000006386

EG&G ROCKY FLATS

INTEROFFICE CORRESPONDENCE

DATE. June 17 1992

TO N P Cypher Liquid Waste Operations Bldg 374 X5782

FROM C D Cowdery Env Research & Technology Bldg DW 051 273 6030
M C Burmeister Remediation Programs Division Bldg T891A x5891

SUBJECT OPERABLE UNIT NO 1 (OU 1) INTERIM MEASURE/INTERIM REMEDIAL ACTION (IM/IRA) 881 HILLSIDE NEUTRALIZATION TANK 210 WATER CDC 006 92

As requested attached are the analytical results for water samples taken from the neutralization tank (210) for water that was sent to the 374 evaporator Three different sampling events are represented with corresponding sample numbers of FT00015ITU1 FT00018ITU1 and FT00036ITU1 These are the sample results that have been received to date

Please note that the elevated volatile concentration in sample number FT00018ITU1 is attributed to some piping work that was performed on the neutralization tank The solvent type cement used to attach the pipe contained methylethylketone (MEK) which is also known as 2 butanone The other volatiles detected were also attributed to the piping work since with the exception of chloroform and toluene they are not contaminants previously detected in the treatment system Furthermore it does not appear that the chloroform or the toluene are originally from the french drain water since other volatiles normally present are absent Due to the presence of volatiles from the CPVC cement this sample is not typical of water sent to the 374 evaporator

A more typical water sample is FT00036ITU1 It is not clear what the source for acetone is since acetone is a common cross contaminant on this type of analysis and might not be the water at all Other contaminant levels are typical of operation since it is not believed that the piping modifications are impacted

Per your request a schedule for when the neutralization tank needs to be emptied is attached A weekly schedule rather than a monthly or yearly schedule was used for accuracy Future schedules will be faxed to you If you have any questions please call M C Burmeister at X5891 or C D Cowdery at 273 6030

CDC:cet

Attachments
As Stated (2)

cc
M B Arndt
C B Gee
T C Greengard
F D Hobbs

REVIEWED FOR CLASSIFICATION/UCNI
By B M Hoffman U/NU
Date 8-25-93

Best Available Copy

ADMIN RECORD 1 of 17

NOTICE:

"BEST AVAILABLE COPY"

PORTIONS OF THE FOLLOWING DOCUMENT ARE ILLEGIBLE

The Administrative Record Staff

EG&G Rocky Fl ts
Env ronmental Nanagement Divi ion
Interlocken Building 080
P O 3ox 464
Golden CO 80402-0464

Category: CHLORIDE
Method: EPA 300 0
Matrix: Water

Report Date: 05/20/92
Sample Date: 04/13/92

Client ID	ITAS ID	Analyte	CAS Number	Blank Sample Name	Prep D te	Analyses Date	Result	Unit	Qual	D tection Limit	Dil
FT00015ITU1	1996 010	Chloride	7647 14 5	QCBLK13088 1	05/07/92	05/07/92	13500	MG/L		5	5000
FT00015ITU1	1996 010DUP	Chloride	7647 14 5	QCBLK13088 1	05/07/92	05/07/92	14100	MG/L		5	5000
FT00015ITU1	1996 010MS	Chloride	7647 14 5	QCBLK13088 1	05/07/92	05/07/92	0	%		5	5000
FT00018ITU1	2017 002	Chloride	7647 14 5	QCBLK13088 1	05/07/92	05/07/92	12700	MG/L		5	5000
Blank Sample	QCBLK13088 1	Chloride	7647 14 5	QCBLK13088 1	05/07/92	05/07/92	5	MG/L	U	5	1
Lab Control Sampl	QCLCS13088 1	Chloride	7647 14 5	QCBLK13088 1	05/07/92	05/07/92	93	%		5	1

EG&G Rocky Flats
Env ronment l Management Divis on
Int locken Building 080
P O Box 464
Golden, CO 80402 v464

