



# Anson Environmental

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Environmental Audits  
- Hazardous Waste  
Asbestos Management  
Groundwater Remediation  
Storage Tank Management  
Impact Statements  
Wetland Investigations

February 4, 1992

Dorothy Allen, Project Manager  
United States Environmental Protection Agency, Region II  
26 Federal Plaza  
New York, NY 10278

Re: Administrative Order Index No. II CERCLA-90208

Anchor Chemical Site  
500 West John Street, Hicksville, NY

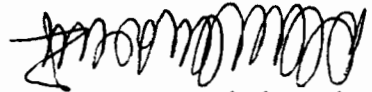
Dear Mrs. Allen:

Enclosed please find copies of the data sheets for the samples taken to date at the above referenced Site. The data for the original sampling of the nine drywells and catch basin and indoor borings 5 & 6 and the re-sampling of drywells 1-4 for mercury and cyanide have been validated and are presented in the validated format from Environmental Standards Inc.

The unvalidated data for the monitoring wells 1D, 4 and 6 and indoor borings 3 & 4 are enclosed from both CEIMIC (inorganics) and Intech Biolabs (organics). The unvalidated data for indoor borings 1 & 2 and the re-sampling of the remaining drywells from CEIMIC Labs is also enclosed. The organic data for the last two borings has not yet been received from Intech Biolabs but we understand it will be available shortly.

We trust this is satisfactory for your purposes. If you have any questions, please do not hesitate to call.

Very truly yours,



Dean Anson II

Co-Facility Coordinator

cc: Richard G. Leland, Esq.  
Mr. Arthur D. Sanders

w/out enclosures:

Stanley Sucharski, BB&L  
Fred Wertel, Spiegel Associates  
James Doyle, Esq., USEPA  
Doug Sullivan, Alliance Technologies

300322



**Validated Data**

**All Drywells  
(first sampling)**

EX-11 ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Amcon Environmental Sample Number	DM2	DM3	DM4	Tri-IP Blank	DM1	DM5	DM6	DM7	DM8	DM9	DRATH	RR-1	Tri-IP Blank	DM10/MSD
Laboratory Sample Number	8095-01	8095-02	8095-03	8095-04	8103-01	8103-02	8103-03	8103-04	8103-05	8103-06	8103-07	8103-10	8103-11	8103-08
Remarks	Analyzed Tulce	Analyzed Tulce	Analyzed Tulce	Analyzed Tulce	Analyzed Tulce	Analyzed Tulce			Analyzed Tulce					Duplicate of DM1
Units	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg
SEMI-VOLATILE COMPOUNDS	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)	Quant. Limit (ug)
Hexachlorocyclopentadiene	10	330		MA									MA	
2,4,6-Trichlorophenol	10	330		MA									MA	
2,4,5-Trichlorophenol	50	1650		MA									MA	
2-Chloronaphthalene	10	330		MA									MA	
2-Nitroaniline	50	1650	R/-	MA			R	R	R/-	R	R		MA	-/R
Dimethylphthalate	10	330		MA									MA	
Acenaphthylene	10	330		MA									MA	
3-Nitroaniline	50	1650		MA									MA	
Acenaphthene	10	330		MA									MA	
2,4-Dinitrophenol	50	1650		MA									MA	
4-Nitrophenol	50	1650		MA									MA	
Dibenzofuran	10	330		MA									MA	
2,4-Dinitrotoluene	10	330		MA									MA	
2,6-Dinitrotoluene	10	330		MA									MA	
Dibethylphthalate	10	330		MA									MA	
4-Chlorophenylphenylether	10	330		MA									MA	
Fluorene	10	330		MA									MA	
4-Nitroaniline	50	1650		MA									MA	
4,6-Dinitro-2-Methylphenol	50	1650		MA									MA	
4-Nitrosodiphenylamine	10	330		MA									MA	
4-Bromophenylphenylether	10	330		MA									MA	
Hexachlorobenzene	10	330		MA									MA	
Pentachlorophenol	50	1650		MA									MA	
Phenanthrene	10	330	370 J/320 J	MA					1800 J/1500 J			260 J	MA	70 J/81 J

300325

Lab Anson Environmental Laboratory Sample Number	Quant.		Trip Blank	Sample		DMS	DME	DM7	DM9	DM9	DRLM	RB-1	Trip Blank	DMLMS/MSD
	Limit (ug)	Limit (So1)		8095-02	8095-04									
Remarks	Analyzed Twice	ug/kg	ug/L	Analyzed Twice	ug/kg	Analyzed Twice	ug/kg	ug/kg	ug/kg	Analyzed Twice	ug/kg	ug/L	ug/L	Duplicate of DM1
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg
SEMI-VOLATILE COMPOUNDS	10	330	NA	NA	NA	63 J/72 J	390 J/-					NA	NA	Analyzed Twice
Naphthalene	10	330	2400 J/2500 J	NA	NA		390 J/-					NA	NA	6300 U/ 5900 U
1,1-Dimethyl-2,2,4-trimethylcyclohexane	10	330	300 J/-	700 J/810 J	NA	-/34 J	3700/5400	610 J	610 J			NA	NA	1110 J/140 J
Fluoranthene	10	330	5100/5200	1100 J/1100 J	NA		3700/6500	310 J	320 J			NA	NA	1100 J/240 J
Pyrene	10	330			NA			370 J	300 J			NA	NA	1100 J/170 J
Butylbenzophthalate	20	660			NA			03/-				NA	NA	03/-
Benz(a)anthracene	10	330			NA			03/-				NA	NA	03/-
1,2,3,4-Dibenz(a,h)anthracene	10	330	25,000/27,000	7900 U/ 9100 U	NA	1500 U/ 1000 U	5900 U/ 12,000 U	5000 U	2700 U			NA	NA	6300 U/ 5900 U
Chrysene	10	330		520 J/590 J	NA	03/-	1500 J/2400 J	250 J	230 J			NA	NA	120 J/110 J
1,1-Dimethyl-2,2,4-trimethylcyclohexane	10	330	03/03	03/03	NA	03/03	03/03	03/03				NA	NA	160 J/03
Benz(b)fluoranthene	10	330	03/03	1000 J/1000 J	NA	03/03	2500 J/2700 J					NA	NA	110 J/120 J
Benz(k)fluoranthene	10	330	03/03	560 J/590 J	NA	03/03	1700 J/1700 J					NA	NA	72 J/70 J
Benz(a)pyrene	10	330	03/03	500 J/590 J	NA	03/03	1400 J/1300 J					NA	NA	03/03
Indeno(1,2,3-cd)pyrene	10	330	03/03	03/03	NA	03/03	03/1500 J					R	NA	R/03
1-Benz(a,h)anthracene	10	330	03/03	03/03	NA	03/03	03/03					R	NA	R/03
Benz(g,h,i)perylene	10	330	03/03	03/03	NA	03/03	03/03					R	NA	R/03
Quantitation Limit Multiplier	8.48	9.09	6.97	6.97	NA	6.67	9.09	5.45	6.97	5.76	1.00	1.00	NA	1.03
Date of Sample Collection	8/10/91	8/10/91	8/10/91	8/10/91	NA	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91
Date Sample Received by Laboratory	8/11/91	8/11/91	8/11/91	8/11/91	NA	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91
Date Sample Extracted	8/14/91	8/14/91	8/14/91	8/14/91	NA	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91
Date of Sample Analysis	8/28 & 8/29	8/28 & 8/29	8/30 & 8/31	8/30 & 8/31	NA	8/30 & 8/31	8/27 & 8/29	8/27/91	8/27/91	8/27/91	8/28/91	8/23/91	8/23/91	8/23 & 8/28
Instrument Used for Analysis	MS-59958	MS-59958	MS-59958	MS-59958	NA	MS-59958	MS-59958	MS-59958	MS-59958	MS-59958	MS-59958	MS-59958	MS-59958	MS-59958

UNLIMITED QUANTITIES - ALL SOLIDS REPORTED ON A UNIT WEIGHT BASIS

ANON ENVIRONMENTAL SAMPLE NUMBER	DMS	TRIP BLANK	DMS	DMS	DMS	TRIP BLANK	DMS	DMS	DMS	DRAIN	TRIP BLANK	DMS
LABORATORY SAMPLE NUMBER	DMS	DMS	DMS	DMS	DMS	DMS	DMS	DMS	DMS	DMS	DMS	DMS
REMARKS	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
UNITS	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
NONVOLATILE COMPONENTS												
Hexane	10,000 J											
Unknown Hydrocarbons (Number of Peaks)	55,000(S) J 71,500(10) J											
C9H12 Alkylbenzene	600,000(4) J 6000 J											
Laboratory Artifacts	10 R						5 R			8 R 10 R 23 R		
SEMI-VOLATILE COMPONENTS						NA					NA	
Saturated Hydrocarbon (Number of Peaks)	246,000(13) J/190,000(15) J/ 351,500(13) J/77,900(15) J		400(3) J/ 3400(3) J				1500(1) J 12,970(7) J/ 14,200(5) J			167,000(4) J/ 161,300(3) J		1720(13) J/ 10,200(15) J
C9H12 Alkylbenzenes	29,500(S) J/15,600(2) J/ 92,000(4) J 6300 J											
Unknowns (Number of Peaks)	100,300(4) J/112,000(2) J/ 151,000(5) J 15,600(4) J		4140(3) J/ 3920(2) J				7370(3) J/ 9200(3) J 3530(13) J			16,000(8) J/ 11,000(6) J		8960(8) J/ 3380(4) J
Decahydronaphthalene Isomer	2800 J/ 11,000 J		4500 J									
Alkyl-substituted Cyclohexane	3100 J/ 13,000 J		13,500 J/ 11,100 J			3300 J/-						
Hexadecanoic Acid	-/175,000 J											
Alkyl-substituted Phenol			3600 J									
Oxygenated PAH			2700 J/3000 J									
C10H22 Alkylbenzene			1600 J/ 2500 J									
1-Phenyl-1,2-propanedione			-/2100 J				240 J/270 J			1500 J/1500		930 J

EXTRA...c ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Amson Environmental Sample Number	D482	D483	D484	Trip Blank 810	D481	D485	D486	D487	D488	D489	D490	Trip Blank 811	D481
Laboratory Sample Number	8095-01	8095-02	8095-03	8095-04	8103-01	8103-02	8103-03	8103-04	8103-05	8103-06	8103-07	8103-11	8103-00
Units	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/kg
PESTICIDES	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))	Quant. (Limit (ug))
alpha-BHC	0.05	0		NA	NA							NA	
beta-BHC	0.05	0	UJ	NA	NA	UJ	UJ	UJ	UJ	0.2 J	UJ	NA	
delta-BHC	0.05	0	R	NA	NA	R	R	R	R	R	R	NA	
gamma-BHC (Lindane)	0.05	0		NA	NA							NA	
Heptachlor	0.05	0	UJ	NA	NA	UJ	UJ	UJ	UJ	UJ	UJ	NA	
Aldrin	0.05	0	UJ	NA	NA	UJ	UJ	UJ	UJ	UJ	UJ	NA	5.1 J
Heptachlor Epoxide	0.05	0	UJ	NA	NA	UJ	UJ	UJ	UJ	UJ	UJ	NA	
Endosulfan I	0.05	0		NA	NA							NA	
Dieldrin	0.10	16	106 J	NA	NA	UJ	18 J	19 J	42 J	UJ	UJ	NA	
4,4'-DDE	0.10	16	146 J	NA	NA	UJ	75 J	10 J	40 J	UJ	UJ	NA	
Endrin	0.10	16	36	NA	NA				12 J			NA	
Endosulfan II	0.10	16		NA	NA	R	R	R	R	R	R	NA	
4,4'-DDD	0.10	16		NA	NA	R	R	R	R	R	R	NA	
Endosulfan Sulfate	0.10	16		NA	NA	R	R	R	R	R	R	NA	
4,4'-DDT	0.10	16		NA	NA	UJ	UJ	UJ	UJ	UJ	UJ	NA	
Heptachlor	0.50	00	22 J	NA	NA	UJ	24 J	7.5 J	52 J	14 J	UJ	NA	
Endrin Ketone	0.10	16		NA	NA	R	R	R	R	R	R	NA	
alpha-Chlordane	0.50	00		NA	NA	UJ	UJ	UJ	UJ	UJ	UJ	NA	7.7 J
gamma-Chlordane	0.50	00		NA	NA	UJ	UJ	3.4 J	29 J	UJ	UJ	NA	6.2 J
Toxaphene	1.0	160		NA	NA							NA	

Sample Number	DW2	DW3	DW4	Trip Blank	DW1	DW5	DW6	DW7	DW8	DW9	DW10	Trip Blank	DW15/NSD
Anson Environmental	8895-01	8895-02	8895-03	8895-04	8103-01	8103-02	8103-03	8103-04	8103-05	8103-06	8103-10	811	8103-08
Laboratory Sample Number	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg
Remarks													
Units	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/kg
PCBs													
Quant. Limit (ug)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Quant. Limit (Sol)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Araclor-1816													
Araclor-1221													
Araclor-1232													
Araclor-1242													
Araclor-1240													
Araclor-1254													
Araclor-1268													
Quantitation Limit Multiplier	0.69	0.75	0.58	NA	NA	0.43	0.75	0.49	0.74	0.59	1.08	NA	0.54
Date of Sample Collection	8/10/91	8/10/91	8/10/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91
Date Sample Received by Laboratory	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/11/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91	8/12/91
Date Sample Extracted	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91	8/14/91
Date of Sample Analysis	8/27/91	8/28/91	8/28/91	8/28/91	8/28/91	8/28/91	8/28/91	8/28/91	8/28/91	8/28/91	8/27/91	8/27/91	8/27/91

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- W This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.



LE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number		[DM1 25--27] [DM1 30--32] Field Blank [DM6 35--37] [DM6 30--32] Trip Blank [DM7 40--42] [DM7 45--47] Field Blank [DM7A 45--47] [DM7 55--57] [DM7A 45--47] Field Blank [Trip Blank		821		822		823		824-04		824-05		824-06		822-07	
Laboratory Sample Number	8200-01	8200-02	8200-03	8215-01	8215-02	8215-03	8215-04	8224-01	8224-02	8224-03	8224-04	8224-05	8224-06	8224-07	8231	8232	8224-07
Units	ug/kg	ug/kg	ug/l	ug/kg	ug/kg	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Quantitation Limit (Aq)	Quantitation Limit (Soil)																
Chloroethane	10	10															
Bromoethane	10	10															
Vinyl Chloride	10	10															
Chloroethane	10	10															
Methylene Chloride	5	5	1500 U	1200 U	4 J	1000 U	5 U	5 U	5 U	5 U	5 U	4 J	4 J	5 U	4 J	4 J	5 J
Acetone	10	10	5000 R	4000 R	46 J	4200 R	22 R	5 R	5 R	5 R	5 R	5 R	5 R	5 R	5 R	22 J	
Carbon Disulfide	5	5															
1,1-Dichloroethane	5	5															
1,1-Dichloroethane	5	5															
Total 1,2-Dichloroethane	5	5															
Chloroform	5	5															
1,2-Dichloroethane	5	5															
2-Butanone	10	10															
1,1,1-Trichloroethane	5	5															
Carbon Tetrachloride	5	5															
Vinyl Acetate	10	10															
Bromochloromethane	5	5															
1,1,1,2-Tetrachloroethane	5	5															
1,2-Dichloropropane	5	5															
trans-1,3-Dichloropropane	5	5															
Trichloroethane	5	5															
Dibromochloroethane	5	5															
1,1,2-Trichloroethane	5	5															
Benzene	5	5															

ANALYSIS: ANALYTICAL METHOD: ALL SOLIDS REPORTED ON A DRY BASIS

Sample Number	DMR 25'-27'	DMR 30'-32'	Field Blank DMR 35'-37'	DMR 30'-32'	Trip Blank 822	Field Blank 822	DMR 40'-42'	DMR 45'-47'	DMR 55'-57'	DMR 45'-47'	Field Blank 823	Trip Blank 823
Anson Environmental Sample Number	8200-01	8200-02	8200-03	8215-01	8215-02	8215-03	8224-01	8224-02	8224-03	8224-04	8224-05	8224-06
Laboratory Sample Number									Analyzed twice	Duplicate of DMR 45'-47'		
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
VOLATILE COMPOUNDS												
Quantitation Limit (ug)	5	5										
Quantitation Limit (Sol)												
cis-1,3-Dichloropropene												
Bromoform												
2-Hexanone												
4-Methyl-2-Pentanone												
Tetrachloroethene												
Toluene												
Chlorobenzene												
Ethylbenzene												
Styrene												
Total Xylenes												
Quantitation Limit Multiplier	130	130	1.0	130	1.1	1.0	1.0	1.0	1.2	1.0	1.0	1.0
Date of Sample Collection	8/21/91	8/21/91	8/21/91	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91
Date Sample Received by Laboratory	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	8/23/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91
Date of Sample Analysis	8/30/91	8/30/91	8/29/91	8/30/91	8/29/91	8/29/91	8/29/91	8/29/91	8/29 & 9/30	8/29/91	8/29/91	8/29/91
Instrument Used for Analysis	MS-5995 C	MS-5995 C	MS-5995 D	MS-5995 C	MS-5995 A	MS-5995 D	MS-5995 A	MS-5995 A	MS-5995 A	MS-5995 A	MS-5995 D	MS-5995 D

