANIUM-235/236	22.2 PCI/L	6.2	J	17 PCI/L	4.9	J									
THORIUM-232	.2 PCI/L	.2	UJ	.3 PCI/L	.2	J									
THORIUM, TOTAL	.912 PCI/L	.2	NV	2.7360366 PCI/L	.2	NV									
RADIUM-228	3 PCI/L	1.4	U	3 PCI/L	1.4	U									
THORIUM-228	.3 PCI/L	.2	UJ	.3 PCI/L	.2	J									
TECHNETIUM-99	31.6 PCI/L	8.6	J	45.2 PCI/L	8.6	J									
GROSS ALPHA	727 PCI/L	21.6	NV	601 PCI/L	71.9	NV									
GROSS BETA	390 PCI/L	9.8	NV	983 PCI/L	55.1	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045209			118190			118191			118194			118195		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	WMCO			DATACHEM			DATACHEM			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1241			1241			1241			1241			1241		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	08-JUN-89			15-MAY-93			15-MAY-93			15-MAY-93			15-MAY-93		
NORTH COORDINATE:	480029.99			480029.99			480029.99			480029.99			480029.99		
EAST COORDINATE:	1380277.94			1380277.94			1380277.94			1380277.94			1380277.94		
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															
AMMONIA				.05 MG/L		U									
NITRATE/NITRITE				.05 MG/L		U									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				2.7 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.04 MG/L		-									
INORGANICS															
ALUMINUM				9.64 MG/L		-	.014 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.005 MG/L		UJ	.0016 MG/L		UJ						
BARIUM				.144 MG/L		-	.0523 MG/L		-						
BERYLLIUM				.0013 MG/L		U	.0013 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						
CALCIUM				239 MG/L		-	128 MG/L		-						
CHROMIUM				.0196 MG/L		UJ	.004 MG/L		UJ						
COBALT				.0163 MG/L		-	.006 MG/L		U						
COPPER				.0187 MG/L		U	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				23.1 MG/L		-	.015 MG/L		U						
LEAD				.0124 MG/L		-	.001 MG/L		UJ						
MAGNESIUM				95.1 MG/L		-	54.6 MG/L		-						
MANGANESE				1.5 MG/L		-	.493 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0494 MG/L		-	.022 MG/L		-						
POTASSIUM				3.22 MG/L		-	.79 MG/L		-						
SELENIUM				.0017 MG/L		R	.0014 MG/L		R						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				14 MG/L		J	16.4 MG/L		J						
THALLIUM				.001 MG/L		U	.001 MG/L		UJ						

001398

SAMPLE NUMBER:	045209			118190			118191			118194			118195		
LAB:	WMCO			DATACHEM			DATACHEM			FERMCO			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															
VANADIUM				.024 MG/L		U	.004 MG/L		U						
ZINC				.0788 MG/L		J	.006 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	16.6 UG/L		NV							200 UG/L		NV	620 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									
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:	118196			118197			045210			045819			045154		
TASK:	50.03.23			50.03.23			3.7			3.7			3.7		
LAB:	CORE			CORE			IT			IT			WMCO		
WELL OR BORING NUMBER:	1241			1241			1241			1241			1242		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-MAY-93			15-MAY-93			24-OCT-89			24-OCT-89			01-JUN-89		
NORTH COORDINATE:	480029.99			480029.99			480029.99			480029.99			480030.6		
EAST COORDINATE:	1380277.94			1380277.94			1380277.94			1380277.94			1380507.21		
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			
RADIONUCLIDES															
URANIUM-238	172 PCI/L	19.2	J	200 PCI/L	27.1	J							340 PCI/L		NV
URANIUM, TOTAL	465 UG/L	32.6	J	856 UG/L	59.9	-	924 UG/L	132	J				1021 UG/L		NV
URANIUM-234	178 PCI/L	19.8	J	214 PCI/L	28.8	J							350 PCI/L		NV
THORIUM-230	1.3 PCI/L	.5	J	.2 PCI/L	.3	UJ									
RADIUM-226	1.7 PCI/L	.7	J	1.1 PCI/L	.6	U									
URANIUM-235/236	10.9 PCI/L	2.5	J	17.7 PCI/L	4.8	J									
THORIUM-232	.5 PCI/L	.3	J	.2 PCI/L	.2	UJ									
THORIUM, TOTAL	4.56016208 PCI/L		NV												
RADIUM-228	3.8 PCI/L	1.2	J	3 PCI/L	1.2	U									
THORIUM-228	.8 PCI/L	.3	J	.4 PCI/L	.2	J									
TECHNETIUM-99				15 PCI/L	7.8	UJ									
GROSS ALPHA	231 PCI/L	37.4	NV	474 PCI/L	18.8	NV									
GROSS BETA	285 PCI/L	28.8	NV	230 PCI/L	8.3	NV									
URANIUM-235	10.9 PCI/L	2.5	J	17.7 PCI/L	4.8	J							17 PCI/L		NV
URANIUM-236													3.9 PCI/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045827	118272	118274	118275	118276
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	DATACHEM	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	1242	1242	1242	1242	1242
DEPTH:	-	-	-	-	-
DATE COLLECTED:	03-FEB-90	15-MAY-93	15-MAY-93	15-MAY-93	15-MAY-93
NORTH COORDINATE:	480030.6	480030.6	480030.6	480030.6	480030.6
EAST COORDINATE:	1380507.21	1380507.21	1380507.21	1380507.21	1380507.21
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				.05 MG/L		U									
NITRATE	.88 MG/L		-	.96 MG/L		-									
NITRATE/NITRITE				.96 MG/L		-									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				2.4 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				2 MG/L		-									
TOTAL ORGANIC HALIDES				.05 MG/L		-									
INORGANICS															
ALUMINUM				26.8 MG/L		-									
ANTIMONY				.045 MG/L		U									
ARSENIC				.0036 MG/L		UJ									
BARIUM				.245 MG/L		-									
BERYLLIUM				.0019 MG/L		U									
CADMIUM				.003 MG/L		U									
CALCIUM				272 MG/L		-									
CHROMIUM				.032 MG/L		J									
COBALT				.0252 MG/L		-									
COPPER				.0604 MG/L		-									
CYANIDE				.01 MG/L		U									
IRON				60.5 MG/L		-									
LEAD				.0172 MG/L		-									
MAGNESIUM				94 MG/L		-									
MANGANESE				1.16 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.0814 MG/L		U									
POTASSIUM				6.92 MG/L		-									
SELENIUM				.01 MG/L		UR									
SILVER				.003 MG/L		UJ									
SODIUM				11.5 MG/L		-									

SAMPLE NUMBER:	045827			118272			118274			118275			118276		
LAB:	IT			DATACHEM			CORE			CORE			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)
INORGANICS															
THALLIUM				.001 MG/L		-									
VANADIUM				.0516 MG/L		-									
ZINC				.165 MG/L		-									
RADIONUCLIDES															
URANIUM-238							150 PCI/L	23.8	J	459 PCI/L	69.5	-			
URANIUM, TOTAL							136 UG/L	9.5	-	1280 UG/L	89.5	-	1500 UG/L		NV
URANIUM-234							133 PCI/L	21.3	J	444 PCI/L	68.3	-			
THORIUM-230							.3 PCI/L	.2	R	.2 PCI/L	.2	UJ			
RADIUM-226							1.1 PCI/L	.4	J	1 PCI/L	.3	U			
URANIUM-235/236							13.9 PCI/L	3	J	20.1 PCI/L	13.6	-			
THORIUM-232							.2 PCI/L	.3	R	.2 PCI/L	.2	U			
RADIUM-228							3 PCI/L	1.1	U	3 PCI/L	1.2	U			
THORIUM-228							.1 PCI/L	.7	R	2.6 PCI/L	2.6	-			
TECHNETIUM-99							69.3 PCI/L	8.5	J	70.7 PCI/L	10.3	-			
GROSS ALPHA							1020 PCI/L	76.7	NV	825 PCI/L	20.6	NV			
GROSS BETA							635 PCI/L	46.9	NV	568 PCI/L	10.2	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									
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									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045827			118272			118274			118275			118276		
LAB:	IT			DATACHEM			CORE			CORE			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)
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 1 WELLS

SAMPLE NUMBER:	118277			118278			045823			045824			045825		
TASK:	50.03.23			50.03.23			3.7			3.7			3.7		
LAB:	FERMCO			DATACHEM			IT			IT			IT		
WELL OR BORING NUMBER:	1242			1242			1242			1242			1242		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-MAY-93			15-MAY-93			24-OCT-89			24-OCT-89			24-OCT-89		
NORTH COORDINATE:	480030.6			480030.6			480030.6			480030.6			480030.6		
EAST COORDINATE:	1380507.21			1380507.21			1380507.21			1380507.21			1380507.21		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			DUPLICATE		
QC OF:													045823		
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															
NITRATE										.94 MG/L		-			
INORGANICS															
ALUMINUM				.0327 MG/L		U									
ANTIMONY				.045 MG/L		U									
ARSENIC				.001 MG/L		UJ									
BARIUM				.0758 MG/L		-									
BERYLLIUM				.0013 MG/L		U									
CADMIUM				.003 MG/L		U									
CALCIUM				73.4 MG/L		-									
CHROMIUM				.004 MG/L		UJ									
COBALT				.006 MG/L		U									
COPPER				.004 MG/L		U									
CYANIDE				.01 MG/L		U									
IRON				.0274 MG/L		U									
LEAD				.0018 MG/L		U									
MAGNESIUM				24.8 MG/L		-									
MANGANESE				.0957 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.019 MG/L		U									
POTASSIUM				.722 MG/L		U									
SELENIUM				.0011 MG/L		R									
SILVER				.003 MG/L		UJ									
SODIUM				10.8 MG/L		-									
THALLIUM				.001 MG/L		U									
VANADIUM				.004 MG/L		U									
ZINC				.0171 MG/L		U									
RADIONUCLIDES															
URANIUM, TOTAL	1200 UG/L		NV				996 UG/L	49	J				987 UG/L	144	

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045826			045155			045830			045828			045829		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			WMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1242			1243			1243			1243			1243		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	24-OCT-89			01-JUN-89			03-FEB-90			25-OCT-89			25-OCT-89		
NORTH COORDINATE:	480030.6			480039.47			480039.47			480039.47			480039.47		
EAST COORDINATE:	1380507.21			1380558.22			1380558.22			1380558.22			1380558.22		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	048824														
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	1.1 MG/L		-				.1 MG/L		U				.1 MG/L		U
RADIONUCLIDES															
URANIUM-238				3.5 PCI/L		NV									
URANIUM, TOTAL				10.5 UG/L		NV				14 UG/L	1	-			
URANIUM-234				2.5 PCI/L		NV									
URANIUM-235				.16 PCI/L		NV									
URANIUM-236				.02 PCI/L		NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045835			045127			045127			045833			045834		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			FERMCO			WMCO			IT			IT		
WELL OR BORING NUMBER:	1244			1244			1244			1244			1244		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-FEB-90			09-MAY-89			09-MAY-89			25-OCT-89			25-OCT-89		
NORTH COORDINATE:	480060.18			480060.18			480060.18			480060.18			480060.18		
EAST COORDINATE:	1380618.73			1380618.73			1380618.73			1380618.73			1380618.73		
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															
NITRATE	.1 MG/L		U				39 MG/L		NV				.1 MG/L		U
NITRITE, AS NITROGEN							14 MG/L		NV						
RADIONUCLIDES															
URANIUM, TOTAL				45 UG/L		NV				23 UG/L	3	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045390			045391			045392			045393			045227		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			WMCO		
WELL OR BORING NUMBER:	1245			1245			1245			1245			1246		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-OCT-89			17-OCT-89			26-AUG-90			26-AUG-90			11-AUG-89		
NORTH COORDINATE:	479951.92			479951.92			479951.92			479951.92			479886.27		
EAST COORDINATE:	1380057.83			1380057.83			1380057.83			1380057.83			1379873.45		
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															
NITRATE				.1 MG/L		U				.1 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	92 UG/L	16	J				54.9 UG/L	8.5	-				141 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045840	045840	045840	045841	120465
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	IT	IT	IT	IT	DATACHEM
WELL OR BORING NUMBER:	1246	1246	1246	1246	1246
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-JUN-90	18-JUN-90	18-JUN-90	19-JUN-90	22-JUL-93
NORTH COORDINATE:	479886.27	479886.27	479886.27	479886.27	479886.27
EAST COORDINATE:	1379873.45	1379873.45	1379873.45	1379873.45	1379873.45
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	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)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3													370 MG/L		-
AMMONIA													.1 MG/L		-
CHLORIDE													14 MG/L		-
FLUORIDE													.3 MG/L		-
NITRATE										.46 MG/L		-	.09 MG/L		J
NITRATE/NITRITE													.09 MG/L		J
PHENOLS													.002 MG/L		UJ
PHOSPHORUS													2.2 MG/L		-
SULFATE													54 MG/L		-
SULFIDE													1 MG/L		U
TOTAL KJELDAHL NITROGEN													1.3 MG/L		U
TOTAL ORGANIC CARBON													2 MG/L		J
TOTAL ORGANIC HALIDES													.23 MG/L		J
TOTAL ORGANIC NITROGEN													1.2 MG/L		U
INORGANICS															
ALUMINUM	.07 MG/L		-										33 MG/L		-
ANTIMONY	.03 MG/L		U										.045 MG/L		U
ARSENIC	.002 MG/L		U										.0023 MG/L		-
BARIUM	.0504 MG/L		-										.241 MG/L		-
BERYLLIUM	.002 MG/L		U										.002 MG/L		U
CADMIUM	.0045 MG/L		-										.003 MG/L		U
CALCIUM	145 MG/L		-										593 MG/L		-
CHROMIUM	.034 MG/L		-										.0646 MG/L		-
COBALT	.01 MG/L		U										.0406 MG/L		-
COPPER	.01 MG/L		U										.158 MG/L		-
CYANIDE							.0058 MG/L		-				.01 MG/L		U
IRON	.0366 MG/L		-										109 MG/L		-
LEAD	.002 MG/L		J										.0441 MG/L		J
MAGNESIUM	36.7 MG/L		-										274 MG/L		-
MANGANESE	.191 MG/L		-										9.92 MG/L		-

SAMPLE NUMBER:	045840			045840			045840			045841			120465		
LAB:	IT			IT			IT			IT			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			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)
INORGANICS															
MERCURY	.0002 MG/L		U										.0002 MG/L		U
NICKEL	.02 MG/L		U										.128 MG/L		J
POTASSIUM	.446 MG/L		-										4.68 MG/L		-
SELENIUM	.002 MG/L		UJ										.02 MG/L		UJ
SILVER	.0197 MG/L		-										.0034 MG/L		J
SODIUM	11.7 MG/L		-										9.87 MG/L		-
THALLIUM	.0022 MG/L		J										.001 MG/L		U
VANADIUM	.0135 MG/L		-										.0817 MG/L		-
ZINC	.005 MG/L		U										.369 MG/L		-
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						
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						

SAMPLE NUMBER:	045840			045840			045840			045841			120465		
LAB:	IT			IT			IT			IT			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			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															
2,4,6-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		U						
2-METHYLNAPHTHALENE							10 UG/L		UJ						
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		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		UJ						
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						
BIS(2-CHLOROISOPROPYL) ETHER							10 UG/L		UJ						
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		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						

SAMPLE NUMBER:	045840			045840			045840			045841			120465		
LAB:	IT			IT			IT			IT			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			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		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						
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				.002 MG/L		UJ
PYRENE							10 UG/L		UJ						
VOLATILES															
1,1,1-TRICHLOROETHANE							32 UG/L		-				26 UG/L		-
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							30 UG/L		-				83 UG/L		-
1,1-DICHLOROETHENE							5 UG/L		U				3 UG/L		J
1,2-DICHLOROETHANE							5 UG/L		U				10 UG/L		U
1,2-DICHLOROETHENE (TOTAL)							12 UG/L		-				56 UG/L		-
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		U
4-METHYL-2-PENTANONE							10 UG/L		U				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		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		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		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		UJ				10 UG/L		U
METHYLENE CHLORIDE							5 UG/L		U				10 UG/L		U
STYRENE							5 UG/L		UJ				10 UG/L		U
TETRACHLOROETHENE							29 UG/L		-				22 UG/L		-
TOLUENE							5 UG/L		UJ				10 UG/L		U
TRANS-1,3-DICHLOROPROPENE							5 UG/L		U				10 UG/L		U

006040

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SAMPLE NUMBER:	045840			045840			045840			045841			120465		
LAB:	IT			IT			IT			IT			DATACHEM		
SUFFIX/FILTERFLAG:	NONE-FIL			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															
TRICHLOROETHENE							29 UG/L		-				33 UG/L		-
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U				10 UG/L		U
XYLENES, TOTAL							5 UG/L		UJ				10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120465F	120466	120466F	120467	120467F
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	DATACHEM	DATACHEM	DATACHEM	CORE	CORE
WELL OR BORING NUMBER:	1246	1246	1246	1246	1246
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-JUL-93	22-JUL-93	22-JUL-93	22-JUL-93	22-JUL-93
NORTH COORDINATE:	479886.27	479886.27	479886.27	479886.27	479886.27
EAST COORDINATE:	1379873.45	1379873.45	1379873.45	1379873.45	1379873.45
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		120465	120465		
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				380 MG/L		-									
AMMONIA				.05 MG/L		U									
CHLORIDE				14 MG/L		-									
FLUORIDE				.3 MG/L		-									
NITRATE/NITRITE				.06 MG/L		J									
PHENOLS				.002 MG/L		UJ									
PHOSPHORUS				2.1 MG/L		-									
SULFATE				53 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL KJELDAHL NITROGEN				1 MG/L		U									
TOTAL ORGANIC CARBON				3 MG/L		J									
TOTAL ORGANIC HALIDES				.19 MG/L		J									
TOTAL ORGANIC NITROGEN				1 MG/L		U									
INORGANICS															
ALUMINUM	.0398 MG/L		U	26.5 MG/L		-	.0493 MG/L		U						
ANTIMONY	.045 MG/L		U	.045 MG/L		U	.045 MG/L		U						
ARSENIC	.001 MG/L		U	.0032 MG/L		-	.001 MG/L		U						
BARIUM	.0443 MG/L		-	.189 MG/L		-	.043 MG/L		-						
BERYLLIUM	.001 MG/L		U	.0017 MG/L		U	.001 MG/L		U						
CADMIUM	.003 MG/L		U	.003 MG/L		U	.003 MG/L		U						
CALCIUM	127 MG/L		-	538 MG/L		-	130 MG/L		-						
CHROMIUM	.0091 MG/L		-	.0428 MG/L		-	.0072 MG/L		U						
COBALT	.006 MG/L		U	.0234 MG/L		-	.006 MG/L		U						
COPPER	.004 MG/L		U	.0724 MG/L		-	.004 MG/L		U						
CYANIDE	.01 MG/L		U	.01 MG/L		U	.01 MG/L		U						
IRON	.137 MG/L		U	67.3 MG/L		-	.146 MG/L		U						
LEAD	.0013 MG/L		UJ	.0284 MG/L		J	.0012 MG/L		UJ						
MAGNESIUM	31.3 MG/L		-	242 MG/L		-	31.8 MG/L		-						
MANGANESE	.101 MG/L		-	5.23 MG/L		-	.0886 MG/L		-						
MERCURY	.0002 MG/L		U	.0002 MG/L		U	.0002 MG/L		U						

SAMPLE NUMBER:	120465F			120466			120466F			120467			120467F		
LAB:	DATACHEM			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															
NICKEL	.019 MG/L		U	.0738 MG/L		U	.019 MG/L		U						
POTASSIUM	.641 MG/L		-	5.77 MG/L		-	.807 MG/L		-						
SELENIUM	.002 MG/L		U	.02 MG/L		U	.002 MG/L		UJ						
SILVER	.003 MG/L		UJ	.0035 MG/L		J	.003 MG/L		UJ						
SODIUM	9.06 MG/L		-	9.81 MG/L		-	9.04 MG/L		-						
THALLIUM	.001 MG/L		U	.001 MG/L		U	.001 MG/L		U						
VANADIUM	.004 MG/L		U	.0621 MG/L		-	.004 MG/L		U						
ZINC	.006 MG/L		U	.192 MG/L		-	.008 MG/L		U						
RADIONUCLIDES															
URANIUM-238										44.3 PCI/L	4.8	-	41.9 PCI/L	4.5	J
URANIUM, TOTAL										103 UG/L	7.2	-	116 UG/L	8.1	-
URANIUM-234										42.6 PCI/L	5.6	-	44 PCI/L	4.7	J
THORIUM-230										.4 PCI/L	.2	R	.2 PCI/L	.2	UJ
RADIUM-226										4.3 PCI/L	.6	J	1 PCI/L	.2	UJ
URANIUM-235/236										4.4 PCI/L	.9	-	2.1 PCI/L	.5	J
THORIUM-232										.3 PCI/L	.3	R	.2 PCI/L	.1	UJ
RADIUM-228										3 PCI/L	1.1	U	3 PCI/L	.9	UJ
THORIUM-228										.2 PCI/L	.2	R	.2 PCI/L	.2	UJ
TECHNETIUM-99										15 PCI/L	7.6	U			
VOLATILES															
1,1,1-TRICHLOROETHANE				38 UG/L		-									
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE				100 UG/L		-									
1,1-DICHLOROETHENE				4 UG/L		J									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)				68 UG/L		-									
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									

SAMPLE NUMBER:	120465F			120466			120466F			120467			120467F		
LAB:	DATACHEM			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															
DIBROMOCHLOROMETHANE				10 UG/L		U									
ETHYLBENZENE				10 UG/L		U									
METHYLENE CHLORIDE				10 UG/L		U									
STYRENE				10 UG/L		U									
TETRACHLOROETHENE				49 UG/L		-									
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE				53 UG/L		-									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120468			120468F			120475			120475F			120476		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	CORE			CORE			FERMCO			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1246			1246			1246			1246			1246		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JUL-93			22-JUL-93			22-JUL-93			22-JUL-93			22-JUL-93		
NORTH COORDINATE:	479886.27			479886.27			479886.27			479886.27			479886.27		
EAST COORDINATE:	1379873.45			1379873.45			1379873.45			1379873.45			1379873.45		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			DUPLICATE		
QC OF:	120467			120467F									120475		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	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	2.1 PCI/L	.5	-	39.9 PCI/L	4.6	J									
URANIUM, TOTAL	95.1 UG/L	6.7	-	110 UG/L	7.7	-	160 UG/L		NV	130 UG/L		NV	150 UG/L		NV
URANIUM-234	2.3 PCI/L	.5	-	45.7 PCI/L	5.1	J									
THORIUM-230	.4 PCI/L	.2	U	.2 PCI/L	.2	UJ									
RADIUM-226	2.1 PCI/L	.4	J	1 PCI/L	.2	UJ									
URANIUM-235/236	.2 PCI/L	.1	U	2.7 PCI/L	.6	J									
THORIUM-232	.2 PCI/L	.3	U	.2 PCI/L	.1	UJ									
RADIUM-228	3 PCI/L	1.4	U	3 PCI/L	.8	UJ									
THORIUM-228	.2 PCI/L	.2	U	.2 PCI/L	.2	UJ									
TECHNETIUM-99	15 PCI/L	7	U	15 PCI/L	7	UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120476F			045228			045839			047001			047001		
TASK:	50.03.23			3.7			3.7			3.7			3.7		
LAB:	FERMCO			IT			IT			IT			IT/RSL		
WELL OR BORING NUMBER:	1246			1246			1246			1247			1247		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	22-JUL-93			25-OCT-89			25-OCT-89			20-DEC-91			20-DEC-91		
NORTH COORDINATE:	479886.27			479886.27			479886.27			479914.24			479914.24		
EAST COORDINATE:	1379873.45			1379873.45			1379873.45			1379929.82			1379929.82		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	120475F														
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	14.9 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	120 UG/L		NV	177 UG/L	18	-									
THORIUM, TOTAL													6.7 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046835			046836			046837			046837			046837		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1250			1250			1250			1250			1250		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-JUN-90			15-JUN-90			18-JUN-90			18-JUN-90			18-JUN-90		
NORTH COORDINATE:	479809.04			479809.04			479809.04			479809.04			479809.04		
EAST COORDINATE:	1379858.62			1379858.62			1379858.62			1379858.62			1379858.62		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-UNF			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															
NITRATE				.55 MG/L		-									
INORGANICS															
ALUMINUM							.0728 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.0641 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.0055 MG/L		-						
CALCIUM							154 MG/L		-						
CHROMIUM							.0367 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.0109 MG/L		-						
CYANIDE										.002 MG/L		U			
IRON							.0455 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							38.5 MG/L		-						
MANGANESE							.0736 MG/L		-						
MERCURY							.00048 MG/L		-						
NICKEL							.02 MG/L		U						
POTASSIUM							1.89 MG/L		-						
SELENIUM							.0023 MG/L		J						
SILVER							.021 MG/L		-						
SODIUM							12.5 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.0143 MG/L		-						
ZINC							.005 MG/L		U						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			

SAMPLE NUMBER:	046835			046836			046837			046837			046837		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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															
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	427 UG/L	89	J												
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
1,2-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
1,3-DICHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
1,4-DICHLOROBENZENE										10 UG/L		UJ	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		UJ	10 UG/L		UR
2,6-DINITROTOLUENE										10 UG/L		UJ	10 UG/L		UR
2-CHLORONAPHTHALENE										10 UG/L		UJ	10 UG/L		UR
2-CHLOROPHENOL										10 UG/L		UJ	10 UG/L		UR
2-METHYLNAPHTHALENE										10 UG/L		UJ	10 UG/L		UR

SAMPLE NUMBER:	046835			046836			046837			046837			046837		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UR
2-NITROANILINE										50 UG/L		UJ	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		UJ	50 UG/L		UR
4,6-DINITRO-2-METHYLPHENOL										50 UG/L		UJ	50 UG/L		UR
4-BROMOPHENYL PHENYL ETHER										10 UG/L		UJ	10 UG/L		UR
4-CHLORO-3-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UR
4-CHLOROPHENYLPHENYL ETHER										10 UG/L		UJ	10 UG/L		UR
4-METHYLPHENOL										10 UG/L		UJ	10 UG/L		UR
4-NITROANILINE										50 UG/L		UJ	50 UG/L		UR
4-NITROPHENOL										50 UG/L		UJ	50 UG/L		UR
ACENAPHTHENE										10 UG/L		UJ	10 UG/L		UR
ACENAPHTHYLENE										10 UG/L		UJ	10 UG/L		UR
ANTHRACENE										10 UG/L		UJ	10 UG/L		UR
BENZO(A)ANTHRACENE										10 UG/L		UJ	10 UG/L		UR
BENZO(A)PYRENE										10 UG/L		UJ	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
BENZO(K)FLUORANTHENE										10 UG/L		UJ	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		UJ	10 UG/L		UR
CHRYSENE										10 UG/L		UJ	10 UG/L		UR
DI-N-BUTYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
DI-N-OCTYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
DIBENZO(A,H)ANTHRACENE										10 UG/L		UJ	10 UG/L		UR
DIBENZOFURAN										10 UG/L		UJ	10 UG/L		UR
DIETHYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
DIMETHYL PHTHALATE										10 UG/L		UJ	10 UG/L		UR
FLUORANTHENE										10 UG/L		UJ	10 UG/L		UR
FLUORENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROBENZENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROBUTADIENE										10 UG/L		UJ	10 UG/L		UR
HEXACHLOROCYCLOPENTADIENE										10 UG/L		UJ	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		UJ	10 UG/L		UR
N-NITROSO-DI-N-PROPYLAMINE										10 UG/L		UJ	10 UG/L		UR
N-NITROSODIPHENYLAMINE										10 UG/L		UJ	10 UG/L		UR
NAPHTHALENE										10 UG/L		UJ	10 UG/L		UR
NITROBENZENE										10 UG/L		UJ	10 UG/L		UR