Category FLUORIDE
Method EPA 300 0
Matrix Water

Report D te 05/20/92
Sample D t : 04/13/92

Client ID	ITAS ID	An lyte	CAS Numbe	Blank Sample Name	P ep D t	Analyses Date	Result	Unit	Qual	Detection Limit	Dil
F 0^015ITU1	1996 010	Fluorice	10 72 0	QCBLK13089 1	05/08/92	05/08/92	1	MG/L	U	1	1
FT00015ITU1	1996 0100UP	Flue ide	10 72 0	QCBLK13089 1	05/08/92	05/08/92	1	MG/L	U	1	1
FT00018ITU1	2017 002	Fluoride	10 72 0	QCBLK13088 1	05/07/92	05/07/92	1	MG/L	U	1	10
Blank Sample	QCBLK13088 1	Fluoride	10 72 0	QCBLK13088 1	05/07/92	05/07/92	1	MG/L	U	1	1
Blank Sample	QCBLK13089-1	Fluoride	10 72 0	QCBLK13089-1	05/08/92	05/08/92	1	MG/L	U	1	1
Lab Contr l Sample	QCLCS13088 1	Flue ide	10 72 0	QCBLK13088 1	05/07/92	05/07/92	94	%		1	1
LCS AL1286 92	QCLCS13089 1	Fluoride	10 72 0	QCBLK13089 1	05/08/92	05/08/92	93	%		1	1

EG&G Rocky Flats
Environmental Management Division
Interlocken Building 080
P O Box 464
Golden CO 80402 0464

Category: NITRAT /NITRITE
Method: EPA 353 1
Matrix: Water

Report Date: 05/20/92
Sample Date: 04/13/92

Client ID	ITAS ID	Analyte	CAS Number	Blank Sample Name	Prep Date	Analysis Date	Result	Unit	Qual	Detection Limit	Dil
FT00015ITU1	1996 010	Nitrate/Nitrite	10 28	QCBLK12987 1	04/30/92	04/30/92	455	MG/L		1	1
FT00015ITU1	1996-0100UP	Nitrate/Nitrite	10 28 6	QCBLK12987 1	04/30/92	04/30/92	458	MG/L		1	1
FT00015ITU1	1996 010MS	Nitrate/Nitrite	10 28 6	QCBLK12987 1	04/30/92	04/30/92	134	%		1	2
DW00046WCU2	2010-001	Nitrate/Nitrit	10-28-6	QCBLK13096-1	05/13/92	05/13/92	81 4	MG/L		1	100
DW00047WCU2	2010 002	Nitrate/Nitrite	10 28 6	QCBLK13096 1	05/13/92	05/13/92	5 46	MG/L		1	50
FT00018ITU1	2017 002	Nitrate/Nitrite	10 28-6	QCBLK13096-1	05/13/92	05/13/92	29 9	MG/L		1	50
Blank Sample	QCBLK12987 1	Nitrate/Nitrite	10 28 6	QCBLK12987 1	04/30/92	04/30/92	1	MG/L	U	1	1
Blank Sample	QCBLK13096 1	Nitrate/Nitrite	10 28 6	QCBLK13096 1	05/13/92	05/13/92	1	MG/L	U	1	1
Lab Control Sample	QCLCS12987 1	Nitrate/Nitrite	10 28 6	QCBLK12987 1	04/30/92	04/30/92	104	%		1	1
Lab Control Sample	QCLCS13096 1	Nitrate/Nitrit	10 28-6	QCBLK13096 1	05/13/92	05/13/92	109	%		1	1

EG&G Rocky Flats
Environmental Management Division
Interlocken Building 080
P.O. Box 464
Golden CO 80402 0464

Category TSS
M thod EPA 160 2
Matrix W ter

Repo t Dat 05/20/92
Sample Date - 04/13/92

Client ID	ITAS ID	Analyte	CAS Number	Blank Sample Name	Prep Date	Analyses D te	Result	Unit	Qual	Detection Limit	Dil
FT00015ITU1	1996-010	Total Suspended	10 32 2	QCBLK12866-1	04/24/92	04/24/92	17	MG/L		5	1
FT00015ITU1	1996-010DUP	Total Suspended	10 32 2	QCBLK12866 1	04/24/92	04/24/92	18	MG/L		5	1
FT00018ITU1	2017 002	Total Suspended	10 32 2	QCBLK13015 1	05/04/92	05/05/92	129	MG/L		5	1
Blank Sample	QCBLK12866-1	Total Suspended	10 32 2	QCBLK12866-1	04/24/92	04/24/92	5	MG/L	U	5	1
Blank Sample	QCBLK13015 1	Total Suspended	10 32 2	QCBLK13015 1	05/04/92	05/05/92	5	MG/L	U	5	1
Lab Control Sample	QCLCS12866 1	Total Suspended	10 32 2	QCBLK12866-1	04/24/92	04/24/92	96	%		5	1
LCS IP0230 92	QCLCS13015 1	Total Suspended	10 32 2	QCBLK13015 1	05/04/92	05/05/92	91	%		5	1