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UD This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300331

EXTR ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Environmental Sample Number	Quantitation Limit (ug)	Quantitation Limit (Sol)	04M1 25-27'	04M1 30'-32'	Field Blank 04M6 35'-37'	04M6 30'-32'	Field Blank 04M7 40'-42'	04M7 45'-47'	04M7 55'-57'	Field Blank 04M7 65'-67'	Field Blank 04M7 70'-72'	Field Blank 04M7 75'-77'	Field Blank 04M7 80'-82'	Field Blank 04M7 85'-87'	Field Blank 04M7 90'-92'	Field Blank 04M7 95'-97'	Field Blank 04M7 100'-102'	Field Blank 04M7 105'-107'
Laboratory Sample Number			8200-01	8200-02	8200-03	8215-01	8215-02	8215-03	8215-04	8224-01	8224-02	8224-03	8224-04	8224-05	8224-06	8224-07		
Remarks			ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L		
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L		
Phenol	10	330						NA										
Bis(2-Chloroethyl) ether	10	330						NA										
2-Chlorophenol	10	330						NA										
1,3-Dichlorobenzene	10	330						NA										
1,4-Dichlorobenzene	10	330						NA										
Benzyl Alcohol	10	330						NA										
1,2-Dichlorobenzene	10	330						NA										
2-Nitrophenol	10	330						NA										
Bis(2-Chloroisopropyl) ether	10	330						NA										
4-Nitrophenol	10	330						NA										
m-Nitro-cresol-n-Propylamine	10	330						NA										
Hexachlorocyclohexane	10	330						NA										
MTCB	10	330						NA										
Isophenone	10	330						NA										
2-Nitrophenol	10	330						NA										
2,4-Dimethylphenol	10	330						NA										
Benzaldehyde	50	1650						NA										
Bis(2-Chloroethoxy)methane	10	330						NA										
2,4-Dichlorophenol	10	330						NA										
1,2,4-Trichlorobenzene	10	330						NA										
Naphthalene	10	330						NA										
4-Chloronitrobenzene	10	330						NA										
Hexachlorocyclopentadiene	10	330						NA										
4-Chloro-3-Methylphenol	10	330						NA										
2-Methylnaphthalene	10	330						NA										

ANALYTICAL BASIS	LTS	IDIS RE	H A DR1	BASIS	Sample Number		Field Blank		DMW 45'-47'		DMW 55'-57'		DMW 15'-47'		DMW 40'-42'		Field Blank		Trip Blank		
					DMW 25'-27'	DMW 30'-32'	DMW 35'-37'	DMW 38'-32'	DMW 38'-32'	DMW 38'-32'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'
ANALYTICAL BASIS	LTS	IDIS RE	H A DR1	BASIS	DMW 25'-27'	DMW 30'-32'	DMW 35'-37'	DMW 38'-32'	DMW 38'-32'	DMW 38'-32'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'
ANALYTICAL BASIS	LTS	IDIS RE	H A DR1	BASIS	DMW 25'-27'	DMW 30'-32'	DMW 35'-37'	DMW 38'-32'	DMW 38'-32'	DMW 38'-32'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'	DMW 45'-47'
Hexachlorocyclopentadiene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzylphthalate	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzylphthalate	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenylphenylether	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenylphenylether	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	50	1650			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	10	330			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

300333

SECT ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	DMR 25'-27'	DMR 30'-32'	DMR 35'-37'	DMR 30'-32'	DMR 35'-37'	DMR 30'-32'	DMR 35'-37'	DMR 40'-42'	DMR 45'-47'	DMR 55'-57'	DMR 7A 45'-47'	Field Blank	Trip Blank	Field Blank	Trip Blank	Field Blank	Trip Blank
	8200-01	8200-02	8200-03	8215-01	8215-02	8215-03	8215-04	8224-01	8224-02	8224-03	8224-04	823	8231	8224-05	8224-06	8232	8224-07
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (Sol)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (Sol)	Quantitation Limit (Sol)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (Sol)	Quantitation Limit (Sol)	Quantitation Limit (Sol)	Quantitation Limit (Sol)	Quantitation Limit (Sol)	Quantitation Limit (Sol)
Anthracene	10	330															
DL-n-Butylphthalate	10	330															
Fluoranthene	10	330															
Pyrene	10	330															
Butylbenzylphthalate	10	330															
3,3'-Dichlorobenzidine	20	660															
Benzo(a)anthracene	10	330															
bis(2-Ethylhexyl)phthalate	10	340 U	340 U	340 U	2100 U	MA			340 U								
Chrysene	10	330															
DL-n-Butylphthalate	10	330															
Benzo(b)fluoranthene	10	330															
Benzo(k)fluoranthene	10	330															
Benzo(a)pyrene	10	330															
Indeno(1,2,3-cd)pyrene	10	330															
Benz(a,h)anthracene	10	330															
Benzo(g,h,i)perylene	10	330															
Quantitation Limit Multiplier	1.03	1.03	1.00	1.03	1.06	MA	1.00	1.03	1.03	1.21	1.00	1.00	MA	1.00	MA	MA	MA
Date of Sample Collection	8/21/91	8/21/91	8/21/91	8/22/91	8/22/91	MA	8/22/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	MA	8/23/91	MA	MA	MA
Date Sample Received by Laboratory	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	MA	8/23/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	MA	8/24/91	MA	MA	MA
Date Sample Extracted	8/24/91	8/24/91	8/26/91	8/26/91	8/26/91	MA	8/27/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	MA	8/26/91	MA	MA	MA
Date of Sample Analysis	8/30/91	8/30/91	8/27/91	8/30/91	8/30/91	MA	8/30/91	8/30/91	8/30/91	8/30/91	8/30/91	8/30/91	MA	8/30/91	MA	MA	MA
Instrument Used for Analysis	MS-5958	MS-5958	MS-5958	MS-5958	MS-5958	MA	MS-5958	MS-5958	MS-5958	MS-5958	MS-5958	MS-5958	MA	MS-5958	MA	MA	MA

ICLP TWELVE IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS.

Environmental Sample Number	DWI 25'-27'	DWI 30'-32'	Field Blank	DWI 35'-37'	DWI 38'-32'	Trip Blank	Field Blank	DWI 40'-42'	DWI 45'-47'	DWI 55'-57'	DWI 45'-47'	Field Blank	Trip Blank
Laboratory Sample Number	8200-01	8200-02	8200-03	8215-01	8215-02	8215-03	8215-04	8224-01	8224-02	8224-03	8224-04	8224-05	8224-06
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
COMPOUNDS													
VOLATILE COMPONENTS													
Hexane	800 R	800 R		800 R									5 J
Laboratory Artifacts			10 R			10 R	10 R	6 R	6 R	14 R/10 R	10 R		9 R 5 R
SEMI-VOLATILE COMPONENTS													
Sulfur (S8)						MA							MA MA
Unknown (Number of Peaks)					450 J								
					558(2) J								

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample. Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- J This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

EXTRA. - ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	
0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	0224-07	0224-08	0224-09	0224-10	0224-11	0224-12	0224-13	
ug/kg	ug/kg	ug/l	ug/kg	ug/kg	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/l
Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)
0.05	0	0	0.05	0	0	0.05	0	0	0.05	0	0	0.05	0	0	0.05	0	0	0.05	0	0
alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	Heptachlor	Aldrin	Heptachlor Epoxide	Endosulfan I	Dieldrin	4,4'-DDE	Endrin	Endosulfan II	4,4'-DDD	Endosulfan Sulfate	4,4'-DDT	Hechoychlor	Endrin ketone	alpha-Chlordane	gamma-Chlordane	Toraphene	
0.05	0	0	0.05	0	0	0.05	0	0.10	0.10	0.10	0.10	0.10	0.10	0.50	0.10	0.50	0.50	1.0		
MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
0.05	0	0	0.05	0	0	0.05	0	0.10	0.10	0.10	0.10	0.10	0.10	0.50	0.10	0.50	0.50	1.0		
0.05	0	0	0.05	0	0	0.05	0	0.10	0.10	0.10	0.10	0.10	0.10	0.50	0.10	0.50	0.50	1.0		
0.05	0	0	0.05	0	0	0.05	0	0.10	0.10	0.10	0.10	0.10	0.10	0.50	0.10	0.50	0.50	1.0		

Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number
Inson Environmental	0200-91	0200-92	0200-93	0215-91	0215-92	0215-93	0215-94	0224-91	0224-92	0224-93	0224-94	0224-95	0224-96	0232	0232
Laboratory	0200-91	0200-92	0200-93	0215-91	0215-92	0215-93	0215-94	0224-91	0224-92	0224-93	0224-94	0224-95	0224-96	0232	0232
Remarks															
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L
PCBs															
Aroclor-1016	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1221	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1232	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1242	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1248	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1254	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Aroclor-1268	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Quantitation Limit Multiplier	0.43	0.43	1.04	0.43	0.43	0.43	1.02	0.43	0.43	0.58	0.41	1.00	0.41	0.43	0.43
Date of Sample Collection	8/21/91	8/21/91	8/21/91	8/22/91	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91
Date Sample Received by Laboratory	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	8/23/91	8/23/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91
Date Sample Extracted	8/24/91	8/24/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91	8/26/91
Date of Sample Analysis	9/13/91	9/13/91	9/4/91	9/5/91	9/5/91	9/5/91	9/5/91	9/5/91	9/5/91	9/6/91	9/6/91	9/6/91	9/6/91	9/6/91	9/6/91

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.



**B. INORGANIC TCL DATA**

**300338**

In. Laboratory Sample Number	RR-1 01499-125 0103-10	FB021 01499-155 0200-03	FB022 01499-185 0215-04	FB023 01499-235 0224-05	DW02 00499-015 0095-01	DW03 00499-025 0095-02	DW04 00499-035 0095-03	DW05 00499-045 0103-01	DW06 00499-055 0103-02
Percent Solids	-	-	-	-	63.28	79.06	77.18	86.63	96.78
Units	ug/L	ug/L	ug/L	ug/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
Aluminum	P 23.0	4.6	114	116	7030 J	4050 J	2030 J	2650 J	1500 J
Antimony	P 32.0	6.4			9.6 J	UJ	UJ	UJ	UJ
Arsenic	F 4.0	0.80			3.7 J	3.0 J	1.3 J	1.2 J	0.79 J
Barium	P 5.0	1.0			90.2	44	34.4	10.2	9.7
Beryllium	P 1.0	0.20	3.0	3.0	1.2 R	0.9 R	1.0 R	0.01 R	0.63 R
Cadmium	P 4.0	0.80			0.7 R	2.7 R	1.5 R	2.0 R	
Calcium	P 77.0	15.4	160	198	16,300 J	22,900 J	7100 J	9700 J	1300 J
Chromium	P 5.0	1.0	5.0	7.0	463 J	101 J	31.7 J	36.1 J	17.4 J
Cobalt	P 17.0	3.4			0.7	7.5		4.2	
Copper	P 16.0	3.2			266 J	49.4 J	10.2 J	17.7 J	5.3 J
Iron	P 95.0	19.0	110		19,500 J	11,500 J	6630 J	6410 J	3010 J
Lead	F/P 1.0/111	0.20/22.2			1210	607	154	124	01.3
Magnesium	P 110	23.6			9350 J	10,900 J	3460 J	5200 J	950 J
Manganese	P 2.0	0.40	4.0	2.0	152 J	94.1 J	55.9 J	54.6 J	53.3 J
Mercury	CV 0.20	0.10	R	R	0.21 J	R	R	R	R
Nickel	P 27.0	5.4			21.5 J	12.6 J	7.2 J	0.3 J	4.7 J
Potassium	P 010	162			459	332	207	327	221
Selenium	F 5.0	1.0							
Silver	P 7.0	1.4	R	R	R	R	R	R	R
Sodium	P 110	23.6	202	365	940 J	474 J	293 R	262 R	129 R
Thallium	F 1.0	0.20			0.33				
Vanadium	P 7.0	1.4			79.1 J	41.1 J	20.5 J	22.6 J	5.3 J
Zinc	P 12.0	2.4			1770 J	236 J	103 J	01.3 J	24.6 J
Cyanide	AS 10.0	2.3	R	R(7.7x)	038 J	R	R	R	R

NOTES:

- Element was not detected.
- U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Analyte may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This analyte was not detected, but the quantitation limit is probably higher due to low bias identified during the quality assurance review.
- (0x) This element was not analyzed for and not detected; however, due to sample dilutions, the reported detection limit is equal to the "normal" detection limit multiplied by the factor in parentheses.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- AS - Auto Analyzer

ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	DM66	DM67	DM68	DM69	DM70	DM71	DM72	DM73	DM74	DM75	DM76	DM77	DM78	DM79	DM80	DM81	DM82	DM83	DM84	DM85	DM86	DM87	DM88	DM89	DM90	DM91	DM92	DM93	DM94	DM95	DM96	DM97	DM98	DM99	DM100	
Sample Number	0103-03	0103-04	0103-05	0103-06	0103-07	0103-08	0103-09	0103-10	0103-11	0103-12	0103-13	0103-14	0103-15	0103-16	0103-17	0103-18	0103-19	0103-20	0103-21	0103-22	0103-23	0103-24	0103-25	0103-26	0103-27	0103-28	0103-29	0103-30	0103-31	0103-32	0103-33	0103-34	0103-35	0103-36	0103-37	
Percent Solids	67.08	82.48	56.68	83.13	91.38	79.78	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	96.38	95.88	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Soil)																																		
Aluminum	P 23.0	4.6	9910 J	3310 J	11,100 J	2060 J	1410 J	2000 J	1530 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	1150 J	1330 J	1150 J	
Antimony	P 32.0	6.4	UJ	UJ	9.5 J	UJ	UJ	12 J	UJ	UJ	UJ	12 J	UJ	UJ	UJ	12 J	UJ	UJ	UJ	UJ	UJ	UJ	12 J	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ
Arsenic	F 4.0	0.80	(10x)	1.6 J	3.6 J	1.2 J	1.5 J	1.1 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	1.1 J	1.6 J	2.3 J	
Barium	P 5.0	1.0	82.1	15.3	56.0	23.3	20.0	15.0	5.9	6.3	4.9	15.0	5.9	6.3	4.9	15.0	5.9	6.3	4.9	15.0	5.9	6.3	4.9	15.0	5.9	6.3	4.9	15.0	5.9	6.3	4.9	15.0	5.9	6.3	4.9	15.0
Beryllium	P 1.0	0.20	1.4 R	0.31 R	1.0 R	1.1 R	0.94 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R	0.50 R	0.66 R	0.73 R	0.85 R
Cadmium	P 4.0	0.80	6.2 R	1.3 R	4.4 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	1.0 R	3.0 R	1.9 R	
Calcium	P 77.0	15.4	9210 J	8130 J	22,000 J	4220 J	3650 J	6310 J	76.6 R	119 R	59.3 R	6310 J	76.6 R	119 R	59.3 R	6310 J	76.6 R	119 R	59.3 R	6310 J	76.6 R	119 R	59.3 R	6310 J	76.6 R	119 R	59.3 R	6310 J	76.6 R	119 R	59.3 R	6310 J	76.6 R	119 R	59.3 R	6310 J
Chromium	P 5.0	1.0	240 J	54.2 J	190 J	37.4 J	71.0 J	25.6 J	2.7 R	4.1 R	6.7 J	25.6 J	2.7 R	4.1 R	6.7 J	25.6 J	2.7 R	4.1 R	6.7 J	25.6 J	2.7 R	4.1 R	6.7 J	25.6 J	2.7 R	4.1 R	6.7 J	25.6 J	2.7 R	4.1 R	6.7 J	25.6 J	2.7 R	4.1 R	6.7 J	
Cobalt	P 17.0	3.4	11.2	3.1	11.3	5.4	3.4																													
Copper	P 16.0	3.2	80.2 J	27.0 J	130 J	41.7 J	44.4 J	15.9 J		2.6 J																										
Iron	P 95.0	19.0	20,400 J	7260 J	22,700 J	10,900 J	15,600 J	5000 J	2090 J	2390 J	3500 J	5000 J	2090 J	2390 J	3500 J	5000 J	2090 J	2390 J	3500 J	5000 J	2090 J	2390 J	3500 J	5000 J	2090 J	2390 J	3500 J	5000 J	2090 J	2390 J	3500 J	5000 J	2090 J	2390 J	3500 J	
Lead	F/P 1.0/111	0.20/22.2	1120	157	1620	122	216	140	1.0	2.5	1.0	140	1.0	2.5	1.0	140	1.0	2.5	1.0	140	1.0	2.5	1.0	140	1.0	2.5	1.0	140	1.0	2.5	1.0	140	1.0	2.5	1.0	
Magnesium	P 110	23.6	6070 J	3750 J	14,100 J	2010 J	1150 J	3990 J	225 J	164 J	91.9 J	3990 J	225 J	164 J	91.9 J	3990 J	225 J	164 J	91.9 J	3990 J	225 J	164 J	91.9 J	3990 J	225 J	164 J	91.9 J	3990 J	225 J	164 J	91.9 J	3990 J	225 J	164 J	91.9 J	
Manganese	P 2.0	0.40	120 J	62.0 J	162 J	109 J	135 J	40.3 J	44.4 J	30.5 J	31.2 J	40.3 J	44.4 J	30.5 J	31.2 J	40.3 J	44.4 J	30.5 J	31.2 J	40.3 J	44.4 J	30.5 J	31.2 J	40.3 J	44.4 J	30.5 J	31.2 J	40.3 J	44.4 J	30.5 J	31.2 J	40.3 J	44.4 J	30.5 J	31.2 J	
Mercury	CV 0.20	0.10	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Nickel	P 27.0	5.4	10.9 J	9.3 J	20.4 J	11.3 J	17.4 J	5.9 J																												
Potassium	P 810	162	615	106	518	260	215	249	175																											
Selenium	F 5.0	1.0																																		
Silver	P 7.0	1.4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Sodium	P 110	23.6	993 J	206 R	1210 J	407 J	494 J	234 R	75.2 R	91.6 R	129 R	234 R	75.2 R	91.6 R	129 R	234 R	75.2 R	91.6 R	129 R	234 R	75.2 R	91.6 R	129 R	234 R	75.2 R	91.6 R	129 R	234 R	75.2 R	91.6 R	129 R	234 R	75.2 R	91.6 R	129 R	
Thallium	F 1.0	0.20	0.20 J																																	
Vanadium	P 7.0	1.4	71.2 J	10.6 J	81.0 J	20.4 J	17.0 J	10 J	2.0 J	2.6 J	3.0 J	10 J	2.0 J	2.6 J	3.0 J	10 J	2.0 J	2.6 J	3.0 J	10 J	2.0 J	2.6 J	3.0 J	10 J	2.0 J	2.6 J	3.0 J	10 J	2.0 J	2.6 J	3.0 J	10 J	2.0 J	2.6 J	3.0 J	
Zinc	P 12.0	2.4	512 J	70.5 J	675 J	130 J	254 J	56.5 J	4.2 J	5.4 J	4.5 J	56.5 J	4.2 J	5.4 J	4.5 J	56.5 J	4.2 J	5.4 J	4.5 J	56.5 J	4.2 J	5.4 J	4.5 J	56.5 J	4.2 J	5.4 J	4.5 J	56.5 J	4.2 J	5.4 J	4.5 J	56.5 J	4.2 J	5.4 J	4.5 J	
Cyanide	AS 10.0	2.0	R	2.9 J	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		