SAMPLE NUMBER:	046835			046836			046837			046837			046837		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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															
P-CHLOROANILINE										10 UG/L		UJ	10 UG/L		UR
PENTACHLOROPHENOL										50 UG/L		UJ	50 UG/L		UR
PHENANTHRENE										10 UG/L		UJ	10 UG/L		UR
PHENOL										10 UG/L		UJ	10 UG/L		UR
PYRENE										10 UG/L		UJ	10 UG/L		UR
VOLATILES															
1,1,1-TRICHLOROETHANE										12 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)										2 UG/L		J			
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		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										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										6 UG/L		-			
TOLUENE										5 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										5 UG/L		-			
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:	046838			046834			047002			047002			046723		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT/RSL			IT		
WELL OR BORING NUMBER:	1250			1250			1251			1251			1253		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	19-JUN-90			22-JAN-90			20-DEC-91			20-DEC-91			15-JUN-90		
NORTH COORDINATE:	479809.04			479809.04			479870.6			479870.6			479809.06		
EAST COORDINATE:	1379858.62			1379858.62			1379933.54			1379933.54			1379885.99		
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															
NITRATE	1.6 MG/L		-	.3 MG/L		-	1.01 MG/L		-						
RADIONUCLIDES															
URANIUM, TOTAL				833 UG/L	143	-				4400 UG/L	500	-	28.8 UG/L	5	J
THORIUM, TOTAL										.7 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046724			046722			046722			118215			118216		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	IT			IT			IT			LOCKHEED			LOCKHEED		
WELL OR BORING NUMBER:	1253			1253			1253			1255			1255		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-JUN-90			16-JAN-90			16-JAN-90			13-MAY-93			13-MAY-93		
NORTH COORDINATE:	479809.06			479809.06			479809.06			479801.6			479801.6		
EAST COORDINATE:	1379885.99			1379885.99			1379885.99			1380248.75			1380248.75		
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										.13 MG/L		NV			
FLUORIDE										.93 MG/L		NV			
NITRATE	.1 MG/L		U				.1 MG/L		U	.05 MG/L		UNV			
NITRATE/NITRITE										.05 MG/L		UNV			
PHENOLS										.15 MG/L		UNV			
PHOSPHORUS										.57 MG/L		NV			
TOTAL ORGANIC CARBON										10 MG/L		UNV			
TOTAL ORGANIC HALIDES										.051 MG/L		NV			
INORGANICS															
ALUMINUM										13.5 MG/L		NV	.024 MG/L		UNV
ANTIMONY										.027 MG/L		UNV	.027 MG/L		UNV
ARSENIC										.0071 MG/L		NV	.0059 MG/L		NV
BARIUM										.232 MG/L		NV	.118 MG/L		NV
BERYLLIUM										.0024 MG/L		NV	.001 MG/L		UNV
CADMIUM										.002 MG/L		UNV	.002 MG/L		UNV
CALCIUM										673 MG/L		NV	140 MG/L		NV
CHROMIUM										.0157 MG/L		NV	.004 MG/L		UNV
COBALT										.0102 MG/L		NV	.005 MG/L		UNV
COPPER										.0406 MG/L		NV	.003 MG/L		UNV
CYANIDE										.02 MG/L		UNV			
IRON										32.6 MG/L		NV	.173 MG/L		NV
LEAD										.0142 MG/L		NV	.002 MG/L		UNV
MAGNESIUM										220 MG/L		NV	68.4 MG/L		NV
MANGANESE										3.04 MG/L		NV	.186 MG/L		NV
MERCURY										.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.0148 MG/L		NV	.011 MG/L		UNV
NICKEL										.0334 MG/L		NV	.011 MG/L		UNV
POTASSIUM										6.63 MG/L		NV	1.55 MG/L		NV
SELENIUM										.001 MG/L		UNV	.001 MG/L		UNV
SILVER										.004 MG/L		UNV	.004 MG/L		UNV

002022

6416

SAMPLE NUMBER:	046724			046722			046722			118215			118216		
LAB:	IT			IT			IT			LOCKHEED			LOCKHEED		
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															
SODIUM										165 MG/L		NV	153 MG/L		NV
THALLIUM										.003 MG/L		UNV	.003 MG/L		UNV
VANADIUM										.0182 MG/L		NV	.004 MG/L		UNV
ZINC										.137 MG/L		NV	.0075 MG/L		NV
RADIONUCLIDES															
URANIUM, TOTAL				47.1 UG/L	8.3	-									
VOLATILES															
1,1,1-TRICHLOROETHANE										10 UG/L		UNV			
1,1,2,2-TETRACHLOROETHANE										10 UG/L		UNV			
1,1,2-TRICHLOROETHANE										10 UG/L		UNV			
1,1-DICHLOROETHANE										5 UG/L		NV			
1,1-DICHLOROETHENE										4 UG/L		NV			
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										10 UG/L		UNV			
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										10 UG/L		UNV			
STYRENE										10 UG/L		UNV			
TETRACHLOROETHENE										10 UG/L		UNV			
TOLUENE										10 UG/L		UNV			
TRANS-1,3-DICHLOROPROPENE										10 UG/L		UNV			
TRICHLOROETHENE										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:	118218	118219	118220	118221	045386
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	FERMCO	FERMCO	CORE	CORE	IT
WELL OR BORING NUMBER:	1255	1255	1255	1255	1255
DEPTH:	-	-	-	-	-
DATE COLLECTED:	13-MAY-93	13-MAY-93	13-MAY-93	13-MAY-93	18-OCT-89
NORTH COORDINATE:	479801.6	479801.6	479801.6	479801.6	479801.6
EAST COORDINATE:	1380248.75	1380248.75	1380248.75	1380248.75	1380248.75
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)
RADIONUCLIDES															
URANIUM-238							172 PCI/L	21.6	J	174 PCI/L	24.6	R			
URANIUM, TOTAL	810 UG/L		NV	500 UG/L		NV	459 UG/L	32.1	J	765 UG/L	53.5	J	391 UG/L	57	-
URANIUM-234							253 PCI/L	30.7	J	240 PCI/L	32.5	R			
THORIUM-230							.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ			
RADIUM-226							1 PCI/L	.6	UJ	1 PCI/L	.6	UJ			
URANIUM-235/236							17.1 PCI/L	3.7	J	9.8 PCI/L	3.4	R			
THORIUM-232							.3 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
THORIUM, TOTAL							2.7360244 PCI/L	.2	NV						
RADIUM-228							3 PCI/L	1.2	UJ	3.3 PCI/L	1.3	J			
THORIUM-228							.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ			
GROSS ALPHA							343 PCI/L	23.5	NV	196 PCI/L	15.5	NV			
GROSS BETA							258 PCI/L	13.2	NV	197 PCI/L	9.6	NV			

SAMPLE NUMBER:	045387			045388			045389			046988			046989		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1255			1255			1255			1258			1258		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	18-OCT-89			26-AUG-90			26-AUG-90			06-OCT-90			06-OCT-90		
NORTH COORDINATE:	479801.6			479801.6			479801.6			479746.35			479746.35		
EAST COORDINATE:	1380248.75			1380248.75			1380248.75			1379938.82			1379938.82		
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)
GENERAL CHEMISTRY															
NITRATE	.1 MG/L		U				.1 MG/L		U				28 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL				1610 UG/L	240	-				57000 UG/L	7650	-			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046990			046993			046994			046995			046996		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1258			1259			1259			1259			1259		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	07-JAN-91			06-OCT-90			06-OCT-90			07-JAN-91			07-JAN-91		
NORTH COORDINATE:	479746.35			479741.4			479741.4			479741.4			479741.4		
EAST COORDINATE:	1379938.82			1379978.37			1379978.37			1379978.37			1379978.37		
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															
NITRATE							14.7 MG/L		-				2.05 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	58200 UG/L	7600	-	20000 UG/L	2750	-				25700 UG/L	3410	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045225			045854			045226			045853			045342		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	WMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1262			1262			1262			1262			1263		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-JUL-89			25-AUG-90			25-OCT-89			25-OCT-89			03-OCT-89		
NORTH COORDINATE:	479862.46			479862.46			479862.46			479862.46			479800.99		
EAST COORDINATE:	1380221.69			1380221.69			1380221.69			1380221.69			1380200.65		
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	1.23 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	72.3 UG/L		NV				72 UG/L	7	-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045343			045858			045859			045233			045234		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1263			1263			1263			1266			1266		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	03-OCT-89			25-AUG-90			25-AUG-90			16-JUL-89			25-AUG-90		
NORTH COORDINATE:	479800.99			479800.99			479800.99			479713.63			479713.63		
EAST COORDINATE:	1380200.65			1380200.65			1380200.65			1380213.49			1380213.49		
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															
NITRATE				2.91 MG/L		J							.1 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL	73 UG/L	10	-				29.2 UG/L	5.9	-	.7 UG/L		NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045867	045865	045866	045870	118296
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	IT	IT	IT	IT	DATACHEM
WELL OR BORING NUMBER:	1266	1266	1266	1267	1267
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-AUG-90	25-OCT-89	25-OCT-89	15-JUN-90	16-MAY-93
NORTH COORDINATE:	479713.63	479713.63	479713.63	479607.63	479607.63
EAST COORDINATE:	1380213.49	1380213.49	1380213.49	1379898.88	1379898.88
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													.06 MG/L		-
NITRATE							.12 MG/L		-	.63 MG/L		-	1.1 MG/L		-
NITRATE/NITRITE													1.1 MG/L		-
PHENOLS													.02 MG/L		U
PHOSPHORUS													5.5 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
INORGANICS															
ALUMINUM													122 MG/L		J
ANTIMONY													.225 MG/L		UJ
ARSENIC													.0028 MG/L		UJ
BARIUM													.87 MG/L		J
BERYLLIUM													.0059 MG/L		UJ
CADMIUM													.0236 MG/L		J
CALCIUM													1760 MG/L		J
CHROMIUM													.144 MG/L		J
COBALT													.121 MG/L		J
COPPER													.275 MG/L		J
CYANIDE													.01 MG/L		U
IRON													300 MG/L		J
LEAD													.0742 MG/L		J
MAGNESIUM													642 MG/L		J
MANGANESE													6.1 MG/L		J
MERCURY													.0002 MG/L		UJ
NICKEL													.333 MG/L		J
POTASSIUM													20.4 MG/L		J
SELENIUM													.01 MG/L		R
SILVER													.015 MG/L		UJ
SODIUM													13.7 MG/L		J

SAMPLE NUMBER:	045867			045865			045866			045870			118296		
LAB:	IT			IT			IT			IT			DATACHEM		
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															
THALLIUM													.001 MG/L		UJ
VANADIUM													.268 MG/L		J
ZINC													.854 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL	4.6 UG/L	.48	-	11 UG/L	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		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 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:	118297	118299	118300	118302	118303
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:	1267	1267	1267	1267	1267
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-MAY-93	16-MAY-93	16-MAY-93	16-MAY-93	16-MAY-93
NORTH COORDINATE:	479607.63	479607.63	479607.63	479607.63	479607.63
EAST COORDINATE:	1379898.88	1379898.88	1379898.88	1379898.88	1379898.88
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)
INORGANICS															
ALUMINUM	.124 MG/L		U												
ANTIMONY	.045 MG/L		U												
ARSENIC	.0012 MG/L		UJ												
BARIUM	.0767 MG/L		-												
BERYLLIUM	.001 MG/L		U												
CADMIUM	.003 MG/L		U												
CALCIUM	134 MG/L		-												
CHROMIUM	.004 MG/L		UJ												
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	.24 MG/L		U												
LEAD	.0022 MG/L		UJ												
MAGNESIUM	38.2 MG/L		-												
MANGANESE	.127 MG/L		-												
MERCURY	.0002 MG/L		U												
NICKEL	.0251 MG/L		U												
POTASSIUM	.432 MG/L		U												
SELENIUM	.0018 MG/L		R												
SILVER	.003 MG/L		UJ												
SODIUM	12.4 MG/L		-												
THALLIUM	.001 MG/L		U												
VANADIUM	.0076 MG/L		U												
ZINC	.0131 MG/L		U												
RADIONUCLIDES															
URANIUM-238				18.6 PCI/L	2.2	J	24.5 PCI/L	2.8	J						
URANIUM, TOTAL				56 UG/L	3.9	J	64.7 UG/L	4.5	-	58 UG/L		NV	21 UG/L		NV
URANIUM-234				36.1 PCI/L	4	J	44.2 PCI/L	4.9	J						
THORIUM-230				.2 PCI/L	.2	UJ	.3 PCI/L	.3	R						
RADIUM-226				1 PCI/L	.5	UJ	2.3 PCI/L	.6	-						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118297			118299			118300			118302			118303		
LAB:	DATACHEM			CORE			CORE			FERMCO			FERMCO		
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-235/236				1.2 PCI/L	.5	J	1.5 PCI/L	.4	J						
THORIUM-232				.2 PCI/L	.2	UJ	.3 PCI/L	.3	R						
RADIUM-228				3 PCI/L	1.2	UJ	3.2 PCI/L	1.8	U						
THORIUM-228				.2 PCI/L	.2	UJ	.4 PCI/L	.2	R						
TECHNETIUM-99							15 PCI/L	7	UJ						
GROSS ALPHA				39.2 PCI/L	5.5	NV	54.5 PCI/L	31.7	UNV						
GROSS BETA				25.8 PCI/L	3.6	NV	39 PCI/L	23.8	UNV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045240	045869	045344	045345	045346
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1267	1267	1268	1268	1268
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-OCT-89	25-OCT-89	05-OCT-89	05-OCT-89	15-JUN-90
NORTH COORDINATE:	479607.63	479607.63	479623.49	479623.49	479623.49
EAST COORDINATE:	1379898.88	1379898.88	1380008.32	1380008.32	1380008.32
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				.85 MG/L		-				.1 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	86 UG/L	9	-				68 UG/L	7	-				34.9 UG/L	6.2	J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045873			045229			045230			118181			118182		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	IT			IT			IT			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1268			1269			1269			1269			1269		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	15-JUN-90			05-OCT-89			05-OCT-89			11-MAY-93			11-MAY-93		
NORTH COORDINATE:	479623.49			479572.5			479572.5			479572.5			479572.5		
EAST COORDINATE:	1380008.32			1380249.77			1380249.77			1380249.77			1380249.77		
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															
NITRATE	.1 MG/L		U				.1 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL				13 UG/L	2	-				36 UG/L		NV	25 UG/L		NV

SAMPLE NUMBER:	118183	118184	118185	118186	045877
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	LOCKHEED	LOCKHEED	CORE	CORE	IT
WELL OR BORING NUMBER:	1269	1269	1269	1269	1269
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-MAY-93	11-MAY-93	11-MAY-93	11-MAY-93	25-AUG-90
NORTH COORDINATE:	479572.5	479572.5	479572.5	479572.5	479572.5
EAST COORDINATE:	1380249.77	1380249.77	1380249.77	1380249.77	1380249.77
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	.054 MG/L		-												
CHLORIDE	3.1 MG/L		-												
FLUORIDE	.76 MG/L		-												
NITRATE	4.9 MG/L		-										.68 MG/L		J
NITRATE/NITRITE	4.9 MG/L		-												
PHENOLS	.15 MG/L		U												
PHOSPHORUS	2.3 MG/L		-												
TOTAL ORGANIC CARBON	10 MG/L		U												
TOTAL ORGANIC HALIDES	.045 MG/L		U												
INORGANICS															
ALUMINUM	22.8 MG/L		-	.024 MG/L		UJ									
ANTIMONY	.027 MG/L		U	.027 MG/L		UJ									
ARSENIC	.0061 MG/L		-	.002 MG/L		U									
BARIUM	.204 MG/L		-	.0675 MG/L		-									
BERYLLIUM	.0018 MG/L		-	.001 MG/L		U									
CADMIUM	.002 MG/L		U	.002 MG/L		U									
CALCIUM	241 MG/L		-	115 MG/L		-									
CHROMIUM	.0326 MG/L		-	.004 MG/L		U									
COBALT	.0258 MG/L		-	.005 MG/L		U									
COPPER	.046 MG/L		-	.003 MG/L		U									
CYANIDE	.02 MG/L		U	.02 MG/L		U									
IRON	48.3 MG/L		-	.005 MG/L		U									
LEAD	.016 MG/L		-	.002 MG/L		UJ									
MAGNESIUM	91.3 MG/L		-	52.1 MG/L		-									
MANGANESE	2.79 MG/L		-	.0266 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
MOLYBDENUM	.011 MG/L		U	.011 MG/L		U									
NICKEL	.053 MG/L		-	.011 MG/L		U									
POTASSIUM	7.72 MG/L		-	1 MG/L		U									
SELENIUM	.0011 MG/L		J	.001 MG/L		UJ									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120343	120343F	045277	045445	118735
TASK:	50.03.23	50.03.23	3.7	3.7	50.03.23
LAB:	DATACHEM	DATACHEM	IT	IT	DATACHEM
WELL OR BORING NUMBER:	1299	1299	1299	1299	1299
DEPTH:	-	-	-	-	-
DATE COLLECTED:	15-JUN-93	15-JUN-93	18-OCT-89	18-OCT-89	26-JUL-93
NORTH COORDINATE:	481185.14	481185.14	481185.14	481185.14	481185.14
EAST COORDINATE:	1381203.59	1381203.59	1381203.59	1381203.59	1381203.59
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	450 MG/L		-												
AMMONIA	.05 MG/L		U												
CHLORIDE	4.4 MG/L		-												
FLUORIDE	1 MG/L		-												
NITRATE	1.3 MG/L		-												
NITRATE/NITRITE	1.3 MG/L		-							.19 MG/L		-			
PHENOLS	.002 MG/L		U												
PHOSPHORUS	.35 MG/L		-												
SULFATE	610 MG/L		-												
TOTAL KJELDAHL NITROGEN	.2 MG/L		-												
TOTAL ORGANIC CARBON	3 MG/L		-												
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC NITROGEN	.2 MG/L		-												
INORGANICS															
ALUMINUM													.0357 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.001 MG/L		U
BARIUM													.0183 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													196 MG/L		-
CHROMIUM													.007 MG/L		-
COBALT													.006 MG/L		U
COPPER													.0116 MG/L		-
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON													.0776 MG/L		-
LEAD													.01 MG/L		UJ
MAGNESIUM													106 MG/L		-
MANGANESE													.0493 MG/L		-
MERCURY													.0002 MG/L		U

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118504			118505			118506			118507			045276		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			3.7		
LAB:	FERMCO			FERMCO			FERMCO			CORE			FERMCO		
WELL OR BORING NUMBER:	1299			1299			1299			1299			1299		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-JUN-93			01-JUN-93			01-JUN-93			02-JUN-93			03-AUG-89		
NORTH COORDINATE:	481185.14			481185.14			481185.14			481185.14			481185.14		
EAST COORDINATE:	1381203.59			1381203.59			1381203.59			1381203.59			1381203.59		
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)
RADIONUCLIDES															
URANIUM-238										3.8 PCI/L	.7	-			
URANIUM, TOTAL				9.1 UG/L		NV	11 UG/L		NV	12.2 UG/L	.9	-	37.5 UG/L		NV
URANIUM-234										4.2 PCI/L	3	-			
THORIUM-230										.6 PCI/L	.4	R			
RADIUM-226										1 PCI/L	.2	UJ			
URANIUM-235/236										.2 PCI/L	.2	U			
THORIUM-232										.5 PCI/L	.4	R			
RADIUM-228										3 PCI/L	1.6	U			
THORIUM-228										.2 PCI/L	.3	R			
TECHNETIUM-99										15 PCI/L	7.3	U			
GROSS ALPHA	130 PCI/L		UNV												
GROSS BETA	370 PCI/L		UNV												

SAMPLE NUMBER:	045933			045446			118501			118502			118503		
LAB:	IT			IT			DATACHEM			DATACHEM			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															
URANIUM, TOTAL	43.3 UG/L	8	-										8.6 UG/L	.6	-
URANIUM-234													3.6 PCI/L	.6	J
THORIUM-230													.6 PCI/L	.3	J
RADIUM-226													1 PCI/L	.4	U
URANIUM-235/236													.2 PCI/L	.5	UJ
THORIUM-232													.3 PCI/L	.3	J
THORIUM, TOTAL													2.73607856 PCI/L	.3	NV
RADIUM-228													3 PCI/L	1.2	U
THORIUM-228													.4 PCI/L	.7	J
TECHNETIUM-99													15 PCI/L	6	UJ
GROSS ALPHA													11.6 PCI/L	7.9	UNV
GROSS BETA													14.4 PCI/L	8.4	UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045933	045446	118501	118502	118503
TASK:	3.7	3.7	50.03.23	50.03.23	50.03.23
LAB:	IT	IT	DATACHEM	DATACHEM	CORE
WELL OR BORING NUMBER:	1293	1299	1299	1299	1299
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-FEB-90	01-AUG-90	01-JUN-93	01-JUN-93	01-JUN-93
NORTH COORDINATE:	481407	481185.14	481185.14	481185.14	481185.14
EAST COORDINATE:	1380962.16	1381203.59	1381203.59	1381203.59	1381203.59
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	.12 MG/L		R	.1 MG/L		U									
INORGANICS															
ALUMINUM							.268 MG/L		U	.014 MG/L		U			
ANTIMONY							.045 MG/L		U	.045 MG/L		U			
ARSENIC							.001 MG/L		-	.0015 MG/L		-			
BARIUM							.0212 MG/L		U	.0217 MG/L		U			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							187 MG/L		-	203 MG/L		-			
CHROMIUM							.004 MG/L		U	.004 MG/L		U			
COBALT							.006 MG/L		U	.006 MG/L		U			
COPPER							.004 MG/L		U	.006 MG/L		-			
CYANIDE										.01 MG/L		U			
IRON							1.02 MG/L		-	.34 MG/L		U			
LEAD							.001 MG/L		UJ	.001 MG/L		UJ			
MAGNESIUM							99.8 MG/L		-	107 MG/L		-			
MANGANESE							.145 MG/L		-	.157 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.019 MG/L		U	.019 MG/L		U			
POTASSIUM							2.94 MG/L		-	3.5 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							25.3 MG/L		-	26.6 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
VANADIUM							.004 MG/L		U	.004 MG/L		U			
ZINC							.0183 MG/L		-	.006 MG/L		U			
RADIONUCLIDES															
URANIUM-238													2.5 PCI/L	.5	J

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118416			118417			118418			045286			045287		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	FERMCO			CORE			CORE			IT			IT		
WELL OR BORING NUMBER:	1287			1287			1287			1293			1293		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-MAY-93			25-MAY-93			25-MAY-93			05-OCT-89			05-OCT-89		
NORTH COORDINATE:	481634.92			481634.92			481634.92			481407			481407		
EAST COORDINATE:	1380992.27			1380992.27			1380992.27			1380962.16			1380962.16		
QA TYPE:	DUPLICATE			DUPLICATE			DUPLICATE			NORMAL			NORMAL		
QC OF:				118410			118411								
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
RADIONUCLIDES															
URANIUM-238				74.5 PCI/L	10.9	J	73.8 PCI/L	13	J						
URANIUM, TOTAL	230 UG/L		NV	197 UG/L	13.8	-	200 UG/L	14	-	29 UG/L	5	-			
URANIUM-234				69.5 PCI/L	10.7	J	77.8 PCI/L	13.6	J						
THORIUM-230				.5 PCI/L	.3	-	.5 PCI/L	.3	J						
RADIUM-226				1.3 PCI/L	.3	J	1 PCI/L	.2	U						
URANIUM-235/236				8.7 PCI/L	1.9	J	3.2 PCI/L	1.3	J						
THORIUM-232				.4 PCI/L	.3	-	.2 PCI/L	.3	UJ						
THORIUM, TOTAL				3.6481224 PCI/L	.3	NV	1.8240492 PCI/L	.3	NV						
RADIUM-228				3 PCI/L	1.2	U	3 PCI/L	1.4	U						
THORIUM-228				.8 PCI/L	.3	-	.2 PCI/L	.4	UJ						
TECHNETIUM-99				15 PCI/L	7.9	U	15.9 PCI/L	9.7	UJ						
GROSS ALPHA							117 PCI/L	12.6	NV						
GROSS BETA							70.7 PCI/L	7.7	NV						

SAMPLE NUMBER:	118412			118412			118413			118414			118415		
LAB:	DATACHEM			DATACHEM			DATACHEM			FERMCO			FERMCO		
SUFFIX/FILTERFLAG:	DL-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															
VANADIUM				.0287 MG/L		U	.0075 MG/L		U						
ZINC				.0811 MG/L		-	.006 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL													220 UG/L		NV
GROSS ALPHA										220 PCI/L		UNV			
GROSS BETA										330 PCI/L		UNV			
VOLATILES															
1,1,1-TRICHLOROETHANE	310 UG/L		-												
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE	440 UG/L		-												
1,1-DICHLOROETHENE				79 UG/L		-									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)	960 UG/L		-												
1,2-DICHLOROPROPANE				10 UG/L		U									
2-BUTANONE	50 UG/L		U	10 UG/L		U									
2-HEXANONE				10 UG/L		U									
4-METHYL-2-PENTANONE				10 UG/L		U									
ACETONE				10 UG/L		U									
BENZENE				.6 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		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	280 UG/L		-												
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE	960 UG/L		-												
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:	118412			118412			118413			118414			118415		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	DATACHEM			DATACHEM			DATACHEM			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1287			1287			1287			1287			1287		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93		
NORTH COORDINATE:	481634.92			481634.92			481634.92			481634.92			481634.92		
EAST COORDINATE:	1380992.27			1380992.27			1380992.27			1380992.27			1380992.27		
QA TYPE:	DUPLICATE			DUPLICATE			DUPLICATE			DUPLICATE			DUPLICATE		
QC OF:	118404			118404			118406								
SUFFIX/FILTERFLAG:	DL-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				.18 MG/L		-									
NITRATE/NITRITE				.36 MG/L		-									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				1 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				6 MG/L		-									
TOTAL ORGANIC HALIDES				1.2 MG/L		-									
INORGANICS															
ALUMINUM				12.4 MG/L		-	.014 MG/L		U						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0048 MG/L		J	.001 MG/L		UJ						
BARIUM				.108 MG/L		-	.0352 MG/L		-						
BERYLLIUM				.001 MG/L		UJ	.001 MG/L		UJ						
CADMIUM				.0056 MG/L		U	.003 MG/L		U						
CALCIUM				340 MG/L		-	303 MG/L		-						
CHROMIUM				.0201 MG/L		U	.004 MG/L		U						
COBALT				.0135 MG/L		U	.006 MG/L		U						
COPPER				.0133 MG/L		U	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				20.5 MG/L		-	.12 MG/L		-						
LEAD				.0094 MG/L		R	.001 MG/L		UR						
MAGNESIUM				70.8 MG/L		-	56.5 MG/L		-						
MANGANESE				2.16 MG/L		-	.904 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0315 MG/L		U	.019 MG/L		U						
POTASSIUM				4.07 MG/L		-	.577 MG/L		-						
SELENIUM				.002 MG/L		UJ	.002 MG/L		UJ						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				31.2 MG/L		-	32 MG/L		-						
THALLIUM				.001 MG/L		UJ	.001 MG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118404			118404			118406			118410			118411		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	DL-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															
STYRENE				10 UG/L		U									
TETRACHLOROETHENE	310 UG/L		-												
TOLUENE				10 UG/L		U									
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U									
TRICHLOROETHENE	980 UG/L		-												
VINYL ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

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GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	118404			118404			118406			118410			118411		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
SUFFIX/FILTERFLAG:	DL-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				.0594 MG/L		-	.004 MG/L		U						
ZINC				.2 MG/L		-	.0155 MG/L		-						
RADIONUCLIDES															
URANIUM-238										81.1 PCI/L	9.2	J	76.2 PCI/L	23.3	J
URANIUM, TOTAL										202 UG/L	14.1	-	205 UG/L	14.3	-
URANIUM-234										78.8 PCI/L	8.9	J	78.2 PCI/L	23.9	J
THORIUM-230										.8 PCI/L	.3	J	.2 PCI/L	.2	UJ
RADIUM-226										2 PCI/L	.6	-	1.8 PCI/L	.5	-
URANIUM-235/236										7.9 PCI/L	1.5	J	3.6 PCI/L	1.8	J
THORIUM-232										.5 PCI/L	.3	J	.2 PCI/L	.3	UJ
THORIUM, TOTAL										4.56013728 PCI/L	.3	NV			
RADIUM-228										3 PCI/L	1	U	3 PCI/L	1.5	U
THORIUM-228										.8 PCI/L	.4	J	.2 PCI/L	.8	UJ
TECHNETIUM-99										90.3 PCI/L	13.3	J	15 PCI/L	7.2	U
GROSS ALPHA										134 PCI/L	16.5	NV	63.6 PCI/L	6.9	NV
GROSS BETA										139 PCI/L	12.5	NV	71.6 PCI/L	4.8	NV
VOLATILES															
1,1,1-TRICHLOROETHANE	310 UG/L		-												
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U									
1,1,2-TRICHLOROETHANE				10 UG/L		U									
1,1-DICHLOROETHANE	420 UG/L		-												
1,1-DICHLOROETHENE				83 UG/L		-									
1,2-DICHLOROETHANE				10 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)	920 UG/L		-												
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									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118404			118404			118406			118410			118411		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	DATACHEM			DATACHEM			DATACHEM			CORE			CORE		
WELL OR BORING NUMBER:	1287			1287			1287			1287			1287		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93		
NORTH COORDINATE:	481634.92			481634.92			481634.92			481634.92			481634.92		
EAST COORDINATE:	1380992.27			1380992.27			1380992.27			1380992.27			1380992.27		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:							118413						118418		
SUFFIX/FILTERFLAG:	DL-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				.17 MG/L		-									
NITRATE/NITRITE				.89 MG/L		-									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				1.4 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				6 MG/L		-									
TOTAL ORGANIC HALIDES				1.3 MG/L		-									
INORGANICS															
ALUMINUM				24.9 MG/L		-	.0653 MG/L		-						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0078 MG/L		J	.001 MG/L		UJ						
BARIUM				.206 MG/L		-	.0358 MG/L		-						
BERYLLIUM				.001 MG/L		UJ	.001 MG/L		UJ						
CADMIUM				.003 MG/L		U	.0048 MG/L		U						
CALCIUM				434 MG/L		-	285 MG/L		-						
CHROMIUM				.0385 MG/L		U	.0064 MG/L		U						
COBALT				.0306 MG/L		U	.0064 MG/L		-						
COPPER				.045 MG/L		-	.004 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				51.5 MG/L		-	.16 MG/L		-						
LEAD				.0228 MG/L		R	.001 MG/L		UR						
MAGNESIUM				106 MG/L		-	56.5 MG/L		-						
MANGANESE				2.89 MG/L		-	.952 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.0651 MG/L		U	.0221 MG/L		U						
POTASSIUM				5.49 MG/L		-	.966 MG/L		-						
SELENIUM				.002 MG/L		UJ	.002 MG/L		UJ						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				32.5 MG/L		-	31.4 MG/L		-						
THALLIUM				.001 MG/L		UJ	.001 MG/L		UJ						