EG&G Rocky Fl ts
Environmental Management Div sion
Interlocken Building 080
P.O. Box 464
Golden CO 80402 0464

Category TDS
Method EPA 160 1
Matrix Water

Report Date 05/20/92
Sample Date 04/13/92

Client ID	ITAS ID	Analyte	CAS Number	Blank Sample Name	Prep Date	Analyses Date	Result	Unit	Qual	D tection Limit	Dil
FT00015ITU1	1996 010	Total Dissolved	10 33 3	QCBLK12888 1	04/24/92	04/27/92	22800	MG/L		10	1
FT00015ITU1	1996-0100UP	Total Dissolved	10 33 3	QCBLK12888 1	04/24/92	04/27/92	23000	MG/L		10	1
FT00018ITU1	2017 002	Total Dissolved	10 33 3	QCBLK13014 1	05/04/92	05/05/92	22800	MG/L		10	1
Blank Sample	QCBLK12888 1	Total Dissolved	10 33 3	QCBLK12888 1	04/24/92	04/27/92	10	MG/L	U	10	1
Blank Sample	QCBLK13014 1	Total Dissolved	10 33 3	QCBLK13014 1	05/04/92	05/05/92	10	MG/L	U	10	1
Lab Control Sample	QCLCS12888-1	Total Dissolved	10 33 3	QCBLK12888 1	04/24/92	04/27/92	93	%		10	1
LCS IP0231 92	QCLCS13014 1	Total Dissolved	10 33 3	QCBLK13014 1	05/04/92	05/05/92	94	%		10	1

EG&G Rocky Flats
Environmental Management Division
Interlocken Building 080
P O Box 464
Golden CO 80402-0464

Report Date : 05/20/92
Sample Dat 04/13/92

Category SULFATE
M thod EPA 300 0
Matrix Wat r

Client ID	ITAS ID	Analyte	CAS Number	Blank Sample Name	Prep Date	Analyses D te	Result	Un t	Qual	D tection Limit	Dil
FT00015ITU1	1996 010	Sulfate	7778 80 5	QCBLK13088 1	05/07/92	05/07/92	6 63	MG/L		5	1
FT00015ITU1	1996 010DUP	Sulfate	7778 80 5	QCBLK13088 1	05/07/92	05/07/92	6 82	MG/L		5	1
FT00015ITU1	1996-010MS	Sulfate	7778 80 5	QCBLK13088 1	05/07/92	05/07/92	68	%		5	1
FT00018ITU1	2017 002	Sulfat	7778 80 5	QCBLK13088 1	05/07/92	05/07/92	1150	MG/L		5	100
Blank Sample	QCBLK13088 1	Sulfate	7778 80 5	QCBLK13088 1	05/07/92	05/07/92	5	MG/L	U	5	1
LCS AL1282 92	QCLCS13088 1	Sulfate	7778 80 5	QCBLK13088 1	05/07/92	05/07/92	93	%		5	1

EG&G Rocky Flats
Environment & Management Division
Interlocken Building 080
P O Box 464
Golden, CO 80402-0464

Category: ALKALINITY
Method: EPA 310 1
Matrix: Water

Report Date: 05/20/92
Sample Date: 04/13/92

Client ID	ITAS ID	Analyte	CAS Number	Blank Sample Name	Prep Date	Analyses Date	Result	Unit	Qual	Detection Limit	Dil
FT00015ITU1	1996-010	Bicarbonate	10 13 9	GCBLK12889 1	04/27/92	04/27/92	39	MG/L		10	1
FT00015ITU1	1996 010DUP	Bicarbonate	10 13 9	GCBLK12889 1	04/27/92	04/27/92	38 8	MG/L		10	1
FT00018ITU1	2017 002	Bicarbonate	10 13 9	GCBLK13026 1	05/04/92	05/04/92	10	MG/L	U	10	1
Blank Sample	GCBLK12889 1	Bicarbonate	10 13 9	GCBLK12889 1	04/27/92	04/27/92	10	MG/L	U	10	1
Blank Sample	GCBLK13026 1	Bicarbonat	10 13 9	GCBLK13026-1	05/04/92	05/04/92	10	MG/L	U	10	1
Lab Control Sample	GCLCS12889 1	Bicarbonate	10 13 9	GCBLK12889 1	04/27/92	04/27/92	94	%		10	1
Lab Control Sample	GCLCS13026 1	Bicarbonate	10 13 9	GCBLK13026-1	05/04/92	05/04/92	94	%		10	1