NOTES:  
 - Element was not detected.  
 U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This analyte was not detected, but the quantitation limit is probably higher due to low bias identified during the quality assurance review.  
 (fx) This element was not analyzed for and not detected; however, due to sample dilutions, the reported detection limit is equal to the "normal" detection limit multiplied by the factor in parentheses.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 AS - Auto Analyzer

ANON ENVIRONMENTAL SAMPLE NUMBER	LABORATORY SAMPLE NUMBER	0486 30'-32'	0487 40'-42'	0487 45'-47'	0487 55'-57'	0487A 45'-47'
		04499-175	04499-195	04499-205	04499-215	04499-225
		0224-02	0224-01	0224-02	0224-03	0224-04
REMARKS		95.13	95.88	97.48	84.88	97.48
UNITS		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)				Duplicate of DM7(45'-47')
Aluminum	P 23.0	4.6	1570 J	1040 J	1680 J	878 J 655 J
Antimony	P 32.8	6.4	UJ	UJ	UJ	UJ
Arsenic	F 4.8	0.80	1.1 J	0.90 J	1.3 J	0.96 J 1.7 J
Barium	P 5.8	1.0	0.5	0.4	7.0	7.3 6.4
Beryllium	P 1.8	0.20	0.42 R	0.46 R	0.59 R	0.51 R 0.46 R
Cadmium	P 4.8	0.80				
Calcium	P 77.0	15.4	183 J	38.2 R	37.7 R	39.9 R 37.4 R
Chromium	P 5.8	1.0	7.6 J	3.7 R	3.5 R	3.2 R 2.9 R
Cobalt	P 17.8	3.4				
Copper	P 16.0	3.2	2.4 J			
Iron	P 95.0	19.0	2620 J	2790 J	2740 J	2520 J 2400 J
Lead	F/P 1.0/111	0.20/22.2	6.7	1.0	0.78	0.84 1.0
Magnesium	P 318	23.6	255 J	129 J	85.9 J	118 J 51.1 J
Manganese	P 2.0	0.40	52.1 J	21.2 J	38.3 J	18.9 J 14.9 J
Mercury	CV 0.28	0.10	R	R	R	R R
Nickel	P 27.8	5.4				
Potassium	P 818	162	147			
Selenium	F 5.8	1.0				
Silver	P 7.8	1.4	R	R	R	R R
Sodium	P 118	23.6	184 J	88.0 J	94.1 J	88.3 J 87.9 J
Thallium	F 1.8	0.20			UJ	
Vanadium	P 7.8	1.4	3.8 J	2.8 J	2.7 J	2.2 J 2.8 J
Zinc	P 12.8	2.4	18.5 J	5.8 J	3.3 J	3.2 J 3.2 J
Cyanide	AS 18.0	2.3	R	R	R	R R

NOTES:  
 - Element was not detected.  
 U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This analyte was not detected, but the quantitation limit is probably higher due to low bias identified during the quality assurance review.  
 (R) This element was not analyzed for and not detected; however, due to sample dilutions, the reported detection limit is equal to the "normal" detection limit multiplied by the factor in parentheses.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 AS - Auto Analyzer

ANALYT	UNITS
Environmental Sample Number	TANK 16
Laboratory Sample Number	918312-01
Remarks	
Units	ug/L
ORGANIC ELEMENTS	
Benzene	7 U
Carbon Tetrachloride	6 U
Chlorobenzene	7 U
Chloroform	6 U
1,2-Dichloroethane	6 U
1,1-Dichloroethylene	5 U
Methyl ethyl ketone	12 U
Tetrachloroethylene	6 U
Trichloroethylene	6 U
Vinyl Chloride	11 U
Pyridine	2300 U
Date Sample Collected	6/11/91
Date Leachate Generated	6/18/91
Date Leachate Analyzed	6/28/91

NOTES:

- Compound was not detected.
  - U This compound was analyzed for but was not detected at or above the level indicated.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - UJ This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.
- The reported quantitation limits are recovery corrected with the exception of tetrapheno and chloroform.

TENTATIVELY IDENTIFIED COMPOUNDS	
Environmental Sample Number	TANK 16
Laboratory Sample Number	918312-01
Units	ug/L
Unknown	8 J
Acetone	310 R
Methylene Chloride	200 J

.LYSIS - ANALYTICAL RESULTS - page 2	
Amson Environmental Sample Number	TMRK 16
Laboratory Sample Number	910312-81
Remarks	
Units	ug/L
SEMIVOLATILE ELEMENTS	
2,4-Dinitrotoluene	52 U
Hexachlorobenzene	46 U
Hexachloro-1,3-butadiene	46 U
Hexachloroethane	59 U
Mitrobenzene	38 U
1,4-Dichlorobenzene	52 U
Methyphenols (total)	52 U
Pentachlorophenol	268 U
2,4,5-Trichlorophenol	278 U
2,4,6-Trichlorophenol	53 U
Date Sample Collected	6/11/91
Date Leachate Generated	6/17/91
Date Leachate Extracted	6/18/91
Date Leachate Analyzed	6/20/91

NOTES:

- Compound was not detected.
  - U This compound was analyzed for but was not detected at or above the level indicated.
  - R Unreliable result - Compound may or may not be present in this sample. Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - U This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.
- The reported quantitation limits are recovery corrected with the exception of toluene and chloroform.

ORGANIC ANALYSIS - ANALYTICAL RESULTS - Page 3	
Amson Environmental Sample Number	TANK 16
Laboratory Sample Number	918312-01
Remarks	
Units	ug/l
ORGANOCHLORINE PESTICIDES	
Gamma-BHC	0.21 U
Heptachlor	0.17 U
Heptachlor Epoxide	0.17 U
Endrin	0.33 U
Methoxychlor	0.19 U
Toxaphene	3.3 U
Chlordane	0.16 U
Date Sample Collected	6/11/91
Date Leachate Generated	?
Date Leachate Extracted	6/18/91
Date Extract Analyzed	6/21/91

NOTES:

- Compound was not detected.
  - U This compound was analyzed for but was not detected at or above the level indicated.
  - R Unreliable result - Compound may or may not be present in this sample. Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - J This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.
- The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.

ANALYTICAL UNITS	UNITS
Amson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Remarks	
Units	ug/L
HERBICIDES	
2,4-D	140 UR
2,4,5-TP (Silver)	50 UR
Date Sample Collected	6/11/91
Date Leachate Generated	6/20/91
Date Leachate Extracted	7/2/91
Date Extract Analyzed	7/9/91

NOTES:

- Compound was not detected.
  - U This compound was analyzed for but was not detected at or above the level indicated.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - W This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.
  - UR This compound was analyzed for but was not detected; however, the analysis was deemed unreliable.
- The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.

300345



ANALYSIS - ANALYTICAL RESULTS - page 5	
Environmental Sample Number	TANK 16
Laboratory Sample Number	918312-01
Remarks	
Units	ug/L
TCED METALS	
Arsenic	300 J
Barium	20 R
Cadmium	10 U
Chromium	18 U
Lead	100 U
Mercury	0.8 U
Selenium	300 U
Silver	20 U
CHARACTERISTICS	
Flashpoint (at 200 F)	None
pH	7.92
Reactive Cyanide	500 U
Reactive Sulfide	2000 U

NOTES:

- Compound was not detected.
  - U This compound was analyzed for but was not detected at or above the level indicated.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - U This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.
- The reported quantitation limits are recovery corrected with the exception of hexaphene and chlordanes.

**Validated Data**

**Indoor borings 5 & 6  
Re-sampling drywells 1-4**

ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Environmental Sample Number	10 85 (15-17)	10 85 (35-37)	10 86 (30-32)	10 86 (40-42)	Field Blanks	Trip Blank
Laboratory Sample Number	12068-84	12068-85	12068-81	12068-82	12068-83	12068-87
Quantitation Limit (Aq)	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Quantitation Limit (Sol)	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Chloroethane	10	10				
Bromoethane	10	10				
Vinyl Chloride	10	10				
Chloroethane	10	10	U	U		
Methylene Chloride	5	5	6 U	5 U	3 J	4 J
Acetone	10	10	110 U	12 U	9 J	34 J
Carbon Disulfide	5	5				
1,1-Dichloroethane	5	5				
1,1-Dichloroethane	5	5				
Total 1,2-Dichloroethane	5	5			15	15
Chloroform	5	5				
1,2-Dichloroethane	5	5				
2-Butanone	10	10				
1,1,1-Trichloroethane	5	5				
Carbon Tetrachloride	5	5				
Vinyl Acetate	10	10				
Bromodichloromethane	5	5				
1,1,2,2-Tetrachloroethane	5	5				
1,2-Dichloropropane	5	5				
trans-1,3-Dichloropropene	5	5				
Trichloroethene	5	5				
1,1,1,2-Tetrachloroethane	5	5				
1,1,2-Trichloroethane	5	5				
Benzene	5	5				

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

VOLATILE ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	IB #5 (15-17')	IB #5 (35-37')	IB #6 (38-42')	IB #6 (40-42')	Field Blanks 12060-43	Field Blanks 12060-46	Trip Blank 12060-47
Environmental Sample Number	12060-04	12060-05	12060-01	12060-02	Field Blank	Field Blank	Trip Blank
Laboratory Sample Number							
Remarks							
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS							
	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
cis-1,3-Dichloropropene	5	5					
Bromoform	5	5					
2-Hexanone	10	10					
4-Methyl-2-Pentanone	10	10					
Tetrachloroethene	5	5					
Toluene	5	5					
Chlorobenzene	5	5					
Ethylbenzene	5	5					
Styrene	5	5					
Total Xylenes	5	5					
Quantitation Limit Multiplier	1.2	1.2	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/8/91	NA
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91
Date of Sample Analysis	12/17/91	12/17/91	12/17/91	12/17/91	12/18/91	12/18/91	12/18/91
Instrument used for Analysis	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UU This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300349

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Laboratory Sample Number	Environmental Sample Number	IB 85 (15-17')				IB 86 (30-32')				Field Blanks		Remarks
		12068-44	12068-45	12068-46	12068-47	12068-48	12068-49	12068-50	12068-51	12068-52	12068-53	
Units	Quantitation Limit (ug)	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	MA	
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)											
Phenol	10	330									MA	
bis(2-Chloroethyl)ether	10	330									MA	
2-Chlorophenol	10	330									MA	
1,3-Dichlorobenzene	10	330									MA	
1,4-Dichlorobenzene	10	330									MA	
Benzyl Alcohol	10	330									MA	
1,2-Dichlorobenzene	10	330									MA	
2-Methylphenol	10	330									MA	
bis(2-Chloroisopropyl)ether	10	330									MA	
4-Methylphenol	10	330									MA	
N-Nitroso-di-n-Propylamine	10	330									MA	
Hexachloroethane	10	330									MA	
M-Tolubenzene	10	330									MA	
Isophorene	10	330									MA	
2-M-Tolophenol	10	330									MA	
2,4-Dimethylphenol	10	330									MA	
Benzoic Acid	50	1650									MA	
bis(2-Chloroethoxy)methane	10	330									MA	
2,4-Dichlorophenol	10	330									MA	
1,2,4-Trichlorobenzene	10	330									MA	
Naphthalene	10	330									MA	
4-Chloroaniline	10	330									MA	
Hexachlorobutadiene	10	330									MA	
4-Chloro-3-Methylphenol	10	330									MA	
	10	330									MA	

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 MA Not analyzed.

EXTRACTABLE OBG		LYSIS - ANALYTICAL RESULTS		ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS				-page 4	
Laboratory Sample Number	Sample Number	IB 05 (15-17')	IB 05 (35-37')	IB 06 (30-32')	IB 06 (40-42')	Field Blanks	Trip Blanks		
		12060-04	12060-05	12060-01	12060-02	12060-03	12060-06		
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	Field Blank	Trip Blank
	SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (Sol)					
	Hexachlorocyclopentadiene	10	330					MA	
	2,4,6-Trichlorophenol	10	330					MA	
	2,4,5-Trichlorophenol	50	1650					MA	
	2-Chloronaphthalene	10	330					MA	
	2-Nitroaniline	50	1650					MA	
	Dibethylphthalate	10	330					MA	
	Acenaphthylene	10	330					MA	
	3-Mitroaniline	50	1650					MA	
	Acenaphthene	10	330					MA	
	1-Nitrophenol	50	1650					MA	
	4-Nitrophenol	50	1650					MA	
	Dibenzofuran	10	330					MA	
	2,4-Dinitrotoluene	10	330					MA	
	2,6-Dinitrotoluene	10	330					MA	
	Dibethylphthalate	10	330					MA	
	4-Chlorophenylphenylether	10	330					MA	
	Fluorene	10	330					MA	
	4-Mitroaniline	50	1650					MA	
	4,6-Dinitro-2-Methylphenol	50	1650					MA	
	N-Nitrosodiphenylamine	10	330					MA	
	4-Bromophenylphenylether	10	330					MA	
	Hexachlorobenzene	10	330					MA	
	Pentachlorophenol	50	1650					MA	
	Phenanthrene	10	330					MA	

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- WJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- MA Not analyzed.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number		10 85 (15-17)	10 85 (35-37)	10 86 (30-32)	10 86 (40-42)	Field Blanks	Trip Blank
Laboratory Sample Number		12060-84	12060-85	12060-81	12060-82	12060-83	12060-86
Remarks							
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)	Quantitation Limit (ug)
Anthracene	10	330					MA
01-n-Butylphthalate	10	330					MA
Fluoranthene	10	330					MA
Pyrene	10	330					MA
Butylbenzylphthalate	10	330					MA
3,3'-Dichlorobenzidine	20	660					MA
Benzo(a)anthracene	10	330					MA
bis(2-Ethylhexyl)phthalate	10	330	130 J		400		MA
Chrysene	10	330					MA
01-n-Octylphthalate	10	330					MA
Benzo(b)fluoranthene	10	330					MA
Benzo(k)fluoranthene	10	330					MA
Benzo(a)pyrene	10	330					MA
Indeno(1,2,3-cd)pyrene	10	330					MA
01benz(a,h)anthracene	10	330					MA
Benzo(g,h,i)perylene	10	330					MA
Quantitation Limit Multiplier	1.18	1.18	1.83	1.83	1.83	1.00	1.00
Date of Sample Collection	12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/7/91	12/8/91
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91
Date Sample Extracted	12/11/91	12/11/91	12/11/91	12/11/91	12/11/91	12/10/91	12/10/91
Date of Sample Analysis	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
Instrument used for Analysis	GC/MS-5955B	GC/MS-5955B	GC/MS-5955B	GC/MS-5955B	GC/MS-5955B	GC/MS-5955B	GC/MS-5955B

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 MA Not analyzed.