SAMPLE NUMBER:	045928			045929			045930			045930			045930		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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															
PYRENE										10 UG/L		UJ	10 UG/L		UR
VOLATILES															
1,1,1-TRICHLOROETHANE										210 UG/L		R			
1,1,2,2-TETRACHLOROETHANE										5 UG/L		U			
1,1,2-TRICHLOROETHANE										5 UG/L		U			
1,1-DICHLOROETHANE										270 UG/L		R			
1,1-DICHLOROETHENE										46 UG/L		-			
1,2-DICHLOROETHANE										5 UG/L		U			
1,2-DICHLOROETHENE (TOTAL)										400 UG/L		R			
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		U			
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		U			
DIBROMOCHLOROMETHANE										5 UG/L		U			
ETHYLBENZENE										5 UG/L		UJ			
METHYLENE CHLORIDE										5 UG/L		U			
STYRENE										5 UG/L		UJ			
TETRACHLOROETHENE										32 UG/L		-			
TOLUENE										5 UG/L		UJ			
TRANS-1,3-DICHLOROPROPENE										5 UG/L		U			
TRICHLOROETHENE										320 UG/L		R			
VINYL ACETATE										10 UG/L		U			
VINYL CHLORIDE										10 UG/L		U			
XYLENES, TOTAL										5 UG/L		UJ			

SAMPLE NUMBER:	045928			045929			045930			045930			045930		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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															
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		U	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
PHENOL										1 UG/L		J	10 UG/L		UR

SAMPLE NUMBER:	045928			045929			045930			045930			045930		
LAB:	IT			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-UNF			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															
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			
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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045928	045929	045930	045930	045930
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1287	1287	1287	1287	1287
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-NOV-89	06-FEB-90	18-JUN-90	18-JUN-90	18-JUN-90
NORTH COORDINATE:	481634.92	481634.92	481634.92	481634.92	481634.92
EAST COORDINATE:	1380992.27	1380992.27	1380992.27	1380992.27	1380992.27
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	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															
NITRATE	.1 MG/L		U	.1 MG/L		UR									
INORGANICS															
ALUMINUM							.0885 MG/L		-						
ANTIMONY							.0312 MG/L		-						
ARSENIC							.0022 MG/L		J						
BARIUM							.0473 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.0065 MG/L		-						
CALCIUM							265 MG/L		-						
CHROMIUM							.0482 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.0159 MG/L		-						
CYANIDE										.002 MG/L		U			
IRON							.48 MG/L		-						
LEAD							.002 MG/L		U						
MAGNESIUM							63.8 MG/L		-						
MANGANESE							1.24 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.02 MG/L		U						
POTASSIUM							1.38 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0288 MG/L		-						
SODIUM							41.2 MG/L		-						
THALLIUM							.0027 MG/L		J						
VANADIUM							.0198 MG/L		-						
ZINC							.0074 MG/L		U						
PESTICIDES															
4,4'-DDD										.1 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118425			118426			118427			045280			045281		
TASK:	50.03.23			50.03.23			50.03.23			3.7			3.7		
LAB:	FERMCO			CORE			CORE			WMCO			IT		
WELL OR BORING NUMBER:	1283			1283			1283			1287			1287		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-MAY-93			25-MAY-93			25-MAY-93			02-AUG-89			05-NOV-89		
NORTH COORDINATE:	481703.7			481703.7			481703.7			481634.92			481634.92		
EAST COORDINATE:	1381087.91			1381087.91			1381087.91			1380992.27			1380992.27		
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)
RADIONUCLIDES															
URANIUM-238				36.6 PCI/L	7.1	J	35.3 PCI/L	6.3	J						
URANIUM, TOTAL	93 UG/L		NV	61.2 UG/L	4.3	-	88 UG/L	6.2	-	84.8 UG/L		NV	153 UG/L	22	J
URANIUM-234				34.4 PCI/L	6.7	J	37 PCI/L	6.6	J						
THORIUM-230				.3 PCI/L	.2	J	.2 PCI/L	.2	R						
RADIUM-226				1.2 PCI/L	.4	-	1 PCI/L	.3	U						
URANIUM-235/236				3.1 PCI/L	1.1	J	1 PCI/L	.7	J						
THORIUM-232				.2 PCI/L	.3	UJ	.3 PCI/L	.2	R						
RADIUM-228				3.5 PCI/L	1.1	-	3 PCI/L	1	U						
THORIUM-228				.2 PCI/L	.6	UJ	.2 PCI/L	2.6	R						
TECHNETIUM-99				17.2 PCI/L	6.1	J	23.5 PCI/L	7.2	-						
GROSS ALPHA				51.1 PCI/L	10.7	NV	79.7 PCI/L	10.5	NV						
GROSS BETA				38.2 PCI/L	9.5	NV	53.4 PCI/L	8	NV						

SAMPLE NUMBER:	045926			118420			118420			118421			118424		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	R-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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							70 UG/L		-						
VINYL ACETATE							10 UG/L		U						
VINYL CHLORIDE							10 UG/L		U						
XYLENES, TOTAL							10 UG/L		U						

SAMPLE NUMBER:	045926			118420			118420			118421			118424		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	R-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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		UR												
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		UR												
FLUORANTHENE	10 UG/L		UNV												
FLUORENE	10 UG/L		UNV												
HEXACHLOROBENZENE	10 UG/L		UNV												
HEXACHLOROBUTADIENE	10 UG/L		UR												
HEXACHLOROCYCLOPENTADIENE	10 UG/L		UR												
HEXACHLOROETHANE	10 UG/L		UR												
INDENO(1,2,3-CD)PYRENE	10 UG/L		UNV												
ISOPHORONE	10 UG/L		UR												
N-NITROSO-DI-N-PROPYLAMINE	10 UG/L		UR												
N-NITROSODIPHENYLAMINE	10 UG/L		UNV												
NAPHTHALENE	10 UG/L		UR												
NITROBENZENE	10 UG/L		UR												
P-CHLOROANILINE	10 UG/L		UR												
PENTACHLOROPHENOL	50 UG/L		UNV												
PHENANTHRENE	10 UG/L		UNV												
PHENOL	10 UG/L		UR				.02 MG/L		U						
PYRENE	10 UG/L		UNV												
VOLATILES															
1,1,1-TRICHLOROETHANE							200 UG/L		-						
1,1,2,2-TETRACHLOROETHANE							10 UG/L		U						
1,1,2-TRICHLOROETHANE							10 UG/L		U						
1,1-DICHLOROETHANE				800 UG/L		-									
1,1-DICHLOROETHENE							180 UG/L		-						
1,2-DICHLOROETHANE							3 UG/L		J						
1,2-DICHLOROETHENE (TOTAL)				1000 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						

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SAMPLE NUMBER:	045926			118420			118420			118421			118424		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			FERMCO		
SUFFIX/FILTERFLAG:	R-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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							.0082 MG/L		U	.0051 MG/L		U			
ZINC							.006 MG/L		U	.006 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL													130 UG/L		NV
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE	10 UG/L		UR												
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		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		UNV												
2,4-DINITROTOLUENE	10 UG/L		UNV												
2,6-DINITROTOLUENE	10 UG/L		UR												
2-CHLORONAPHTHALENE	10 UG/L		UR												
2-CHLOROPHENOL	10 UG/L		UR												
2-METHYLNAPHTHALENE	10 UG/L		UR												
2-METHYLPHENOL	10 UG/L		UR												
2-NITROANILINE	50 UG/L		UR												
2-NITROPHENOL	10 UG/L		UR												
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		UR												
4-CHLOROPHENYLPHENYL ETHER	10 UG/L		UNV												
4-METHYLPHENOL	10 UG/L		UR												
4-NITROANILINE	50 UG/L		UNV												
4-NITROPHENOL	50 UG/L		UNV												
ACENAPHTHENE	10 UG/L		UNV												
ACENAPHTHYLENE	10 UG/L		UR												
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		UR												
BENZYL ALCOHOL	10 UG/L		UR												
BIS(2-CHLOROETHOXY)METHANE	10 UG/L		UR												
BIS(2-CHLOROETHYL)ETHER	10 UG/L		UR												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045926			118420			118420			118421			118424		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			DATACHEM			DATACHEM			DATACHEM			FERMCO		
WELL OR BORING NUMBER:	1283			1283			1283			1283			1283		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	14-JUN-90			25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93		
NORTH COORDINATE:	481703.7			481703.7			481703.7			481703.7			481703.7		
EAST COORDINATE:	1381087.91			1381087.91			1381087.91			1381087.91			1381087.91		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	R-UNF			DL-UNF			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	VAL 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							.16 MG/L		-						
NITRATE/NITRITE							.05 MG/L		U						
PHENOLS							.02 MG/L		U						
PHOSPHORUS							.23 MG/L		-						
SULFIDE							1 MG/L		U						
TOTAL ORGANIC CARBON							5 MG/L		-						
TOTAL ORGANIC HALIDES							.66 MG/L		-						
INORGANICS															
ALUMINUM							1.16 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							.0393 MG/L		-	.0317 MG/L		-			
BERYLLIUM							.001 MG/L		UJ	.001 MG/L		UJ			
CADMIUM							.003 MG/L		U	.003 MG/L		U			
CALCIUM							323 MG/L		-	342 MG/L		-			
CHROMIUM							.004 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			
IRON							2.21 MG/L		-	.015 MG/L		U			
LEAD							.001 MG/L		R	.001 MG/L		UR			
MAGNESIUM							81.4 MG/L		-	77 MG/L		-			
MANGANESE							.894 MG/L		-	.461 MG/L		-			
MERCURY							.0002 MG/L		U	.0002 MG/L		U			
NICKEL							.0331 MG/L		U	.019 MG/L		U			
POTASSIUM							2.6 MG/L		-	1.8 MG/L		-			
SELENIUM							.002 MG/L		UJ	.002 MG/L		UJ			
SILVER							.003 MG/L		UJ	.003 MG/L		UJ			
SODIUM							21.2 MG/L		-	19.8 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		UJ			

SAMPLE NUMBER:	045924			045925			045926			045926			045926		
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															
PHENOL													10 UG/L		U
PYRENE													10 UG/L		UJ
VOLATILES															
1,1,1-TRICHLOROETHANE													230 UG/L		R
1,1,2,2-TETRACHLOROETHANE													5 UG/L		UJ
1,1,2-TRICHLOROETHANE													5 UG/L		U
1,1-DICHLOROETHANE													680 UG/L		R
1,1-DICHLOROETHENE													140 UG/L		-
1,2-DICHLOROETHANE													3 UG/L		J
1,2-DICHLOROETHENE (TOTAL)													590 UG/L		R
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		U
CARBON DISULFIDE													5 UG/L		UR
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													72 UG/L		-
VINYL ACETATE													10 UG/L		U
VINYL CHLORIDE													10 UG/L		U
XYLENES, TOTAL													5 UG/L		U

SAMPLE NUMBER:	045924			045925			045926			045926			045926		
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															
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		UJ
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		UJ
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		U
BIS(2-CHLOROETHOXY)METHANE													10 UG/L		UJ
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
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		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		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		UJ
NITROBENZENE													10 UG/L		U
P-CHLOROANILINE													10 UG/L		U
PENTACHLOROPHENOL													50 UG/L		U
PHENANTHRENE													10 UG/L		U

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045924			045925			045926			045926			045926		
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										.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
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													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		UJ
2-METHYLPHENOL													10 UG/L		U
2-NITROANILINE													50 UG/L		U
2-NITROPHENOL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045924			045925			045926			045926			045926		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1283			1283			1283			1283			1283		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-NOV-89			06-FEB-90			14-JUN-90			14-JUN-90			14-JUN-90		
NORTH COORDINATE:	481703.7			481703.7			481703.7			481703.7			481703.7		
EAST COORDINATE:	1381087.91			1381087.91			1381087.91			1381087.91			1381087.91		
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		UR									
INORGANICS															
ALUMINUM							.102 MG/L		-						
ANTIMONY							.03 MG/L		U						
ARSENIC							.002 MG/L		U						
BARIUM							.059 MG/L		-						
BERYLLIUM							.002 MG/L		U						
CADMIUM							.0124 MG/L		J						
CALCIUM							341 MG/L		-						
CHROMIUM							.0588 MG/L		-						
COBALT							.01 MG/L		U						
COPPER							.021 MG/L		-						
CYANIDE													.002 MG/L		U
IRON							.0363 MG/L		U						
LEAD							.002 MG/L		UJ						
MAGNESIUM							84.4 MG/L		-						
MANGANESE							1.13 MG/L		-						
MERCURY							.0002 MG/L		UR						
MOLYBDENUM							.01 MG/L		U						
NICKEL							.0318 MG/L		-						
POTASSIUM							3.66 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.0326 MG/L		-						
SODIUM							19 MG/L		-						
THALLIUM							.002 MG/L		U						
VANADIUM							.0282 MG/L		-						
ZINC							.0195 MG/L		U						
PESTICIDES															

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120364			120364F			120366			120366F			045283		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			3.7		
LAB:	CORE			CORE			FERMCO			FERMCO			IT		
WELL OR BORING NUMBER:	1281			1281			1281			1281			1283		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	30-JUN-93			30-JUN-93			30-JUN-93			30-JUN-93			05-NOV-89		
NORTH COORDINATE:	481844			481844			481844			481844			481703.7		
EAST COORDINATE:	1381864.34			1381864.34			1381864.34			1381864.34			1381087.91		
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	262 PCI/L	39.7	-	387 PCI/L	147	J									
URANIUM, TOTAL	790 UG/L	55.3	-	810 UG/L	56.7	-	850 UG/L		NV	750 UG/L		NV	362 UG/L	48	-
URANIUM-234	225 PCI/L	34.9	J	323 PCI/L	124	J									
THORIUM-230	.4 PCI/L	.3	J	.5 PCI/L	.3	J									
RADIUM-226	1 PCI/L	.3	UJ	1 PCI/L	.2	U									
URANIUM-235/236	14.7 PCI/L	5.2	-	9.9 PCI/L	10.3	J									
THORIUM-232	.2 PCI/L	1	U	.2 PCI/L	.3	UJ									
THORIUM, TOTAL	1.82406864 PCI/L		NV												
RADIUM-228	3 PCI/L	1.1	U	3.1 PCI/L	1.5	-									
THORIUM-228	.4 PCI/L	1.4	-	.2 PCI/L	.4	UJ									
TECHNETIUM-99	40.5 PCI/L	9.1	-	15 PCI/L	6.9	UJ									
GROSS ALPHA	359 PCI/L	18.9	NV	320 PCI/L	16	NV									
GROSS BETA	194 PCI/L	8.6	NV	157 PCI/L	7.8	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045920			045921			045265			120363			120363		
LAB:	IT			IT			WMCO			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															
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

SAMPLE NUMBER:	045920			045921			045265			120363			120363		
LAB:	IT			IT			WMCO			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															
MERCURY										.0001 MG/L		U	.0001 MG/L		U
MOLYBDENUM										.017 MG/L		U	.017 MG/L		U
NICKEL										.018 MG/L		UR	.0296 MG/L		R
POTASSIUM										.54 MG/L		-	6.51 MG/L		-
SELENIUM										.0062 MG/L		J	.005 MG/L		UJ
SILICON										7.05 MG/L		-	19.5 MG/L		-
SILVER										.002 MG/L		U	.002 MG/L		UJ
SODIUM										9.13 MG/L		-	9.21 MG/L		-
THALLIUM										.001 MG/L		UR	.001 MG/L		UR
VANADIUM										.024 MG/L		UR	.0296 MG/L		R
ZINC										.0236 MG/L		R	.342 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL							96 PCI/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		UJ
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
CARBON DISULFIDE													10 UG/L		UJ
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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045920			045921			045265			120363			120363		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	IT			IT			WMCO			TCT			TCT		
WELL OR BORING NUMBER:	1281			1281			1281			1281			1281		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-NOV-89			07-FEB-90			16-JUL-89			30-JUN-93			30-JUN-93		
NORTH COORDINATE:	481844			481844			481844			481844			481844		
EAST COORDINATE:	1381864.34			1381864.34			1381864.34			1381864.34			1381864.34		
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													296 MG/L		-
AMMONIA													.03 MG/L		U
CHLORIDE													14.5 MG/L		-
FLUORIDE													.19 MG/L		-
NITRATE	.1 MG/L		U	.333 MG/L		J									
NITRITE, AS NITROGEN													.2 MG/L		U
PHENOLS													.005 MG/L		U
PHOSPHATE													.206 MG/L		-
SULFATE													151 MG/L		-
SULFIDE													1 MG/L		UJ
TOTAL KJELDAHL NITROGEN													.111 MG/L		U
TOTAL ORGANIC CARBON													8.7 MG/L		-
TOTAL ORGANIC HALIDES													.0123 MG/L		-
TOTAL ORGANIC NITROGEN													.111 MG/L		U
INORGANICS															
ALUMINUM										.19 MG/L		U	13.2 MG/L		-
ANTIMONY										.014 MG/L		UJ	.014 MG/L		UJ
ARSENIC										.001 MG/L		U	.003 MG/L		U
BARIUM										.132 MG/L		-	.207 MG/L		-
BERYLLIUM										.005 MG/L		UR	.005 MG/L		UR
CADMIUM										.0052 MG/L		J	.0155 MG/L		J
CALCIUM										181 MG/L		-	214 MG/L		-
CHROMIUM										.006 MG/L		U	.0175 MG/L		J
COBALT										.017 MG/L		UR	.017 MG/L		UR
COPPER										.009 MG/L		UR	.021 MG/L		R
CYANIDE										.005 MG/L		U	.005 MG/L		U
IRON										.022 MG/L		U	14 MG/L		
LEAD										.001 MG/L		UJ	.0063 MG/L		
MAGNESIUM										46.5 MG/L		-	57.3 MG/L		
MANGANESE										.111 MG/L		-	.77 MG/L		

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045258			045916			045917			045257			045266		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1280			1280			1280			1280			1281		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-NOV-89			05-NOV-89			07-FEB-90			16-JUL-89			05-NOV-89		
NORTH COORDINATE:	481878.01			481878.01			481878.01			481878.01			481844		
EAST COORDINATE:	1381663			1381663			1381663			1381663			1381864.34		
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		UR						
RADIONUCLIDES															
URANIUM, TOTAL	35 UG/L	5	-							71.8 UG/L		NV	137 UG/L	23	-

RADIONUCLIDES

URANIUM-238
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

													20.4 PCI/L	2.5	R	20.3 PCI/L	2.2	J

SAMPLE NUMBER:	118443			120490			120490F			120491			120491F		
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)
RADIONUCLIDES															
URANIUM, TOTAL	80 UG/L		NV							51.9 UG/L	3.6	-	47.9 UG/L	3.4	-
URANIUM-234										19.5 PCI/L	2.3	R	19 PCI/L	1.9	J
THORIUM-230										.3 PCI/L	.2	J	.6 PCI/L	.2	J
RADIUM-226										1 PCI/L	.4	U	1.1 PCI/L	.6	U
URANIUM-235/236										.7 PCI/L	.2	R	.8 PCI/L	.2	J
THORIUM-232										.2 PCI/L	.2	UJ	.3 PCI/L	.5	R
THORIUM, TOTAL										.91202708 PCI/L	.2	NV	2.73606636 PCI/L	.5	NV
RADIUM-228										3 PCI/L	1	U	3 PCI/L	1	U
THORIUM-228										.2 PCI/L	.2	UJ	.3 PCI/L	.5	J
GROSS ALPHA										25.9 PCI/L	4.2	NV			
GROSS BETA										21.3 PCI/L	3.5	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118443	120490	120490F	120491	120491F
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:	1279	1279	1279	1279	1279
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	29-JUL-93	29-JUL-93	29-JUL-93	29-JUL-93
NORTH COORDINATE:	481851.1	481851.1	481851.1	481851.1	481851.1
EAST COORDINATE:	1381358.44	1381358.44	1381358.44	1381358.44	1381358.44
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				380 MG/L		-									
CHLORIDE				5.8 MG/L		J									
FLUORIDE				.7 MG/L		-									
NITRATE/NITRITE				.05 MG/L		UJ									
SULFATE				65 MG/L		-									
INORGANICS															
ALUMINUM							1.27 MG/L		-						
ANTIMONY							.045 MG/L		U						
ARSENIC							.0027 MG/L		-						
BARIUM							.157 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.003 MG/L		U						
CALCIUM							268 MG/L		-						
CHROMIUM							.009 MG/L		U						
COBALT							.0071 MG/L		-						
COPPER							.0191 MG/L		-						
IRON							2.76 MG/L		-						
LEAD							.0114 MG/L		-						
MAGNESIUM							82.4 MG/L		-						
MANGANESE							.999 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.019 MG/L		U						
POTASSIUM							2.74 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.003 MG/L		U						
SODIUM							17.5 MG/L		-						
THALLIUM							.0018 MG/L		U						
VANADIUM							.004 MG/L		U						
ZINC							.025 MG/L		-						

SAMPLE NUMBER:	118439			118441			118442			118733			118734		
LAB:	CORE			FERMCO			FERMCO			DATACHEM			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)
RADIONUCLIDES															
THORIUM-232	.4 PCI/L	.3	J										.2 PCI/L	.2	UJ
THORIUM, TOTAL	3.64802976 PCI/L		NV										.91203204 PCI/L	.2	NV
RADIUM-228	3 PCI/L	1	U										3 PCI/L	1	U
THORIUM-228	.2 PCI/L	.7	UJ										.2 PCI/L	.2	UJ
TECHNETIUM-99	31.9 PCI/L	10.2	J										15 PCI/L	7.7	U
GROSS ALPHA	108 PCI/L	13.5	NV	220 PCI/L		UNV									
GROSS BETA	84.1 PCI/L	10.8	NV	330 PCI/L		UNV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118439	118441	118442	118733	118734
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	CORE	FERMCO	FERMCO	DATACHEM	CORE
WELL OR BORING NUMBER:	1279	1279	1279	1279	1279
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-MAY-93	25-MAY-93	25-MAY-93	26-JUL-93	26-JUL-93
NORTH COORDINATE:	481851.1	481851.1	481851.1	481851.1	481851.1
EAST COORDINATE:	1381358.44	1381358.44	1381358.44	1381358.44	1381358.44
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)
INORGANICS															
ALUMINUM										2.02 MG/L		-			
ANTIMONY										.045 MG/L		U			
ARSENIC										.001 MG/L		U			
BARIUM										.101 MG/L		-			
BERYLLIUM										.001 MG/L		U			
CADMIUM										.003 MG/L		U			
CALCIUM										115 MG/L		-			
CHROMIUM										.0174 MG/L		-			
COBALT										.0067 MG/L		-			
COPPER										.0145 MG/L		-			
IRON										4.56 MG/L		-			
LEAD										.002 MG/L		J			
MAGNESIUM										55.4 MG/L		-			
MANGANESE										.45 MG/L		-			
MERCURY										.0002 MG/L		U			
NICKEL										.019 MG/L		U			
POTASSIUM										3.5 MG/L		-			
SELENIUM										.002 MG/L		UJ			
SILVER										.003 MG/L		U			
SODIUM										16.1 MG/L		-			
THALLIUM										.001 MG/L		UJ			
VANADIUM										.0054 MG/L		-			
ZINC										.0291 MG/L		J			
RADIONUCLIDES															
URANIUM-238	41.8 PCI/L	7.3	R										23.2 PCI/L	2.4	J
URANIUM, TOTAL	102 UG/L	7.1	-				76 UG/L		NV				59.5 UG/L	4.2	-
URANIUM-234	29.8 PCI/L	5.4	R										21.2 PCI/L	2.1	J
THORIUM-230	.6 PCI/L	.3	J										.4 PCI/L	.2	J
RADIUM-226	1.4 PCI/L	.5	J										1 PCI/L	.4	U
URANIUM-235/236	6.3 PCI/L	1.7	R										1 PCI/L	.2	J

SAMPLE NUMBER:	118508			045285			045912			045913			118436		
LAB:	CORE			IT			IT			IT			DATACHEM		
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		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

SAMPLE NUMBER:	118508			045285			045912			045913			118436		
LAB:	CORE			IT			IT			IT			DATACHEM		
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															
THALLIUM													.001 MG/L		UJ
VANADIUM													.058 MG/L		-
ZINC													.132 MG/L		-
RADIONUCLIDES															
URANIUM-238	33.1 PCI/L	6.6	J												
URANIUM, TOTAL	91.7 UG/L	6.4	-	260 UG/L	36	-									
URANIUM-234	30.2 PCI/L	6	J												
THORIUM-230	.2 PCI/L	.3	R												
RADIUM-226	1 PCI/L	.3	U												
URANIUM-235/236	1.7 PCI/L	.8	J												
THORIUM-232	.3 PCI/L	.2	R												
RADIUM-228	3 PCI/L	.8	U												
THORIUM-228	.2 PCI/L	2.6	R												
TECHNETIUM-99	16.1 PCI/L	7.2	-												
GROSS ALPHA	59.4 PCI/L	6.3	NV												
GROSS BETA	24.7 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
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

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118508			045285			045912			045913			118436		
TASK:	50.03.23			3.7			3.7			3.7			50.03.23		
LAB:	CORE			IT			IT			IT			DATACHEM		
WELL OR BORING NUMBER:	1279			1279			1279			1279			1279		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-JUN-93			05-NOV-89			05-NOV-89			06-FEB-90			25-MAY-93		
NORTH COORDINATE:	481851.1			481851.1			481851.1			481851.1			481851.1		
EAST COORDINATE:	1381358.44			1381358.44			1381358.44			1381358.44			1381358.44		
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													.05 MG/L		U
NITRATE							.1 MG/L		U	.16 MG/L		R	.05 MG/L		U
NITRATE/NITRITE													.05 MG/L		U
PHENOLS													.02 MG/L		U
PHOSPHORUS													.97 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													3 MG/L		-
TOTAL ORGANIC HALIDES													.02 MG/L		-
INORGANICS															
ALUMINUM													30.4 MG/L		-
ANTIMONY													.045 MG/L		U
ARSENIC													.005 MG/L		J
BARIUM													.247 MG/L		-
BERYLLIUM													.001 MG/L		UJ
CADMIUM													.003 MG/L		U
CALCIUM													239 MG/L		-
CHROMIUM													.038 MG/L		U
COBALT													.0282 MG/L		U
COPPER													.0495 MG/L		-
CYANIDE													.01 MG/L		U
IRON													51.1 MG/L		-
LEAD													.0243 MG/L		R
MAGNESIUM													86.5 MG/L		-
MANGANESE													1.29 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.0614 MG/L		U
POTASSIUM													9.76 MG/L		-
SELENIUM													.02 MG/L		UJ
SILVER													.003 MG/L		UJ
SODIUM													15.3 MG/L		-

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118429			118430			118433			118434			118435		
LAB:	DATACHEM			CORE			FERMCO			FERMCO			CORE		
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)
RADIONUCLIDES															
URANIUM-235/236				.4 PCI/L	.1	J							.3 PCI/L	.5	J
THORIUM-232				.2 PCI/L	.5	UJ							.2 PCI/L	.2	U
THORIUM, TOTAL				1.82412012 PCI/L	.5	NV									
RADIUM-228				3 PCI/L	1.2	U							3 PCI/L	1.1	U
THORIUM-228				.7 PCI/L	.5	J							.2 PCI/L	2.6	U
TECHNETIUM-99				15 PCI/L	7.6	U							15 PCI/L	7.2	U
GROSS ALPHA													6.5 PCI/L	4	NV
GROSS BETA													11 PCI/L	3.4	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118429			118430			118433			118434			118435		
TASK:	50.03.23			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	DATACHEM			CORE			FERMCO			FERMCO			CORE		
WELL OR BORING NUMBER:	1278			1278			1278			1278			1278		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93			25-MAY-93		
NORTH COORDINATE:	481854.87			481854.87			481854.87			481854.87			481854.87		
EAST COORDINATE:	1380973.36			1380973.36			1380973.36			1380973.36			1380973.36		
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)
INORGANICS															
ALUMINUM	.014 MG/L		U												
ANTIMONY	.045 MG/L		U												
ARSENIC	.001 MG/L		UJ												
BARIUM	.072 MG/L		-												
BERYLLIUM	.001 MG/L		UJ												
CADMIUM	.003 MG/L		U												
CALCIUM	120 MG/L		-												
CHROMIUM	.004 MG/L		U												
COBALT	.006 MG/L		U												
COPPER	.004 MG/L		U												
CYANIDE	.01 MG/L		U												
IRON	.0586 MG/L		U												
LEAD	.001 MG/L		UR												
MAGNESIUM	33.4 MG/L		-												
MANGANESE	.0037 MG/L		U												
MERCURY	.0002 MG/L		U												
NICKEL	.019 MG/L		U												
POTASSIUM	.76 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILVER	.003 MG/L		UJ												
SODIUM	23.7 MG/L		-												
THALLIUM	.001 MG/L		UJ												
VANADIUM	.004 MG/L		U												
ZINC	.0321 MG/L		-												
RADIONUCLIDES															
URANIUM-238				6.7 PCI/L	1.4	J							6.6 PCI/L	1.1	
URANIUM, TOTAL				17.8 UG/L	1.2	-	18 UG/L		NV	19 UG/L		NV	16.4 UG/L	1.1	
URANIUM-234				5.4 PCI/L	.7	J							6.5 PCI/L	1	
THORIUM-230				.7 PCI/L	.3	J							.2 PCI/L	.2	
RADIUM-226				1 PCI/L	.6	UJ							1 PCI/L	.3	U

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SAMPLE NUMBER:	045248			045908			045909			045247			118428		
LAB:	IT			IT			IT			WMCO			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															
THALLIUM													.001 MG/L		UJ
VANADIUM													.0214 MG/L		U
ZINC													.0466 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	6 UG/L	1	-							8.4 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
XYLENES, TOTAL													10 UG/L		U