EG&G Rocky Flats
Environmental Management Division
Interlocken Building 080
P O Box 464
Golden CO 80402-0464

Category: ALKALINITY
Method: EPA 310 1
Matrix: Water

Report D te : 05/20/92
Sample Dat: 04/13/92

Client ID	ITAS ID	Analyte	CAS Numbe	Blank Sampl Name	Prep D t	Analyses D te	Result	Unit	Qual	Detection Limit	Dil
FT00015ITU1	1996-010	Carbonate	10 14 0	QCBLK12889 1	04/27/92	04/27/92	10	MG/L	U	10	1
FT00015ITU1	1996 01CDUP	Carbonate	10 14 0	QCBLK12889-1	04/27/92	04/27/92	10	MG/L	U	10	1
FT00018ITU1	2017 002	Carbonate	10 14 0	QCBLK13026 1	05/04/92	05/04/92	10	MG/L	U	10	1
Blank Sample	QCBLK12889 1	Carbonate	10 14 0	QCBLK12889-1	04/27/92	04/27/92	10	MG/L	U	10	1
Blank Sample	QCBLK13026 1	Carbonate	10 14 0	QCBLK13026-1	05/04/92	05/04/92	10	MG/L	U	10	1

ANALYTICAL SUMMARY REPORT

BATCH NO	AEB LOG NO / CLIENT NO	ANALYTE	MATRIX	ANALYSIS DATE	ANALYSIS TIME	VOL/ MASS	AI	TRACER SPIKE ACT	COUNT TIME (MIN)	CPM OR COUNTS	OBSERVED ACTIVITY pCi/L	DET NO	DET EFF	FWHM	PERCENT UNCERT	PANEL CODE	RID	CASE NUMBER	RETENTION TIME	DETECTION LIMIT (pCi/L)	PERCENT YIELD	2 SIGMA ERROR
135	9200179/FT000151TU1	Am 243	WATER	05/31/92	00 05	1 6L	AS	5 33	960	1898 0	TRACER	6	0 3876	47 654		DRADS	MS	N/A	60 DAYS	N/A	95 70	
		Am 241	WATER	05/31/92	00:05	1 6L	AS		960	3 0	0 002	6	0 3876	N/A	88 222	DRADS	TRG	14596-10 2	60 DAYS	0 01		0 0035
		Pu 242	WATER	05/28/92	11:27	1 6L	AS	4 704	960	1255 0	TRACER	13	0 3818	99 144		DRADS	MS	N/A	60 DAYS	N/A	72 79	
		Pu 239	WATER	05/28/92	11:27	1 6L	AS		960	1 0	0 001	13	0 3818	N/A	323 627	DRADS	TRG	10-12-8	60 DAYS	0 01		0 0045
		Pu 238	WATER	05/28/92	11:27	1 6L	AS		960	0 0	0	13	0 3818	N/A	0	DRADS	TRG	N/A	60 DAYS	0 01		0 0000
		Pu 236	WATER	05/28/92	11 27	1 6L	AS		960	4 0	0 005	13	0 3818	N/A	61 313	DRADS	TRG	N/A	60 DAYS	N/A		0 0061
		U 232	WATER	06/01/92	17 01	1 6L	AS	4 5	960	2225 0	TRACER	8	0 3692	49 588		DRADS	MS	N/A	60 DAYS	N/A	139 50	
		U 234	WATER	06/01/92	17 01	1 6L	AS		960	154 0	0 081	8	0 3692	29 556	8 333	DRADS	TRG	11 08 5	60 DAYS	0 60		0 0135