IDENTIFICATION		TIMATEC		RATION		SOLID		WEIGHTED ON A UNIT WEIGHT BASIS		-page 6	
Anso.	umental Sample Number	12060-01	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	Trip Blank	12060-06	12060-07
Laboratory Sample Number											
Remarks											
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/l			
COMPOUNDS											
VOLATILE COMPONENTS											
SEMI-VOLATILE COMPONENTS											
Laboratory Artifacts (Alkols, etc.)		600 R	500 R	4100 R	4500 R						
Unknown			420 J								

NOTES:

- U Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

300353



ORGANI.	IS	AL RES	ALL SI	ORTED	WEIGHT	-page
Anson Environmental Sample Number	IB 05 (15-17')	IB 05 (35-37')	IB 06 (30-32')	IB 06 (40-42')	Field Blanks	Trip Blank
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-06	12060-07
Remarks					Field Blank	Trip Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	NA
Pesticides	Quantitation Limit (Aq)	Quantitation Limit (Sol)				
alpha-BHC	0.05	0				NA
beta-BHC	0.05	0				NA
delta-BHC	0.05	0				NA
gamma-BHC (Lindane)	0.05	0				NA
Heptachlor	0.05	0				NA
Aldrin	0.05	0				NA
Heptachlor Epoxide	0.05	0				NA
Endosulfan I	0.05	0				NA
Dieldrin	0.10	16				NA
4,4'-DDE	0.10	16				NA
Endrin	0.10	16				NA
Endosulfan II	0.10	16				NA
4,4'-DDD	0.10	16				NA
Endosulfan Sulfate	0.10	16				NA
4,4'-DDT	0.10	16				NA
Methoxychlor	0.50	0				NA
Endrin Ketone	0.10	16				NA
alpha-Chlordane	0.50	00				NA
gamma-Chlordane	0.50	00				NA
Toxaphene	1.0	160				NA

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

E ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number	Sample Number
18 85 (15-17')	18 85 (35-37')	18 86 (38-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')	18 86 (40-42')
12060-44	12060-45	12060-41	12060-42	12060-43	12060-44	12060-45	12060-46	12060-47	12060-48	12060-49	12060-50	12060-51	12060-52	12060-53	12060-54	12060-55	12060-56	12060-57	12060-58	12060-59
Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
1.16	1.16	1.01	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91
12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91	12/14/91
12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91
MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- MA Not analyzed.

**B. INORGANIC DATA**

300356

ANALYSIS RESULTS: SOLIDS determined on a wet weight basis

Environmental Sample Number	Laboratory Sample Number	IB 15 15-17'	IB 15 35-37'	IB 16 30-32'	IB 16 40-42'	Field Blanks	Field Blank
		00690-055	00690-065	00690-075	00690-085	00690-095	00690-105
Percent Solids		97.48	97.48	96.68	96.68	0.00	0.00
Units		mg/kg	mg/kg	mg/kg	mg/kg	ug/l	ug/l
INORGANIC ELEMENTS							
	Detection Limit (mg)	Detection Limit (Sol)				Field Blank	Field Blank
Aluminum	P 72.0	14.4	883	1360	1110	1100	
Antimony	P 45.0	9.0					
Arsenic	F 2.0	0.4		0.57	0.75	1.7	
Barium	P 3.0	0.6	2.6	4.4	3.7	1.8	
Beryllium	P 1.0	0.2	0.56 U	0.77 U	0.51 U	0.60 U	3.0
Cadmium	P 4.0	0.8	1.1 U	0.96 U	0.68 U	1.4 U	5.0
Calcium	P 38.0	7.6	69.0 R	20.2 R	26.5 R	19.7 R	98.0
Chromium	P 7.0	1.4	4.6	3.8	2.4	3.8	
Cobalt	P 10.0	2.0					
Copper	P 2.0	0.4	7.4 U	5.0 U	3.7 U	5.4 U	14.0
Iron	P 9.0	1.8	3910	3490	2240	3300	201
Lead	F 1.0	0.2	0.74	1.2	0.85	1.0	
Magnesium	P 40.0	8.0	192	148	112	118	110
Manganese	P 1.0	0.2	35.8	38.2	64.3	47.4	1.0
Mercury	CV 0.2	0.1					
Nickel	P 12.0	2.4		2.3 U			14.0
Potassium	P 2100	420					
Selenium	F 4.0	0.8	U	U	U	U	U
Silver	P 6.0	1.2	U	U	U	U	U
Sodium	P 4450	890					
Thallium	F 2.0	0.4					
Vanadium	P 4.0	0.8	2.6 U	2.7 U	3.1 U	2.6 U	
Zinc	P 2.0	0.4	5.4 R	4.6 R	4.2 R	8.4 J	6.0 J
Cyanide	A 10	1.0					

NOTES:  
 - Element was not detected.  
 U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 A - Auto Analyzer  
 DS - Distillation/Spectrophotometric

INORGANIC ANALY.		ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS			
Inventory Sample Number	DM #1 00650-01S	DM #2 00650-02S	DM #3 00650-03S	DM #4 00650-04S	Field Blank 00650-011S
Percent Solids	84.28	55.00	78.38	76.48	0.00
Units	mg/kg	mg/kg	mg/kg	mg/kg	ug/L
INORGANIC ELEMENTS		Detection Limit	Detection Limit (Sol)		Field Blank
Mercury	CV	0.2	0.1		
Cyanide	A	10	1.0		

NOTES:

- Element was not detected.
- U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Analyte may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- W This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:

- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer

300358

**Unvalidated Data**  
**Monitoring Wells 1D, 4 & 6**

300359

COVER PAGE - INORGANIC ANALYSIS DATA - 40 06

Lab Name: CEIMIC

Contract: ANSON

Code: CEIMIC

Case No.: ANSON

SAS No.:

SDS No.: FB1119

QW No.: 7/88

SAMPLE ID	Lab Sample ID.
FB1119	00649-025
FB1121	00649-048
FB1124	00649-065
FB1126	00649-125
MW-4(75-77)	00649-085
MW-6(60-62)	00649-098
MW-8(74-76)	00649-108
MW-ID	00649-015
MW-ID(120-122)	00649-035
MW-T(60-62)	00649-055
MW-T(60-62)D	00649-0552
MW-T(60-62)S	00649-0555

Were ICP interelement corrections applied? Yes/No NO  
 Were ICP background corrections applied? Yes/No YES  
 If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the manager's designee, as verified by the following signature.

Signature: Phyllis Skille  
Date: 1/2/91

Name: Phyllis Skille  
Title: Inorganic Manager

300360

01

INORGANIC ANALYSIS DATA SHEET

Form I - IN

Name: CEIMIC

Contract: ANSON

FE1119

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

DOB No.: FE1119

Matrix (soil/water): WATER

Lab Sample ID: 00649-029

Level (low/med): LOW

Date Received: 11/21/91

Solids: 0.0

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

CAS No.	Analyte	Concentration	U	B	M
7429-90-5	Aluminum	83.00	B		F
7440-38-0	Antimony	45.00	U		F
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	3.00	U		F
7440-41-7	Beryllium	3.00	B		F
7440-43-9	Cadmium	4.00	U		F
7440-70-2	Calcium	105.00	B		F
7440-47-3	Chromium	7.00	U		F
7440-48-4	Cobalt	10.00	U		F
7440-50-8	Copper	8.00	B		F
7439-89-6	Iron	35.00	B		F
7439-92-1	Lead	3.40			F
7439-95-4	Magnesium	40.00	U		F
7439-96-5	Manganese	2.00	B		F
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.00	U		F
7440-09-7	Potassium	2140.00	U		F
7782-49-2	Selenium	4.00	U	W	F
7440-22-4	Silver	6.00	U		F
7440-23-5	Sodium	4450.00	U		F
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	5.00	B		F
7440-66-6	Zinc	9.00	B		F
-----	Cyanide	10.00	U		C

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

Name: CEIMIC

Contract: ANSON

FB1121

Site Code: CEIMIC

Case No.: ANSON

SAS No.:

SDE No.: FB1119

Matrix (soil/water): WATER

Lab Sample ID: 00649-046

Level (low/med): LOW

Date Received: 11/22/91

%-Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	U	Q	M
7429-90-5	Aluminum	110.00	B		P
7440-36-0	Antimony	45.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	5.00	B		P
7440-41-7	Beryllium	3.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	111.00	B		P
7440-47-3	Chromium	7.00	U		F
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	7.00	B		P
7439-89-6	Iron	86.00	B		P
7439-92-1	Lead	1.10	B		F
7439-95-4	Magnesium	40.00	U		P
7439-96-5	Manganese	10.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.00	U		P
7440-09-7	Potassium	2140.00	U		P
7782-49-2	Selenium	4.00	U	W	F
7440-22-4	Silver	6.00	U		F
7440-23-5	Sodium	4450.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	4.00	U		F
7440-66-6	Zinc	14.00	B		P
-----	Cyanide	10.00	U		C

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE #1

FB1124

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDS No.: FB1119

Matrix (soil/water): WATER

Lab Sample ID: 00649-085

Level (low/med): LOW

Date Received: 11/26/91

% 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	91.00	B		P
7440-36-0	Antimony	45.00	U		P
7440-38-2	Arsenic	2.00	U		P
7440-39-3	Barium	3.00	U		P
7440-41-7	Beryllium	3.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	123.00	B		P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	8.00	B		P
7439-89-6	Iron	45.00	B		P
7439-92-1	Lead	2.30	B		P
7439-95-4	Magnesium	40.00	U		P
7439-96-5	Manganese	2.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.00	U		P
7440-09-7	Potassium	2140.00	U		P
7782-49-2	Selenium	4.00	U	W	P
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	4450.00	U		P
7440-28-0	Thallium	2.00	U		P
7440-62-2	Vanadium	4.00	B		P
7440-66-6	Zinc	7.00	B		P
-----	Cyanide	10.00	U		C

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE 11

FB112a

Name: CEIMIC

Contract: ANSDN

Lab Code: CEIMIC

Case No.: ANSDN

SAS No.:

SDB No.: FB1119

Matrix (soil/water): WATER

Lab Sample ID: 00649-12E

Level (low/med): LOW

Date Received: 11/29/91

%Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	B	M
7429-90-5	Aluminum	89.00	B		P
7440-36-0	Antimony	45.00	U		P
7440-36-2	Arsenic	2.00	U		P
7440-39-3	Barium	3.00	U		P
7440-41-7	Beryllium	3.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	177.00	B		P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	10.00	B		P
7439-89-6	Iron	66.00	B		P
7439-92-1	Lead	1.60	B		P
7439-95-4	Magnesium	55.00	B		P
7439-96-5	Manganese	6.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.00	U		P
7440-09-7	Potassium	2140.00	U		P
7782-49-2	Selenium	4.00	U	W	P
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	4450.00	U		P
7440-28-0	Thallium	2.00	U		P
7440-62-2	Vanadium	4.00	U		P
7440-66-6	Zinc	9.00	B		P
-----	Cyanide	10.00	U		C

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

540-05 15

MW-4,75-77

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDS No.: F61119

Matrix (soil/water): SOIL

Lab Sample ID: 00649-085

Level (low/med): LOW

Date Received: 11/29/91

% Solids: 80.6

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	D	Q	M
7429-90-5	Aluminum	383.00			P
7440-36-0	Antimony	7.90	U		P
7440-38-2	Arsenic	0.74	B		P
7440-39-3	Barium	1.80	B		P
7440-41-7	Beryllium	0.70	B		P
7440-43-9	Cadmium	0.70	U		P
7440-70-2	Calcium	63.70	B		P
7440-47-3	Chromium	3.20			P
7440-48-4	Cobalt	1.80	U		P
7440-50-8	Copper	2.30	B		P
7439-89-6	Iron	1260.00		*	P
7439-92-1	Lead	0.98			P
7439-95-4	Magnesium	12.50	B		P
7439-96-5	Manganese	12.30			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.10	U		P
7440-09-7	Potassium	377.00	U		P
7782-49-2	Selenium	0.83	U		P
7440-22-4	Silver	1.10	U		P
7440-23-5	Sodium	783.00	U		P
7440-28-0	Thallium	0.42	U		P
7440-62-2	Vanadium	2.10	B		P
7440-68-6	Zinc	4.80			P
-----	Cyanide	1.80	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

1  
INORGANIC ANALYSIS DATA SHEET

Lab No.:

Name: CEIMIC

Contract: ANSON

MW-5/63-2

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

EDS No.: FB:119

Matrix (soil/water): SOIL

Lab Sample ID: 00647-095

Level (low/med): LOW

Date Received: 11/29/91

% Solids: 85.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	D	U	M
7429-90-5	Aluminum	811.00			P
7440-36-0	Antimony	8.60	U		P
7440-38-2	Arsenic	0.80	B		F
7440-39-3	Barium	2.70	B		P
7440-41-7	Beryllium	0.77	B		P
7440-43-9	Cadmium	0.77	U		P
7440-70-2	Calcium	30.00	B		P
7440-47-3	Chromium	3.40			P
7440-48-4	Cobalt	1.90	U		P
7440-50-8	Copper	2.30	B		F
7439-89-6	Iron	1960.00		*	P
7439-92-1	Lead	2.10			F
7439-95-4	Magnesium	28.50	B		P
7439-96-5	Manganese	25.40			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	2.30	U		P
7440-09-7	Potassium	409.00	U		P
7782-49-2	Selenium	0.91	U	W	F
7440-22-4	Silver	1.10	U		P
7440-23-5	Sodium	851.00	U		P
7440-28-0	Thallium	0.46	U		F
7440-62-2	Vanadium	2.30	B		P
7440-66-6	Zinc	2.50	B		P
-----	Cyanide	2.30	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE #1

Name: CEIMIC

Contract: ANSON

MW-5 (74-76)

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDS No.: FB1114

Matrix (soil/water): SOIL

Lab Sample ID: 00549-108

Level (low/med): LOW

Date Received: 11/29/91

% Solids: 80.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	515.00			P
7440-36-0	Antimony	9.80	U		P
7440-38-2	Arsenic	0.85	B		F
7440-39-3	Barium	2.20	B		P
7440-41-7	Beryllium	1.10			P
7440-43-9	Cadmium	0.87	U		P
7440-70-2	Calcium	33.70	B		P
7440-47-3	Chromium	3.70			P
7440-48-4	Cobalt	2.20	U		P
7440-50-8	Copper	2.00	B		P
7439-89-6	Iron	1360.00		*	P
7439-92-1	Lead	1.30			F
7439-95-4	Magnesium	34.60	B		P
7439-96-5	Manganese	14.80			F
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.60	U		P
7440-09-7	Potassium	465.00	U		P
7782-49-2	Selenium	0.89	U	W	F
7440-22-4	Silver	1.30	U		P
7440-23-5	Sodium	967.00	U		P
7440-28-0	Thallium	0.44	U		F
7440-62-2	Vanadium	2.40	B		P
7440-66-6	Zinc	1.70	B		P
-----	Cyanide	2.10	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

MW-10

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDS No.: FE1119

Matrix (soil/water): SOIL

Lab Sample ID: 00649-019

Level (low/med): LOW

Date Received: 11/21/91

%-Solids: 87.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	U	M
7429-90-5	Aluminum	513.00		P
7440-36-0	Antimony	7.80	U	P
7440-38-2	Arsenic	0.44	B	F
7440-39-3	Barium	3.80	B	P
7440-41-7	Beryllium	0.52	B	P
7440-43-9	Cadmium	0.69	U	P
7440-70-2	Calcium	31.10	B	P
7440-47-3	Chromium	2.10		P
7440-48-4	Cobalt	1.70	U	P
7440-50-8	Copper	1.70	B	P
7439-89-6	Iron	1450.00		* P
7439-92-1	Lead	0.80		F
7439-95-4	Magnesium	26.80	B	P
7439-96-5	Manganese	8.10		P
7439-97-6	Mercury	0.09	U	CV
7440-02-0	Nickel	2.10	U	P
7440-09-7	Potassium	369.00	U	P
7782-49-2	Selenium	0.71	U	W F
7440-22-4	Silver	1.00	U	P
7440-23-5	Sodium	768.00	U	P
7440-28-0	Thallium	0.35	U	F
7440-62-2	Vanadium	1.90	B	P
7440-66-6	Zinc	2.80	B	P
-----	Cyanide	1.50	U	C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

Name: CEIMIC

Contract: ANSON

IMW-ID (120-122)

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDS No.: FB1119

Matrix (soil/water): SOIL

Lab Sample ID: 00649-038

Level (low/med): LOW

Date Received: 11/22/91

Solids: 80.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	408.00			F
7440-36-0	Antimony	8.10	U		F
7440-38-2	Arsenic	0.63	B		F
7440-39-3	Barium	2.20	B		F
7440-41-7	Beryllium	0.54	B		F
7440-43-9	Cadmium	0.72	U		F
7440-70-2	Calcium	24.40	B		F
7440-47-3	Chromium	1.40	B		F
7440-48-4	Cobalt	1.80	U		F
7440-50-8	Copper	2.20	B		F
7439-89-6	Iron	936.00		*	F
7439-92-1	Lead	1.30			F
7439-95-4	Magnesium	7.50	B		F
7439-96-5	Manganese	12.60			F
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	2.20	U		F
7440-09-7	Potassium	384.00	U		F
7782-49-2	Selenium	0.83	U	W	F
7440-22-4	Silver	1.10	U		F
7440-23-5	Sodium	799.00	U		F
7440-28-0	Thallium	0.41	U		F
7440-62-2	Vanadium	1.60	B		F
7440-66-6	Zinc	1.80	B		F
-----	Cyanide	2.00	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:



INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

MW-T(60-62)

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FB1119

Matrix (soil/water): SOIL

Lab Sample ID: 00649-055

Level (low/med): LOW

Date Received: 11/26/91

% Solids: 77.6

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	717.00			P
7440-36-0	Antimony	8.90	U		P
7440-38-2	Arsenic	0.53	B		F
7440-39-3	Barium	3.10	B		P
7440-41-7	Beryllium	0.59	B		P
7440-43-9	Cadmium	0.79	U		P
7440-70-2	Calcium	30.50	B		P
7440-47-3	Chromium	2.60			P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	2.40	B		P
7439-89-6	Iron	1540.00		*	P
7439-92-1	Lead	1.10			F
7439-95-4	Magnesium	19.70	B		P
7439-96-5	Manganese	21.20			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	2.40	U		P
7440-09-7	Potassium	421.00	U		P
7782-49-2	Selenium	0.84	U	W	F
7440-22-4	Silver	1.20	U		P
7440-23-5	Sodium	876.00	U		P
7440-28-0	Thallium	0.42	U		F
7440-62-2	Vanadium	2.20	B		P
7440-66-6	Zinc	2.20	B		P
-----	Cyanide	2.60	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

59-61'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: J11142-1

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9759

Level: (low/med) LOW

Date Received: 11/21/91

% Moisture: not dec. 13.