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045248			045908			045909			045247			118428		
TASK:	3.7			3.7			3.7			3.7			50.03.23		
LAB:	IT			IT			IT			WMCO			DATACHEM		
WELL OR BORING NUMBER:	1278			1278			1278			1278			1278		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-NOV-89			05-NOV-89			06-FEB-90			17-JUL-89			25-MAY-93		
NORTH COORDINATE:	481854.87			481854.87			481854.87			481854.87			481854.87		
EAST COORDINATE:	1380973.36			1380973.36			1380973.36			1380973.36			1380973.36		
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													.05 MG/L		U
NITRATE				.1 MG/L		U	.3 MG/L		R				.42 MG/L		-
NITRATE/NITRITE													.42 MG/L		-
PHENOLS													.02 MG/L		U
PHOSPHORUS													.96 MG/L		-
SULFIDE													1 MG/L		U
TOTAL ORGANIC CARBON													1 MG/L		U
TOTAL ORGANIC HALIDES													.01 MG/L		U
INORGANICS															
ALUMINUM													7.41 MG/L		-
ANTIMONY													.045 MG/L		U
ARSENIC													.0017 MG/L		J
BARIUM													.127 MG/L		-
BERYLLIUM													.001 MG/L		UJ
CADMIUM													.003 MG/L		U
CALCIUM													159 MG/L		-
CHROMIUM													.0098 MG/L		U
COBALT													.0139 MG/L		U
COPPER													.0078 MG/L		U
CYANIDE													.01 MG/L		U
IRON													14.9 MG/L		-
LEAD													.0058 MG/L		R
MAGNESIUM													45.6 MG/L		-
MANGANESE													.324 MG/L		-
MERCURY													.0002 MG/L		-
NICKEL													.0521 MG/L		U
POTASSIUM													3.38 MG/L		-
SELENIUM													.002 MG/L		-
SILVER													.003 MG/L		-
SODIUM													23.5 MG/L		-

SAMPLE NUMBER:	GW930421-2			GW930126-5			GW930126-5			GW930126-5			GW930126-5		
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)
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		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										10 UG/L		UNV
2-HEXANONE	10 UG/L		U										10 UG/L		UNV
4-METHYL-2-PENTANONE	10 UG/L		U										10 UG/L		UNV
ACETONE	13 UG/L		UJ										10 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		UJ										5 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										10 UG/L		UNV
CHLOROFORM	10 UG/L		U										1 UG/L		UNV
CHLOROMETHANE	10 UG/L		U										10 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										10 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
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV
VINYL CHLORIDE	10 UG/L		U										5 UG/L		UNV
XYLENES, TOTAL	10 UG/L		U										1 UG/L		UNV

SAMPLE NUMBER:	GW930421-2			GW930126-5			GW930126-5			GW930126-5			GW930126-5		
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															
COPPER	.0042 MG/L		-							.02 MG/L		UNV	.051 MG/L		NV
CYANIDE	.02 MG/L		U										.005 MG/L		UNV
IRON	2.85 MG/L		-							.1 MG/L		UNV	50.7 MG/L		NV
LEAD	.002 MG/L		U							.003 MG/L		UNV	.0329 MG/L		NV
MAGNESIUM	49 MG/L		-							48.3 MG/L		NV	122 MG/L		NV
MANGANESE	.208 MG/L		-							.145 MG/L		NV	1.38 MG/L		NV
MERCURY	.0002 MG/L		U							.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM	.0156 MG/L		-							.01 MG/L		UNV	.011 MG/L		NV
NICKEL	.011 MG/L		U							.01 MG/L		UNV	.164 MG/L		NV
POTASSIUM	2.74 MG/L		-										8.4 MG/L		NV
SELENIUM	.002 MG/L		UJ							.005 MG/L		UNV	.005 MG/L		UNV
SILVER	.004 MG/L		U							.001 MG/L		UNV	.0015 MG/L		NV
SODIUM	12 MG/L		-										12 MG/L		NV
THALLIUM	.003 MG/L		UJ							.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.004 MG/L		U							.05 MG/L		UNV	.102 MG/L		NV
ZINC	.0388 MG/L		U							.02 MG/L		UNV	.152 MG/L		NV
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				20.2 UG/L		NV	4.2 UG/L		NV						
THORIUM-230				.4 PCI/L	.2	NV									
RADIUM-226				2.2 PCI/L	.5	NV									
THORIUM-232				.2 PCI/L	.1	UNV									
THORIUM, TOTAL				1.1 UG/L		NV									
RADIUM-228				3 PCI/L	1.4	UNV									
THORIUM-228				.2 PCI/L	.1	UNV									
GROSS ALPHA				2.7 PCI/L	9.9	UNV									
GROSS BETA				39.4 PCI/L	11.7	NV									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930421-2	GW930126-5	GW930126-5	GW930126-5	GW930126-5
TASK:	50.03.23	RCRA	RCRA	RCRA	RCRA
LAB:	LOCKHEED	CORE	FERMCO Laboratory	NET	NET
WELL OR BORING NUMBER:	1276	1276	1276	1276	1276
DEPTH:	-	-	-	-	-
DATE COLLECTED:	21-APR-93	26-JAN-93	26-JAN-93	26-JAN-93	26-JAN-93
NORTH COORDINATE:	482052.32	482052.32	482052.32	482052.32	482052.32
EAST COORDINATE:	1381885.01	1381885.01	1381885.01	1381885.01	1381885.01
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	420 MG/L		-										347 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA	.088 MG/L		UJ										.24 MG/L		NV
BICARBONATE ALKALINITY	410 MG/L		-										415 MG/L		NV
CARBONATE ALKALINITY	30 MG/L		U										3 MG/L		UNV
CHLORIDE	16 MG/L		-										20 MG/L		NV
FLUORIDE	1.1 MG/L		-										1.28 MG/L		NV
NITRATE	.051 MG/L		U										.02 MG/L		UNV
NITRATE/NITRITE	.051 MG/L		U												
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH	7.6 SU		-										7.19 SU		NV
PHENOLS	.15 MG/L		U										.01 MG/L		UNV
PHOSPHORUS	.21 MG/L		-										.1 MG/L		UNV
SPECIFIC CONDUCTIVITY	820 UMHOS/CM		-										926 UMHOS/CM		NV
SULFATE	130 MG/L		-										140 MG/L		NV
TOTAL DISSOLVED SOLIDS										571 MG/L		NV			
TOTAL ORGANIC CARBON	1.3 MG/L		-										28 MG/L		NV
TOTAL ORGANIC HALIDES	.052 MG/L		-										.01 MG/L		UNV
TOTAL ORGANIC NITROGEN	.17 MG/L		J												
TOTAL SOLIDS	1200 MG/L		-										4820 MG/L		NV
INORGANICS															
ALUMINUM	1.77 MG/L		-							.2 MG/L		UNV	35.2 MG/L		NV
ANTIMONY	.027 MG/L		U							.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.0038 MG/L		J							.005 MG/L		UNV	.0216 MG/L		NV
BARIUM	.0595 MG/L		-							.2 MG/L		UNV	.5 MG/L		NV
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	120 MG/L		-							112 MG/L		NV	297 MG/L		NV
CHROMIUM	.004 MG/L		U							.002 MG/L		UNV	.0415 MG/L		NV
COBALT	.005 MG/L		U							.005 MG/L		UNV	.0279 MG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

URANIUM-238	4 PCI/L	.9	J				1.6 PCI/L	.3	J									
10/01/94																		
SAMPLE NUMBER:	GW930714-2			045261			GW930421-2			GW930421-2			GW930421-2					
LAB:	CORE			WMCO			CORE			FERMCO			LOCKHEED					
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	12.7 UG/L	.9	-	95.6 UG/L		NV	13.8 UG/L	1	J	16 UG/L		NV						
URANIUM-234	3.9 PCI/L	.8	J				1.4 PCI/L	.2	J									
THORIUM-230	1.1 PCI/L	.4	J				.2 PCI/L	.1	UJ									
RADIUM-226	1 PCI/L	.4	UJ				3.6 PCI/L	.7	J									
URANIUM-235/236	.2 PCI/L	.1	UJ				.2 PCI/L	.2	UJ									
THORIUM-232	.3 PCI/L	.2	J				.3 PCI/L	.1	UJ									
THORIUM, TOTAL	2.73611556 PCI/L		NV															
RADIUM-228	3 PCI/L	1.2	U				3.5 PCI/L	1.2	-									
THORIUM-228	.5 PCI/L	1.1	J				.3 PCI/L	.1	J									
TECHNETIUM-99	15.1 PCI/L	9.1	UJ				33.5 PCI/L	7.4	R									
GROSS ALPHA	18.8 PCI/L	4.5	NV				134 PCI/L	26	NV									
GROSS BETA	7.7 PCI/L	4.4	NV				173 PCI/L	28.5	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930714-2	045261	GW930421-2	GW930421-2	GW930421-2
TASK:	50.03.23	3.7	50.03.23	50.03.23	50.03.23
LAB:	CORE	WMCO	CORE	FERMCO	LOCKHEED
WELL OR BORING NUMBER:	1276	1276	1276	1276	1276
DEPTH:	-	-	-	-	-
DATE COLLECTED:	14-JUL-93	16-JUL-89	21-APR-93	21-APR-93	21-APR-93
NORTH COORDINATE:	482052.32	482052.32	482052.32	482052.32	482052.32
EAST COORDINATE:	1381885.01	1381885.01	1381885.01	1381885.01	1381885.01
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															
TOTAL DISSOLVED SOLIDS													540 MG/L		-
INORGANICS															
ALUMINUM													.0391 MG/L		-
ANTIMONY													.031 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0524 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.002 MG/L		U
CALCIUM													129 MG/L		-
CHROMIUM													.003 MG/L		U
COBALT													.008 MG/L		U
COPPER													.0066 MG/L		-
CYANIDE													.02 MG/L		U
IRON													.0532 MG/L		-
LEAD													.001 MG/L		U
MAGNESIUM													52.8 MG/L		-
MANGANESE													.114 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.015 MG/L		U
NICKEL													.031 MG/L		U
POTASSIUM													2.46 MG/L		-
SELENIUM													.001 MG/L		UJ
SILVER													.003 MG/L		U
SODIUM													10.6 MG/L		-
THALLIUM													.002 MG/L		U
VANADIUM													.007 MG/L		U
ZINC													.0082 MG/L		-
RADIONUCLIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045900	045901	045902	045903	GW930714-2
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	IT	IT	IT	IT	CORE
WELL OR BORING NUMBER:	1276	1276	1276	1276	1276
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-NOV-89	05-NOV-89	05-NOV-89	06-FEB-90	14-JUL-93
NORTH COORDINATE:	482052.32	482052.32	482052.32	482052.32	482052.32
EAST COORDINATE:	1381885.01	1381885.01	1381885.01	1381885.01	1381885.01
QA TYPE:	NORMAL	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:		045262	045900		
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				.1 MG/L		U	.1 MG/L		UR			
RADIONUCLIDES															
URANIUM-238													4.3 PCI/L	.9	J
URANIUM, TOTAL				40 UG/L	6	-							13.1 UG/L	.9	-
URANIUM-234													3.8 PCI/L	.8	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													.3 PCI/L	.2	J
RADIUM-228													3 PCI/L	1.2	U
THORIUM-228													.2 PCI/L	1.1	UJ
TECHNETIUM-99													15 PCI/L	7.9	UJ
GROSS ALPHA													9.3 PCI/L	2.4	NV
GROSS BETA													20.7 PCI/L	2.9	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045254			045896			045897			045253			045262		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			WMCO			IT		
WELL OR BORING NUMBER:	1274			1274			1274			1274			1276		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-NOV-89			02-NOV-89			06-FEB-90			17-JUL-89			05-NOV-89		
NORTH COORDINATE:	482063.8			482063.8			482063.8			482063.8			482052.32		
EAST COORDINATE:	1381462.3			1381462.3			1381462.3			1381462.3			1381885.01		
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		UR						
RADIONUCLIDES															
URANIUM, TOTAL	12 UG/L	2	J							9.7 PCI/L		NV	39 UG/L	6	-

SAMPLE NUMBER:	120326			120326F			120328			120328F			045251		
LAB:	DATACHEM			DATACHEM			CORE			CORE			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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 CHLORIDE	10 UG/L		U												
XYLENES, TOTAL	10 UG/L		U												

SAMPLE NUMBER:	120326			120326F			120328			120328F			045251		
LAB:	DATACHEM			DATACHEM			CORE			CORE			WMCO		
SUFFIX/FILTERFLAG:	NONE-UNF			NONE-FIL			NONE-UNF			NONE-FIL			NONE-UNF		
	RESULT	SIGMA	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	8.7 MG/L		-	8.92 MG/L		-									
THALLIUM	.001 MG/L		U	.001 MG/L		U									
VANADIUM	.0076 MG/L		-	.0029 MG/L		U									
ZINC	.0392 MG/L		-	.0093 MG/L		-									
RADIONUCLIDES															
URANIUM-238							1.5 PCI/L	.4	J	1.5 PCI/L	.4	J			
URANIUM, TOTAL							5.4 UG/L	.4	-	5.4 UG/L	.4	R	11.8 UG/L		NV
URANIUM-234							1.7 PCI/L	.4	J	1.7 PCI/L	.4	J			
THORIUM-230							.5 PCI/L	.3	J	.5 PCI/L	.3	J			
RADIUM-226							1.1 PCI/L	.5	-	1.1 PCI/L	.5	-			
URANIUM-235/236							.2 PCI/L	.5	UJ	.2 PCI/L	.5	UJ			
THORIUM-232							.2 PCI/L	.3	UJ	.2 PCI/L	.3	UJ			
THORIUM, TOTAL							1.8240614 PCI/L	.3	NV	1.8240614 PCI/L	.3	NV			
RADIUM-228							3 PCI/L	1.1	U	3 PCI/L	1.1	U			
THORIUM-228							.3 PCI/L	.7	J	.3 PCI/L	.7	J			
TECHNETIUM-99							15 PCI/L	6.3	UJ	15 PCI/L	6.7	UJ			
GROSS ALPHA							8.8 PCI/L	3.6	NV	8.8 PCI/L	3.7	NV			
GROSS BETA							7.8 PCI/L	3.7	NV	7.8 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		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												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120326	120326F	120328	120328F	045251
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	DATACHEM	DATACHEM	CORE	CORE	WMCO
WELL OR BORING NUMBER:	1273	1273	1273	1273	1273
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUN-93	08-JUN-93	08-JUN-93	08-JUN-93	17-JUL-89
NORTH COORDINATE:	482071.1	482071.1	482071.1	482071.1	482071.1
EAST COORDINATE:	1381241.49	1381241.49	1381241.49	1381241.49	1381241.49
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	370 MG/L		-												
AMMONIA	.1 MG/L		-												
CHLORIDE	7.9 MG/L		-												
FLUORIDE	.2 MG/L		-												
NITRATE/NITRITE	.05 MG/L		U												
PHENOLS	.002 MG/L		U												
PHOSPHORUS	.77 MG/L		-												
SULFATE	79 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL ORGANIC CARBON	2 MG/L		-												
TOTAL ORGANIC HALIDES	.02 MG/L		-												
INORGANICS															
ALUMINUM	4.05 MG/L		J	.06 MG/L		UJ									
ANTIMONY	.0157 MG/L		U	.0157 MG/L		U									
ARSENIC	.002 MG/L		U	.002 MG/L		U									
BARIUM	.161 MG/L		-	.058 MG/L		-									
BERYLLIUM	.00044 MG/L		U	.0003 MG/L		U									
CADMIUM	.0012 MG/L		U	.0012 MG/L		U									
CALCIUM	144 MG/L		-	129 MG/L		-									
CHROMIUM	.0099 MG/L		J	.0031 MG/L		UJ									
COBALT	.0119 MG/L		-	.0034 MG/L		U									
COPPER	.0086 MG/L		-	.0024 MG/L		U									
CYANIDE	.01 MG/L		U	.01 MG/L		U									
IRON	8.83 MG/L		-	.0208 MG/L		U									
LEAD	.0026 MG/L		-	.001 MG/L		U									
MAGNESIUM	33.1 MG/L		-	29.2 MG/L		-									
MANGANESE	14.6 MG/L		-	2 MG/L		-									
MERCURY	.0002 MG/L		U	.0002 MG/L		U									
NICKEL	.0144 MG/L		-	.007 MG/L		U									
POTASSIUM	2.17 MG/L		-	.531 MG/L		-									

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045252			045892			045893			120325			120325F		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	IT			IT			IT			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1273			1273			1273			1273			1273		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	02-NOV-89			02-NOV-89			05-FEB-90			08-JUN-93			08-JUN-93		
NORTH COORDINATE:	482071.1			482071.1			482071.1			482071.1			482071.1		
EAST COORDINATE:	1381241.49			1381241.49			1381241.49			1381241.49			1381241.49		
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															
NITRATE				.1 MG/L		U	.1 MG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	9 UG/L	1	J							6.6 UG/L		NV	5.2 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045237	045250	045888	045889	045249
TASK:	3.7	3.7	3.7	3.7	3.7
LAB:	WMCO	IT	IT	IT	WMCO
WELL OR BORING NUMBER:	1271	1272	1272	1272	1272
DEPTH:	-	-	-	-	-
DATE COLLECTED:	16-JUL-89	02-NOV-89	02-NOV-89	05-FEB-90	17-JUL-89
NORTH COORDINATE:	479978.04	482071.07	482071.07	482071.07	482071.07
EAST COORDINATE:	1380205.43	1380988.72	1380988.72	1380988.72	1380988.72
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															
NITRATE							.1 MG/L		U	.1 MG/L		U			
RADIONUCLIDES															
URANIUM, TOTAL	610 PCI/L		NV	7 UG/L	1	J							4.8 UG/L		NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118294			118295			045231			045238			045884		
TASK:	50.03.23			50.03.23			3.7			3.7			3.7		
LAB:	FERMCO			FERMCO			IT			IT			IT		
WELL OR BORING NUMBER:	1270			1270			1270			1271			1271		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	16-MAY-93			16-MAY-93			22-JAN-90			02-NOV-89			02-NOV-89		
NORTH COORDINATE:	479572.21			479572.21			479572.21			479978.04			479978.04		
EAST COORDINATE:	1380466.33			1380466.33			1380466.33			1380205.43			1380205.43		
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							.24 MG/L		-				.21 MG/L		-
RADIONUCLIDES															
URANIUM, TOTAL	7.5 UG/L		NV	6.5 UG/L		NV	11.9 UG/L	1.3	J	933 UG/L	132	J			

SAMPLE NUMBER:	045876			118288			118289			118291			118292		
LAB:	IT			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															
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 ACETATE				10 UG/L		U									
VINYL CHLORIDE				10 UG/L		U									
XYLENES, TOTAL				10 UG/L		U									

SAMPLE NUMBER:	045876			118288			118289			118291			118292		
LAB:	IT			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															
VANADIUM				.109 MG/L		-	.0132 MG/L		U						
ZINC				.324 MG/L		-	.0261 MG/L		U						
RADIONUCLIDES															
URANIUM-238										.6 PCI/L	.3	R	1.6 PCI/L	.4	R
URANIUM, TOTAL	15.4 UG/L	3.4	-							1.8 UG/L	.1	-	5.5 UG/L	.4	J
URANIUM-234										.9 PCI/L	.3	R	1.4 PCI/L	.4	R
THORIUM-230										.3 PCI/L	.3	UJ	.5 PCI/L	.3	J
RADIUM-226										1 PCI/L	.6	U	1.3 PCI/L	.6	J
URANIUM-235/236										.2 PCI/L	.2	R	.1 PCI/L	.5	R
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
THORIUM, TOTAL													1.8240614 PCI/L	.2	NV
RADIUM-228										3 PCI/L	1.7	U	3 PCI/L	1.6	UJ
THORIUM-228										.3 PCI/L	.3	UJ	.3 PCI/L	.2	J
TECHNETIUM-99										15 PCI/L	6.8	UJ			
GROSS ALPHA										8.2 PCI/L	2.6	NV	5.6 PCI/L	3.1	UNV
GROSS BETA										7.1 PCI/L	3.4	NV	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		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		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									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045876			118288			118289			118291			118292		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			DATACHEM			DATACHEM			CORE			CORE		
WELL OR BORING NUMBER:	1269			1270			1270			1270			1270		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-AUG-90			16-MAY-93			16-MAY-93			16-MAY-93			16-MAY-93		
NORTH COORDINATE:	479572.5			479572.21			479572.21			479572.21			479572.21		
EAST COORDINATE:	1380249.77			1380466.33			1380466.33			1380466.33			1380466.33		
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				.05 MG/L		U									
NITRATE/NITRITE				7.8 MG/L		-									
PHENOLS				.02 MG/L		U									
PHOSPHORUS				4.4 MG/L		-									
SULFIDE				1 MG/L		U									
TOTAL ORGANIC CARBON				1 MG/L		U									
TOTAL ORGANIC HALIDES				.01 MG/L		U									
INORGANICS															
ALUMINUM				47.5 MG/L		-	1.17 MG/L		-						
ANTIMONY				.045 MG/L		U	.045 MG/L		U						
ARSENIC				.0042 MG/L		UJ	.0018 MG/L		UJ						
BARIUM				.456 MG/L		-	.228 MG/L		-						
BERYLLIUM				.0024 MG/L		U	.0013 MG/L		U						
CADMIUM				.003 MG/L		U	.003 MG/L		U						
CALCIUM				628 MG/L		-	329 MG/L		-						
CHROMIUM				.0727 MG/L		-	.004 MG/L		UJ						
COBALT				.0446 MG/L		-	.0078 MG/L		-						
COPPER				.107 MG/L		-	.0057 MG/L		U						
CYANIDE				.01 MG/L		U	.01 MG/L		U						
IRON				106 MG/L		-	1.45 MG/L		-						
LEAD				.0448 MG/L		J	.0069 MG/L		U						
MAGNESIUM				265 MG/L		-	79.8 MG/L		-						
MANGANESE				2.36 MG/L		-	.816 MG/L		-						
MERCURY				.0002 MG/L		U	.0002 MG/L		U						
NICKEL				.077 MG/L		U	.0384 MG/L		U						
POTASSIUM				11.4 MG/L		-	.432 MG/L		U						
SELENIUM				.01 MG/L		UR	.01 MG/L		UR						
SILVER				.003 MG/L		UJ	.003 MG/L		UJ						
SODIUM				6.53 MG/L		-	6 MG/L		-						
THALLIUM				.001 MG/L		U	.001 MG/L		U						

SAMPLE NUMBER:	118183			118184			118185			118186			045877		
LAB:	LOCKHEED			LOCKHEED			CORE			CORE			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															
SILVER	.004 MG/L		U	.004 MG/L		U									
SODIUM	4.51 MG/L		-	4.49 MG/L		-									
THALLIUM	.003 MG/L		U	.003 MG/L		U									
VANADIUM	.0251 MG/L		-	.004 MG/L		U									
ZINC	.135 MG/L		-	.003 MG/L		U									
RADIONUCLIDES															
URANIUM-238							9.2 PCI/L	1.1	J	7.2 PCI/L	.9	J			
URANIUM, TOTAL							24.9 UG/L	1.7	-	21.3 UG/L	1.5	-			
URANIUM-234							9 PCI/L	1.1	J	7.7 PCI/L	1	J			
THORIUM-230							1.1 PCI/L	.4	J	.2 PCI/L	.2	UJ			
RADIUM-226							1.8 PCI/L	.6	-	1.1 PCI/L	.6	U			
URANIUM-235/236							.6 PCI/L	.3	J	.3 PCI/L	.3	J			
THORIUM-232							.7 PCI/L	.3	J	.2 PCI/L	.2	UJ			
THORIUM, TOTAL							6.38411556 PCI/L	.3	NV	.912 PCI/L	.2	NV			
RADIUM-228							3 PCI/L	1.4	U	3 PCI/L	1.5	U			
THORIUM-228							.5 PCI/L	.3	J	.3 PCI/L	.1	UJ			
TECHNETIUM-99							15 PCI/L	6.4	UJ	15 PCI/L	6.2	UJ			
GROSS ALPHA							30.2 PCI/L	7.7	NV	16.5 PCI/L	4.6	NV			
GROSS BETA							18.9 PCI/L	8.8	NV	31.6 PCI/L	4.3	NV			

SAMPLE NUMBER:	120343			120343F			045277			045445			118735		
LAB:	DATACHEM			DATACHEM			IT			IT			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)
INORGANICS															
NICKEL													.019 MG/L		U
POTASSIUM													4.33 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.003 MG/L		U
SODIUM													30 MG/L		-
THALLIUM													.001 MG/L		UJ
VANADIUM													.004 MG/L		U
ZINC													.0213 MG/L		J
RADIONUCLIDES															
URANIUM, TOTAL							64 UG/L	7	-						
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		UJ												

000092

SAMPLE NUMBER:	120343			120343F			045277			045445			118735		
LAB:	DATACHEM			DATACHEM			IT			IT			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															
XYLENES, TOTAL	10 UG/L		U												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118736	EMGW_SYSGEN_316	120492	120493F	045271
TASK:	50.03.23	GWMON	50.03.23	50.03.23	3.7
LAB:	CORE	NET	DATACHEM	CORE	WMCO
WELL OR BORING NUMBER:	1299	1299	1299	1299	1301
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-JUL-93	26-OCT-90	29-JUL-93	29-JUL-93	03-AUG-89
NORTH COORDINATE:	481185.14	481185.14	481185.14	481185.14	481161.4
EAST COORDINATE:	1381203.59	1381203.59	1381203.59	1381203.59	1381649.39
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							450 MG/L		-						
CHLORIDE							4.9 MG/L		J						
FLUORIDE							.8 MG/L		-						
NITRATE							.09 MG/L		J						
SULFATE							260 MG/L		-						
INORGANICS															
ALUMINUM							2.48 MG/L		-						
ANTIMONY							.045 MG/L		U						
ARSENIC							.0034 MG/L		-						
BARIUM							.0353 MG/L		-						
BERYLLIUM							.001 MG/L		U						
CADMIUM							.003 MG/L		U						
CALCIUM							234 MG/L		-						
CHROMIUM							.0165 MG/L		U						
COBALT							.006 MG/L		U						
COPPER							.0066 MG/L		-						
IRON							4.69 MG/L		-						
LEAD				.006 MG/L		NV	.0022 MG/L		J						
MAGNESIUM							118 MG/L		-						
MANGANESE							.184 MG/L		-						
MERCURY							.0002 MG/L		U						
NICKEL							.019 MG/L		U						
POTASSIUM							4.34 MG/L		-						
SELENIUM							.002 MG/L		UJ						
SILVER							.003 MG/L		U						
SODIUM							38.8 MG/L		-						
THALLIUM							.001 MG/L		U						
VANADIUM							.0073 MG/L		-						
ZINC							.0365 MG/L		-						

002094

RADIONUCLIDES

URANIUM-238 2.6 PCI/L .8 R
10/01/94

3.1 PCI/L 1.2 R

SAMPLE NUMBER:	118736			EMGW_SYSGEN_316			120492			120493F			045271		
LAB:	CORE			NET			DATACHEM			CORE			WMCO		
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	6.8 UG/L	.5	-							9.7 UG/L	.7	R	53.4 UG/L		NV
URANIUM-234	3 PCI/L	.6	R							4.2 PCI/L	.7	R			
THORIUM-230	.4 PCI/L	.3	R							.2 PCI/L	.2	UJ			
RADIUM-226	1 PCI/L	.3	U							1.2 PCI/L	.6	U			
URANIUM-235/236	.1 PCI/L	.1	R							.1 PCI/L	.1	R			
THORIUM-232	1 PCI/L	.2	R							.2 PCI/L	.5	UJ			
THORIUM, TOTAL										1.82402212 PCI/L	.5	NV			
RADIUM-228	3 PCI/L	1.1	U							3 PCI/L	1	U			
THORIUM-228	.2 PCI/L	.4	R							.2 PCI/L	.5	UJ			
TECHNETIUM-99	15 PCI/L	7.6	U												
GROSS ALPHA										7 PCI/L	4.3	UNV			
GROSS BETA										46.2 PCI/L	6.1	NV			
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:	045450	120394	120396	045272	045449
TASK:	3.7	50.03.23	50.03.23	3.7	3.7
LAB:	IT	TCT	CORE	IT	IT
WELL OR BORING NUMBER:	1301	1301	1301	1301	1301
DEPTH:	-	-	-	-	-
DATE COLLECTED:	07-FEB-90	10-JUL-93	10-JUL-93	18-OCT-89	18-OCT-89
NORTH COORDINATE:	481161.4	481161.4	481161.4	481161.4	481161.4
EAST COORDINATE:	1381649.39	1381649.39	1381649.39	1381649.39	1381649.39
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				444 MG/L		-									
AMMONIA				.049 MG/L		-									
CHLORIDE				28.1 MG/L		-									
FLUORIDE				.72 MG/L		-									
NITRATE	.15 MG/L		J	.0522 MG/L		-							.1 MG/L		-
NITRATE/NITRITE				.0522 MG/L		-									
PHOSPHATE				.155 MG/L		R									
SULFATE				135 MG/L		-									
TOTAL KJELDAHL NITROGEN				.2 MG/L		U									
TOTAL ORGANIC NITROGEN				.2 MG/L		U									
INORGANICS															
ALUMINUM				.833 MG/L		-									
ANTIMONY				.014 MG/L		UJ									
ARSENIC				.002 MG/L		U									
BARIUM				.0632 MG/L		-									
BERYLLIUM				.005 MG/L		UR									
CADMIUM				.005 MG/L		U									
CALCIUM				125 MG/L		-									
CHROMIUM				.006 MG/L		UJ									
COBALT				.017 MG/L		U									
COPPER				.009 MG/L		U									
IRON				1.47 MG/L		-									
LEAD				.0026 MG/L		-									
MAGNESIUM				79.5 MG/L		-									
MANGANESE				.161 MG/L		-									
MERCURY				.0001 MG/L		U									
MOLYBDENUM				.017 MG/L		UJ									
NICKEL				.018 MG/L		UJ									
POTASSIUM				3.25 MG/L		-									
SELENIUM				.005 MG/L		UJ									