		U 235	WATER	06/01/92	17 01	1 6L	AS		960	6 0	0 004135	8	0 3692	N/A	40 88	DRADS	TRG	15117 96 1	60 DAYS	0 60		0 0034
		U 238	WATER	06/01/92	17 01	1 6L	AS		960	135 0	0 054054	8	0 3692	56 156	8 926	DRADS	TRG	7440 60-1	60 DAYS	0 60		0 0096
		H-3	WATER	06/02/92	09 44	10mL	LS		30	0 0	0	1	0 7900	N/A	0	DRADS	TRG	10028-17 8	60 DAYS	400 00		
		Cs 134	WATER	05/20/92	21:36	2 0L	GS		240	0 0	<LLD	2		N/A	0	DRADS	TRG	13967 70-9	60 DAYS	2 28		
		Cs 137	WATER	05/20/92	21 36	2 0L	GS		240	0 0	<LLD	2		N/A	0	DRADS	TRG	10045-97 3	60 DAYS	2 09		
		Sr-90	WATER	06/02/92	08:51	1 0L	LS		20	708 0	844 73	1	0 7900	N/A	0	DRADS	TRG	11 10-9	60 DAYS	1 00		
		G/ALPHA	WATER	06/03/92	13 58	500mL	LS		30	2 3	2 072072	1	0 9000	N/A	0	DRADS	TRG	10-79 7	60 DAYS	2 00		
		G/BETA	WATER	06/03/92	13 58	500mL	LS		30	5	-0 45045	1	0 9000	N/A	0	DRADS	TRG	10-81 1	60 DAYS	4 00		
135	9200179/FT000161TU1	Am-243	WATER	05/28/92	11 27	1 6L	AS	5 33	960	1495 0	TRACER	12	0 3767	51 634		DRADS	MS	N/A	60 DAYS	N/A	77.56	
		Am-241	WATER	05/28/92	11:27	1 6L	AS		960	0 0	0	12	0 3767	N/A	0	DRADS	TRG	14596 10-2	60 DAYS	0 01		0 0000
		Pu-242	WATER	05/29/92	17 14	1 6L	AS	4 704	960	1631 6	TRACER	14	0 3688	66 887	41 81	DRADS	MS	N/A	60 DAYS	N/A	97.97	
		Pu 239	WATER	05/29/92	17 14	1 6L	AS		960	0 0	0	14	0 3688	N/A	0	DRADS	TRG	10-12 8	60 DAYS	0 01		0 0000
		Pu-238	WATER	05/29/92	17 14	1 6L	AS		960	3 0	0 003	14	0 3688	N/A	73 038	DRADS	TRG	N/A	60 DAYS	0 01		0 0044
		Pu 236	WATER	05/29/92	17 14	1 6L	AS		960	5.0	0 005	14	0 3688	N/A		DRADS	TRG	N/A	60 DAYS	N/A		0 0000
		U-232	WATER	06/01/92	17 19	1 6L	AS	4 5	960	902 0	TRACER	9	0 3647	50 140		DRADS	MS	N/A	60 DAYS	N/A	57 25	
		U 234	WATER	06/01/92	17 19	1 6L	AS		960	21 0	0 027027	9	0 3647	N/A	24 967	DRADS	TRG	11 08 5	60 DAYS	0 60		0 0135
		U-235	WATER	06/01/92	17 19	1 6L	AS		960	6 0	0 010189	9	0 3647	N/A	40 961	DRADS	TRG	15117-96 1	60 DAYS	0 60		0 0083
		U-238	WATER	06/01/92	17 19	1 6L	AS		960	18 0	0 021837	9	0 3647	N/A	27 42	DRADS	TRG	7440-60-1	60 DAYS	0 60		0 0130

TK 210

TK 206 sampled 4 24

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Checked By Andionette Andrews Date June 3, 1992