Date Analyzed: 11/27/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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74-87-3	-----Chloromethane	11.	U
74-83-9	-----Bromomethane	11.	U
75-01-4	-----Vinyl Chloride	11.	U
75-00-3	-----Chloroethane	11.	U
75-09-2	-----Methylene Chloride	6.	B
67-64-1	-----Acetone	13.	B
75-15-0	-----Carbon Disulfide	6.	U
75-35-4	-----1,1-Dichloroethene	6.	U
75-34-3	-----1,1-Dichloroethane	6.	U
540-59-0	-----1,2-Dichloroethene (total)	6.	U
67-66-3	-----Chloroform	6.	U
107-06-2	-----1,2-Dichloroethane	6.	U
78-93-3	-----2-Butanone	11.	U
71-55-6	-----1,1,1-Trichloroethane	6.	U
56-23-5	-----Carbon Tetrachloride	6.	U
108-05-4	-----Vinyl Acetate	11.	U
75-27-4	-----Bromodichloromethane	6.	U
78-87-5	-----1,2-Dichloropropane	6.	U
10061-01-5	-----cis-1,3-Dichloropropene	6.	U
79-01-6	-----Trichloroethene	6.	U
124-48-1	-----Dibromochloromethane	6.	U
79-00-5	-----1,1,2-Trichloroethane	6.	U
71-43-2	-----Benzene	6.	U
10061-02-6	-----trans-1,3-Dichloropropene	6.	U
75-25-2	-----Bromoform	6.	U
108-10-1	-----4-Methyl-2-Pentanone	11.	U
591-78-6	-----2-Hexanone	11.	U
127-18-4	-----Tetrachloroethene	6.	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6.	U
108-88-3	-----Toluene	6.	U
108-90-7	-----Chlorobenzene	6.	U
100-41-4	-----Ethylbenzene	6.	U
100-42-5	-----Styrene	6.	U
1330-20-7	-----Xylene (total)	6.	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

59-61'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: J111142-

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9759

Level: (low/med) LOW

Date Received: 11/21/91

% Moisture: not dec. 13.

Date Analyzed: 11/27/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK

Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J 11142-3

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6395

Level: (low/med) LOW

Date Received: 11/21/91

% Moisture: not dec. 100.

Date Analyzed: 11/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	3.	BJ
67-64-1	-----Acetone	9.	J
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	16.	U
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	-----Xylene (total)	5.	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH Contract: 68-D9-0048  
Lab Code: INTECH Case No.: 42-64-85SAS No.: SDG No.: ANSON  
Matrix: (soil/water) WATER Lab Sample ID: Y111142-3  
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A6395  
Level: (low/med) LOW Date Received: 11/21/91  
% Moisture: not dec. 100. Date Analyzed: 11/30/91  
Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120-122'

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID: Y111142-4  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: C9760  
 Level: (low/med) LOW Date Received: 11/21/91  
 % Moisture: not dec. 23. Date Analyzed: 11/27/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	13.	U
74-83-9	-----Bromomethane	13.	U
75-01-4	-----Vinyl Chloride	13.	U
75-00-3	-----Chloroethane	13.	U
75-09-2	-----Methylene Chloride	7.	B
67-64-1	-----Acetone	110.	B
75-15-0	-----Carbon Disulfide	6.	U
75-35-4	-----1,1-Dichloroethene	6.	U
75-34-3	-----1,1-Dichloroethane	6.	U
540-59-0	-----1,2-Dichloroethene (total)	6.	U
67-66-3	-----Chloroform	6.	U
107-06-2	-----1,2-Dichloroethane	6.	U
78-93-3	-----2-Butanone	13.	U
71-55-6	-----1,1,1-Trichloroethane	6.	U
56-23-5	-----Carbon Tetrachloride	6.	U
108-05-4	-----Vinyl Acetate	13.	U
75-27-4	-----Bromodichloromethane	6.	U
78-87-5	-----1,2-Dichloropropane	6.	U
10061-01-5	-----cis-1,3-Dichloropropene	6.	U
79-01-6	-----Trichloroethene	6.	U
124-48-1	-----Dibromochloromethane	6.	U
79-00-5	-----1,1,2-Trichloroethane	6.	U
71-43-2	-----Benzene	6.	U
10061-02-6	-----trans-1,3-Dichloropropene	6.	U
75-25-2	-----Bromoform	6.	U
108-10-1	-----4-Methyl-2-Pentanone	13.	U
591-78-6	-----2-Hexanone	13.	U
127-18-4	-----Tetrachloroethene	6.	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6.	U
108-88-3	-----Toluene	6.	U
108-90-7	-----Chlorobenzene	6.	U
100-41-4	-----Ethylbenzene	6.	U
100-42-5	-----Styrene	6.	U
1330-20-7	-----Xylene (total)	6.	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

120-122'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: J111/42-4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9760

Level: (low/med) LOW

Date Received: 11/21/91

% Moisture: not dec. 23.

Date Analyzed: 11/27/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: I11142-5

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6396

Level: (low/med) LOW

Date Received: 11/21/91

Moisture: not dec. 100.

Date Analyzed: 11/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	3.	BJ
67-64-1	-----Acetone	14.	
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	13.	
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	-----Xylene (total)	5.	U



1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: I111142-5

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6396

Level: (low/med) LOW

Date Received: 11/21/91

% Moisture: not dec. 100.

Date Analyzed: 11/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

T-BLANK

b Name: INTECH Contract: 68-D9-0048

Lab Code: INTECH Case No.: 42-64-85SAS No.: SDG No.: ANSON

Matrix: (soil/water) WATER Lab Sample ID: J11142-6

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A6397

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 100. Date Analyzed: 11/30/91

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	3.	BJ
67-64-1	-----Acetone	10.	U
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.	U
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	-----Xylene (total)	5.	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

T-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: I11142-6

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6397

Level: (low/med) LOW

Date Received: 11/21/91

% Moisture: not dec. 100.

Date Analyzed: 11/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

60-62'

Lab Name: INTECH	Contract: 68-D9-0048		
Lab Code: INTECH	Case No.: 42-64	SAS No.:	SDG No.: ANSON
Matrix: (soil/water) SOIL		Lab Sample ID: J111164-1	
Sample wt/vol: 5.0 (g/mL) G		Lab File ID: C9761	
Level: (low/med) LOW		Date Received: 11/26/91	
% Moisture: not dec. 52.		Date Analyzed: 11/27/91	
Column: (pack/cap) PACK		Dilution Factor: 1.00	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	21.	U
74-83-9-----	Bromomethane	21.	U
75-01-4-----	Vinyl Chloride	21.	U
75-00-3-----	Chloroethane	21.	U
75-09-2-----	Methylene Chloride	14.	B
67-64-1-----	Acetone	54.	B
75-15-0-----	Carbon Disulfide	10.	U
75-35-4-----	1,1-Dichloroethene	10.	U
75-34-3-----	1,1-Dichloroethane	10.	U
540-59-0-----	1,2-Dichloroethene (total)	10.	U
67-66-3-----	Chloroform	10.	U
107-06-2-----	1,2-Dichloroethane	10.	U
78-93-3-----	2-Butanone	21.	U
71-55-6-----	1,1,1-Trichloroethane	10.	U
56-23-5-----	Carbon Tetrachloride	10.	U
108-05-4-----	Vinyl Acetate	21.	U
75-27-4-----	Bromodichloromethane	10.	U
78-87-5-----	1,2-Dichloropropane	10.	U
10061-01-5-----	cis-1,3-Dichloropropene	10.	U
79-01-6-----	Trichloroethene	10.	U
124-48-1-----	Dibromochloromethane	10.	U
79-00-5-----	1,1,2-Trichloroethane	10.	U
71-43-2-----	Benzene	10.	U
10061-02-6-----	trans-1,3-Dichloropropene	10.	U
75-25-2-----	Bromoform	10.	U
108-10-1-----	4-Methyl-2-Pentanone	21.	U
591-78-6-----	2-Hexanone	21.	U
127-18-4-----	Tetrachloroethene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
108-88-3-----	Toluene	10.	U
108-90-7-----	Chlorobenzene	10.	U
100-41-4-----	Ethylbenzene	10.	U
100-42-5-----	Styrene	10.	U
1330-20-7-----	Xylene (total)	10.	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

60-62'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: I11164-1

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9761

Level: (low/med) LOW

Date Received: 11/26/91

% Moisture: not dec. 52.

Date Analyzed: 11/27/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

75-77'

Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID: Y11164-2  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: C9762  
 Level: (low/med) LOW Date Received: 11/26/91  
 % Moisture: not dec. 23. Date Analyzed: 11/27/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	13.	U
74-83-9	-----Bromomethane	13.	U
75-01-4	-----Vinyl Chloride	13.	U
75-00-3	-----Chloroethane	13.	U
75-09-2	-----Methylene Chloride	7.	B
67-64-1	-----Acetone	39.	B
75-15-0	-----Carbon Disulfide	6.	U
75-35-4	-----1,1-Dichloroethene	6.	U
75-34-3	-----1,1-Dichloroethane	6.	U
540-59-0	-----1,2-Dichloroethene (total)	6.	U
67-66-3	-----Chloroform	6.	U
107-06-2	-----1,2-Dichloroethane	6.	U
78-93-3	-----2-Butanone	13.	U
71-55-6	-----1,1,1-Trichloroethane	6.	U
56-23-5	-----Carbon Tetrachloride	6.	U
108-05-4	-----Vinyl Acetate	13.	U
75-27-4	-----Bromodichloromethane	6.	U
78-87-5	-----1,2-Dichloropropane	6.	U
10061-01-5	-----cis-1,3-Dichloropropene	6.	U
79-01-6	-----Trichloroethene	6.	U
124-48-1	-----Dibromochloromethane	6.	U
79-00-5	-----1,1,2-Trichloroethane	6.	U
71-43-2	-----Benzene	6.	U
10061-02-6	-----trans-1,3-Dichloropropene	6.	U
75-25-2	-----Bromoform	6.	U
108-10-1	-----4-Methyl-2-Pentanone	13.	U
591-78-6	-----2-Hexanone	13.	U
127-18-4	-----Tetrachloroethene	6.	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6.	U
108-88-3	-----Toluene	6.	U
108-90-7	-----Chlorobenzene	6.	U
100-41-4	-----Ethylbenzene	6.	U
100-42-5	-----Styrene	6.	U
1330-20-7	-----Xylene (total)	6.	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

75-77'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: J111164-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9762

Level: (low/med) LOW

Date Received: 11/26/91

% Moisture: not dec. 23.

Date Analyzed: 11/27/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK

b Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64-85SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) WATER Lab Sample ID: J III 64-3  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A6398  
 Level: (low/med) LOW Date Received: 11/26/91  
 % Moisture: not dec. 100. Date Analyzed: 11/30/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	3.	BJ
67-64-1	-----Acetone	41.	
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	12.	
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	-----Xylene (total)	5.	U



1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J11164-3

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6398

Level: (low/med) LOW

Date Received: 11/26/91

% Moisture: not dec. 100.

Date Analyzed: 11/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

T-BLANK

b Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J III 4-4

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6399

Level: (low/med) LOW

Date Received: 11/26/91

% Moisture: not dec. 100.

Date Analyzed: 11/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	3.	BJ
67-64-1	-----Acetone	38.	
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.	U
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	-----Xylene (total)	5.	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

T-BLANK
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Lab Name: INTECH	Contract: 68-D9-0048
Lab Code: INTECH	Case No.: 42-64-85SAS No.:
Matrix: (soil/water) WATER	SDG No.: ANSON
Sample wt/vol: 5.0 (g/mL) ML	Lab Sample ID: J111164-4
Level: (low/med) LOW	Lab File ID: A6399
% Moisture: not dec. 100.	Date Received: 11/26/91
Column: (pack/cap) PACK	Date Analyzed: 11/30/91
	Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

60-62'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 11185

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: J 11185-1

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9877

Level: (low/med) LOW

Date Received: 11/27/91

% Moisture: not dec. 23.

Date Analyzed: 12/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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74-87-3-----	Chloromethane	13.	U
74-83-9-----	Bromomethane	13.	U
75-01-4-----	Vinyl Chloride	13.	U
75-00-3-----	Chloroethane	13.	U
75-09-2-----	Methylene Chloride	7.	B
67-64-1-----	Acetone	26.	B
75-15-0-----	Carbon Disulfide	6.	U
75-35-4-----	1,1-Dichloroethene	6.	U
75-34-3-----	1,1-Dichloroethane	6.	U
540-59-0-----	1,2-Dichloroethene (total)	6.	U
67-66-3-----	Chloroform	6.	U
107-06-2-----	1,2-Dichloroethane	6.	U
78-93-3-----	2-Butanone	13.	U
71-55-6-----	1,1,1-Trichloroethane	6.	U
56-23-5-----	Carbon Tetrachloride	6.	U
108-05-4-----	Vinyl Acetate	13.	U
75-27-4-----	Bromodichloromethane	6.	U
78-87-5-----	1,2-Dichloropropane	6.	U
10061-01-5-----	cis-1,3-Dichloropropene	6.	U
79-01-6-----	Trichloroethene	6.	U
124-48-1-----	Dibromochloromethane	6.	U
79-00-5-----	1,1,2-Trichloroethane	6.	U
71-43-2-----	Benzene	6.	U
10061-02-6-----	trans-1,3-Dichloropropene	6.	U
75-25-2-----	Bromoform	6.	U
108-10-1-----	4-Methyl-2-Pentanone	13.	U
591-78-6-----	2-Hexanone	13.	U
127-18-4-----	Tetrachloroethene	6.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	6.	U
108-88-3-----	Toluene	6.	U
108-90-7-----	Chlorobenzene	6.	U
100-41-4-----	Ethylbenzene	6.	U
100-42-5-----	Styrene	6.	U
1330-20-7-----	Xylene (total)	6.	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

60-62'

Lab Name: INTECH Contract: 68-D9-0048  
Lab Code: INTECH Case No.: 11185 SAS No.: SDG No.: ANSON  
Matrix: (soil/water) SOIL Lab Sample ID: I11185-1  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: C9877  
Level: (low/med) LOW Date Received: 11/27/91  
% Moisture: not dec. 23. Date Analyzed: 12/10/91  
Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

74-76'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 11185

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: I11185-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9878

Level: (low/med) LOW

Date Received: 11/27/91

% Moisture: not dec. 18.

Date Analyzed: 12/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	12.	U
74-83-9-----	Bromomethane	12.	U
75-01-4-----	Vinyl Chloride	12.	U
75-00-3-----	Chloroethane	12.	U
75-09-2-----	Methylene Chloride	6.	B
67-64-1-----	Acetone	11.	BJ
75-15-0-----	Carbon Disulfide	6.	U
75-35-4-----	1,1-Dichloroethene	6.	U
75-34-3-----	1,1-Dichloroethane	6.	U
540-59-0-----	1,2-Dichloroethene (total)	6.	U
67-66-3-----	Chloroform	6.	U
107-06-2-----	1,2-Dichloroethane	6.	U
78-93-3-----	2-Butanone	12.	U
71-55-6-----	1,1,1-Trichloroethane	6.	U
56-23-5-----	Carbon Tetrachloride	6.	U
108-05-4-----	Vinyl Acetate	12.	U
75-27-4-----	Bromodichloromethane	6.	U
78-87-5-----	1,2-Dichloropropane	6.	U
10061-01-5-----	cis-1,3-Dichloropropene	6.	U
79-01-6-----	Trichloroethene	6.	U
124-48-1-----	Dibromochloromethane	6.	U
79-00-5-----	1,1,2-Trichloroethane	6.	U
71-43-2-----	Benzene	6.	U
10061-02-6-----	trans-1,3-Dichloropropene	6.	U
75-25-2-----	Bromoform	6.	U
108-10-1-----	4-Methyl-2-Pentanone	12.	U
591-78-6-----	2-Hexanone	12.	U
127-18-4-----	Tetrachloroethene	6.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	6.	U
108-88-3-----	Toluene	6.	U
108-90-7-----	Chlorobenzene	6.	U
100-41-4-----	Ethylbenzene	6.	U
100-42-5-----	Styrene	6.	U
1330-20-7-----	Xylene (total)	6.	U

FORM I VOA

1/87 Rev.