SAMPLE NUMBER:	045450			120394			120396			045272			045449		
LAB:	IT			TCT			CORE			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															
SILICON				6.99 MG/L		-									
SILVER				.002 MG/L		U									
SODIUM				17.4 MG/L		-									
THALLIUM				.001 MG/L		UJ									
VANADIUM				.024 MG/L		U									
ZINC				.01 MG/L		J									
RADIONUCLIDES															
URANIUM-238							4.8 PCI/L	.8	R						
URANIUM, TOTAL							13.6 UG/L	1	-	35 UG/L	5	-			
URANIUM-234							5 PCI/L	.8	R						
THORIUM-230							.8 PCI/L	.4	R						
RADIUM-226							1.4 PCI/L	.4	-						
URANIUM-235/236							.4 PCI/L	.3	R						
THORIUM-232							.6 PCI/L	.3	R						
RADIUM-228							3 PCI/L	1	U						
THORIUM-228							.8 PCI/L	.4	R						
TECHNETIUM-99							15 PCI/L	6.9	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				11 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									

SAMPLE NUMBER:	045450			120394			120396			045272			045449		
LAB:	IT			TCT			CORE			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				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:	120280	120281	120494	120494F	046818
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	DATACHEM	CORE	DATACHEM	DATACHEM	IT
WELL OR BORING NUMBER:	1301	1301	1301	1301	1304
DEPTH:	-	-	-	-	-
DATE COLLECTED:	25-JUL-93	25-JUL-93	29-JUL-93	29-JUL-93	22-AUG-90
NORTH COORDINATE:	481161.4	481161.4	481161.4	481161.4	481099.7
EAST COORDINATE:	1381649.39	1381649.39	1381649.39	1381649.39	1380871
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							410 MG/L		-						
INORGANICS															
ALUMINUM	.882 MG/L		-							.0311 MG/L		U			
ANTIMONY	.045 MG/L		UR							.045 MG/L		U			
ARSENIC	.0013 MG/L		-							.001 MG/L		U			
BARIUM	.0713 MG/L		-							.0663 MG/L		-			
BERYLLIUM	.0017 MG/L		U							.001 MG/L		U			
CADMIUM	.003 MG/L		U							.003 MG/L		U			
CALCIUM	113 MG/L		J							119 MG/L		-			
CHROMIUM	.0074 MG/L		-							.0059 MG/L		U			
COBALT	.006 MG/L		U							.006 MG/L		U			
COPPER	.0074 MG/L		-							.0067 MG/L		-			
CYANIDE							.01 MG/L		U						
IRON	1.75 MG/L		J							.0271 MG/L		U			
LEAD	.0018 MG/L		J							.001 MG/L		U			
MAGNESIUM	71.9 MG/L		-							77.8 MG/L		-			
MANGANESE	.128 MG/L		J							.0033 MG/L		U			
MERCURY	.0002 MG/L		U							.0002 MG/L		U			
NICKEL	.019 MG/L		U							.019 MG/L		U			
POTASSIUM	4.82 MG/L		-							3.02 MG/L		-			
SELENIUM	.002 MG/L		UJ							.002 MG/L		U			
SILVER	.0071 MG/L		-							.003 MG/L		U			
SODIUM	16.4 MG/L		-							17.8 MG/L		-			
THALLIUM	.001 MG/L		U							.001 MG/L		U			
VANADIUM	.0052 MG/L		-							.004 MG/L		U			
ZINC	.0279 MG/L		-							.006 MG/L		U			
RADIONUCLIDES															
URANIUM-238				4.1 PCI/L	.7	J									

SAMPLE NUMBER:	120280			120281			120494			120494F			046818		
LAB:	DATACHEM			CORE			DATACHEM			DATACHEM			IT		
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															
URANIUM, TOTAL				11.9 UG/L	.8	-							292 UG/L	44	-
URANIUM-234				4.4 PCI/L	1	J									
THORIUM-230				.5 PCI/L	.3	R									
RADIUM-226				1 PCI/L	.4	U									
URANIUM-235/236				.3 PCI/L	.5	J									
THORIUM-232				.1 PCI/L	.2	R									
RADIUM-228				3 PCI/L	1.2	U									
THORIUM-228				.2 PCI/L	.2	R									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046819	EMGW_SYSGEN_317	046717	046718	046719
TASK:	3.7	GWMON	3.7	3.7	3.7
LAB:	IT	NET	IT	IT	IT
WELL OR BORING NUMBER:	1304	1304	1317	1317	1317
DEPTH:	-	-	-	-	-
DATE COLLECTED:	22-AUG-90	26-OCT-90	01-AUG-90	01-AUG-90	01-AUG-90
NORTH COORDINATE:	481099.7	481099.7	480947.54	480947.54	480947.54
EAST COORDINATE:	1380871	1380871	1381246.91	1381246.91	1381246.91
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	DUPLICATE
QC OF:					046717
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	.56 MG/L		-							.1 MG/L		U			
INORGANICS															
LEAD				.01 MG/L		NV									
RADIONUCLIDES															
URANIUM, TOTAL							15.4 UG/L	2.5	-				2.81 UG/L	.3	-
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:	046720			118496			118497			120345			120345F		
TASK:	3.7			50.03.23			50.03.23			50.03.23			50.03.23		
LAB:	IT			DATACHEM			FERMCO			DATACHEM			DATACHEM		
WELL OR BORING NUMBER:	1317			1317			1317			1317			1317		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	01-AUG-90			02-JUN-93			02-JUN-93			15-JUN-93			15-JUN-93		
NORTH COORDINATE:	480947.54			480947.54			480947.54			480947.54			480947.54		
EAST COORDINATE:	1381246.91			1381246.91			1381246.91			1381246.91			1381246.91		
QA TYPE:	DUPLICATE			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:	046718														
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										380 MG/L		-			
AMMONIA										.18 MG/L		-			
CHLORIDE										70 MG/L		-			
FLUORIDE										1.1 MG/L		-			
NITRATE	.1 MG/L		U							.57 MG/L		-			
NITRATE/NITRITE										.57 MG/L		-			
PHENOLS										.002 MG/L		U			
PHOSPHORUS										.33 MG/L		-			
SULFATE										140 MG/L		-			
TOTAL KJELDAHL NITROGEN										.6 MG/L		-			
TOTAL ORGANIC CARBON										2 MG/L		-			
TOTAL ORGANIC HALIDES										.01 MG/L		U			
TOTAL ORGANIC NITROGEN										.42 MG/L		-			
INORGANICS															
ALUMINUM				.014 MG/L		U				59.9 MG/L		-	.06 MG/L		U
ANTIMONY				.045 MG/L		U				.0157 MG/L		U	.0157 MG/L		U
ARSENIC				.001 MG/L		U				.0136 MG/L		-	.002 MG/L		U
BARIUM				.0768 MG/L		-				.424 MG/L		-	.0716 MG/L		-
BERYLLIUM				.001 MG/L		U				.0035 MG/L		U	.0003 MG/L		U
CADMIUM				.003 MG/L		U				.0012 MG/L		U	.0012 MG/L		U
CALCIUM				124 MG/L		-				442 MG/L		-	136 MG/L		-
CHROMIUM				.0051 MG/L		-				.0858 MG/L		-	.0033 MG/L		U
COBALT				.006 MG/L		U				.0503 MG/L		-	.0038 MG/L		U
COPPER				.004 MG/L		U				.0887 MG/L		-	.0053 MG/L		-
CYANIDE				.01 MG/L		U				.01 MG/L		U	.01 MG/L		U
IRON				.0247 MG/L		U				102 MG/L		-	.0151 MG/L		U
LEAD				.001 MG/L		U				.0338 MG/L		J	.001 MG/L		U
MAGNESIUM				65.9 MG/L		-				173 MG/L		-	71.9 MG/L		-
MANGANESE				.0259 MG/L		-				2.04 MG/L		-	.0379 MG/L		-
MERCURY				.0002 MG/L		U				.0002 MG/L		U	.0002 MG/L		U

002102

SAMPLE NUMBER:	046720			118496			118497			120345			120345F		
LAB:	IT			DATACHEM			FERMCO			DATACHEM			DATACHEM		
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				.019 MG/L		U				.101 MG/L		-	.007 MG/L		U
POTASSIUM				2.52 MG/L		-				18.4 MG/L		-	3.74 MG/L		-
SELENIUM				.002 MG/L		UJ				.01 MG/L		UJ	.001 MG/L		UJ
SILVER				.003 MG/L		UJ				.0029 MG/L		UJ	.0029 MG/L		UJ
SODIUM				22.1 MG/L		-				25.9 MG/L		-	25.1 MG/L		-
THALLIUM				.001 MG/L		UJ				.001 MG/L		U	.001 MG/L		UJ
VANADIUM				.004 MG/L		U				.102 MG/L		-	.0029 MG/L		U
ZINC				.006 MG/L		U				.259 MG/L		J	.004 MG/L		U
RADIONUCLIDES															
URANIUM, TOTAL							2.5 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		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		UJ			

SAMPLE NUMBER:	046720			118496			118497			120345			120345F		
LAB:	IT			DATACHEM			FERMCO			DATACHEM			DATACHEM		
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										10 UG/L		U			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	046716	118731	118732	120793	118494
TASK:	3.7	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	IT	DATACHEM	CORE	FERMCO	CORE
WELL OR BORING NUMBER:	1317	1317	1317	1317	1317
DEPTH:	-	-	-	-	-
DATE COLLECTED:	19-JAN-90	24-JUL-93	24-JUL-93	26-JUL-93	28-MAY-93
NORTH COORDINATE:	480947.54	480947.54	480947.54	480947.54	480947.54
EAST COORDINATE:	1381246.91	1381246.91	1381246.91	1381246.91	1381246.91
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												
INORGANICS															
ALUMINUM				.0911 MG/L		U									
ANTIMONY				.045 MG/L		U									
ARSENIC				.001 MG/L		U									
BARIUM				.0754 MG/L		-									
BERYLLIUM				.001 MG/L		U									
CADMIUM				.003 MG/L		U									
CALCIUM				121 MG/L		-									
CHROMIUM				.004 MG/L		U									
COBALT				.006 MG/L		U									
COPPER				.005 MG/L		-									
IRON				.178 MG/L		-									
LEAD				.001 MG/L		UJ									
MAGNESIUM				64.4 MG/L		-									
MANGANESE				.0131 MG/L		-									
MERCURY				.0002 MG/L		U									
NICKEL				.019 MG/L		U									
POTASSIUM				3.18 MG/L		-									
SELENIUM				.002 MG/L		UJ									
SILVER				.003 MG/L		U									
SODIUM				22.8 MG/L		-									
THALLIUM				.001 MG/L		UJ									
VANADIUM				.004 MG/L		U									
ZINC				.0336 MG/L		J									
RADIONUCLIDES															
URANIUM-238							5.7 PCI/L	.8	R				2.2 PCI/L	.8	R
URANIUM, TOTAL	265 UG/L	29	-				9.2 UG/L	.6	J				4.2 UG/L	.3	-

SAMPLE NUMBER:	046716			118731			118732			120793			118494		
LAB:	IT			DATACHEM			CORE			FERMCO			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)
RADIONUCLIDES															
URANIUM-234							6.3 PCI/L	1.1	R				2.4 PCI/L	.5	R
THORIUM-230							.5 PCI/L	.3	J				1 PCI/L	.4	J
RADIUM-226							1 PCI/L	.4	U				2.6 PCI/L	.6	J
URANIUM-235/236							.5 PCI/L	.5	R				.4 PCI/L	.2	R
THORIUM-232							.3 PCI/L	.2	J				1.1 PCI/L	.4	J
THORIUM, TOTAL							2.7361102 PCI/L	.2	NV				10.032135 PCI/L	.4	NV
RADIUM-228							3 PCI/L	1	U				3.7 PCI/L	1.4	-
THORIUM-228							.7 PCI/L	.3	J				.7 PCI/L	.7	J
TECHNETIUM-99							18.1 PCI/L	7.9	-				27.2 PCI/L	8.8	J
GROSS ALPHA										230 PCI/L		UNV	46.7 PCI/L	16.5	NV
GROSS BETA										330 PCI/L		UNV	68.1 PCI/L	18.5	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	118495	120495	EMGW_SYSGEN_318	046705	046706
TASK:	50.03.23	50.03.23	GWMON	3.7	3.7
LAB:	CORE	DATACHEM	NET	IT	IT
WELL OR BORING NUMBER:	1317	1317	1317	1318	1318
DEPTH:	-	-	-	-	-
DATE COLLECTED:	28-MAY-93	29-JUL-93	29-OCT-90	13-AUG-90	13-AUG-90
NORTH COORDINATE:	480947.54	480947.54	480947.54	480941.25	480941.25
EAST COORDINATE:	1381246.91	1381246.91	1381246.91	1381434.52	1381434.52
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUMPIN/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				400 MG/L		-									
NITRATE				.15 MG/L		J							.15 MG/L		-
NITRATE/NITRITE				.15 MG/L		J									
INORGANICS															
LEAD							.093 MG/L		NV						
RADIONUCLIDES															
URANIUM-238	.5 PCI/L	.5	J												
URANIUM, TOTAL	3.5 UG/L	.2	-							1 UG/L		U			
URANIUM-234	2 PCI/L	.5	J												
THORIUM-230	.2 PCI/L	.2	R												
RADIUM-226	1 PCI/L	.3	U												
URANIUM-235/236	.2 PCI/L	.5	UJ												
THORIUM-232	.3 PCI/L	.2	R												
RADIUM-228	3 PCI/L	1.1	U												
THORIUM-228	.2 PCI/L	2.6	R												
TECHNETIUM-99	15 PCI/L	7.4	U												
GROSS ALPHA	4.2 PCI/L	2.6	NV												
GROSS BETA	4.9 PCI/L	2.8	UNV												
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:	046707			046708			046704			EMGW_SYSGEN_319			EMGW_SYSGEN_319D		
TASK:	3.7			3.7			3.7			GWMON			GWMON		
LAB:	IT			IT			IT			NET			NET		
WELL OR BORING NUMBER:	1318			1318			1318			1318			1318		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-AUG-90			13-AUG-90			17-JAN-90			29-OCT-90			29-OCT-90		
NORTH COORDINATE:	480941.25			480941.25			480941.25			480941.25			480941.25		
EAST COORDINATE:	1381434.52			1381434.52			1381434.52			1381434.52			1381434.52		
QA TYPE:	DUPLICATE			DUPLICATE			NORMAL			NORMAL			DUPLICATE		
QC OF:	046705			046706									EMGW_SYSGEN_319		
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				.18 MG/L		-	.33 MG/L		-						
INORGANICS															
LEAD										.01 MG/L		NV	.005 MG/L		NV
RADIONUCLIDES															
URANIUM, TOTAL	1 UG/L		U				15.6 UG/L	1.7	J						
VOLATILES															
BENZENE										.68 UG/L		NV	.65 UG/L		NV
ETHYLBENZENE										.5 UG/L		UNV	.5 UG/L		UNV
TOLUENE										2.67 UG/L		NV	2.54 UG/L		NV
XYLENES, TOTAL										1 UG/L		UNV	1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045968	045968	045968	045968	120399
TASK:	3.7	3.7	3.7	3.7	50.03.23
LAB:	IT	IT	IT	IT	TCT
WELL OR BORING NUMBER:	1324	1324	1324	1324	1324
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-APR-90	04-APR-90	04-APR-90	04-APR-90	10-JUL-93
NORTH COORDINATE:	480828.51	480828.51	480828.51	480828.51	480828.51
EAST COORDINATE:	1381681.83	1381681.83	1381681.83	1381681.83	1381681.83
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-FIL	DL-UNF	NONE-UNF	R-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)
INORGANICS															
ALUMINUM	8.17 MG/L		-												
ANTIMONY	.284 MG/L		-												
ARSENIC	.002 MG/L		U												
BARIUM	.131 MG/L		-												
BERYLLIUM	.0755 MG/L		-												
CADMIUM	.0376 MG/L		-												
CALCIUM	204 MG/L		-												
CHROMIUM	2.08 MG/L		-												
COBALT	.204 MG/L		-												
COPPER	.409 MG/L		-												
CYANIDE							.0123 MG/L		-						
IRON	.58 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	56.4 MG/L		-												
MANGANESE	1.02 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.14 MG/L		-												
NICKEL	.26 MG/L		-												
POTASSIUM	9.22 MG/L		-												
SELENIUM	.002 MG/L		U												
SILVER	.847 MG/L		-												
SODIUM	74.3 MG/L		-												
THALLIUM	.002 MG/L		U												
VANADIUM	.691 MG/L		-												
ZINC	.0379 MG/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						

SAMPLE NUMBER:	045968			045968			045968			045968			120399		
LAB:	IT			IT			IT			IT			TCT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-UNF			NONE-UNF			R-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															
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	.058 UG/L		-						
METHOXYCHLOR				1 UG/L		UR	.5 UG/L		U						
TOXAPHENE				2 UG/L		UR	1 UG/L		U						
SEMIVOLATILES															
1,2,4-TRICHLOROBENZENE							20 UG/L		UR	10 UG/L		U			
1,2-DICHLOROBENZENE							20 UG/L		UR	10 UG/L		U			
1,3-DICHLOROBENZENE							20 UG/L		UR	10 UG/L		U			
1,4-DICHLOROBENZENE							20 UG/L		UR	10 UG/L		U			
2,4,5-TRICHLOROPHENOL							100 UG/L		UR	50 UG/L		UR			
2,4,6-TRICHLOROPHENOL							20 UG/L		UR	10 UG/L		UR			
2,4-DICHLOROPHENOL							20 UG/L		UR	10 UG/L		UR			
2,4-DIMETHYLPHENOL							20 UG/L		UR	10 UG/L		UR			
2,4-DINITROPHENOL							100 UG/L		UJ	50 UG/L		UR			
2,4-DINITROTOLUENE							20 UG/L		UNV	10 UG/L		U			
2,6-DINITROTOLUENE							6 UG/L		J	5 UG/L		J			
2-CHLORONAPHTHALENE							20 UG/L		UR	10 UG/L		U			
2-CHLOROPHENOL							20 UG/L		UR	10 UG/L		UR			
2-METHYLNAPHTHALENE							20 UG/L		UR	10 UG/L		U			
2-METHYLPHENOL							20 UG/L		UR	10 UG/L		UR			
2-NITROANILINE							100 UG/L		UR	50 UG/L		U			
2-NITROPHENOL							20 UG/L		UR	10 UG/L		UR			
3,3'-DICHLOROBENZIDINE							40 UG/L		UJ	20 UG/L		U			
3-NITROANILINE							100 UG/L		UR	50 UG/L		U			
4,6-DINITRO-2-METHYLPHENOL							100 UG/L		UR	50 UG/L		UR			
4-BROMOPHENYL PHENYL ETHER							20 UG/L		UR	10 UG/L		U			

SAMPLE NUMBER:	045968			045968			045968			045968			120399		
LAB:	IT			IT			IT			IT			TCT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-UNF			NONE-UNF			R-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															
4-CHLORO-3-METHYLPHENOL							20 UG/L		UR	10 UG/L		UR			
4-CHLOROPHENYLPHENYL ETHER							20 UG/L		UR	10 UG/L		UJ			
4-METHYLPHENOL							20 UG/L		UR	10 UG/L		UR			
4-NITROANILINE							100 UG/L		UR	50 UG/L		U			
4-NITROPHENOL							100 UG/L		UR	50 UG/L		UR			
ACENAPHTHENE							20 UG/L		UR	10 UG/L		U			
ACENAPHTHYLENE							20 UG/L		UR	10 UG/L		U			
ANTHRACENE							20 UG/L		UNV	10 UG/L		U			
BENZO(A)ANTHRACENE							20 UG/L		UR	10 UG/L		U			
BENZO(A)PYRENE							20 UG/L		UR	10 UG/L		U			
BENZO(B)FLUORANTHENE							20 UG/L		UR	10 UG/L		U			
BENZO(G,H,I)PERYLENE							20 UG/L		UR	10 UG/L		U			
BENZO(K)FLUORANTHENE							20 UG/L		UR	10 UG/L		UJ			
BENZOIC ACID							100 UG/L		UR	50 UG/L		UR			
BENZYL ALCOHOL							20 UG/L		UR	10 UG/L		UR			
BIS(2-CHLOROETHOXY)METHANE							20 UG/L		UR	10 UG/L		U			
BIS(2-CHLOROETHYL)ETHER							20 UG/L		UR	10 UG/L		U			
BIS(2-CHLOROISOPROPYL) ETHER							20 UG/L		UR	10 UG/L		U			
BIS(2-ETHYLHEXYL)PHTHALATE							20 UG/L		UNV	1 UG/L		J			
BUTYL BENZYL PHTHALATE							20 UG/L		UR	10 UG/L		U			
CHRYSENE							20 UG/L		UR	10 UG/L		U			
DI-N-BUTYL PHTHALATE							20 UG/L		UNV	10 UG/L		U			
DI-N-OCTYL PHTHALATE							20 UG/L		UJ	10 UG/L		U			
DIBENZO(A,H)ANTHRACENE							20 UG/L		UR	10 UG/L		U			
DIBENZOFURAN							20 UG/L		UR	10 UG/L		U			
DIETHYL PHTHALATE							20 UG/L		UNV	10 UG/L		U			
DIMETHYL PHTHALATE							20 UG/L		UR	10 UG/L		U			
FLUORANTHENE							20 UG/L		UR	10 UG/L		UJ			
FLUORENE							20 UG/L		UR	10 UG/L		U			
HEXACHLOROBENZENE							20 UG/L		UNV	10 UG/L		U			
HEXACHLOROBUTADIENE							20 UG/L		UR	10 UG/L		U			
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		UNV	10 UG/L		U			
ISOPHORONE							20 UG/L		UR	10 UG/L		U			
N-NITROSO-DI-N-PROPYLAMINE							20 UG/L		UR	10 UG/L		U			
N-NITROSODIPHENYLAMINE							20 UG/L		UR	10 UG/L		U			
NAPHTHALENE							20 UG/L		UR	10 UG/L		U			
NITROBENZENE							20 UG/L		UR	10 UG/L		U			
P-CHLOROANILINE							20 UG/L		UR	10 UG/L		U			
PENTACHLOROPHENOL							100 UG/L		UNV	50 UG/L		UR			
PHENANTHRENE							20 UG/L		UNV	10 UG/L		U			
PHENOL							20 UG/L		UR	10 UG/L		UR			
PYRENE							20 UG/L		UR	10 UG/L		U			

VOLATILES

1,1,1-TRICHLOROETHANE 110 UG/L NV 100 UG/L -

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

DRAFT
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SAMPLE NUMBER:	045968			045968			045968			045968			120399		
LAB:	IT			IT			IT			IT			TCT		
SUFFIX/FILTERFLAG:	NONE-FIL			DL-UNF			NONE-UNF			R-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)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE				500 UG/L		UR	5 UG/L		UJ						
1,1,2-TRICHLOROETHANE				500 UG/L		UR	5 UG/L		U						
1,1-DICHLOROETHANE				500 UG/L		UR	7 UG/L		-						
1,1-DICHLOROETHENE				120 UG/L		R	29 UG/L		-						
1,2-DICHLOROETHANE				500 UG/L		UR	5 UG/L		U						
1,2-DICHLOROETHENE (TOTAL)				500 UG/L		UR	14 UG/L		-						
1,2-DICHLOROPROPANE				500 UG/L		UR	5 UG/L		U						
2-BUTANONE				680 UG/L		R	10 UG/L		U						
2-HEXANONE				1000 UG/L		UR	10 UG/L		UJ						
4-METHYL-2-PENTANONE				1000 UG/L		UR	10 UG/L		UJ						
ACETONE				290 UG/L		NV	10 UG/L		U						
BENZENE				500 UG/L		UNV	5 UG/L		UJ						
BROMODICHLOROMETHANE				500 UG/L		UR	5 UG/L		U						
BROMOFORM				500 UG/L		UR	5 UG/L		U						
BROMOMETHANE				1000 UG/L		UR	10 UG/L		UJ						
CARBON DISULFIDE				500 UG/L		UR	5 UG/L		U						
CARBON TETRACHLORIDE				500 UG/L		UR	5 UG/L		U						
CHLOROBENZENE				500 UG/L		UR	5 UG/L		UJ						
CHLOROETHANE				1000 UG/L		UR	10 UG/L		U						
CHLOROFORM				500 UG/L		UNV	5 UG/L		U						
CHLOROMETHANE				1000 UG/L		UR	10 UG/L		U						
CIS-1,3-DICHLOROPROPENE				500 UG/L		U	5 UG/L		UJ						
DIBROMOCHLOROMETHANE				500 UG/L		UR	5 UG/L		U						
ETHYLBENZENE				500 UG/L		UR	5 UG/L		UJ						
METHYLENE CHLORIDE				360 UG/L		R	5 UG/L		U						
STYRENE				500 UG/L		UR	5 UG/L		UJ						
TETRACHLOROETHENE				260 UG/L		J	220 UG/L		R						
TOLUENE				500 UG/L		UR	1 UG/L		J						
TRANS-1,3-DICHLOROPROPENE				500 UG/L		UNV	5 UG/L		UJ						
TRICHLOROETHENE				9500 UG/L		R	2800 UG/L		R				2300 UG/L		-
VINYL ACETATE				1000 UG/L		UR	10 UG/L		UJ						
VINYL CHLORIDE				1000 UG/L		UR	10 UG/L		U						
XYLENES, TOTAL				500 UG/L		UR	5 UG/L		UJ						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120399	120399F	120501	120501F	120503
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	50.03.23
LAB:	TCT	TCT	CORE	CORE	FERMCO
WELL OR BORING NUMBER:	1324	1324	1324	1324	1324
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-JUL-93	10-JUL-93	10-JUL-93	10-JUL-93	10-JUL-93
NORTH COORDINATE:	480828.51	480828.51	480828.51	480828.51	480828.51
EAST COORDINATE:	1381681.83	1381681.83	1381681.83	1381681.83	1381681.83
QA TYPE:	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
QC OF:					
SUFFIX/FILTERFLAG:	NONE-UNF	NONE-FIL	NONE-UNF	NONE-FIL	NONE-UNF

	120399			120399F			120501			120501F			120503		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	670 MG/L		-												
AMMONIA	5.33 MG/L		-												
CHLORIDE	66.6 MG/L		-												
FLUORIDE	6.8 MG/L		-												
NITRITE, AS NITROGEN	9.94 MG/L		-												
PHENOLS	.005 MG/L		U												
PHOSPHATE	.0778 MG/L		R												
SULFATE	71.2 MG/L		-												
SULFIDE	1 MG/L		U												
TOTAL KJELDAHL NITROGEN	6.58 MG/L		-												
TOTAL ORGANIC CARBON	20.2 MG/L		J												
TOTAL ORGANIC HALIDES	.199 MG/L		J												
TOTAL ORGANIC NITROGEN	1.25 MG/L		-												
INORGANICS															
ALUMINUM	2.18 MG/L		-	.04 MG/L		U									
ANTIMONY	.014 MG/L		U	.014 MG/L		U									
ARSENIC	.0073 MG/L		-	.0076 MG/L		-									
BARIUM	.0914 MG/L		-	.0785 MG/L		-									
BERYLLIUM	.0068 MG/L		R	.005 MG/L		UR									
CADMIUM	.005 MG/L		U	.005 MG/L		U									
CALCIUM	207 MG/L		-	180 MG/L		-									
CHROMIUM	.14 MG/L		-	.121 MG/L		-									
COBALT	.02 MG/L		-	.017 MG/L		-									
COPPER	.364 MG/L		-	.298 MG/L		-									
CYANIDE	.0132 MG/L		-	.0138 MG/L		-									
IRON	3.54 MG/L		-	.022 MG/L		U									
LEAD	.0039 MG/L		-	.001 MG/L		U									
MAGNESIUM	41.5 MG/L		-	34.5 MG/L		-									
MANGANESE	1.1 MG/L		-	.902 MG/L		-									
MERCURY	.0001 MG/L		U	.0001 MG/L		U									

SAMPLE NUMBER:	120399			120399F			120501			120501F			120503		
LAB:	TCT			TCT			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															
MOLYBDENUM	.017 MG/L		UJ	.03 MG/L		J									
NICKEL	.0403 MG/L		J	.0267 MG/L		J									
POTASSIUM	12 MG/L		-	10.3 MG/L		-									
SELENIUM	.005 MG/L		UJ	.005 MG/L		UJ									
SILICON	10.5 MG/L		-	8.64 MG/L		-									
SILVER	.002 MG/L		U	.002 MG/L		U									
SODIUM	109 MG/L		-	104 MG/L		-									
THALLIUM	.001 MG/L		UJ	.001 MG/L		UJ									
VANADIUM	.244 MG/L		-	.215 MG/L		-									
ZINC	.018 MG/L		J	.006 MG/L		UJ									
RADIONUCLIDES															
URANIUM-238							73100 PCI/L	13200	R	781000 PCI/L	145000	R			
URANIUM, TOTAL							136000 UG/L	9540	J	129000 UG/L	9060	-	240000 UG/L		UNV
URANIUM-234							90300 PCI/L	16100	R	876000 PCI/L	161000	R			
THORIUM-230							.3 PCI/L	.3	-	.4 PCI/L	.2	J			
RADIUM-226							1 PCI/L	.2	UJ	1 PCI/L	.3	UJ			
URANIUM-235/236							2630 PCI/L	1030	R	68300 PCI/L	19800	R			
THORIUM-232							.2 PCI/L	.3	U	.2 PCI/L	.1	UJ			
RADIUM-228							3 PCI/L	1.1	U	3 PCI/L	1	UJ			
THORIUM-228							.6 PCI/L	.3	-	.6 PCI/L	.3	J			
TECHNETIUM-99							896.5 PCI/L	50.2	J	2290 PCI/L	126	J			
VOLATILES															
1,1,1-TRICHLOROETHANE	39 UG/L		-												
1,1,2,2-TETRACHLOROETHANE	10 UG/L		U												
1,1,2-TRICHLOROETHANE	10 UG/L		U												
1,1-DICHLOROETHANE	3 UG/L		J												
1,1-DICHLOROETHENE	7 UG/L		J												
1,2-DICHLOROETHANE	10 UG/L		U												
1,2-DICHLOROETHENE (TOTAL)	35 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												
CHLOROFORM	10 UG/L		U												