Approved By [signature] Date 6/3/92

ANALYTICAL SUMMARY REPORT

BATCH NO	AEB LOG NO / CLIENT NO	ANALYTE	MATRIX	ANALYSIS DATE	ANALYSIS TIME	VOL/ MASS	AI	TRACER SPIKE ACT	COUNT TIME (MIN)	CPM OR COUNTS	OBSERVED ACTIVITY pCi/L	DET NO.	DET EFF	FWHM	PERCENT UNCERT	PANEL CODE	RID	CASE NUMBER	RETENTION TIME	DETECTION LIMIT (pCi/L)	PERCENT YIELD	2 SIGMA ERROR
		H-3	WATER	06/02/92	09 44	10mL	LS		30	1 3	1 97	1	0 7900	N/A	0	DRADS	TRG	10028-17-8	60 DAYS	400 00		
		Cs 134	WATER	05/21/92	08 17	2 0L	GS		240	0 0	CLD	2		N/A	0	DRADS	TRG	13967 70-9	60 DAYS	2 23		
		Cs-137	WATER	05/21/92	08 17	2 0L	GS		240	0 0	CLD	2		N/A	0	DRADS	TRG	10045-97 3	60 DAYS	2 15		
		Sr-90	WATER	06/02/92	08 51	1 0L	LS		30	909 4	1165 29	1	0 7900	N/A	0	DRADS	TRG	11 10 9	60 DAYS	1 00		
		G/ALPHA	WATER	06/03/92	13 58	500mL	LS		30	0 4	0 360360	1	0 9000	N/A	0	DRADS	TRG	10-79 7	60 DAYS	2 00		
		G/BETA	WATER	06/03/92	13 58	500mL	LS		30	4 2	3 78378	1	0 9000	N/A	0	DRADS	TRG	10-81 1		4 00		
135	9200180/PT00018ITU1	Pu-242	WATER	05/31/92	00 05	1 6L	AS	4 704	960	242 0	TRACER	1	0 3883	6 920		DRADS	MS	N/A	60 DAYS	N/A	13 80	
		Pu-239	WATER	05/31/92	00 05	1 6L	AS		960	150 0	0 032	1	0 3883	9 273	10 761	DRADS	TRG	10-12 8	60 DAYS	0 01		0 0869
		Pu 238	WATER	05/31/92	00 05	1 6L	AS		960	0 0	0	1	0 3883	N/A	0	DRADS	TRG	N/A	60 DAYS	0 01		0 0000
		Pu-236	WATER	05/31/92	00:05	1 6L	AS		960	0 0	0	1	0 3883	N/A	0	DRADS	TRG	N/A	60 DAYS	N/A		0 0000
		U-232	WATER	05/27/92	09 48	1 6L	AS	4 5	960	919 0	TRACER	3	0 3892	43 120		DRADS	MS	N/A	60 DAYS	N/A	54 66	
		U-234	WATER	05/27/92	09 48	1 6L	AS		960	26 0	0 033	3	0 3892	N/A	21 333	DRADS	TRG	11 08 5	60 DAYS	0 60		0 0141
		U-235	WATER	05/27/92	09 48	1 6L	AS		960	23 0	0 038	3	0 3892	N/A	21 121	DRADS	TRG	15117-96 1	60 DAYS	0 60		0 0161
		U-238	WATER	05/27/92	09 48	1 6L	AS		960	15 0	0 018	3	0 3892	N/A	29 253	DRADS	TRG	7440-60-1	60 DAYS	0 60		0 0105
		H-3	WATER	06/02/92	08 47	10mL	LS		30	0 6	1 93	1	0 7900	N/A	0	DRADS	TRG	10028-17-8	60 DAYS	400 00		
		Sr-90	WATER	06/02/92	09 21	1 0L	LS		30	969 8	1128 57	1	0 7900	N/A	0	DRADS	TRG	11 10-9	60 DAYS	1 00		
		G/ALPHA	WATER	06/03/92	13 58	500mL	LS		30	2 0	1 801801	1	0 9000	N/A	0	DRADS	TRG	10-79 7	60 DAYS	2 00		
		G/BETA	WATER	06/03/92	13 58	500mL	LS		30	3 0	2 702702	1	0 9000	N/A	0	DRADS	TRG	10-81 1	60 DAYS	4 00		

TK-210
4-30 sampl date

11 of 17

Checked By W. Hedrick Anderson Date: 6/3/92

Approved By [illegible] Date 6/3/92

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

FT00018ITU1

Lab Name ITAS-ST LOUIS Contract 26201

Lab Code ITAS Case No -- SAS No SDG No ---

Matrix (soil/water) Water Lab Sample ID 2017-002

Sample wt/vol 5 (g/ml) ml Lab File ID <>B2622

Level (low/med) LOW Date Received ~~08/08/88~~ 05/02/92 5/20/9

% Moisture not dec - Date Analyzed 05/04/92

Column (pack/cap) CAP Dilution Factor 1

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) ------	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75 00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	7	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	50	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1 1 2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	17	B
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1 1 2 2-Tetrachloroethane	5	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	6	
1330-20-7	Xylene (total)	3	J