300391

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

74-76'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 11185

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: *I11185-2*

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9878

Level: (low/med) LOW

Date Received: 11/27/91

% Moisture: not dec. 18.

Date Analyzed: 12/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J 11185-3

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6403

Level: (low/med) LOW

Date Received: 11/27/91

% Moisture: not dec. 100.

Date Analyzed: 12/ 2/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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.	J
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	17.	
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-----	Xylene (total)	5.	U



1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J 1118<sup>5-3</sup>

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6403

Level: (low/med) LOW

Date Received: 11/27/91

Moisture: not dec. 100.

Date Analyzed: 12/ 2/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

T-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: I 11185-4

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6404

Level: (low/med) LOW

Date Received: 11/27/91

% Moisture: not dec. 100.

Date Analyzed: 12/ 2/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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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	3.	J
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.	U
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-----	Xylene (total)	5.	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

T-BLANK

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J11185-4

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: A6404

Level: (low/med) LOW

Date Received: 11/27/91

% Moisture: not dec. 100.

Date Analyzed: 12/ 2/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-02

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: Anstn  
 Matrix: [soil/water] SOIL Lab Sample ID: 59-63'  
 Sample wt/vol: 30.10 [g/mL] G Lab File ID: >B8030  
 Level: [low/med] LOW Date Received: 11/21/91  
 Moisture: not dec. 13 dec. 13 Date Extracted: 11/25/91  
 Extraction: [SepF/Cont/Sonc] SONC Date Analyzed: 11/30/91  
 PC Cleanup: [Y/N] N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2	Phenol	380	IU
111-44-4	bis(2-chloroethyl)ether	380	IU
95-57-8	2-Chlorophenol	380	IU
541-73-1	1,3-Dichlorobenzene	380	IU
106-46-7	1,4-Dichlorobenzene	380	IU
100-51-6	Benzyl alcohol	380	IU
95-50-1	1,2-Dichlorobenzene	380	IU
95-48-7	2-Methylphenol	380	IU
108-60-1	bis(2-chloroisopropyl)ether	380	IU
106-44-5	3&4-Methylphenol	380	IU
621-64-7	N-Nitroso-di-n-propylamine	380	IU
67-72-1	Hexachloroethane	380	IU
98-95-3	Nitrobenzene	380	IU
78-58-1	Isophorone	380	IU
88-75-5	2-Nitrophenol	380	IU
105-67-9	2,4-Dimethylphenol	380	IU
65-85-0	Benzoic acid	1900	IU
111-91-1	bis(2-Chloroethoxy)methane	380	IU
120-83-2	2,4-Dichlorophenol	380	IU
120-82-1	1,2,4-Trichlorobenzene	380	IU
91-20-3	Naphthalene	380	IU
106-47-8	4-Chloroaniline	380	IU
87-68-3	Hexachlorobutadiene	380	IU
59-50-7	4-Chloro-3-methylphenol	380	IU
91-57-6	2-Methylnaphthalene	380	IU
77-47-8	Hexachlorocyclopentadiene	380	IU
88-06-2	2,4,6-Trichlorophenol	380	IU
95-95-4	2,4,5-Trichlorophenol	380	IU
91-58-7	2-Chloronaphthalene	380	IU
88-74-4	2-Nitroaniline	1900	IU
131-11-3	Dimethylphthalate	380	IU
208-96-8	Acenaphthylene	380	IU
606-20-2	2,6-Dinitrotoluene	380	IU

300397

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-02

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: *An 502*

Matrix: [soil/water] SOIL

Lab Sample ID: *54-63*

Sample wt/vol: 30.10 [g/mL] G

Lab File ID: >BB030

Level: [low/med] LOW

Date Received: 11/21/91

Moisture: *not dec. 13 dec. 13*

Date Extracted: 11/25/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/30/91

PC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CONCENTRATION UNITS:  
[ug/L or ug/Kg] UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2-----	3-Nitroaniline	1900	IU
83-32-9-----	Acenaphthene	380	IU
51-28-5-----	2,4-Dinitrophenol	380	IU
100-02-7-----	4-Nitrophenol	1900	IU
132-64-9-----	Dibenzofuran	380	IU
121-14-2-----	2,4-Dinitrotoluene	380	IU
84-73-7-----	Diethylphthalate	380	IU
7005-72-3-----	4-Chlorophenyl-phenylether	380	IU
86-73-7-----	Fluorene	380	IU
100-01-6-----	4-Nitroaniline	1900	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	IU
86-30-6-----	N-Nitrosodiphenylamine	380	IU
101-55-3-----	4-Bromophenyl-phenylether	380	IU
118-74-1-----	Hexachlorobenzene	380	IU
87-86-5-----	Pentachlorophenol	1900	IU
85-01-8-----	Phenanthrene	380	IU
120-12-7-----	Anthracene	380	IU
84-74-2-----	Di-n-butylphthalate	380	IU
206-44-0-----	Fluoranthene	380	IU
129-00-0-----	Pyrene	380	IU
85-68-7-----	Butylbenzylphthalate	380	IU
91-94-1-----	3,3'-Dichlorobenzidine	760	IU
56-55-3-----	Benzo(a)anthracene	380	IU
218-01-9-----	Chrysene	380	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	180	I J
117-84-0-----	Di-n-octylphthalate	380	IU
205-99-2-----	Benzo(b)fluoranthene	380	IU
207-08-9-----	Benzo(k)fluoranthene	380	IU
50-32-8-----	Benzo(a)pyrene	380	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	380	IU
53-70-3-----	Dibenz(a,h)anthracene	380	IU
191-24-2-----	Benzo(g,h,i)perylene	380	IU

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111142-02

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID: 59-63'

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: >B0030

Level: (low/med) LOW

Date Received: ~~11~~ 11/21/91

Moisture: *not* dec. 13 . *dec.* 13

Date Extracted: 11/25/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/30/91

PC Cleanup: (Y/N) N pH: 7.5

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	2.25	150.	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I111142-03

Lab Name: INTECH Contract: 68-D9-0048

Lab Code: INTECH Case No.: 62-64-85 SAS No.: SDG No.: Anson

Matrix: [soil/water] WATER Lab Sample ID: F-BLANK

Sample wt/vol: 1000 [g/mL] ML Lab File ID: >B8027

Level: [low/med] LOW Date Received: 11/21/91

Moisture: dec 100. Date Extracted: 11/22/91

Extraction: [SepF/Cont/Sonc] SEPF Date Analyzed: 11/30/91

PC Cleanup: [Y/N] N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
108-95-2	Phenol	10	IU
111-44-4	bis(2-chloroethyl)ether	10	IU
95-57-8	2-Chlorophenol	10	IU
541-73-1	1,3-Dichlorobenzene	10	IU
106-46-7	1,4-Dichlorobenzene	10	IU
100-51-6	Benzyl alcohol	10	IU
95-50-1	1,2-Dichlorobenzene	10	IU
95-48-7	2-Methylphenol	10	IU
108-60-1	bis(2-chloroisopropyl)ether	10	IU
106-44-5	4-Methylphenol	10	IU
621-64-7	N-Nitroso-di-n-propylamine	10	IU
67-72-1	Hexachloroethane	10	IU
98-95-3	Nitrobenzene	10	IU
78-58-1	Isophorone	10	IU
88-75-5	2-Nitrophenol	10	IU
105-67-9	2,4-Dimethylphenol	10	IU
65-85-0	Benzoic acid	50	IU
111-91-1	bis(2-Chloroethoxy)methane	10	IU
120-83-2	2,4-Dichlorophenol	10	IU
120-82-1	1,2,4-Trichlorobenzene	10	IU
91-20-3	Naphthalene	10	IU
106-47-8	4-Chloroaniline	10	IU
87-68-3	Hexachlorobutadiene	10	IU
59-50-7	4-Chloro-3-methylphenol	10	IU
91-57-6	2-Methylnaphthalene	10	IU
77-47-8	Hexachlorocyclopentadiene	10	IU
88-06-2	2,4,6-Trichlorophenol	10	IU
95-95-4	2,4,5-Trichlorophenol	10	IU
91-58-7	2-Chloronaphthalene	10	IU
88-74-4	2-Nitroaniline	50	IU
131-11-3	Dimethylphthalate	10	IU
208-96-8	Acenaphthylene	10	IU
606-20-2	2,6-Dinitrotoluene	10	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-03

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 4264-85 SAS No.: SDG No.: Anon  
 Matrix: [soil/water] WATER Lab Sample ID: F-BLANK  
 Sample wt/vol: 1000 [g/mL] ML Lab File ID: >B8027  
 Level: [low/med] LOW Date Received: 11/21/91  
 % Moisture: dec 100. Date Extracted: 11/22/91  
 Extraction: [SepF/Cont/Sonc] SEPF Date Analyzed: 11/30/91  
 SPC Cleanup: [Y/N] N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
99-09-2-----	3-Nitroaniline	50	IU
83-32-9-----	Acenaphthene	10	IU
51-28-5-----	2,4-Dinitrophenol	10	IU
100-02-7-----	4-Nitrophenol	50	IU
132-64-9-----	Dibenzofuran	10	IU
121-14-2-----	2,4-Dinitrotoluene	10	IU
84-73-7-----	Diethylphthalate	10	IU
7005-72-3-----	4-Chlorophenyl-phenylether	10	IU
86-73-7-----	Fluorene	10	IU
100-01-6-----	4-Nitroaniline	50	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	50	IU
86-30-6-----	N-Nitrosodiphenylamine	10	IU
101-55-3-----	4-Bromophenyl-phenylether	10	IU
118-74-1-----	Hexachlorobenzene	10	IU
87-86-5-----	Pentachlorophenol	50	IU
85-01-8-----	Phenanthrene	10	IU
120-12-7-----	Anthracene	10	IU
84-74-2-----	Di-n-butylphthalate	10	IU
206-44-0-----	Fluoranthene	10	IU
129-00-0-----	Pyrene	10	IU
85-68-7-----	Butylbenzylphthalate	10	IU
91-94-1-----	3,3'-Dichlorobenzidine	20	IU
56-55-3-----	Benzo(a)anthracene	10	IU
218-01-9-----	Chrysene	10	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	IU
117-84-0-----	Di-n-octylphthalate	10	IU
205-99-2-----	Benzo(b)fluoranthene	10	IU
207-08-9-----	Benzo(k)fluoranthene	10	IU
50-32-8-----	Benzo(a)pyrene	10	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	IU
53-70-3-----	Dibenz(a,h)anthracene	10	IU
191-24-2-----	Benzo(g,h,i)perylene	10	IU





1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-04

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: *42-64-85* SAS No.:

SDG No.: *Arson*

Matrix: [soil/water] SOIL

Lab Sample ID: *120-122'*

Sample wt/vol: 30.52 [g/mL] G

Lab File ID: >B8031

Level: [low/med] LOW

Date Received: *11/21/91*

Moisture: *not dec. 23 dec. 23*

Date Extracted: *11/25/91*

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: *11/30/91*

PC Cleanup: [Y/N] N pH: 8.0

Dilution Factor: *1.00*

CONCENTRATION UNITS:  
[ug/L or ug/Kg] UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2	Phenol	430	IU
111-44-4	bis(2-chloroethyl)ether	430	IU
95-57-8	2-Chlorophenol	430	IU
541-73-1	1,3-Dichlorobenzene	430	IU
106-46-7	1,4-Dichlorobenzene	430	IU
100-51-6	Benzyl alcohol	430	IU
95-50-1	1,2-Dichlorobenzene	430	IU
95-48-7	2-Methylphenol	430	IU
108-60-1	bis(2-chloroisopropyl)ether	430	IU
106-44-5	3&4-Methylphenol	430	IU
621-64-7	N-Nitroso-di-n-propylamine	430	IU
67-72-1	Hexachloroethane	430	IU
98-95-3	Nitrobenzene	430	IU
78-58-1	Isophorone	430	IU
88-75-5	2-Nitrophenol	430	IU
105-67-9	2,4-Dimethylphenol	430	IU
65-85-0	Benzoic acid	2100	IU
111-91-1	bis(2-Chloroethoxy)methane	430	IU
120-83-2	2,4-Dichlorophenol	430	IU
120-82-1	1,2,4-Trichlorobenzene	430	IU
91-20-3	Naphthalene	430	IU
106-47-8	4-Chloroaniline	430	IU
87-68-3	Hexachlorobutadiene	430	IU
59-50-7	4-Chloro-3-methylphenol	430	IU
91-57-6	2-Methylnaphthalene	430	IU
77-47-8	Hexachlorocyclopentadiene	430	IU
88-06-2	2,4,6-Trichlorophenol	430	IU
95-95-4	2,4,5-Trichlorophenol	430	IU
91-58-7	2-Chloronaphthalene	430	IU
88-74-4	2-Nitroaniline	2100	IU
131-11-3	Dimethylphthalate	430	IU
208-96-8	Acenaphthylene	430	IU
606-20-2	2,6-Dinitrotoluene	430	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-04

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: AN/qa

Matrix: [soil/water] SOIL

Lab Sample ID: 120-122'

Sample wt/vol: 30.52 [g/mL] G

Lab File ID: >BB031

Level: [low/med] LOW

Date Received: 11/21/91

Moisture: not dec. 23 dec. 23

Date Extracted: 11/25/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/30/91

PC Cleanup: [Y/N] N pH: 8.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
---------	----------	---	---

99-09-2-----	3-Nitroaniline	2100	IU
83-32-9-----	Acenaphthene	430	IU
51-28-5-----	2,4-Dinitrophenol	430	IU
100-02-7-----	4-Nitrophenol	2100	IU
132-64-9-----	Dibenzofuran	430	IU
121-14-2-----	2,4-Dinitrotoluene	430	IU
84-73-7-----	Diethylphthalate	430	IU
7005-72-3-----	4-Chlorophenyl-phenylether	430	IU
86-73-7-----	Fluorene	430	IU
100-01-6-----	4-Nitroaniline	2100	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	2100	IU
86-30-6-----	N-Nitrosodiphenylamine	430	IU
101-55-3-----	4-Bromophenyl-phenylether	430	IU
118-74-1-----	Hexachlorobenzene	430	IU
87-86-5-----	Pentachlorophenol	2100	IU
85-01-8-----	Phenanthrene	430	IU
120-12-7-----	Anthracene	430	IU
84-74-2-----	Di-n-butylphthalate	430	IU
206-44-0-----	Fluoranthene	430	IU
129-00-0-----	Pyrene	430	IU
85-68-7-----	Butylbenzylphthalate	430	IU
91-94-1-----	3,3'-Dichlorobenzidine	850	IU
56-55-3-----	Benzo(a)anthracene	430	IU
218-01-9-----	Chrysene	430	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	220	I J
117-84-0-----	Di-n-octylphthalate	430	IU
205-99-2-----	Benzo(b)fluoranthene	430	IU
207-08-9-----	Benzo(k)fluoranthene	430	IU
50-32-8-----	Benzo(a)pyrene	430	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	430	IU
53-70-3-----	Dibenz(a,h)anthracene	430	IU
191-24-2-----	Benzo(g,h,i)perylene	430	IU

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111142-04

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID: 120-122

Sample wt/vol: 30.52 (g/mL) G

Lab File ID: >B8031

Level: (low/med) LOW

Date Received: 11/21/91

Moisture: *not dec. 23* . *dec. 23*

Date Extracted: 11/25/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/30/91

PC Cleanup: (Y/N) N

pH: 8.0

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.04	210.	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-05

Lab Name: INTECH Contract: 68-D9-0048

Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: *An Sun*

Matrix: [soil/water] WATER Lab Sample ID: *F-BLANK*

Sample wt/vol: 1000 [g/mL] ML Lab File ID: >BB028

Level: [low/med] LOW Date Received: 11/21/91

% Moisture: dec 100. Date Extracted: 11/22/91

Extraction: [SepF/Cont/Sonc] SEPF Date Analyzed: 11/30/91

IPC Cleanup: [Y/N] N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L		Q
108-95-2	Phenol	10	10	10
111-44-4	bis(2-chloroethyl)ether	10	10	10
95-57-8	2-Chlorophenol	10	10	10
541-73-1	1,3-Dichlorobenzene	10	10	10
106-46-7	1,4-Dichlorobenzene	10	10	10
100-51-6	Benzyl alcohol	10	10	10
95-50-1	1,2-Dichlorobenzene	10	10	10
95-48-7	2-Methylphenol	10	10	10
108-60-1	bis(2-chloroisopropyl)ether	10	10	10
106-44-5	4-Methylphenol	10	10	10
621-64-7	N-Nitroso-di-n-propylamine	10	10	10
67-72-1	Hexachloroethane	10	10	10
98-95-3	Nitrobenzene	10	10	10
78-58-1	Isophorone	10	10	10
88-75-5	2-Nitrophenol	10	10	10
105-67-9	2,4-Dimethylphenol	10	10	10
65-85-0	Benzoic acid	50	10	10
111-91-1	bis(2-Chloroethoxy)methane	10	10	10
120-83-2	2,4-Dichlorophenol	10	10	10
120-82-1	1,2,4-Trichlorobenzene	10	10	10
91-20-3	Naphthalene	10	10	10
106-47-8	4-Chloroaniline	10	10	10
87-68-3	Hexachlorobutadiene	10	10	10
59-50-7	4-Chloro-3-methylphenol	10	10	10
91-57-6	2-Methylnaphthalene	10	10	10
77-47-8	Hexachlorocyclopentadiene	10	10	10
88-06-2	2,4,6-Trichlorophenol	10	10	10
95-95-4	2,4,5-Trichlorophenol	10	10	10
91-58-7	2-Chloronaphthalene	10	10	10
88-74-4	2-Nitroaniline	50	10	10
131-11-3	Dimethylphthalate	10	10	10
208-96-8	Acenaphthylene	10	10	10
606-20-2	2,6-Dinitrotoluene	10	10	10