SAMPLE NUMBER:	120399			120399F			120501			120501F			120503		
LAB:	TCT			TCT			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															
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	150 UG/L		-												
TOLUENE	10 UG/L		U												
TRANS-1,3-DICHLOROPROPENE	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:	120503F			046686			046687			046687			066901		
TASK:	50.03.23			3.7			3.7			3.7			3.7		
LAB:	FERMCO			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1324			1324			1324			1324			1324		
DEPTH:	-			-			-			-			-6		
DATE COLLECTED:	10-JUL-93			17-JAN-90			20-APR-90			20-APR-90			25-JUL-90		
NORTH COORDINATE:	480828.51			480828.51			480828.51			480828.51			480828.51		
EAST COORDINATE:	1381681.83			1381681.83			1381681.83			1381681.83			1381681.83		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	VAL 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				51.1 MG/L		-									
INORGANICS															
ALUMINUM													8.57 MG/L		J
ANTIMONY													.31 MG/L		-
ARSENIC													.002 MG/L		UJ
BARIUM													.174 MG/L		-
BERYLLIUM													.0679 MG/L		-
CADMIUM													.0389 MG/L		-
CALCIUM													211 MG/L		-
CHROMIUM													2.14 MG/L		J
COBALT													.206 MG/L		-
COPPER													.36 MG/L		-
IRON													.569 MG/L		J
LEAD													.002 MG/L		UJ
MAGNESIUM													54 MG/L		-
MANGANESE													1.01 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.264 MG/L		-
POTASSIUM													7.11 MG/L		-
SELENIUM													.002 MG/L		UJ
SILVER													.801 MG/L		J
SODIUM													84 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM													.649 MG/L		-
ZINC													.0309 MG/L		-
PESTICIDES															
4,4'-DDD							.2 UG/L		U						
4,4'-DDE							.2 UG/L		U						

SAMPLE NUMBER:	120503F			046686			046687			046687			066901		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL		
	RESULT	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						
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						
HEPTACHLOR EPOXIDE							.1 UG/L		U						
METHOXYCHLOR							1 UG/L		U						
TOXAPHENE							2 UG/L		U						
RADIONUCLIDES															
URANIUM, TOTAL	220000 UG/L		NV	696000 UG/L	108000	-									
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		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		UJ			
2,6-DINITROTOLUENE										4 UG/L		J			
2-CHLORONAPHTHALENE										10 UG/L		UJ			
2-CHLOROPHENOL										10 UG/L		U			
2-METHYLNAPHTHALENE										10 UG/L		UJ			
2-METHYLPHENOL										10 UG/L		U			

SAMPLE NUMBER:	120503F			046686			046687			046687			066901		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	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		UJ			
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		UJ			
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										3 UG/L		J			
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										2 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			
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			

SAMPLE NUMBER:	120503F			046686			046687			046687			066901		
LAB:	FERMCO			IT			IT			IT			IT		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			DL-UNF			NONE-UNF			NONE-FIL		
	RESULT	SIGMA	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		UJ			
PHENOL										10 UG/L		U			
PYRENE										10 UG/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066901			066901			046688			045290			045291		
TASK:	3.7			3.7			3.7			3.7			3.7		
LAB:	IT			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1324			1324			1324			1332			1332		
DEPTH:	-6			-6			-			-			-		
DATE COLLECTED:	25-JUL-90			25-JUL-90			29-JUN-90			04-OCT-89			04-OCT-89		
NORTH COORDINATE:	480828.51			480828.51			480828.51			482077.01			482077.01		
EAST COORDINATE:	1381681.83			1381681.83			1381681.83			1380737.53			1380737.53		
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)
GENERAL CHEMISTRY															
NITRATE							39.3 MG/L		-				.1 MG/L		U
INORGANICS															
CYANIDE				.0085 MG/L		J									
PESTICIDES															
4,4'-DDD	.5 UG/L		U	.1 UG/L		UR									
4,4'-DDE	.5 UG/L		U	.1 UG/L		UR									
4,4'-DDT	.5 UG/L		U	.1 UG/L		UR									
ALDRIN	.25 UG/L		U	.05 UG/L		UR									
ALPHA-BHC	.25 UG/L		U	.05 UG/L		UR									
ALPHA-CHLORDANE	2.5 UG/L		U	.5 UG/L		UR									
AROCLOR-1016	2.5 UG/L		U	.5 UG/L		UR									
AROCLOR-1221	2.5 UG/L		U	.5 UG/L		UR									
AROCLOR-1232	2.5 UG/L		U	.5 UG/L		UR									
AROCLOR-1242	2.5 UG/L		U	.5 UG/L		UR									
AROCLOR-1248	2.5 UG/L		U	.5 UG/L		UR									
AROCLOR-1254	5 UG/L		U	1 UG/L		UR									
AROCLOR-1260	5 UG/L		U	1 UG/L		UR									
BETA-BHC	.25 UG/L		U	.05 UG/L		UR									
DELTA-BHC	.25 UG/L		U	.05 UG/L		UR									
DIELDRIN	.5 UG/L		U	.1 UG/L		UR									
ENDOSULFAN II	.5 UG/L		U	.1 UG/L		UR									
ENDOSULFAN SULFATE	.5 UG/L		U	.1 UG/L		UR									
ENDOSULFAN-I	.25 UG/L		U	.05 UG/L		UR									
ENDRIN	.5 UG/L		U	.1 UG/L		UR									
ENDRIN KETONE	.5 UG/L		U	.1 UG/L		UR									
GAMMA-BHC (LINDANE)	.25 UG/L		U	.05 UG/L		UR									
GAMMA-CHLORDANE	2.5 UG/L		U	.5 UG/L		UR									
HEPTACHLOR	.25 UG/L		U	.05 UG/L		UR									

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SAMPLE NUMBER:	066901			066901			046688			045290			045291		
LAB:	IT			IT			IT			IT			IT		
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															
HEPTACHLOR EPOXIDE	.25 UG/L		U	.05 UG/L		UR									
METHOXYCHLOR	2.5 UG/L		U	.5 UG/L		UR									
TOXAPHENE	5 UG/L		U	1 UG/L		UR									
RADIONUCLIDES															
URANIUM-238				121642 PCI/L	20826	J									
URANIUM, TOTAL				364993 UG/L	62559	J				10 UG/L	2	J			
URANIUM-234				127982 PCI/L	21902	J									
THORIUM-230				6.98 PCI/L	1.74	J									
RADIUM-226				1 PCI/L		U									
URANIUM-235/236				7494 PCI/L	1437	J									
THORIUM-232				3.13 PCI/L	1.13	J									
THORIUM, TOTAL				28 UG/L	10	J									
RADIUM-228				21.7 PCI/L	3.3	J									
THORIUM-228				4.07 PCI/L	1.29	J									
NEPTUNIUM-237				1 PCI/L		UJ									
PLUTONIUM-239/240				1 PCI/L		UJ									
PLUTONIUM-238				1 PCI/L		UJ									
TECHNETIUM-99				1762 PCI/L	183	J									
RUTHENIUM-106				220 PCI/L		R									
CESIUM-137				24.2 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		UJ									
2,6-DINITROTOLUENE				4 UG/L		J									
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		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:	066901			066901			046688			045290			045291		
LAB:	IT			IT			IT			IT			IT		
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															
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		UR									
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		UJ									
ISOPHORONE				10 UG/L		UJ									
N-NITROSO-DI-N-PROPYLAMINE				10 UG/L		UR									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		UR									
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	500 UG/L		UR	140 UG/L		-									

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	066901			066901			046688			045290			045291		
LAB:	IT			IT			IT			IT			IT		
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)
VOLATILES															
1,1,2,2-TETRACHLOROETHANE	500 UG/L		UR	5 UG/L		U									
1,1,2-TRICHLOROETHANE	500 UG/L		UR	2 UG/L		J									
1,1-DICHLOROETHANE	500 UG/L		UR	7 UG/L		-									
1,1-DICHLOROETHENE	500 UG/L		UR	35 UG/L		-									
1,2-DICHLOROETHANE	500 UG/L		UR	5 UG/L		U									
1,2-DICHLOROETHENE (TOTAL)	500 UG/L		UR	22 UG/L		-									
1,2-DICHLOROPROPANE	500 UG/L		UR	5 UG/L		U									
2-BUTANONE	360 UG/L		R	10 UG/L		U									
2-HEXANONE	1000 UG/L		UR	10 UG/L		U									
4-METHYL-2-PENTANONE	1000 UG/L		UR	10 UG/L		U									
ACETONE	150 UG/L		R	10 UG/L		U									
BENZENE	500 UG/L		UR	5 UG/L		U									
BROMODICHLOROMETHANE	500 UG/L		UR	5 UG/L		U									
BROMOFORM	500 UG/L		UR	5 UG/L		U									
BROMOMETHANE	1000 UG/L		UR	10 UG/L		U									
CARBON DISULFIDE	500 UG/L		UR	5 UG/L		U									
CARBON TETRACHLORIDE	500 UG/L		UR	5 UG/L		U									
CHLOROBENZENE	500 UG/L		UR	5 UG/L		U									
CHLOROETHANE	1000 UG/L		UR	10 UG/L		U									
CHLOROFORM	500 UG/L		UR	5 UG/L		U									
CHLOROMETHANE	1000 UG/L		UR	10 UG/L		U									
CIS-1,3-DICHLOROPROPENE	500 UG/L		UR	5 UG/L		U									
DIBROMOCHLOROMETHANE	500 UG/L		UR	5 UG/L		U									
ETHYLBENZENE	500 UG/L		UR	5 UG/L		U									
METHYLENE CHLORIDE	360 UG/L		R	6 UG/L		U									
STYRENE	500 UG/L		UR	5 UG/L		U									
TETRACHLOROETHENE	260 UG/L		J	350 UG/L		R									
TOLUENE	500 UG/L		UR	5 UG/L		U									
TRANS-1,3-DICHLOROPROPENE	500 UG/L		UR	5 UG/L		U									
TRICHLOROETHENE	12000 UG/L		-	6400 UG/L		R									
VINYL ACETATE	1000 UG/L		UR	10 UG/L		U									
VINYL CHLORIDE	1000 UG/L		UR	10 UG/L		U									
XYLENES, TOTAL	500 UG/L		UR	5 UG/L		U									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045938			GW930417-2			GW930417-2			GW930417-2			GW930417-2		
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:	1332			1332			1332			1332			1332		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-FEB-90			17-APR-93			17-APR-93			17-APR-93			17-APR-93		
NORTH COORDINATE:	482077.01			482077.01			482077.01			482077.01			482077.01		
EAST COORDINATE:	1380737.53			1380737.53			1380737.53			1380737.53			1380737.53		
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				.9 PCI/L	.3	J	.6 PCI/L	.2	J						
URANIUM, TOTAL	16.2 UG/L	3	-	.1 UG/L	.01	U	12.1 UG/L	.8	J	1.4 UG/L		NV	4.2 UG/L		NV
URANIUM-234				.8 PCI/L	.3	J	.6 PCI/L	.2	J						
THORIUM-230				.3 PCI/L	.3	J	.2 PCI/L	.1	UJ						
RADIUM-226				1 PCI/L	.3	UJ	2.9 PCI/L	.6	J						
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				8.5 PCI/L	1.6	-	3.6 PCI/L	1.2	-						
THORIUM-228				.3 PCI/L	.1	J	.3 PCI/L	.1	UJ						
TECHNETIUM-99				15 PCI/L	7.6	U	15 PCI/L	7	UJ						
GROSS ALPHA				9.9 PCI/L	3.7	NV	43.4 PCI/L	21.5	NV						
GROSS BETA				11.1 PCI/L	6.6	UNV	95.3 PCI/L	20.1	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930417-2	GW930417-2	GW930127-1	GW930127-1	GW930127-1
TASK:	50.03.23	50.03.23	RCRA	RCRA	RCRA
LAB:	NET	NET	CORE	NET	NET
WELL OR BORING NUMBER:	1332	1332	1332	1332	1332
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-APR-93	17-APR-93	27-JAN-93	27-JAN-93	27-JAN-93
NORTH COORDINATE:	482077.01	482077.01	482077.01	482077.01	482077.01
EAST COORDINATE:	1380737.53	1380737.53	1380737.53	1380737.53	1380737.53
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				456 MG/L		-							457 MG/L		NV
ALLYL CHLORIDE													5 UG/L		UNV
AMMONIA				.23 MG/L		UJ							.28 MG/L		NV
BICARBONATE ALKALINITY				689 MG/L		-							543 MG/L		NV
CARBONATE ALKALINITY				3 MG/L		U							3 MG/L		UNV
CHLORIDE				698 MG/L		-							722 MG/L		NV
FLUORIDE				.42 MG/L		-							.43 MG/L		NV
NITRATE				.02 MG/L		-							.02 MG/L		UNV
NITRATE/NITRITE				.02 MG/L		-									
NITRITE, AS NITROGEN													.02 MG/L		UNV
PH				7.05 SU		-							6.81 SU		NV
PHENOLS				.01 MG/L		U							.01 MG/L		UNV
PHOSPHORUS				.21 MG/L		J							.1 MG/L		UNV
SPECIFIC CONDUCTIVITY				2660 UMHOS/CM		-							3190 UMHOS/CM		NV
SULFATE				42 MG/L		J							59 MG/L		NV
TOTAL DISSOLVED SOLIDS	1730 MG/L		-							1710 MG/L		NV			
TOTAL KJELDAHL NITROGEN				2.63 MG/L		-									
TOTAL ORGANIC CARBON				19 MG/L		-							22 MG/L		NV
TOTAL ORGANIC HALIDES													.014 MG/L		NV
TOTAL ORGANIC HALOGENS				.01 MG/L		U									
TOTAL ORGANIC NITROGEN				2.4 MG/L		-									
TOTAL SOLIDS				4800 MG/L		-							2150 MG/L		NV
INORGANICS															
ALUMINUM	.0452 MG/L		J	10.9 MG/L		J				.2 MG/L		UNV	6.18 MG/L		NV
ANTIMONY	.045 MG/L		U	.135 MG/L		-				.02 MG/L		UNV	.02 MG/L		UNV
ARSENIC	.002 MG/L		U	.0056 MG/L		-				.005 MG/L		UNV	.0066 MG/L		NV
BARIUM	.12 MG/L		-	.22 MG/L		-				.36 MG/L		NV	.35 MG/L		NV
BERYLLIUM	.001 MG/L		U	.001 MG/L		U				.005 MG/L		UNV	.005 MG/L		UNV
CADMIUM	.003 MG/L		U	.0046 MG/L		-				.001 MG/L		UNV	.001 MG/L		UNV
CALCIUM	173 MG/L		-	452 MG/L		-				211 MG/L		NV	259 MG/L		NV

SAMPLE NUMBER:	GW930417-2			GW930417-2			GW930127-1			GW930127-1			GW930127-1		
LAB:	NET			NET			CORE			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															
CHROMIUM	.005 MG/L		U	.0138 MG/L		-				.002 MG/L		UNV	.0116 MG/L		NV
COBALT	.008 MG/L		U	.0293 MG/L		-				.005 MG/L		UNV	.0115 MG/L		NV
COPPER	.0064 MG/L		U	.0246 MG/L		U				.02 MG/L		UNV	.02 MG/L		UNV
CYANIDE	.01 MG/L		UJ	.01 MG/L		UJ							.005 MG/L		UNV
IRON	1.3 MG/L		J	20 MG/L		J				1.88 MG/L		NV	13.1 MG/L		NV
LEAD	.001 MG/L		UJ	.0167 MG/L		U				.003 MG/L		UNV	.0064 MG/L		NV
MAGNESIUM	45.8 MG/L		-	135 MG/L		-				58.1 MG/L		NV	69.8 MG/L		NV
MANGANESE	2.83 MG/L		-	4.19 MG/L		-				4.1 MG/L		NV	4.33 MG/L		NV
MERCURY	.0002 MG/L		U	.0002 MG/L		U				.0002 MG/L		UNV	.0002 MG/L		UNV
MOLYBDENUM										.01 MG/L		UNV	.01 MG/L		UNV
NICKEL	.02 MG/L		U	.022 MG/L		-				.01 MG/L		UNV	.017 MG/L		NV
POTASSIUM	1.85 MG/L		-	5.33 MG/L		-							5 MG/L		NV
SELENIUM	.0012 MG/L		J	.0023 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	255 MG/L		-	283 MG/L		-							340 MG/L		NV
THALLIUM	.01 MG/L		UJ	.01 MG/L		UJ				.01 MG/L		UNV	.01 MG/L		UNV
VANADIUM	.003 MG/L		U	.0176 MG/L		-				.05 MG/L		UNV	.05 MG/L		UNV
ZINC	.0147 MG/L		U	.0717 MG/L		U				.02 MG/L		UNV	.034 MG/L		NV
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							1.7 UG/L		NV						
THORIUM-230							.5 PCI/L	.2	NV						
RADIUM-226							1.3 PCI/L	.4	NV						
THORIUM-232							.2 PCI/L	.1	UNV						
THORIUM, TOTAL							1.5 UG/L		NV						
RADIUM-228							3 PCI/L	1.3	UNV						
THORIUM-228							.3 PCI/L	.2	NV						

SAMPLE NUMBER:	GW930417-2			GW930417-2			GW930127-1			GW930127-1			GW930127-1		
LAB:	NET			NET			CORE			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															
GROSS ALPHA							3.5 PCI/L	9.9	NV						
GROSS BETA							1.6 PCI/L	10.2	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		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							10 UG/L		UNV
2-HEXANONE				10 UG/L		U							10 UG/L		UNV
4-METHYL-2-PENTANONE				10 UG/L		U							10 UG/L		UNV
ACETONE				10 UG/L		UJ							10 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							5 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							10 UG/L		UNV
CHLOROFORM				10 UG/L		U							1 UG/L		UNV
CHLOROMETHANE				10 UG/L		U							10 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							10 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
TRICHLOROFLUOROMETHANE													1 UG/L		UNV
VINYL ACETATE													10 UG/L		UNV
VINYL CHLORIDE				10 UG/L		U							5 UG/L		UNV
XYLENES, TOTAL				10 UG/L		U							1 UG/L		UNV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045292			045293			045942			GW930527-1			GW930527-1		
TASK:	3.7			3.7			3.7			50.03.23			50.03.23		
LAB:	IT			IT			IT			CORE			CORE		
WELL OR BORING NUMBER:	1336			1336			1336			1336			1336		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	04-OCT-89			04-OCT-89			05-FEB-90			27-MAY-93			27-MAY-93		
NORTH COORDINATE:	481829.27			481829.27			481829.27			481829.27			481829.27		
EAST COORDINATE:	1380728.87			1380728.87			1380728.87			1380728.87			1380728.87		
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				1.01 MG/L		-	1.07 MG/L		-						
RADIONUCLIDES															
URANIUM-238										18.5 PCI/L	3.2	J	51.2 PCI/L	4.3	-
URANIUM, TOTAL	127 UG/L	19	-				165 UG/L	26	-	166 UG/L	11.6	-	158 UG/L	11.1	-
URANIUM-234										13.4 PCI/L	2.3	J	44.9 PCI/L	3.8	-
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										.4 PCI/L	.2	J	1.7 PCI/L	.4	-
THORIUM-232										.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ
THORIUM, TOTAL													.9120244 PCI/L	.2	NV
RADIUM-228										3 PCI/L	.9	UJ	8.7 PCI/L	1.8	-
THORIUM-228										.2 PCI/L	.3	UJ	.2 PCI/L	.2	UJ
TECHNETIUM-99										15.1 PCI/L	8.7	-	15 PCI/L	7.8	U
GROSS ALPHA										55.1 PCI/L	4.4	NV	57.2 PCI/L	6.2	NV
GROSS BETA										33 PCI/L	2.4	NV	66.3 PCI/L	4.4	NV

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930527-1	GW930527-1	GW930527-1	GW930527-1	045307
TASK:	50.03.23	50.03.23	50.03.23	50.03.23	3.7
LAB:	FERMCO	FERMCO	LOCKHEED	LOCKHEED	IT
WELL OR BORING NUMBER:	1336	1336	1336	1336	1337
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-MAY-93	27-MAY-93	27-MAY-93	27-MAY-93	05-OCT-89
NORTH COORDINATE:	481829.27	481829.27	481829.27	481829.27	481637.29
EAST COORDINATE:	1380728.87	1380728.87	1380728.87	1380728.87	1380009.42
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										52 MG/L		-			
FLUORIDE										.22 MG/L		-			
NITRATE/NITRITE										1.7 MG/L		-			
PH										7.4 SU		-			
PHENOLS										.15 MG/L		U			
PHOSPHORUS										.24 MG/L		-			
SPECIFIC CONDUCTIVITY										840 UMHOS/CM		-			
SULFATE										69 MG/L		-			
TOTAL DISSOLVED SOLIDS							470 MG/L		-						
TOTAL ORGANIC CARBON										1.8 MG/L		-			
TOTAL ORGANIC HALIDES										.045 MG/L		U			
TOTAL ORGANIC NITROGEN										.36 MG/L		J			
TOTAL SOLIDS										930 MG/L		-			
INORGANICS															
ALUMINUM							.024 MG/L		U	3.59 MG/L		-			
ANTIMONY							.027 MG/L		U	.027 MG/L		U			
ARSENIC							.002 MG/L		U	.002 MG/L		U			
BARIUM							.1 MG/L		-	.133 MG/L		-			
BERYLLIUM							.001 MG/L		U	.001 MG/L		U			
CADMIUM							.002 MG/L		U	.002 MG/L		U			
CALCIUM							116 MG/L		-	139 MG/L		-			
CHROMIUM							.004 MG/L		U	.004 MG/L		U			
COBALT							.005 MG/L		U	.005 MG/L		U			
COPPER							.003 MG/L		U	.0109 MG/L		-			
CYANIDE							.02 MG/L		UJ	.02 MG/L		U			
IRON							.005 MG/L		U	6.83 MG/L		-			

SAMPLE NUMBER:	GW930527-1			GW930527-1			GW930527-1			GW930527-1			045307		
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															
LEAD							.0027 MG/L		UJ	.004 MG/L		-			
MAGNESIUM							32.8 MG/L		-	40.6 MG/L		-			
MANGANESE							.146 MG/L		-	.568 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	.0131 MG/L		-			
POTASSIUM							1 MG/L		U	2.04 MG/L		-			
SELENIUM							.001 MG/L		U	.002 MG/L		U			
SILVER							.004 MG/L		U	.004 MG/L		U			
SODIUM							33.7 MG/L		-	35 MG/L		-			
THALLIUM							.001 MG/L		UJ	.001 MG/L		U			
VANADIUM							.004 MG/L		U	.0051 MG/L		-			
ZINC							.003 MG/L		U	.0383 MG/L		-			
RADIONUCLIDES															
URANIUM, TOTAL	150 UG/L		NV	150 UG/L		NV							689 UG/L	92	-
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			

SAMPLE NUMBER:	GW930527-1			GW930527-1			GW930527-1			GW930527-1			045307		
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															
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 1 WELLS

SAMPLE NUMBER:	045308	045947	045948	120437	EMGW_SYSGEN_322
TASK:	3.7	3.7	3.7	50.03.07	GWMON
LAB:	IT	IT	IT	IT	NET
WELL OR BORING NUMBER:	1337	1337	1337	1339	1339
DEPTH:	-	-	-	-	-
DATE COLLECTED:	05-OCT-89	13-JUL-90	13-JUL-90	07-JUL-93	11-OCT-90
NORTH COORDINATE:	481637.29	481637.29	481637.29	481614.27	481614.27
EAST COORDINATE:	1380009.42	1380009.42	1380009.42	1380504.33	1380504.33
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															
ALKALINITY AS CACO3										310.4 MG/L		-			
AMMONIA										.1 MG/L		U			
CHLORIDE										100.38 MG/L		-			
FLUORIDE										.38 MG/L		-			
NITRATE	4.01 MG/L		-				5.52 MG/L		J	.34 MG/L		-			
PHENOLS										.01 MG/L		U			
PHOSPHORUS										1.78 MG/L		-			
SULFATE										22.5 MG/L		-			
SULFIDE										.5 MG/L		U			
TOTAL KJELDAHL NITROGEN										.44 MG/L		-			
TOTAL ORGANIC CARBON										3.67 MG/L		-			
TOTAL ORGANIC HALIDES										.0409 MG/L		-			
TOTAL ORGANIC NITROGEN										.44 MG/L		-			
INORGANICS															
ALUMINUM										.15 MG/L		U	.5 MG/L		UNV
ANTIMONY										.005 MG/L		U	.025 MG/L		UNV
ARSENIC										.002 MG/L		U	.0025 MG/L		UNV
BARIUM										.0692 MG/L		-	.2 MG/L		UNV
BERYLLIUM										.002 MG/L		U	.01 MG/L		UNV
CADMIUM										.005 MG/L		UJ	.001 MG/L		UNV
CALCIUM										85.6 MG/L		-	61.1 MG/L		NV
CHROMIUM										.01 MG/L		U			
COBALT										.01 MG/L		U	.025 MG/L		UNV
COPPER										.01 MG/L		U	.025 MG/L		UNV
CYANIDE										.002 MG/L		UJ			
IRON										.02 MG/L		U	.1 MG/L		NV
LEAD										.002 MG/L		U	.005 MG/L		UNV
MAGNESIUM										21.7 MG/L		-	10 MG/L		NV
MANGANESE										.381 MG/L		-	.282 MG/L		NV
MERCURY										.0002 MG/L		U	.0002 MG/L		UNV

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SAMPLE NUMBER:	045308			045947			045948			120437			EMGW_SYSGEN_322		
LAB:	IT			IT			IT			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															
MOLYBDENUM										.02 MG/L		U	.025 MG/L		UNV
NICKEL										.02 MG/L		UJ	.005 MG/L		UNV
POTASSIUM										2.64 MG/L		-	2.68 MG/L		NV
SELENIUM										.002 MG/L		U	.0025 MG/L		UNV
SILICON										8.15 MG/L		-			
SILVER										.01 MG/L		U	.001 MG/L		UNV
SODIUM										100 MG/L		-	41.6 MG/L		NV
THALLIUM										.002 MG/L		U	.01 MG/L		UNV
VANADIUM										.01 MG/L		U	.05 MG/L		UNV
ZINC										.005 MG/L		U	.02 MG/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										.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										207 PCI/L	43	-			
URANIUM, TOTAL				757 UG/L	100	R				604 UG/L	84	-			
URANIUM-234										189 PCI/L	39	-			

SAMPLE NUMBER:	045308			045947			045948			120437			EMGW_SYSGEN_322		
LAB:	IT			IT			IT			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)
RADIONUCLIDES															
THORIUM-230										2.22 PCI/L	.65	J			
RADIUM-226										2.36 PCI/L	.6	J			
URANIUM-235/236										9.59 PCI/L	2.55	-			
THORIUM-232										.4496 PCI/L	.2228	J			
THORIUM, TOTAL										4.1 UG/L	2.03	J			
RADIUM-228										3 PCI/L	.98	UJ			
THORIUM-228										.42 PCI/L	.24	J			
NEPTUNIUM-237										.5 PCI/L		UJ			
PLUTONIUM-239/240										.5 PCI/L		UJ			
PLUTONIUM-238										.5 PCI/L	.0899	UJ			
STRONTIUM-90										1.01 PCI/L	.449	J			
TECHNETIUM-99										15 PCI/L		UJ			
RUTHENIUM-106										150 PCI/L		UJ			
CESIUM-137										18 PCI/L		UJ			
GROSS ALPHA										199 PCI/L	26	NV			
GROSS BETA										111 PCI/L	13	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										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		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			

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SAMPLE NUMBER:	045308			045947			045948			120437			EMGW_SYSGEN_322		
LAB:	IT			IT			IT			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)
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										3 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										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										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		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			

SAMPLE NUMBER:	045308			045947			045948			120437			EMGW_SYSGEN_322		
LAB:	IT			IT			IT			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															
1,1-DICHLOROETHANE										1 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		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										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										21 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:	EMGW_SYSGEN_322	046973	046974	099108	099108
TASK:	GWMON	3.7	3.7	50.03.07	50.03.07
LAB:	NET	IT	IT-KNOX	IT-KNOX	IT-KNOX
WELL OR BORING NUMBER:	1339	1339	1339	1339	1339
DEPTH:	-	-	-	-	-
DATE COLLECTED:	11-OCT-90	13-JUL-90	13-JUL-90	17-DEC-92	17-DEC-92
NORTH COORDINATE:	481614.27	481614.27	481614.27	481614.27	481614.27
EAST COORDINATE:	1380504.33	1380504.33	1380504.33	1380504.33	1380504.33
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	.09 MG/L		NV												
CHLORIDE	114 MG/L		NV												
FLUORIDE	3.03 MG/L		NV												
NITRATE	.32 MG/L		NV				.1 MG/L		U						
NITRATE/NITRITE	.32 MG/L		NV												
PHOSPHORUS	3.42 MG/L		NV												
SULFATE	46 MG/L		NV												
INORGANICS															
ALUMINUM	42 MG/L		NV							.466 MG/L		-			
ANTIMONY	.025 MG/L		UNV							.0074 MG/L		J			
ARSENIC	.069 MG/L		NV							.002 MG/L		UJ			
BARIUM	.562 MG/L		NV							.059 MG/L		-			
BERYLLIUM	.01 MG/L		UNV							.002 MG/L		U			
CADMIUM	.001 MG/L		NV							.005 MG/L		U			
CALCIUM	307 MG/L		NV							78.6 MG/L		-			
CHROMIUM	.127 MG/L		NV							.01 MG/L		U			
COBALT	.028 MG/L		NV							.01 MG/L		U			
COPPER	.169 MG/L		NV							.01 MG/L		U			
CYANIDE	.005 MG/L		UNV										.002 MG/L		U
IRON	223 MG/L		NV							.953 MG/L		-			
LEAD	.127 MG/L		NV							.002 MG/L		U			
MAGNESIUM	133 MG/L		NV							20.6 MG/L		-			
MANGANESE	3.61 MG/L		NV							.244 MG/L		-			
MERCURY	.0002 MG/L		UNV							.0002 MG/L		U			
MOLYBDENUM	.025 MG/L		UNV							.02 MG/L		U			
NICKEL	.139 MG/L		NV							.02 MG/L		U			
POTASSIUM	15.3 MG/L		NV							2.19 MG/L		-			
SELENIUM	.004 MG/L		NV							.002 MG/L		U			
SILICON										7.39 MG/L		-			
SILVER	.001 MG/L		UNV							.01 MG/L		U			