T-210 NEUTRALIZED WASTE

U S EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

0000006 EPA SAMPLE NO

FT0001BITU1

ab Name ITAS_PITTSBURCH_ Contract EGG_ROCKY

ab Code ITPA_ Case No 04918 SAS No SDG No P265

atrix (soil/water) WATER Lab Sample ID 020505101

evel (low/med) LOW Date Received 05/07/92

% Solids 0 0

Concentration Units (ug/L or mg/kg dry weight) UG/L_

CAS No	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	532		E	P
7440-36-0	Antimony	18 0	U		P
7440-39-3	Barium	977		E	P
7440-41-7	Beryllium	1 0	U		P
7440-43-9	Cadmium	3 3	B		P
7440-70-2	Calcium	702000			P
7440-47-3	Chromium	36 6			P
7440-48-4	Cobalt	4 0	U		P
7440-50-8	Copper	151			P
7439-89-6	Iron	5130		E	P
7439-95-4	Magnesium	206000		E	P
7439-96-5	Manganese	151			P
7440-02-0	Nickel	98 4			P
7440-09-7	Potassium	36700			P
7440-22-4	Silver	2 0	U		P
7440-23-5	Sodium	7400000			P
7440-62-2	Vanadium	48 8	B		P
7440-66-6	Zinc	1410			P
7439-98-7	Molybdenu	25 7	B		P
7440-31-5	Tin	23 0	U		P
7440-24-6	Strontium	4280		E	P
7439-93-2	Lithium	107			P
7440-21-3	Silicon	4250			P

Color Before COLORLESS Clarity Before CLEAR_ Texture _

Color After COLORLESS Clarity After CLEAR_ Artifacts _

Comments

FORM I - IN

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SENT BY ITAS PGH LAB 05-12-92 05 17PM 4123277231→ # 2

U S EPA - CLP

1 0000007 EPA SAMPLE NO

INORGANIC ANALYSES DATA SHEET

FT00018ITV1

b Name ITAS_PITTSBURGH_____ Contract EGG_ROCKY_

b Code ITPA_ Case No 04918 SAS No _ ___ SDG No P265_

trix (soil/water) WATER Lab Sample ID Q20505101

vel (low/med) LOW_ Date Received 05/07/92

olids 0 0

Concentration Units (ug/L or mg/kg dry weight) UG/L_

CAS No	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	10	U		F
7439-92-1	Lead	91		SN*	F
7439-97-6	Mercury	0.21			CV
7782-49-2	Selenium	37.2	B	S*	F
7440-28-0	Thallium	2.0	U	WN	F
7440-46-2	Cesium	70.0	B	N	A

olor Before COLORLESS Clarity Before CLEAR_ Texture _____

olor After COLORLESS Clarity After CLEAR_ Artifacts _____

omments

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

FT000361TU1

Name: IT PITTSBURGH Contract: 304918

Lab Code ITPA Case No : 04918 SAS No : _____ SDG No : P276

Matrix (soil/water) WATER Lab Sample ID: Q20518901

Sample wt/vol: 5 0 (g/mL) ML Lab File ID: 6050529D

Level: (low/med) LOW Date Received: 05/28/92

% Moisture: not dec ____ Date Analyzed: 05/29/92

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	22	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1 2-Dichloroethene (total)	5	U
67-66-3	Chloroform	2	BJ
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VCL 6/2/92

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BLDG 891 TANKER SCHEDULE

WEEK OF 6 14 to 6 20

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	6-14-92	6-15	6-16	6-17	6-18	6-19	6-20-92
7:00 9 00 a m.				No d Tanker			n ed tanker
9.00 11 00a m							
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12 00 2 00p m					Pick up tanker		
2.00 4 00p m							

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BLDG. 891 TANKER SCHEDULE

WEEK OF 6 21 to 6 27

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	6-21-92	6 22	6-23	6-24	6 25	6-26	6-27-92
7:00 9 00 a m				Need tanker			Need t nker
9:00 11 00a m							
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12 00 2 00p m							
2 00-4 00p m	Pick up tanker				Pick up tanker		

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