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111142-05

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: *Arson*  
 Matrix: [soil/water] WATER Lab Sample ID: *F-BLANK*  
 Sample wt/vol: 1000 [g/mL] ML Lab File ID: >B8028  
 Level: [low/med] LOW Date Received: 11/21/91  
 Moisture: dec 100. Date Extracted: 11/22/91  
 Extraction: [SepF/Cont/Sonc] SEPF Date Analyzed: 11/30/91  
 PC Cleanup: [Y/N] N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
99-09-2	3-Nitroaniline	50	IU
83-32-9	Acenaphthene	10	IU
51-28-5	2,4-Dinitrophenol	10	IU
100-02-7	4-Nitrophenol	50	IU
132-64-9	Dibenzofuran	10	IU
121-14-2	2,4-Dinitrotoluene	10	IU
84-73-7	Diethylphthalate	10	IU
7005-72-3	4-Chlorophenyl-phenylether	10	IU
86-73-7	Fluorene	10	IU
100-01-6	4-Nitroaniline	50	IU
534-52-1	4,6-Dinitro-2-methylphenol	50	IU
86-30-6	N-Nitrosodiphenylamine	10	IU
101-55-3	4-Bromophenyl-phenylether	10	IU
118-74-1	Hexachlorobenzene	10	IU
87-86-5	Pentachlorophenol	50	IU
85-01-8	Phenanthrene	10	IU
120-12-7	Anthracene	10	IU
84-74-2	Di-n-butylphthalate	10	IU
206-44-0	Fluoranthene	10	IU
129-00-0	Pyrene	10	IU
85-68-7	Butylbenzylphthalate	10	IU
91-94-1	3,3'-Dichlorobenzidine	20	IU
56-55-3	Benzo(a)anthracene	10	IU
218-01-9	Chrysene	10	IU
117-81-7	bis(2-Ethylhexyl)phthalate	3	J
117-84-0	Di-n-octylphthalate	10	IU
205-99-2	Benzo(b)fluoranthene	10	IU
207-08-9	Benzo(k)fluoranthene	10	IU
50-32-8	Benzo(a)pyrene	10	IU
193-39-5	Indeno(1,2,3-cd)pyrene	10	IU
53-70-3	Dibenz(a,h)anthracene	10	IU
191-24-2	Benzo(g,h,i)perylene	10	IU

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111142-05
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Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) WATER

Lab Sample ID: *F-blank*

Sample wt/Vol: 1000 (g/mL) ML

Lab File ID: >B8028

Level: (low/med) low

Date Received: 11/21/91

% Moisture: dec. 100.

Date Extracted: 11/22/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/30/91

SPC Cleanup: (Y/N) N pH: 8.0

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111164-01

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: *42-64-85* SAS No.:

SDG No.: *ANW*

Matrix: [soil/water] SOIL

Lab Sample ID: *60-62'*

Sample wt/vol: 30.25 [g/mL] G

Lab File ID: >BB065

Level: [low/med] LOW

Date Received: *11/26/91*

Moisture: *not dec. 52 dec. 52*

Date Extracted: *11/27/91*

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/03/91

IPC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CONCENTRATION UNITS:  
[ug/L or ug/Kg] UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2	Phenol	690	IU
111-44-4	bis(2-chloroethyl)ether	690	IU
95-57-8	2-Chlorophenol	690	IU
541-73-1	1,3-Dichlorobenzene	690	IU
106-46-7	1,4-Dichlorobenzene	690	IU
100-51-6	Benzyl alcohol	690	IU
95-50-1	1,2-Dichlorobenzene	690	IU
95-48-7	2-Methylphenol	690	IU
108-60-1	bis(2-chloroisopropyl)ether	690	IU
106-44-5	3&4-Methylphenol	690	IU
621-64-7	N-Nitroso-di-n-propylamine	690	IU
67-72-1	Hexachloroethane	690	IU
98-95-3	Nitrobenzene	690	IU
78-58-1	Isophorone	690	IU
88-75-5	2-Nitrophenol	690	IU
105-67-9	2,4-Dimethylphenol	690	IU
65-85-0	Benzoic acid	3400	IU
111-91-1	bis(2-Chloroethoxy)methane	690	IU
120-83-2	2,4-Dichlorophenol	690	IU
120-82-1	1,2,4-Trichlorobenzene	690	IU
91-20-3	Naphthalene	690	IU
106-47-8	4-Chloroaniline	690	IU
87-68-3	Hexachlorobutadiene	690	IU
59-50-7	4-Chloro-3-methylphenol	690	IU
91-57-6	2-Methylnaphthalene	690	IU
77-47-8	Hexachlorocyclopentadiene	690	IU
88-06-2	2,4,6-Trichlorophenol	690	IU
95-95-4	2,4,5-Trichlorophenol	690	IU
91-58-7	2-Chloronaphthalene	690	IU
88-74-4	2-Nitroaniline	3400	IU
131-11-3	Dimethylphthalate	690	IU
208-96-8	Acenaphthylene	690	IU
606-20-2	2,6-Dinitrotoluene	690	IU



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111164-01

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: ANSON  
 Matrix: [soil/water] SOIL Lab Sample ID: 60-62'  
 Sample wt/vol: 30.25 [g/mL] G Lab File ID: >B8065  
 Level: [low/med] LOW Date Received: 11/26/91  
 Moisture: wet dec. 92 dwt. 52 Date Extracted: 11/27/91  
 Extraction: [SepF/Cont/Sonc] SONC Date Analyzed: 12/03/91  
 PC Cleanup: [Y/N] N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2	3-Nitroaniline	3400	1U
83-32-9	Acenaphthene	690	1U
51-28-5	2,4-Dinitrophenol	690	1U
100-02-7	4-Nitrophenol	3400	1U
132-64-9	Dibenzofuran	690	1U
121-14-2	2,4-Dinitrotoluene	690	1U
84-73-7	Diethylphthalate	690	1U
7005-72-3	4-Chlorophenyl-phenylether	690	1U
86-73-7	Fluorene	690	1U
100-01-6	4-Nitroaniline	3400	1U
534-52-1	4,6-Dinitro-2-methylphenol	3400	1U
86-30-6	N-Nitrosodiphenylamine	690	1U
101-55-3	4-Bromophenyl-phenylether	690	1U
118-74-1	Hexachlorobenzene	690	1U
87-86-5	Pentachlorophenol	3400	1U
85-01-8	Phenanthrene	690	1U
120-12-7	Anthracene	690	1U
84-74-2	Di-n-butylphthalate	690	1U
206-44-0	Fluoranthene	690	1U
129-00-0	Pyrene	690	1U
85-68-7	Butylbenzylphthalate	690	1U
91-94-1	3,3'-Dichlorobenzidine	1400	1U
56-55-3	Benzo(a)anthracene	690	1U
218-01-9	Chrysene	690	1U
117-81-7	bis(2-Ethylhexyl)phthalate	690	1U
117-84-0	Di-n-octylphthalate	690	1U
205-99-2	Benzo(b)fluoranthene	690	1U
207-08-9	Benzo(k)fluoranthene	690	1U
50-32-8	Benzo(a)pyrene	690	1U
193-39-5	Indeno(1,2,3-cd)pyrene	690	1U
53-70-3	Dibenz(a,h)anthracene	690	1U
191-24-2	Benzo(g,h,i)perylene	690	1U

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

I111164-01

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID: 60-62'

Sample wt/vol: 30.25 (g/mL) G

Lab File ID: >B8065

Level: (low/med) LOW

Date Received: 11/26/91

Moisture: *no*Dec. 52 . *dec*. 52

Date Extracted: 11/27/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/03/91

PC Cleanup: (Y/N) N

pH: 7.5

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	3.62	480.	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111164-02

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: *An 16n*  
 Matrix: [soil/water] SOIL Lab Sample ID: 75-77'  
 Sample wt/vol: 30.21 [g/mL] G Lab File ID: >B8066  
 Level: [low/med] LOW Date Received: 11/26/91  
 Moisture: *not dec. 23 dec. 23* Date Extracted: 11/27/91  
 Extraction: [SepF/Cont/Sonc] SONC Date Analyzed: 12/03/91  
 PC Cleanup: [Y/N] N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2-----	Phenol	430	IU
111-44-4-----	bis(2-chloroethyl)ether	430	IU
95-57-8-----	2-Chlorophenol	430	IU
541-73-1-----	1,3-Dichlorobenzene	430	IU
106-46-7-----	1,4-Dichlorobenzene	430	IU
100-51-6-----	Benzyl alcohol	430	IU
95-50-1-----	1,2-Dichlorobenzene	430	IU
95-48-7-----	2-Methylphenol	430	IU
108-60-1-----	bis(2-chloroisopropyl)ether	430	IU
106-44-5-----	3&4-Methylphenol	430	IU
621-64-7-----	N-Nitroso-di-n-propylamine	430	IU
67-72-1-----	Hexachloroethane	430	IU
98-95-3-----	Nitrobenzene	430	IU
78-58-1-----	Isophorone	430	IU
88-75-5-----	2-Nitrophenol	430	IU
105-67-9-----	2,4-Dimethylphenol	430	IU
65-85-0-----	Benzoic acid	2100	IU
111-91-1-----	bis(2-Chloroethoxy)methane	430	IU
120-83-2-----	2,4-Dichlorophenol	430	IU
120-82-1-----	1,2,4-Trichlorobenzene	430	IU
91-20-3-----	Naphthalene	430	IU
106-47-8-----	4-Chloroaniline	430	IU
87-68-3-----	Hexachlorobutadiene	430	IU
59-50-7-----	4-Chloro-3-methylphenol	430	IU
91-57-6-----	2-Methylnaphthalene	430	IU
77-47-8-----	Hexachlorocyclopentadiene	430	IU
88-06-2-----	2,4,6-Trichlorophenol	430	IU
95-95-4-----	2,4,5-Trichlorophenol	430	IU
91-58-7-----	2-Chloronaphthalene	430	IU
88-74-4-----	2-Nitroaniline	2100	IU
131-11-3-----	Dimethylphthalate	430	IU
208-96-8-----	Acenaphthylene	430	IU
606-20-2-----	2,6-Dinitrotoluene	430	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111164-02

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: *Answer*

Matrix: [soil/water] SOIL

Lab Sample ID: 75-77'

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: >B8066

Level: [low/med] LOW

Date Received: 11/26/91

% Moisture: *not dec. 23 dec. 23*

Date Extracted: 11/27/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/03/91

SPC Cleanup: [Y/N] N pH: 7.5

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2-----	3-Nitroaniline	2100	IU
83-32-9-----	Acenaphthene	430	IU
51-28-5-----	2,4-Dinitrophenol	430	IU
100-02-7-----	4-Nitrophenol	2100	IU
132-64-9-----	Dibenzofuran	430	IU
121-14-2-----	2,4-Dinitrotoluene	430	IU
84-73-7-----	Diethylphthalate	430	IU
7005-72-3-----	4-Chlorophenyl-phenylether	430	IU
86-73-7-----	Fluorene	430	IU
100-01-6-----	4-Nitroaniline	2100	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	2100	IU
86-30-6-----	N-Nitrosodiphenylamine	430	IU
101-55-3-----	4-Bromophenyl-phenylether	430	IU
118-74-1-----	Hexachlorobenzene	430	IU
87-86-5-----	Pentachlorophenol	2100	IU
85-01-8-----	Phenanthrene	430	IU
120-12-7-----	Anthracene	430	IU
84-74-2-----	Di-n-butylphthalate	430	IU
206-44-0-----	Fluoranthene	430	IU
129-00-0-----	Pyrene	430	IU
85-68-7-----	Butylbenzylphthalate	430	IU
91-94-1-----	3,3'-Dichlorobenzidine	860	IU
56-55-3-----	Benzo(a)anthracene	430	IU
218-01-9-----	Chrysene	430	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	430	IU
117-84-0-----	Di-n-octylphthalate	430	IU
205-99-2-----	Benzo(b)fluoranthene	430	IU
207-08-9-----	Benzo(k)fluoranthene	430	IU
50-32-8-----	Benzo(a)pyrene	430	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	430	IU
53-70-3-----	Dibenz(a,h)anthracene	430	IU
191-24-2-----	Benzo(g,h,i)perylene	430	IU

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111164-02

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID: 75-77

Sample wt/vol: 30.21 (g/mL) G

Lab File ID: >B8066

Level: (low/med) LOW

Date Received: 11/26/91

Moisture: 10% dec. 23 .      *dec. 23*

Date Extracted: 11/27/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/03/91

PC Cleanup: (Y/N) N

pH: 7.5

Dilution Factor: |.00

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	3.61	520.	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I111164-02RE

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: *Arson*

Matrix: [soil/water] SOIL

Lab Sample ID: 75-77'

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: >B8084

Level: [low/med] LOW

Date Received: 11/26/91

Moisture: *not dec. 23* *dec. 23*

Date Extracted: 11/27/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/04/91

PC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CONCENTRATION UNITS:  
[ug/L or ug/Kg] UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2	Phenol	430	IU
111-44-4	bis(2-chloroethyl)ether	430	IU
95-57-8	2-Chlorophenol	430	IU
541-73-1	1,3-Dichlorobenzene	430	IU
106-46-7	1,4-Dichlorobenzene	430	IU
100-51-6	Benzyl alcohol	430	IU
95-50-1	1,2-Dichlorobenzene	430	IU
95-48-7	2-Methylphenol	430	IU
108-60-1	bis(2-chloroisopropyl)ether	430	IU
106-44-5	3&4-Methylphenol	430	IU
621-64-7	N-Nitroso-di-n-propylamine	430	IU
67-72-1	Hexachloroethane	430	IU
98-95-3	Nitrobenzene	430	IU
78-58-1	Isophorone	430	IU
88-75-5	2-Nitrophenol	430	IU
105-67-9	2,4-Dimethylphenol	430	IU
65-85-0	Benzoic acid	2100	IU
111-91-1	bis(2-Chloroethoxy)methane	430	IU
120-83-2	2,4-Dichlorophenol	430	IU
120-82-1	1,2,4-Trichlorobenzene	430	IU
91-20-3	Naphthalene	430	IU
106-47-8	4-Chloroaniline	430	IU
87-68-3	Hexachlorobutadiene	430	IU
59-50-7	4-Chloro-3-methylphenol	430	IU
91-57-6	2-Methylnaphthalene	430	IU
77-47-8	Hexachlorocyclopentadiene	430	IU
88-06-2	2,4,6-Trichlorophenol	430	IU
95-95-4	2,4,5-Trichlorophenol	430	IU
91-58-7	2-Chloronaphthalene	430	IU
88-74-4	2-Nitroaniline	2100	IU
131-11-3	Dimethylphthalate	430	IU
208-96-8	Acenaphthylene	430	IU
606-20-2	2,6-Dinitrotoluene	430	IU

224

300415

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I111164-02RE

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-25 SAS No.:

SDG No.: Anson

Matrix: [soil/water] SOIL

Lab Sample ID: 75-77'

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: >B8084

Level: [low/med] LOW

Date Received: 11/26/91

Moisture: not dec. 23 dec. 23

Date Extracted: 11/27/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/04/91

PC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		[ug/L or ug/Kg]	UG/KG
99-09-2-----	3-Nitroaniline	2100	IU
83-32-9-----	Acenaphthene	430	IU
51-28-5-----	2,4-Dinitrophenol	430	IU
100-02-7-----	4-Nitrophenol	2100	IU
132-64-9-----	Dibenzofuran	430	IU
121-14-2-----	2,4-Dinitrotoluene	430	IU
84-73-7-----	Diethylphthalate	430	IU
7005-72-3-----	4-Chlorophenyl-phenylether	430	IU
86-73-7-----	Fluorene	430	IU
100-01-6-----	4-Nitroaniline	2100	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	2100	IU
86-30-6-----	N-Nitrosodiphenylamine	430	IU
101-55-3-----	4-Bromophenyl-phenylether	430	IU
118-74-1-----	Hexachlorobenzene	430	IU
87-86-5-----	Pentachlorophenol	2100	IU
85-01-8-----	Phenanthrene	430	IU
120-12-7-----	Anthracene	430	IU
84-74-2-----	Di-n-butylphthalate	430	IU
206-44-0-----	Fluoranthene	430	IU
129-00-0-----	Pyrene	430	IU
85-68-7-----	Butylbenzylphthalate	430	IU
91-94-1-----	3,3'-Dichlorobenzidine	860	IU
56-55-3-----	Benzo(a)anthracene	430	IU
218-01-9-----	Chrysene	430	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	430	IU
117-84-0-----	Di-n-octylphthalate	430	IU
205-99-2-----	Benzo(b)fluoranthene	430	IU
207-08-9-----	Benzo(k)fluoranthene	430	IU
50-32-8-----	Benzo(a)pyrene	430	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	430	IU
53-70-3-----	Dibenz(a,h)anthracene	430	IU
191-24-2-----	Benzo(g,h,i)perylene	430	IU

1F  
 SEMI VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

I111164-02RE

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID: 75-77

Sample wt/vol: 30.21 (g/mL) G

Lab File ID: >88084

Level: (low/med) LOW

Date Received: 11/26/91

% Moisture: not dec. 23 . dec. 23

Date Extracted: 11/27/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/04/91

GPC Cleanup: (Y/N) N pH: 7.5

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	3.58	600.	J



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111164-03

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: Anson

Matrix: [soil/water] WATER

Lab Sample ID: F-BLANK

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >B8083

Level: [low/med] LOW

Date Received: 11/26/91

% Moisture: dec 100.