SAMPLE NUMBER:	EMGW_SYSGEN_322			046973			046974			099108			099108		
LAB:	NET			IT			IT-KNOX			IT-KNOX			IT-KNOX		
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															
SODIUM	120 MG/L		NV							90.2 MG/L		-			
THALLIUM	.01 MG/L		UNV							.002 MG/L		U			
VANADIUM	.25 MG/L		NV							.01 MG/L		U			
ZINC	.715 MG/L		NV							.0106 MG/L		-			
No sort code listed.															
3-METHYLPHENOL	4 UG/L		UNV												
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										.1 UG/L		U
ENDOSULFAN II	.2 UG/L		UNV										.1 UG/L		U
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										.1 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, TOTAL				100 UG/L	13	R									

SEMIVOLATILES

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

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	EMGW_SYSGEN_322			046973			046974			099108			099108		
LAB:	NET			IT			IT-KNOX			IT-KNOX			IT-KNOX		
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
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
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		U
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		U
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		UJ
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		UJ
BIS(2-ETHYLHEXYL)PHTHALATE	4 UG/L		UNV										10 UG/L		U
BUTYL BENZYL PHTHALATE	4 UG/L		UNV										10 UG/L		U
CHRYSENE	4 UG/L		UNV										10 UG/L		U

SAMPLE NUMBER:	EMGW_SYSGEN_322			046973			046974			099108			099108		
LAB:	NET			IT			IT-KNOX			IT-KNOX			IT-KNOX		
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-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
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										10 UG/L		U
N-NITROSO-DI-N-PROPYLAMINE	4 UG/L		UNV										10 UG/L		U
N-NITROSODIPHENYLAMINE	4 UG/L		UNV										10 UG/L		U
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		U
PENTACHLOROPHENOL	4 UG/L		UNV										50 UG/L		U
PHENANTHRENE	4 UG/L		UNV										10 UG/L		U
PHENOL	4 UG/L		UNV										10 UG/L		U
PYRENE	4 UG/L		UNV										10 UG/L		U
TRIBUTYL PHOSPHATE													60 UG/L		-
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	1.1 UG/L		NV										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		UJ
4-METHYL-2-PENTANONE	2 UG/L		UNV										10 UG/L		UJ
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	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		UJ

SAMPLE NUMBER:	EMGW_SYSGEN_322			046973			046974			099108			099108		
LAB:	NET			IT			IT-KNOX			IT-KNOX			IT-KNOX		
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										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		UJ
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										10 UG/L		UJ
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 1 WELLS

SAMPLE NUMBER:	099108			045403			045404			045405			045406		
TASK:	50.03.07			3.7			3.7			3.7			3.7		
LAB:	IT/RSL			IT			IT			IT			IT		
WELL OR BORING NUMBER:	1339			1339			1339			1339			1339		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	17-DEC-92			17-OCT-89			17-OCT-89			17-OCT-89			17-OCT-89		
NORTH COORDINATE:	481614.27			481614.27			481614.27			481614.27			481614.27		
EAST COORDINATE:	1380504.33			1380504.33			1380504.33			1380504.33			1380504.33		
QA TYPE:	NORMAL			NORMAL			NORMAL			DUPLICATE			DUPLICATE		
QC OF:										045403			045404		
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		-				.12 MG/L		-
RADIONUCLIDES															
URANIUM-238	197 PCI/L	36	R												
URANIUM, TOTAL	570 UG/L	78	J	441 UG/L	61	-				440 UG/L	64	-			
URANIUM-234	200 PCI/L	37	R												
RADIUM-226	1 PCI/L		UJ												
URANIUM-235/236	9.53 PCI/L	2.41	R												
RADIUM-228	3.7 PCI/L		UJ												
NEPTUNIUM-237	.5 PCI/L	.05	UJ												
PLUTONIUM-239/240	.5 PCI/L	.06	UJ												
PLUTONIUM-238	.5 PCI/L	.07	UJ												
STRONTIUM-90	1 PCI/L		UJ												
TECHNETIUM-99	17 PCI/L		UJ												
RUTHENIUM-106	150 PCI/L		UJ												
CESIUM-137	15 PCI/L		UJ												
GROSS ALPHA	504 PCI/L	64	NV												
GROSS BETA	194 PCI/L	22	NV												

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930526-4			GW930526-4			GW930526-4			GW930526-4			GW930526-4		
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:	1339			1339			1339			1339			1339		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	26-MAY-93			26-MAY-93			26-MAY-93			26-MAY-93			26-MAY-93		
NORTH COORDINATE:	481614.27			481614.27			481614.27			481614.27			481614.27		
EAST COORDINATE:	1380504.33			1380504.33			1380504.33			1380504.33			1380504.33		
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													607 MG/L		-
INORGANICS															
ALUMINUM													.02 MG/L		U
ANTIMONY													.045 MG/L		U
ARSENIC													.002 MG/L		U
BARIUM													.0583 MG/L		-
BERYLLIUM													.001 MG/L		U
CADMIUM													.003 MG/L		U
CALCIUM													75.5 MG/L		-
CHROMIUM													.005 MG/L		U
COBALT													.008 MG/L		U
COPPER													.0082 MG/L		U
CYANIDE													.01 MG/L		U
IRON													.015 MG/L		U
LEAD													.001 MG/L		U
MAGNESIUM													20.4 MG/L		-
MANGANESE													.306 MG/L		-
MERCURY													.0002 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													1.87 MG/L		-
SELENIUM													.001 MG/L		U
SILVER													.007 MG/L		U
SODIUM													93.6 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM													.003 MG/L		U
ZINC													.006 MG/L		U
RADIONUCLIDES															
URANIUM-238	253 PCI/L	53.4	J	219 PCI/L	28.4	J									

SAMPLE NUMBER:	GW930526-4			GW930526-4			GW930526-4			GW930526-4			GW930526-4		
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)
RADIONUCLIDES															
URANIUM, TOTAL	639 UG/L	44.7	-	670 UG/L	46.9	-	720 UG/L		NV	800 UG/L		NV			
URANIUM-234	2200 PCI/L	425.2	J	208 PCI/L	27.1	J									
THORIUM-230	.2 PCI/L	.2	UJ	.3 PCI/L	.2	UJ									
RADIUM-226	1 PCI/L	.4	UJ	2.9 PCI/L	.4	J									
URANIUM-235/236	66.7 PCI/L	17.3	J	10 PCI/L	3	J									
THORIUM-232	.2 PCI/L	.2	UJ	.2 PCI/L	.2	UJ									
THORIUM, TOTAL				1.8240488 PCI/L	.2	NV									
RADIUM-228	3 PCI/L	.9	UJ	6.7 PCI/L	1.9	-									
THORIUM-228	.2 PCI/L	.3	UJ	.4 PCI/L	.2	J									
TECHNETIUM-99	68.2 PCI/L	10.9	-	69.2 PCI/L	9.4	-									
GROSS ALPHA	214 PCI/L	9.2	NV	362 PCI/L	26.8	NV									
GROSS BETA	183 PCI/L	5	NV	331 PCI/L	17	NV									

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930526-4	EMGW_SYSGEN_323	EMGW_SYSGEN_323	EMGW_SYSGEN_323	045297
TASK:	50.03.23	GWMON	GWMON	GWMON	3.7
LAB:	NET	IT	NET	NET	IT
WELL OR BORING NUMBER:	1339	1339	1339	1339	1340
DEPTH:	-	-	-	-	-
DATE COLLECTED:	26-MAY-93	27-FEB-91	27-FEB-91	27-FEB-91	05-OCT-89
NORTH COORDINATE:	481614.27	481614.27	481614.27	481614.27	481618.58
EAST COORDINATE:	1380504.33	1380504.33	1380504.33	1380504.33	1380734.93
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		UNV			
GENERAL CHEMISTRY															
ALKALINITY AS CACO3	308 MG/L		-							300 MG/L		NV			
ALLYL CHLORIDE										20 UG/L		UNV			
AMMONIA	.02 MG/L		UJ							.07 MG/L		NV			
BICARBONATE ALKALINITY	403 MG/L		-												
CARBONATE ALKALINITY	3 MG/L		U												
CHLORIDE	130 MG/L		-							78 MG/L		NV			
FLUORIDE	.36 MG/L		-							.27 MG/L		NV			
NITRATE, AS NITROGEN										.58 MG/L		NV			
NITRATE/NITRITE	.51 MG/L		-												
PH	7.32 SU		-							7.32 SU		NV			
PHENOLS	.015 MG/L		-							.006 MG/L		NV			
PHOSPHORUS	.16 MG/L		J							1.67 MG/L		NV			
SPECIFIC CONDUCTIVITY	923 UMHOS/CM		-							871 UMHOS/CM		NV			
SULFATE	58 MG/L		-							70 MG/L		NV			
SULFIDE										.2 MG/L		UNV			
TOTAL DISSOLVED SOLIDS										510 MG/L		NV			
TOTAL KJELDAHL NITROGEN	.7 MG/L		-												
TOTAL ORGANIC CARBON	6 MG/L		-							30 MG/L		NV			
TOTAL ORGANIC HALIDES	.01 MG/L		U												
TOTAL ORGANIC HALOGENS										.01 MG/L		UNV			
TOTAL ORGANIC NITROGEN	.7 MG/L		-												
TOTAL SOLIDS	1660 MG/L		-												
HERBICIDES															
2,4,5-T										2.5 UG/L		UNV			
2,4,5-TP (SILVEX)										2.5 UG/L		UNV			
2,4-D										5 UG/L		UNV			

SAMPLE NUMBER:	GW930526-4			EMGW_SYSGEN_323			EMGW_SYSGEN_323			EMGW_SYSGEN_323			045297		
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															
ALUMINUM	26.1 MG/L		-				.5 MG/L		UNV	57.1 MG/L		NV			
ANTIMONY	.045 MG/L		U				.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC	.0044 MG/L		-				.0025 MG/L		UNV	.038 MG/L		NV			
BARIUM	.186 MG/L		-				.2 MG/L		UNV	.385 MG/L		NV			
BERYLLIUM	.001 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM	.003 MG/L		UJ				.001 MG/L		UNV	.001 MG/L		UNV			
CALCIUM	205 MG/L		-				63.7 MG/L		NV	287 MG/L		NV			
CHROMIUM	.0356 MG/L		-							.005 MG/L		UNV			
COBALT	.0113 MG/L		-				.025 MG/L		UNV	.025 MG/L		UNV			
COPPER	.0333 MG/L		UJ				.025 MG/L		UNV	.101 MG/L		NV			
CYANIDE	.01 MG/L		U							.005 MG/L		UNV			
IRON	44.6 MG/L		-				.05 MG/L		UNV	110 MG/L		NV			
LEAD	.0256 MG/L		U				.005 MG/L		UNV	.029 MG/L		NV			
MAGNESIUM	62.8 MG/L		-				21 MG/L		NV	88 MG/L		NV			
MANGANESE	1.3 MG/L		-				.133 MG/L		NV	3.01 MG/L		NV			
MERCURY	.0002 MG/L		UR				.0002 MG/L		UNV	.0002 MG/L		UNV			
MOLYBDENUM							.025 MG/L		UNV	.025 MG/L		UNV			
NICKEL	.02 MG/L		UJ				.005 MG/L		UNV	.103 MG/L		NV			
POTASSIUM	9.27 MG/L		-				1.37 MG/L		NV	11.5 MG/L		NV			
SELENIUM	.0016 MG/L		UJ				.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER	.007 MG/L		UR				.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM	85.4 MG/L		-				81 MG/L		NV	83 MG/L		NV			
THALLIUM	.01 MG/L		U				.01 MG/L		UNV	.01 MG/L		UNV			
TIN							1 MG/L		UNV	1 MG/L		UNV			
VANADIUM	.0274 MG/L		-				.05 MG/L		UNV	.416 MG/L		NV			
ZINC	.2 MG/L		U				.027 MG/L		NV	.464 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			

SAMPLE NUMBER:	GW930526-4			EMGW_SYSGEN_323			EMGW_SYSGEN_323			EMGW_SYSGEN_323			045297		
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)
No sort code listed.															
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			
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										2.5 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			

ORGANOPHOSPHORUS PESTICIDES

DIMETHOATE 15 UG/L UNV

10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930526-4			EMGW_SYSGEN_323			EMGW_SYSGEN_323			EMGW_SYSGEN_323			045297		
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)
ORGANOPHOSPHORUS PESTICIDES															
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			
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				189 PCI/L		NV									
URANIUM, TOTAL				533 UG/L		NV							32 UG/L	7	
URANIUM-234				177 PCI/L		NV									

SAMPLE NUMBER:	GW930526-4			EMGW_SYSGEN_323			EMGW_SYSGEN_323			EMGW_SYSGEN_323			045297		
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															
THORIUM-230				1.87 PCI/L		NV									
RADIUM-226				3.42 PCI/L		NV									
URANIUM-235/236				8.11 PCI/L		NV									
THORIUM-232				1.07 PCI/L		NV									
THORIUM, TOTAL				9.62 UG/L		NV									
RADIUM-228				3.09 PCI/L		NV									
THORIUM-228				2.07 PCI/L		NV									
NEPTUNIUM-237				.5 PCI/L		UNV									
PLUTONIUM-239/240				.5 PCI/L		UNV									
PLUTONIUM-238				.5 PCI/L		UNV									
TECHNETIUM-99				44.5 PCI/L		NV									
RUTHENIUM-106				150 PCI/L		UNV									
CESIUM-137				6.8 PCI/L		UNV									
GROSS ALPHA				368 PCI/L		NV									
GROSS BETA				304 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-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			

SAMPLE NUMBER:	GW930526-4			EMGW_SYSGEN_323			EMGW_SYSGEN_323			EMGW_SYSGEN_323			045297		
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)
SEMIVOLATILES															
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			
PENTACHLOROPHENOL										4 UG/L		UNV			
PHENANTHRENE										4 UG/L		UNV			
PHENOL	.015 MG/L		-							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												

SAMPLE NUMBER:	GW930526-4			EMGW_SYSGEN_323			EMGW_SYSGEN_323			EMGW_SYSGEN_323			045297		
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															
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		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		UJ							1 UG/L		UNV			
ISOBUTYL ALCOHOL										3000 UG/L		UNV			
METHYLENE CHLORIDE	10 UG/L		U							1 UG/L		UNV			
STYRENE	10 UG/L		UJ							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		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			
TRICHLOROFLUOROMETHANE										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 1 WELLS

SAMPLE NUMBER:	045298			045955			GW930527-2			GW930527-2			GW930527-2		
TASK:	3.7			3.7			50.03.23			50.03.23			50.03.23		
LAB:	IT			IT			CORE			CORE			FERMCO		
WELL OR BORING NUMBER:	1340			1340			1340			1340			1340		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	05-OCT-89			21-JAN-90			27-MAY-93			27-MAY-93			27-MAY-93		
NORTH COORDINATE:	481618.58			481618.58			481618.58			481618.58			481618.58		
EAST COORDINATE:	1380734.93			1380734.93			1380734.93			1380734.93			1380734.93		
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															
NITRATE	.1 MG/L		U	.1 MG/L		U									
RADIONUCLIDES															
URANIUM-238							.7 PCI/L	1	J	2 PCI/L	.5	R			
URANIUM, TOTAL				45.9 UG/L	10.6	-	2.7 UG/L	.2	-	7.3 UG/L	.5	-	1.9 UG/L		NV
URANIUM-234							1.3 PCI/L	.7	J	2.8 PCI/L	1	R			
THORIUM-230							.2 PCI/L	.2	UJ	.3 PCI/L	.3	UJ			
RADIUM-226							1 PCI/L	.4	UJ	4.5 PCI/L	.6	J			
URANIUM-235/236							.2 PCI/L	.1	UJ	.1 PCI/L	.1	R			
THORIUM-232							.2 PCI/L	.2	UJ	.2 PCI/L	.1	UJ			
THORIUM, TOTAL							.91201716 PCI/L	.2	NV	.9120488 PCI/L	.1	NV			
RADIUM-228							3 PCI/L	.8	UJ	8.1 PCI/L	1.8	-			
THORIUM-228							.2 PCI/L	.3	UJ	.4 PCI/L	.3	J			
TECHNETIUM-99							29 PCI/L	9.2	-	29 PCI/L	9.2	-			
GROSS ALPHA							.8 PCI/L	4	UNV	99.1 PCI/L	24.9	NV			
GROSS BETA							9.7 PCI/L	5.5	UNV	136 PCI/L	22.6	NV			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930527-2	GW930527-2	GW930527-2	045362	045363
TASK:	50.03.23	50.03.23	50.03.23	3.7	3.7
LAB:	FERMCO	LOCKHEED	LOCKHEED	IT	IT-KNOX
WELL-OR BORING NUMBER:	1340	1340	1340	1341	1341
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-MAY-93	27-MAY-93	27-MAY-93	13-JUL-90	13-JUL-90
NORTH COORDINATE:	481618.58	481618.58	481618.58	481373.11	481373.11
EAST COORDINATE:	1380734.93	1380734.93	1380734.93	1379977.11	1379977.11
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							450 MG/L		-						
AMMONIA							.15 MG/L		-						
BICARBONATE ALKALINITY							450 MG/L		-						
CARBONATE ALKALINITY							30 MG/L		U						
CHLORIDE							530 MG/L		-						
FLUORIDE							.3 MG/L		-						
NITRATE							.05 MG/L		U				.1 MG/L		U
NITRATE/NITRITE							.05 MG/L		U						
PH							7.2 SU		-						
PHENOLS							.15 MG/L		U						
PHOSPHORUS							2.4 MG/L		-						
SPECIFIC CONDUCTIVITY							2400 UMHOS/CM		-						
SULFATE							140 MG/L		-						
TOTAL DISSOLVED SOLIDS				1200 MG/L		-									
TOTAL ORGANIC CARBON							10 MG/L		-						
TOTAL ORGANIC HALIDES							.047 MG/L		-						
TOTAL ORGANIC NITROGEN							.81 MG/L		J						
TOTAL SOLIDS							4600 MG/L		-						
INORGANICS															
ALUMINUM				.024 MG/L		U	33.2 MG/L		-						
ANTIMONY				.027 MG/L		U	.027 MG/L		U						
ARSENIC				.002 MG/L		U	.0141 MG/L		-						
BARIUM				.0497 MG/L		-	.293 MG/L		-						
BERYLLIUM				.001 MG/L		U	.0038 MG/L		-						
CADMIUM				.002 MG/L		U	.002 MG/L		U						
CALCIUM				206 MG/L		-	480 MG/L		-						
CHROMIUM				.004 MG/L		U	.0445 MG/L		-						
COBALT				.005 MG/L		U	.0283 MG/L		-						
COPPER				.003 MG/L		U	.0642 MG/L		-						
CYANIDE				.02 MG/L		U	.02 MG/L		U						

SAMPLE NUMBER:	GW930527-2			GW930527-2			GW930527-2			045362			045363		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			IT-KNOX		
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				1.19 MG/L		-	68.9 MG/L		-						
LEAD				.002 MG/L		UJ	.047 MG/L		-						
MAGNESIUM				74.9 MG/L		-	151 MG/L		-						
MANGANESE				.279 MG/L		-	1.75 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	.0661 MG/L		-						
POTASSIUM				3.68 MG/L		-	9.38 MG/L		-						
SELENIUM				.001 MG/L		U	.002 MG/L		UJ						
SILVER				.004 MG/L		U	.004 MG/L		U						
SODIUM				185 MG/L		-	182 MG/L		-						
THALLIUM				.001 MG/L		UJ	.001 MG/L		UJ						
VANADIUM				.004 MG/L		U	.0287 MG/L		-						
ZINC				.0042 MG/L		-	.192 MG/L		-						
RADIONUCLIDES															
URANIUM, TOTAL	16 UG/L		NV							36.9 UG/L	5.6	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		U						
2-HEXANONE							10 UG/L		U						
4-METHYL-2-PENTANONE							10 UG/L		U						
ACETONE							25 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						

SAMPLE NUMBER:	GW930527-2			GW930527-2			GW930527-2			045362			045363		
LAB:	FERMCO			LOCKHEED			LOCKHEED			IT			IT-KNOX		
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		UJ						
XYLENES, TOTAL							10 UG/L		U						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045356	045357	EMGW_SYSGEN_325	EMGW_SYSGEN_325	045409
TASK:	3.7	3.7	GWMON	GWMON	3.7
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	1341	1341	1342	1342	1342
DEPTH:	-	-	-	-	-
DATE COLLECTED:	27-OCT-89	27-OCT-89	11-OCT-90	11-OCT-90	17-OCT-89
NORTH COORDINATE:	481373.11	481373.11	481365.07	481365.07	481365.07
EAST COORDINATE:	1379977.11	1379977.11	1380265.73	1380265.73	1380265.73
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										.46 MG/L		NV			
CHLORIDE										84 MG/L		NV			
FLUORIDE										.6 MG/L		NV			
NITRATE				.1 MG/L		UJ				.02 MG/L		UNV			
NITRATE/NITRITE										.02 MG/L		UNV			
PHOSPHORUS										3.66 MG/L		NV			
SULFATE										14 MG/L		NV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	205 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.008 MG/L		NV	.432 MG/L		NV			
BARIUM							.251 MG/L		NV	2.71 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.012 MG/L		NV			
CALCIUM							113 MG/L		NV	1490 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.057 MG/L		NV			
COPPER							.025 MG/L		UNV	.572 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON							1.9 MG/L		NV	860 MG/L		NV			
LEAD							.005 MG/L		UNV	.332 MG/L		NV			
MAGNESIUM							21 MG/L		NV	390 MG/L		NV			
MANGANESE							9.03 MG/L		NV	39.7 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	.616 MG/L		NV			
POTASSIUM							1.77 MG/L		NV	31.8 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		NV			
SODIUM							39.8 MG/L		NV	34.7 MG/L		NV			

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SAMPLE NUMBER:	045356			045357			EMGW_SYSGEN_325			EMGW_SYSGEN_325			045409		
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															
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.62 MG/L		NV			
ZINC							.025 MG/L		NV	2.29 MG/L		NV			
No sort code listed.															
3-METHYLPHENOL										4 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			
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			
TOXAPHENE										.5 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL	28 UG/L	9	J										26 UG/L	3	-
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:	045356			045357			EMGW_SYSGEN_325			EMGW_SYSGEN_325			045409		
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)
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			
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			

SAMPLE NUMBER:	045356			045357			EMGW_SYSGEN_325			EMGW_SYSGEN_325			045409		
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)
SEMIVOLATILES															
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			
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			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			

SAMPLE NUMBER:	045356			045357			EMGW_SYSGEN_325			EMGW_SYSGEN_325			045409		
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															
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:	045410	045411	045412	120440	120445
TASK:	3.7	3.7	3.7	50.03.07	50.03.07
LAB:	IT	IT	IT	IT	IT
WELL OR BORING NUMBER:	1342	1342	1342	1343	1343
DEPTH:	-	-	-	-	-
DATE COLLECTED:	17-OCT-89	28-AUG-90	28-AUG-90	08-JUL-93	09-JUL-93
NORTH COORDINATE:	481365.07	481365.07	481365.07	481347.63	481347.63
EAST COORDINATE:	1380265.73	1380265.73	1380265.73	1380490.25	1380490.25
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															
NITRATE	.1 MG/L		U				.1 MG/L		U						
INORGANICS															
ALUMINUM													.235 MG/L		-
ANTIMONY													.005 MG/L		U
ARSENIC													.002 MG/L		UJ
BARIUM													.0847 MG/L		-
BERYLLIUM													.002 MG/L		U
CADMIUM													.005 MG/L		U
CALCIUM													141 MG/L		-
CHROMIUM													.01 MG/L		U
COBALT													.01 MG/L		U
COPPER													.01 MG/L		U
IRON													.022 MG/L		-
LEAD													.002 MG/L		U
MAGNESIUM													52.8 MG/L		-
MANGANESE													.0225 MG/L		-
MERCURY													.0002 MG/L		U
MOLYBDENUM													.02 MG/L		U
NICKEL													.02 MG/L		U
POTASSIUM													2.21 MG/L		-
SELENIUM													.002 MG/L		U
SILICON													6.89 MG/L		-
SILVER													.01 MG/L		U
SODIUM													73.2 MG/L		-
THALLIUM													.002 MG/L		UJ
VANADIUM													.01 MG/L		U
ZINC													.005 MG/L		U
RADIONUCLIDES															

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045410			045411			045412			120440			120445		
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)
RADIONUCLIDES															
URANIUM, TOTAL				1.83 UG/L	.2	-				3.87 UG/L	.41	-			
URANIUM-234										1.41 PCI/L	.39	-			
THORIUM-230										6.92 PCI/L	1.53	J			
RADIUM-226										.144 PCI/L	.0551	UJ			
URANIUM-235/236										.183 PCI/L	.12	UJ			
THORIUM-232										.17 PCI/L	686	UJ			
THORIUM, TOTAL										1.56 UG/L		UJ			
RADIUM-228										1.49 PCI/L	.77	UJ			
THORIUM-228										.29 PCI/L	.107	UJ			
NEPTUNIUM-237										.2 PCI/L	.167	UJ			
PLUTONIUM-239/240										.094 PCI/L	.0494	UJ			
PLUTONIUM-238										.1163 PCI/L	.1062	UJ			
STRONTIUM-90										.6 PCI/L	.353	UJ			
TECHNETIUM-99										12 PCI/L	7.37	UJ			
RUTHENIUM-106										119 PCI/L		UJ			
CESIUM-137										11.4 PCI/L		UJ			

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	120445	EMGW_SYSGEN_327	EMGW_SYSGEN_327	045365	045366
TASK:	50.03.07	GWMON	GWMON	3.7	3.7
LAB:	IT	NET	NET	IT	IT-KNOX
WELL OR BORING NUMBER:	1343	1343	1343	1343	1343
DEPTH:	-	-	-	-	-
DATE COLLECTED:	09-JUL-93	11-OCT-90	11-OCT-90	13-JUL-90	13-JUL-90
NORTH COORDINATE:	481347.63	481347.63	481347.63	481347.63	481347.63
EAST COORDINATE:	1380490.25	1380490.25	1380490.25	1380490.25	1380490.25
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	382 MG/L		-												
AMMONIA	.1 MG/L		U				.06 MG/L		NV						
CHLORIDE	198.97 MG/L		-				322 MG/L		NV						
FLUORIDE	.41 MG/L		-				.59 MG/L		NV						
NITRATE	.1 MG/L		U				.02 MG/L		NV				.3 MG/L		J
NITRATE/NITRITE							.02 MG/L		NV						
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.26 MG/L		-				.64 MG/L		NV						
SULFATE	61.56 MG/L		-				72 MG/L		NV						
SULFIDE	.5 MG/L		U												
TOTAL KJELDAHL NITROGEN	.22 MG/L		-												
TOTAL ORGANIC CARBON	2.41 MG/L		-												
TOTAL ORGANIC HALIDES	.0268 MG/L		-												
TOTAL ORGANIC NITROGEN	.22 MG/L		-												
INORGANICS															
ALUMINUM				.5 MG/L		UNV	1.98 MG/L		NV						
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				136 MG/L		NV	125 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	.002 MG/L		U				.005 MG/L		UNV						
IRON				.05 MG/L		UNV	4.64 MG/L		NV						
LEAD				.005 MG/L		UNV	.005 MG/L		UNV						
MAGNESIUM				22 MG/L		NV	65 MG/L		NV						
MANGANESE				.266 MG/L		NV	.363 MG/L		NV						

SAMPLE NUMBER:	120445			EMGW_SYSGEN_327			EMGW_SYSGEN_327			045365			045366		
LAB:	IT			NET			NET			IT			IT-KNOX		
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															
MERCURY				.0002 MG/L		UNV	.0002 MG/L		UNV						
MOLYBDENUM				.025 MG/L		UNV	.025 MG/L		UNV						
NICKEL				.005 MG/L		UNV	.007 MG/L		NV						
POTASSIUM				2.56 MG/L		NV	4.16 MG/L		NV						
SELENIUM				.0025 MG/L		UNV	.0025 MG/L		UNV						
SILVER				.001 MG/L		UNV	.001 MG/L		UNV						
SODIUM				61.9 MG/L		NV	65 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	.022 MG/L		NV						
No sort code listed.															
3-METHYLPHENOL							4 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						
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						
TOXAPHENE							.5 UG/L		UNV						
RADIONUCLIDES															
URANIUM, TOTAL										10.9 UG/L	1.1	R			

002164

SAMPLE NUMBER:	120445			EMGW_SYSGEN_327			EMGW_SYSGEN_327			045365			045366		
LAB:	IT			NET			NET			IT			IT-KNOX		
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															
1,2,4-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						
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						

SAMPLE NUMBER:	120445			EMGW_SYSGEN_327			EMGW_SYSGEN_327			045365			045366		
LAB:	IT			NET			NET			IT			IT-KNOX		
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							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	.01 MG/L		U				4 UG/L		UNV						
PYRENE							4 UG/L		UNV						
VOLATILES															
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	3 UG/L		J				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 UG/L		UNV						
1,2-DICHLOROPROPANE	10 UG/L		UJ				1 UG/L		UNV						
2-BUTANONE	10 UG/L		UJ				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		UJ				2 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							1 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				1 UG/L		UNV						
CHLOROFORM	10 UG/L		UJ				1 UG/L		UNV						
CHLOROMETHANE	10 UG/L		UJ				1 UG/L		UNV						
CIS-1,3-DICHLOROPROPENE	10 UG/L		UJ				1 UG/L		UNV						
DIBROMOCHLOROMETHANE	10 UG/L		UJ				1 UG/L		UNV						
ETHYLBENZENE	10 UG/L		UJ				1 UG/L		UNV						
METHYLENE CHLORIDE	10 UG/L		U				1 UG/L		UNV						

006166

6416

SAMPLE NUMBER:	120445			EMGW_SYSGEN_327			EMGW_SYSGEN_327			045365			045366		
LAB:	IT			NET			NET			IT			IT-KNOX		
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							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	1 UG/L		J				1 UG/L		UNV						
VINYL ACETATE	10 UG/L		UJ				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 1 WELLS

SAMPLE NUMBER:	099110	099110	099110	045364	045966
TASK:	50.03.07	50.03.07	50.03.07	3.7	3.7
LAB:	IT-KNOX	IT-KNOX	IT/RSL	IT	IT
WELL OR BORING NUMBER:	1343	1343	1343	1343	1344
DEPTH:	-	-	-	-	-
DATE COLLECTED:	18-DEC-92	18-DEC-92	18-DEC-92	18-JAN-90	03-FEB-90
NORTH COORDINATE:	481347.63	481347.63	481347.63	481347.63	481363.02
EAST COORDINATE:	1380490.25	1380490.25	1380490.25	1380490.25	1380728.33
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															
NITRATE										.1 MG/L		U	.17 MG/L		-
INORGANICS															
ALUMINUM	.03 MG/L		U												
ANTIMONY	.005 MG/L		U												
ARSENIC	.002 MG/L		U												
BARIUM	.089 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 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	.02 MG/L		U												
LEAD	.002 MG/L		U												
MAGNESIUM	53 MG/L		-												
MANGANESE	.0441 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	1.8 MG/L		-												
SELENIUM	.002 MG/L		UJ												
SILICON	6.67 MG/L		-												
SILVER	.01 MG/L		U												
SODIUM	78 MG/L		-												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.01 MG/L		U												
ZINC	.005 MG/L		U												

001168

6416

PESTICIDES

4,4'-DDD .1 UG/L U
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	099110			099110			099110			045364			045966		
LAB:	IT-KNOX			IT-KNOX			IT/RSL			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															
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							1.24 PCI/L	.4	J						
URANIUM, TOTAL							2.54 UG/L	.00027	J	40.6 UG/L	6.9	-	65.7 UG/L	11.4	-
URANIUM-234							1.24 PCI/L	.39	J						
RADIUM-226							1 PCI/L		UJ						
URANIUM-235/236							.2 PCI/L		UJ						
RADIUM-228							3.57 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							16.5 PCI/L		UJ						
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							20 PCI/L		UJ						
GROSS ALPHA							8.4 PCI/L		UNV						

SAMPLE NUMBER:	099110			099110			099110			045364			045966		
LAB:	IT-KNOX			IT-KNOX			IT/RSL			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															
GROSS BETA							6.6 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				160 UG/L		-									
2-METHYLNAPHTHALENE				10 UG/L		U									
2-METHYLPHENOL				10 UG/L		U									
2-NITROANILINE				50 UG/L		U									
2-NITROPHENOL				2 UG/L		J									
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				200 UG/L		-									
4-CHLOROPHENYLPHENYL ETHER				10 UG/L		U									
4-METHYLPHENOL				10 UG/L		U									
4-NITROANILINE				50 UG/L		U									
4-NITROPHENOL				80 UG/L		-									
ACENAPHTHENE				3 UG/L		J									
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		UJ									
BIS(2-ETHYLHEXYL)PHTHALATE				10 UG/L		U									
BUTYL BENZYL PHTHALATE				10 UG/L		U									
CHRYSENE				10 UG/L		U									

SAMPLE NUMBER:	099110			099110			099110			045364			045966		
LAB:	IT-KNOX			IT-KNOX			IT/RSL			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															
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				2 UG/L		J									
N-NITROSODIPHENYLAMINE				10 UG/L		U									
NAPHTHALENE				10 UG/L		U									
NITROBENZENE				10 UG/L		U									
P-CHLOROANILINE				10 UG/L		U									
PENTACHLOROPHENOL				94 UG/L		-									
PHENANTHRENE				10 UG/L		U									
PHENOL				80 UG/L		-									
PYRENE				5 UG/L		J									
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				2 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		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									
CARBON DISULFIDE				10 UG/L		U									
CARBON TETRACHLORIDE				10 UG/L		U									
CHLOROBENZENE				10 UG/L		U									
CHLOROETHANE				10 UG/L		UJ									

SAMPLE NUMBER:	099110			099110			099110			045364			045966		
LAB:	IT-KNOX			IT-KNOX			IT/RSL			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															
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:	099037	099037	045318	045319	099054
TASK:	50.03.07	50.03.07	3.7	3.7	50.03.07
LAB:	IT	IT/RSL	IT	IT	IT
WELL OR BORING NUMBER:	1344	1344	1344	1344	1344
DEPTH:	-	-	-	-	-
DATE COLLECTED:	04-NOV-92	04-NOV-92	05-OCT-89	05-OCT-89	10-NOV-92
NORTH COORDINATE:	481363.02	481363.02	481363.02	481363.02	481363.02
EAST COORDINATE:	1380728.33	1380728.33	1380728.33	1380728.33	1380728.33
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															
NITRATE										.1 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												

SAMPLE NUMBER:	099037			099037			045318			045319			099054		
LAB:	IT			IT/RSL			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)
RADIONUCLIDES															
URANIUM, TOTAL							42 UG/L	7	-				3.18 UG/L	.34	-
URANIUM-234													2.7 PCI/L	1.2	J
THORIUM-230													.5 PCI/L		UJ
RADIUM-226													1 PCI/L	.1	UJ
URANIUM-235/236													1.2 PCI/L		UJ
THORIUM-232													.5 PCI/L		UJ
THORIUM, TOTAL													4.6 UG/L		UJ
RADIUM-228													3 PCI/L		UJ
THORIUM-228													.8 PCI/L		UJ
NEPTUNIUM-237													.5 PCI/L	.2	UJ
PLUTONIUM-239/240													.5 PCI/L	.1	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													9.3 PCI/L		UJ
GROSS ALPHA				7.9 PCI/L		UNV							12 PCI/L		UNV
GROSS BETA				6.5 PCI/L		UNV							7.8 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												

SAMPLE NUMBER:	099037			099037			045318			045319			099054		
LAB:	IT			IT/RSL			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)
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												
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
10/01/94

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	099037			099037			045318			045319			099054		
LAB:	IT			IT/RSL			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															
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												
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:	099054	099054	099055	108871	108901
TASK:	50.03.07	50.03.07	50.03.07	50.03.07	50.03.07
LAB:	IT-KNOX	IT/MWL	FERMCO	IT	IT/MWL
WELL OR BORING NUMBER:	1344	1344	1344	1344	1344
DEPTH:	-	-	-	-	-
DATE COLLECTED:	10-NOV-92	10-NOV-92	10-NOV-92	14-MAY-93	23-FEB-93
NORTH COORDINATE:	481363.02	481363.02	481363.02	481363.02	481363.02
EAST COORDINATE:	1380728.33	1380728.33	1380728.33	1380728.33	1380728.33
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	468 MG/L		-												
AMMONIA	.49 MG/L		-												
CHLORIDE	18 MG/L		-												
FLUORIDE	1.02 MG/L		-												
NITRATE	.1 MG/L		UJ												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	1.18 MG/L		-												
SULFATE	289.5 MG/L		-												
SULFIDE	.5 MG/L		U												
TOTAL ORGANIC CARBON	1.56 MG/L		J												
TOTAL ORGANIC HALIDES	.01205 MG/L		-												
TOTAL ORGANIC NITROGEN	.1 MG/L		U												
INORGANICS															
ALUMINUM				.0317 MG/L		U							.276 MG/L		U
ANTIMONY				.0054 MG/L		U							.005 MG/L		UJ
ARSENIC				.0036 MG/L		-							.0031 MG/L		UJ
BARIUM				.0542 MG/L		-							.0518 MG/L		-
BERYLLIUM				.002 MG/L		U							.002 MG/L		U
CADMIUM				.005 MG/L		U							.005 MG/L		U
CALCIUM				149 MG/L		-							150 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		UJ									
IRON				.658 MG/L		-							.458 MG/L		-
LEAD				.0025 MG/L		U							.002 MG/L		U
MAGNESIUM				79.9 MG/L		-							78.6 MG/L		-
MANGANESE				.0464 MG/L		-							.0547 MG/L		-
MERCURY				.0002 MG/L		U							.0002 MG/L		U
MOLYBDENUM				.02 MG/L		U							.02 MG/L		U

SAMPLE NUMBER:	099054			099054			099055			108871			108901		
LAB:	IT-KNOX			IT/MWL			FERMCO			IT			IT/MWL		
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		U							.02 MG/L		U
POTASSIUM				2.8 MG/L		-							2.66 MG/L		-
SELENIUM				.002 MG/L		U							.002 MG/L		UJ
SILICON				9.72 MG/L		-							8.62 MG/L		-
SILVER				.01 MG/L		U							.01 MG/L		U
SODIUM				18.8 MG/L		-							18.8 MG/L		-
THALLIUM				.002 MG/L		U							.002 MG/L		U
VANADIUM				.01 MG/L		U							.01 MG/L		U
ZINC				.0088 MG/L		-							.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, TOTAL							3.7 UG/L		NV						
SEMIVOLATILES															

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SAMPLE NUMBER:	099054			099054			099055			108871			108901		
LAB:	IT-KNOX			IT/MWL			FERMCO			IT			IT/MWL		
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)
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										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			
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			

SAMPLE NUMBER:	099054			099054			099055			108871			108901		
LAB:	IT-KNOX			IT/MWL			FERMCO			IT			IT/MWL		
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)
SEMIVOLATILES															
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			
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													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													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

SAMPLE NUMBER:	099054			099054			099055			108871			108901		
LAB:	IT-KNOX			IT/MWL			FERMCO			IT			IT/MWL		
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															
DIBROMOCHLOROMETHANE													10 UG/L		U
ETHYLBENZENE													10 UG/L		U
METHYLENE CHLORIDE													14 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:	108899	108899	108897	GW930527-3	GW930527-3
TASK:	50.03.07	50.03.07	50.03.07	50.03.23	50.03.23
LAB:	IT-KNOX	IT/RSL	IT	CORE	CORE
WELL OR BORING NUMBER:	1344	1344	1344	1344	1344
DEPTH:	-	-	-	-	-
DATE COLLECTED:	24-FEB-93	24-FEB-93	25-FEB-93	28-MAY-93	28-MAY-93
NORTH COORDINATE:	481363.02	481363.02	481363.02	481363.02	481363.02
EAST COORDINATE:	1380728.33	1380728.33	1380728.33	1380728.33	1380728.33
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	.46 MG/L		-												
CHLORIDE	93.6 MG/L		-												
FLUORIDE	.92 MG/L		-												
NITRATE	.147 MG/L		-												
PHENOLS	.01 MG/L		U												
PHOSPHORUS	.43 MG/L		-												
SULFATE	294.5 MG/L		-												
TOTAL ORGANIC CARBON	1.262 MG/L		-												
TOTAL ORGANIC HALIDES	10 MG/L		U												
TOTAL ORGANIC NITROGEN	.16 MG/L		-												
RADIONUCLIDES															
URANIUM-238							1 PCI/L	.3	J	.8 PCI/L	1	J	1.1 PCI/L	.2	-
URANIUM, TOTAL							2.19 UG/L	.23	-	3.7 UG/L	.3	-	4.2 UG/L	.3	-
URANIUM-234							1.18 PCI/L	.33	J	.8 PCI/L	.6	J	1.3 PCI/L	.2	-
THORIUM-230							.2 PCI/L	.1	UJ	.2 PCI/L	.3	UJ	.3 PCI/L	.2	UJ
RADIUM-226							1 PCI/L	.1	UJ	1 PCI/L	.4	UJ	1 PCI/L	.2	UJ
URANIUM-235/236							.2 PCI/L		UJ	.2 PCI/L	.1	UJ	.2 PCI/L	.3	U
THORIUM-232							.2 PCI/L		UJ	.2 PCI/L	.1	UJ	.2 PCI/L	.1	UJ
THORIUM, TOTAL							.82 UG/L		UJ				1.8240488 PCI/L	.1	NV
RADIUM-228							3 PCI/L		UJ	3 PCI/L	1	UJ	5.8 PCI/L	1.8	-
THORIUM-228							.2 PCI/L		UJ	.2 PCI/L	.3	UJ	.4 PCI/L	.2	J
NEPTUNIUM-237							.5 PCI/L		UJ						
PLUTONIUM-239/240							.5 PCI/L		UJ						
PLUTONIUM-238							.5 PCI/L		UJ						
STRONTIUM-90							1.4 PCI/L		UJ						
TECHNETIUM-99							15 PCI/L		UJ				15 PCI/L	8.1	U
RUTHENIUM-106							150 PCI/L		UJ						
CESIUM-137							16 PCI/L		UJ						
GROSS ALPHA				12 PCI/L		UNV	12.6 PCI/L		UNV	6.3 PCI/L	3.1	UNV	.5 PCI/L	.5	NV
GROSS BETA				10 PCI/L		UNV	10.6 PCI/L	6.5	NV	4.7 PCI/L	2.8	UNV	3.2 PCI/L	.5	NV

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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	045347	045348	EMGW_SYSGEN_328	EMGW_SYSGEN_328	045349
TASK:	3.7	3.7	GWMON	GWMON	3.7
LAB:	IT	IT	NET	NET	IT
WELL OR BORING NUMBER:	1345	1345	1345	1345	1345
DEPTH:	-	-	-	-	-
DATE COLLECTED:	06-OCT-89	06-OCT-89	11-OCT-90	11-OCT-90	13-JUL-90
NORTH COORDINATE:	481240.48	481240.48	481240.48	481240.48	481240.48
EAST COORDINATE:	1380144.5	1380144.5	1380144.5	1380144.5	1380144.5
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										2.19 MG/L		NV			
CHLORIDE										68 MG/L		NV			
FLUORIDE										.58 MG/L		NV			
NITRATE				.1 MG/L		U				.02 MG/L		UNV			
NITRATE/NITRITE										.02 MG/L		UNV			
PHOSPHORUS										1.67 MG/L		NV			
SULFATE										1 MG/L		UNV			
INORGANICS															
ALUMINUM							.5 MG/L		UNV	20.3 MG/L		NV			
ANTIMONY							.025 MG/L		UNV	.025 MG/L		UNV			
ARSENIC							.007 MG/L		NV	.05 MG/L		NV			
BARIUM							.226 MG/L		NV	.429 MG/L		NV			
BERYLLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
CADMIUM							.001 MG/L		UNV	.005 MG/L		NV			
CALCIUM							108 MG/L		NV	202 MG/L		NV			
CHROMIUM										.005 MG/L		UNV			
COBALT							.025 MG/L		UNV	.025 MG/L		UNV			
COPPER							.025 MG/L		UNV	.068 MG/L		NV			
CYANIDE										.005 MG/L		UNV			
IRON							2.4 MG/L		NV	97.4 MG/L		NV			
LEAD							.005 MG/L		UNV	.079 MG/L		NV			
MAGNESIUM							14 MG/L		NV	83 MG/L		NV			
MANGANESE							1.14 MG/L		NV	2.16 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	.051 MG/L		NV			
POTASSIUM							4.86 MG/L		NV	10.6 MG/L		NV			
SELENIUM							.0025 MG/L		UNV	.0025 MG/L		UNV			
SILVER							.001 MG/L		UNV	.001 MG/L		UNV			
SODIUM							17.4 MG/L		NV	60 MG/L		NV			

SAMPLE NUMBER:	045347			045348			EMGW_SYSGEN_328			EMGW_SYSGEN_328			045349		
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															
THALLIUM							.01 MG/L		UNV	.01 MG/L		UNV			
VANADIUM							.05 MG/L		UNV	.089 MG/L		NV			
ZINC							.02 MG/L		UNV	.213 MG/L		NV			
No sort code listed.															
3-METHYLPHENOL										4 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			
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			
TOXAPHENE										.5 UG/L		UNV			
RADIONUCLIDES															
URANIUM, TOTAL	2 UG/L	1	-										9.37 UG/L	1	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			

SAMPLE NUMBER:	045347			045348			EMGW_SYSGEN_328			EMGW_SYSGEN_328			045349		
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)
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			
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			

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SAMPLE NUMBER:	045347			045348			EMGW_SYSGEN_328			EMGW_SYSGEN_328			045349		
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)
SEMIVOLATILES															
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			
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			
TRANS-1,3-DICHLOROPROPENE										1 UG/L		UNV			

SAMPLE NUMBER:	045347			045348			EMGW_SYSGEN_328			EMGW_SYSGEN_328			045349		
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															
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:	045970			GW930527-6			GW930527-6			GW930527-6			GW930527-6		
TASK:	3.7			RA7 PL1PAD			RA7 PL1PAD			RA7 PL1PAD			RA7 PL1PAD		
LAB:	IT-KNOX			CORE			CORE			FERMCO			FERMCO		
WELL OR BORING NUMBER:	1345			1345			1345			1345			1345		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	13-JUL-90			28-MAY-93			28-MAY-93			28-MAY-93			28-MAY-93		
NORTH COORDINATE:	481240.48			481240.48			481240.48			481240.48			481240.48		
EAST COORDINATE:	1380144.5			1380144.5			1380144.5			1380144.5			1380144.5		
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)
GENERAL CHEMISTRY															
NITRATE	.18 MG/L		J												
RADIONUCLIDES															
URANIUM-238				.9 PCI/L	.8	J	1 PCI/L	.4	J						
URANIUM, TOTAL				.7 UG/L	.1	-	5.9 UG/L	.4	-	.7 UG/L		NV	1.2 UG/L		NV
URANIUM-234				.5 PCI/L	.7	J	1 PCI/L	.8	J						
THORIUM-230				.2 PCI/L	.3	UJ	.3 PCI/L	.2	UJ						
RADIUM-226				.9 PCI/L	.5	UJ	.8 PCI/L	.2	UJ						
URANIUM-235/236				.1 PCI/L	.3	UJ	.1 PCI/L	.1	UJ						
THORIUM-232				.1 PCI/L	.2	UJ	.1 PCI/L	.2	UJ						
THORIUM, TOTAL							.9120366 PCI/L	.2	NV						
RADIUM-228				1.5 PCI/L	.9	UJ	3.1 PCI/L	1.7	-						
THORIUM-228				.2 PCI/L	.3	UJ	.3 PCI/L	.2	J						
TECHNETIUM-99				13.5 PCI/L	7.7	U	12.6 PCI/L	7.5	U						
GROSS ALPHA				5.6 PCI/L	3	UNV	9.8 PCI/L	5.4	UNV						
GROSS BETA				6.4 PCI/L	3.6	UNV	21.5 PCI/L	4.4	NV						

FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	GW930527-6			GW930527-6			062995			062995			062995		
TASK:	RA7 PL1PAD			RA7 PL1PAD			04.23			04.23			04.23		
LAB:	NET			NET			IT/MWL			IT/MWL			IT/MWL		
WELL OR BORING NUMBER:	1345			1345			1346			1346			1346		
DEPTH:	-			-			-			-			-		
DATE COLLECTED:	28-MAY-93			28-MAY-93			08-JUL-92			08-JUL-92			08-JUL-92		
NORTH COORDINATE:	481240.48			481240.48			481245.67			481245.67			481245.67		
EAST COORDINATE:	1380144.5			1380144.5			1380178.9			1380178.9			1380178.9		
QA TYPE:	NORMAL			NORMAL			NORMAL			NORMAL			NORMAL		
QC OF:															
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)	RESULT	SIGMA	VAL QUAL(1)
GENERAL CHEMISTRY															
ALKALINITY AS CACO3				434 MG/L		-									
AMMONIA				1.92 MG/L		-									
BICARBONATE ALKALINITY				616 MG/L		-									
CARBONATE ALKALINITY				3 MG/L		U									
CHLORIDE				78 MG/L		-									
FLUORIDE				.26 MG/L		-									
NITRITE, AS NITROGEN				.02 MG/L		U									
PH				7.34 SU		-							10 UG/L		U
PHENOLS				.01 MG/L		U									
PHOSPHORUS				.23 MG/L		R									
SPECIFIC CONDUCTIVITY				965 UMHOS/CM		-									
SULFATE				9 MG/L		-									
TOTAL DISSOLVED SOLIDS	596 MG/L		-												
TOTAL KJELDAHL NITROGEN				2.78 MG/L		-									
TOTAL ORGANIC CARBON				10 MG/L		-									
TOTAL ORGANIC HALIDES				.058 MG/L		-									
TOTAL ORGANIC NITROGEN				.86 MG/L		-									
TOTAL SOLIDS				1000 MG/L		-									
INORGANICS															
ALUMINUM	.02 MG/L		U	3.19 MG/L		J	.03 MG/L		U						
ANTIMONY	.045 MG/L		U	.045 MG/L		U	.03 MG/L		R						
ARSENIC	.208 MG/L		R	.104 MG/L		R	.0054 MG/L		J						
BARIUM	.0201 MG/L		-	.262 MG/L		-	.155 MG/L		-						
BERYLLIUM	.001 MG/L		U	.001 MG/L		U	.002 MG/L		U						
CADMIUM	.0038 MG/L		-	.0079 MG/L		-	.005 MG/L		UJ						
CALCIUM	10 MG/L		-	122 MG/L		-	176 MG/L		-						
CHROMIUM	.005 MG/L		U	.0063 MG/L		J	.01 MG/L		U						
COBALT	.008 MG/L		U	.008 MG/L		U	.01 MG/L		U						
COPPER	.003 MG/L		U	.003 MG/L		U	.01 MG/L		U						
CYANIDE	.01 MG/L		R	.01 MG/L		UJ				.002 MG/L		U			

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SAMPLE NUMBER:	GW930527-6			GW930527-6			062995			062995			062995		
LAB:	NET			NET			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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	16.1 MG/L		-	36.3 MG/L		J	3.33 MG/L		-						
LEAD	.0023 MG/L		-	.0072 MG/L		J	.002 MG/L		U						
MAGNESIUM	1.99 MG/L		-	36.6 MG/L		-	51.3 MG/L		-						
MANGANESE	1.25 MG/L		-	1.3 MG/L		-	1.21 MG/L		-						
MERCURY	.0002 MG/L		UJ	.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	29.6 MG/L		J	3.23 MG/L		J	.56 MG/L		-						
SELENIUM	.0033 MG/L		J	.001 MG/L		UJ	.002 MG/L		U						
SILICON							10.6 MG/L		-						
SILVER	.007 MG/L		U	.007 MG/L		UJ	.01 MG/L		R						
SODIUM	20.2 MG/L		-	58.1 MG/L		-	28.8 MG/L		-						
THALLIUM	.002 MG/L		UJ	.002 MG/L		UJ	.002 MG/L		UJ						
VANADIUM	.003 MG/L		U	.0051 MG/L		-	.01 MG/L		U						
ZINC	.005 MG/L		U	.0301 MG/L		J	.0053 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

SEMIVOLATILES

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

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GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	GW930527-6			GW930527-6			062995			062995			062995		
LAB:	NET			NET			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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		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		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

000151

SAMPLE NUMBER:	GW930527-6			GW930527-6			062995			062995			062995		
LAB:	NET			NET			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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													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		UJ
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				10 UG/L		U							5 UG/L		U
1,1,2,2-TETRACHLOROETHANE				10 UG/L		U							5 UG/L		U
1,1,2-TRICHLOROETHANE				10 UG/L		U							5 UG/L		U
1,1-DICHLOROETHANE				10 UG/L		U							5 UG/L		U
1,1-DICHLOROETHENE				10 UG/L		U							5 UG/L		U
1,2-DICHLOROETHANE				10 UG/L		U							5 UG/L		U
1,2-DICHLOROETHENE (TOTAL)				10 UG/L		U							5 UG/L		U
1,2-DICHLOROPROPANE				10 UG/L		U							5 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							5 UG/L		U
BROMODICHLOROMETHANE				10 UG/L		U							5 UG/L		U
BROMOFORM				10 UG/L		U							5 UG/L		U
BROMOMETHANE				10 UG/L		U							10 UG/L		U
CARBON DISULFIDE				10 UG/L		U							5 UG/L		U
CARBON TETRACHLORIDE				10 UG/L		U							5 UG/L		U
CHLOROBENZENE				10 UG/L		U							5 UG/L		U
CHLOROETHANE				10 UG/L		U							10 UG/L		U

SAMPLE NUMBER:	GW930527-6			GW930527-6			062995			062995			062995		
LAB:	NET			NET			IT/MWL			IT/MWL			IT/MWL		
SUFFIX/FILTERFLAG:	NONE-FIL			NONE-UNF			F-FIL			F-UNF			NONE-UNF		
	RESULT	SIGMA	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							5 UG/L		U
CHLOROMETHANE				10 UG/L		U							10 UG/L		U
CIS-1,3-DICHLOROPROPENE				10 UG/L		U							5 UG/L		U
DIBROMOCHLOROMETHANE				10 UG/L		U							5 UG/L		U
ETHYLBENZENE				2 UG/L		J							5 UG/L		U
METHYLENE CHLORIDE				10 UG/L		U							5 UG/L		U
STYRENE				10 UG/L		U							5 UG/L		U
TETRACHLOROETHENE				10 UG/L		U							5 UG/L		U
TOLUENE				50 UG/L		-							5 UG/L		U
TRANS-1,3-DICHLOROPROPENE				10 UG/L		U							5 UG/L		U
TRICHLOROETHENE				10 UG/L		U							5 UG/L		U
VINYL ACETATE													10 UG/L		UJ
VINYL CHLORIDE				10 UG/L		U							10 UG/L		U
XYLENES, TOTAL				17 UG/L		-							5 UG/L		U

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GROUNDWATER - TYPE 1 WELLS

SAMPLE NUMBER:	062997	062997	062997	046812	046813
TASK:	04.23	04.23	04.23	3.7	3.7
LAB:	IT/MWL	IT/MWL	IT/MWL	IT	IT
WELL OR BORING NUMBER:	1346	1346	1346	1346	1346
DEPTH:	-	-	-	-	-
DATE COLLECTED:	08-JUL-92	08-JUL-92	08-JUL-92	19-JAN-90	30-JUL-90
NORTH COORDINATE:	481245.67	481245.67	481245.67	481245.67	481245.67
EAST COORDINATE:	1380178.9	1380178.9	1380178.9	1380178.9	1380178.9
QA TYPE:	DUPLICATE	DUPLICATE	DUPLICATE	NORMAL	NORMAL
QC OF:	062995	062995	062995		
SUFFIX/FILTERFLAG:	F-FIL	F-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			
INORGANICS															
ALUMINUM	.03 MG/L		U												
ANTIMONY	.03 MG/L		R												
ARSENIC	.0044 MG/L		J												
BARIUM	.158 MG/L		-												
BERYLLIUM	.002 MG/L		U												
CADMIUM	.005 MG/L		UJ												
CALCIUM	175 MG/L		-												
CHROMIUM	.01 MG/L		U												
COBALT	.01 MG/L		U												
COPPER	.01 MG/L		U												
CYANIDE				.002 MG/L		U									
IRON	3.13 MG/L		-												
LEAD	.002 MG/L		U												
MAGNESIUM	51.3 MG/L		-												
MANGANESE	1.19 MG/L		-												
MERCURY	.0002 MG/L		U												
MOLYBDENUM	.02 MG/L		U												
NICKEL	.02 MG/L		U												
POTASSIUM	.621 MG/L		-												
SELENIUM	.002 MG/L		U												
SILICON	10.5 MG/L		-												
SILVER	.01 MG/L		R												
SODIUM	28.4 MG/L		-												
THALLIUM	.002 MG/L		UJ												
VANADIUM	.01 MG/L		U												
ZINC	.005 MG/L		U												

PESTICIDES

4,4'-DDD .1 UG/L U
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FERNALD ANALYTICAL REPORT
GROUNDWATER - TYPE 1 WELLS

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SAMPLE NUMBER:	062997			062997			062997			046812			046813		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-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															
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										9.56 UG/L	1.04	-	14.5 UG/L	2.3	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							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						

001530

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SAMPLE NUMBER:	062997			062997			062997			046812			046813		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-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		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		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						

SAMPLE NUMBER:	062997			062997			062997			046812			046813		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-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															
ISOPHORONE							10 UG/L		U						
N-NITROSO-DI-N-PROPYLAMINE							10 UG/L		U						
N-NITROSODIPHENYLAMINE							10 UG/L		U						
NAPHTHALENE							10 UG/L		UJ						
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						
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						

SAMPLE NUMBER:	062997			062997			062997			046812			046813		
LAB:	IT/MWL			IT/MWL			IT/MWL			IT			IT		
SUFFIX/FILTERFLAG:	F-FIL			F-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							5 UG/L		U						