Date Extracted: 11/27/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 12/04/91

GPC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L		Q
108-95-2-----	Phenol	10	IU	
111-44-4-----	bis(2-chloroethyl)ether	10	IU	
95-57-8-----	2-Chlorophenol	10	IU	
541-73-1-----	1,3-Dichlorobenzene	10	IU	
106-46-7-----	1,4-Dichlorobenzene	10	IU	
100-51-6-----	Benzyl alcohol	10	IU	
95-50-1-----	1,2-Dichlorobenzene	10	IU	
95-48-7-----	2-Methylphenol	10	IU	
108-60-1-----	bis(2-chloroisopropyl)ether	10	IU	
106-44-5-----	4-Methylphenol	10	IU	
621-64-7-----	N-Nitroso-di-n-propylamine	10	IU	
67-72-1-----	Hexachloroethane	10	IU	
98-95-3-----	Nitrobenzene	10	IU	
78-58-1-----	Isophorone	10	IU	
88-75-5-----	2-Nitrophenol	10	IU	
105-67-9-----	2,4-Dimethylphenol	10	IU	
65-85-0-----	Benzoic acid	50	IU	
111-91-1-----	bis(2-Chloroethoxy)methane	10	IU	
120-83-2-----	2,4-Dichlorophenol	10	IU	
120-82-1-----	1,2,4-Trichlorobenzene	10	IU	
91-20-3-----	Naphthalene	10	IU	
106-47-8-----	4-Chloroaniline	10	IU	
87-68-3-----	Hexachlorobutadiene	10	IU	
59-50-7-----	4-Chloro-3-methylphenol	10	IU	
91-57-6-----	2-Methylnaphthalene	10	IU	
77-47-8-----	Hexachlorocyclopentadiene	10	IU	
88-06-2-----	2,4,6-Trichlorophenol	10	IU	
95-95-4-----	2,4,5-Trichlorophenol	10	IU	
91-58-7-----	2-Chloronaphthalene	10	IU	
88-74-4-----	2-Nitroaniline	50	IU	
131-11-3-----	Dimethylphthalate	10	IU	
208-96-8-----	Acenaphthylene	10	IU	
606-20-2-----	2,6-Dinitrotoluene	10	IU	

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111164-03

Lab Name: INTECH Contract: 68-D9-0048

Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: *Arson*

Matrix: [soil/water] WATER Lab Sample ID: *F-BLANK*

Sample wt/vol: 1000 [g/mL] ML Lab File ID: >B8083

Level: [low/med] LOW Date Received: 11/26/91

Moisture: dec 100. Date Extracted: 11/27/91

Extraction: [SepF/Cont/Sonc] SEPF Date Analyzed: 12/04/91

PC Cleanup: [Y/N] N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L		Q
99-09-2	3-Nitroaniline	50	IU	
83-32-9	Acenaphthene	10	IU	
51-28-5	2,4-Dinitrophenol	10	IU	
100-02-7	4-Nitrophenol	50	IU	
132-64-9	Dibenzofuran	10	IU	
121-14-2	2,4-Dinitrotoluene	10	IU	
84-73-7	Diethylphthalate	10	IU	
7005-72-3	4-Chlorophenyl-phenylether	10	IU	
86-73-7	Fluorene	10	IU	
100-01-6	4-Nitroaniline	50	IU	
534-52-1	4,6-Dinitro-2-methylphenol	50	IU	
86-30-6	N-Nitrosodiphenylamine	10	IU	
101-55-3	4-Bromophenyl-phenylether	10	IU	
118-74-1	Hexachlorobenzene	10	IU	
87-86-5	Pentachlorophenol	50	IU	
85-01-8	Phenanthrene	10	IU	
120-12-7	Anthracene	10	IU	
84-74-2	Di-n-butylphthalate	10	IU	
206-44-0	Fluoranthene	10	IU	
129-00-0	Pyrene	10	IU	
85-68-7	Butylbenzylphthalate	10	IU	
91-94-1	3,3'-Dichlorobenzidine	20	IU	
56-55-3	Benzo(a)anthracene	10	IU	
218-01-9	Chrysene	10	IU	
117-81-7	bis(2-Ethylhexyl)phthalate	10	IU	
117-84-0	Di-n-octylphthalate	10	IU	
205-99-2	Benzo(b)fluoranthene	10	IU	
207-08-9	Benzo(k)fluoranthene	10	IU	
50-32-8	Benzo(a)pyrene	10	IU	
193-39-5	Indeno(1,2,3-cd)pyrene	10	IU	
53-70-3	Dibenz(a,h)anthracene	10	IU	
191-24-2	Benzo(g,h,i)perylene	10	IU	

1F  
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

I 111164-03

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) WATER

Lab Sample ID: F-BLANK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: >B8083

Level: (low/med) LOW

Date Received: <sup>3</sup>11/26/91

Moisture: dec. 100.

Date Extracted: 11/27/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 12/04/91

PC Cleanup: (Y/N) N pH: 7.5

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111185-01

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: *42-64-85* SAS No.:

SDG No.: *Ankn*

Matrix: [soil/water] SOIL

Lab Sample ID: *60-62*

Sample wt/vol: 30.40 [g/mL] G

Lab File ID: >B8095

Level: [low/med] LOW

Date Received: 11/27/91

Moisture: *not* dec. 23 *dec. 23*

Date Extracted: 12/03/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/06/91

PC Cleanup: [Y/N] N

pH: 8.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2	Phenol	430	IU
111-44-4	bis(2-chloroethyl)ether	430	IU
95-57-8	2-Chlorophenol	430	IU
541-73-1	1,3-Dichlorobenzene	430	IU
106-46-7	1,4-Dichlorobenzene	430	IU
100-51-6	Benzyl alcohol	430	IU
95-50-1	1,2-Dichlorobenzene	430	IU
95-48-7	2-Methylphenol	430	IU
108-60-1	bis(2-chloroisopropyl)ether	430	IU
106-44-5	3&4-Methylphenol	430	IU
621-64-7	N-Nitroso-di-n-propylamine	430	IU
67-72-1	Hexachloroethane	430	IU
98-95-3	Nitrobenzene	430	IU
78-58-1	Isophorone	430	IU
88-75-5	2-Nitrophenol	430	IU
105-67-9	2,4-Dimethylphenol	430	IU
65-85-0	Benzoic acid	2100	IU
111-91-1	bis(2-Chloroethoxy)methane	430	IU
120-83-2	2,4-Dichlorophenol	430	IU
120-82-1	1,2,4-Trichlorobenzene	430	IU
91-20-3	Naphthalene	430	IU
106-47-8	4-Chloroaniline	430	IU
87-68-3	Hexachlorobutadiene	430	IU
59-50-7	4-Chloro-3-methylphenol	430	IU
91-57-6	2-Methylnaphthalene	430	IU
77-47-8	Hexachlorocyclopentadiene	430	IU
88-06-2	2,4,6-Trichlorophenol	430	IU
95-95-4	2,4,5-Trichlorophenol	430	IU
91-58-7	2-Chloronaphthalene	430	IU
88-74-4	2-Nitroaniline	2100	IU
131-11-3	Dimethylphthalate	430	IU
208-96-8	Acenaphthylene	430	IU
606-20-2	2,6-Dinitrotoluene	430	IU

235

300421

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111185-01

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64-85 SAS No.: SDG No.: A2/82  
 Matrix: [soil/water] SOIL Lab Sample ID: 60-62  
 Sample wt/vol: 30.40 [g/mL] G Lab File ID: >B8095  
 Level: [low/med] LOW Date Received: 11/27/91  
 Moisture: *m*Dec. 23 *dec.* 23 Date Extracted: 12/03/91  
 Extraction: [SepF/Cont/Sonc] SONC Date Analyzed: 12/06/91  
 PC Cleanup: [Y/N] N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2	3-Nitroaniline	2100	IU
83-32-9	Acenaphthene	430	IU
51-28-5	2,4-Dinitrophenol	430	IU
100-02-7	4-Nitrophenol	2100	IU
132-64-9	Dibenzofuran	430	IU
121-14-2	2,4-Dinitrotoluene	430	IU
84-73-7	Diethylphthalate	430	IU
7005-72-3	4-Chlorophenyl-phenylether	430	IU
86-73-7	Fluorene	430	IU
100-01-6	4-Nitroaniline	2100	IU
534-52-1	4,6-Dinitro-2-methylphenol	2100	IU
86-30-6	N-Nitrosodiphenylamine	430	IU
101-55-3	4-Bromophenyl-phenylether	430	IU
118-74-1	Hexachlorobenzene	430	IU
87-86-5	Pentachlorophenol	2100	IU
85-01-8	Phenanthrene	430	IU
120-12-7	Anthracene	430	IU
84-74-2	Di-n-butylphthalate	430	IU
206-44-0	Fluoranthene	430	IU
129-00-0	Pyrene	430	IU
85-68-7	Butylbenzylphthalate	430	IU
91-94-1	3,3'-Dichlorobenzidine	850	IU
56-55-3	Benzo(a)anthracene	430	IU
218-01-9	Chrysene	430	IU
117-81-7	bis(2-Ethylhexyl)phthalate	36	I J
117-84-0	Di-n-octylphthalate	430	IU
205-99-2	Benzo(b)fluoranthene	430	IU
207-08-9	Benzo(k)fluoranthene	430	IU
50-32-8	Benzo(a)pyrene	430	IU
193-39-5	Indeno(1,2,3-cd)pyrene	430	IU
53-70-3	Dibenz(a,h)anthracene	430	IU
191-24-2	Benzo(g,h,i)perylene	430	IU

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111185-01

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID: *60-62'*

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: >B8095

Level: (low/med) LOW

Date Received: ~~11~~ 12/27/91

Moisture: *not dec. 23* . *dec. 23*

Date Extracted: 12/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/06/91

PC Cleanup: (Y/N) N

pH: 8.0

Dilution Factor: 1.00

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	3-Penten-2-one, 4-methyl- (8	2.67	170.	J
2. - -	Aldol Condensation	3.55	8500.	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111185-02

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: *Arjun*

Matrix: (soil/water) SOIL

Lab Sample ID: 74-76'

Sample Volume: 30.51 [g/mL] G

Lab File ID: >B8096

Level: (low/med) LOW

Date Received: 11/27/91

Moisture: ~~not~~ dec. 18 *dec. 18*

Date Extracted: 12/03/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/06/91

GPC Cleanup: [Y/N] N

pH: 7.3

Dilution Factor: 1.05

CONCENTRATION UNITS:  
[ug/L or ug/Kg] UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2	Phenol	400	IU
111-44-4	bis(2-chloroethyl)ether	400	IU
95-57-8	2-Chlorophenol	400	IU
541-73-1	1,3-Dichlorobenzene	400	IU
106-46-7	1,4-Dichlorobenzene	400	IU
100-51-6	Benzyl alcohol	400	IU
95-50-1	1,2-Dichlorobenzene	400	IU
95-48-7	2-Methylphenol	400	IU
108-60-1	bis(2-chloroisopropyl)ether	400	IU
106-44-5	3&4-Methylphenol	400	IU
621-64-7	N-Nitroso-di-n-propylamine	400	IU
67-72-1	Hexachloroethane	400	IU
98-95-3	Nitrobenzene	400	IU
78-58-1	Isophorone	400	IU
88-75-5	2-Nitrophenol	400	IU
105-67-9	2,4-Dimethylphenol	400	IU
65-85-0	Benzoic acid	2000	IU
111-91-1	bis(2-Chloroethoxy)methane	400	IU
120-83-2	2,4-Dichlorophenol	400	IU
120-82-1	1,2,4-Trichlorobenzene	400	IU
91-20-3	Naphthalene	400	IU
106-47-8	4-Chloroaniline	400	IU
87-68-3	Hexachlorobutadiene	400	IU
59-50-7	4-Chloro-3-methylphenol	400	IU
91-57-6	2-Methylnaphthalene	400	IU
77-47-8	Hexachlorocyclopentadiene	400	IU
88-06-2	2,4,6-Trichlorophenol	400	IU
95-95-4	2,4,5-Trichlorophenol	400	IU
91-58-7	2-Chloronaphthalene	400	IU
88-74-4	2-Nitroaniline	2000	IU
131-11-3	Dimethylphthalate	400	IU
208-96-8	Acenaphthylene	400	IU
606-20-2	2,6-Dinitrotoluene	400	IU

243

300424

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111185-02

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: ANSER

Matrix: [soil/water] SOIL

Lab Sample ID: 74-76

Sample wt/vol: 30.51 [g/mL] G

Lab File ID: >B8096

Level: [low/med] LOW

Date Received: 12/27/91

Moisture: *not dec. 18* *dec. 18*

Date Extracted: 12/03/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 12/06/91

PC Cleanup: [Y/N] N

pH: 7.3

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2	3-Nitroaniline	2000	IU
83-32-9	Acenaphthene	400	IU
51-28-5	2,4-Dinitrophenol	400	IU
100-02-7	4-Nitrophenol	2000	IU
132-64-9	Dibenzofuran	400	IU
121-14-2	2,4-Dinitrotoluene	400	IU
84-73-7	Diethylphthalate	400	IU
7005-72-3	4-Chlorophenyl-phenylether	400	IU
86-73-7	Fluorene	400	IU
100-01-6	4-Nitroaniline	2000	IU
534-52-1	4,6-Dinitro-2-methylphenol	2000	IU
86-30-6	N-Nitrosodiphenylamine	400	IU
101-55-3	4-Bromophenyl-phenylether	400	IU
118-74-1	Hexachlorobenzene	400	IU
87-86-5	Pentachlorophenol	2000	IU
85-01-8	Phenanthrene	400	IU
120-12-7	Anthracene	400	IU
84-74-2	Di-n-butylphthalate	400	IU
206-44-0	Fluoranthene	400	IU
129-00-0	Pyrene	400	IU
85-68-7	Butylbenzylphthalate	400	IU
91-94-1	3,3'-Dichlorobenzidine	800	IU
56-55-3	Benzo(a)anthracene	400	IU
218-01-9	Chrysene	400	IU
117-81-7	bis(2-Ethylhexyl)phthalate	400	IU
117-84-0	Di-n-octylphthalate	400	IU
205-99-2	Benzo(b)fluoranthene	400	IU
207-08-9	Benzo(k)fluoranthene	400	IU
50-32-8	Benzo(a)pyrene	400	IU
193-39-5	Indeno(1,2,3-cd)pyrene	400	IU
53-70-3	Dibenz(a,h)anthracene	400	IU
191-24-2	Benzo(g,h,i)perylene	400	IU





1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111185-03

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: *An 100*

Matrix: [soil/water] WATER

Lab Sample ID: F-BLANK

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >B8070

Level: [low/med] LOW

Date Received: 11/27/91

% Moisture: dec 100.

Date Extracted: 12/01/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 12/03/91

GPC Cleanup: [Y/N] N

pH: 7.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
108-95-2	Phenol	10	IU
111-44-4	bis(2-chloroethyl)ether	10	IU
95-57-8	2-Chlorophenol	10	IU
541-73-1	1,3-Dichlorobenzene	10	IU
106-46-7	1,4-Dichlorobenzene	10	IU
100-51-6	Benzyl alcohol	10	IU
95-50-1	1,2-Dichlorobenzene	10	IU
95-48-7	2-Methylphenol	10	IU
108-60-1	bis(2-chloroisopropyl)ether	10	IU
106-44-5	4-Methylphenol	10	IU
621-64-7	N-Nitroso-di-n-propylamine	10	IU
67-72-1	Hexachloroethane	10	IU
98-95-3	Nitrobenzene	10	IU
78-58-1	Isophorone	10	IU
88-75-5	2-Nitrophenol	10	IU
105-67-9	2,4-Dimethylphenol	10	IU
65-85-0	Benzoic acid	50	IU
111-91-1	bis(2-Chloroethoxy)methane	10	IU
120-83-2	2,4-Dichlorophenol	10	IU
120-82-1	1,2,4-Trichlorobenzene	10	IU
91-20-3	Naphthalene	10	IU
106-47-8	4-Chloroaniline	10	IU
87-68-3	Hexachlorobutadiene	10	IU
59-50-7	4-Chloro-3-methylphenol	10	IU
91-57-6	2-Methylnaphthalene	10	IU
77-47-8	Hexachlorocyclopentadiene	10	IU
88-06-2	2,4,6-Trichlorophenol	10	IU
95-95-4	2,4,5-Trichlorophenol	10	IU
91-58-7	2-Chloronaphthalene	10	IU
88-74-4	2-Nitroaniline	50	IU
131-11-3	Dimethylphthalate	10	IU
208-96-8	Acenaphthylene	10	IU
606-20-2	2,6-Dinitrotoluene	10	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111185-03

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64-85 SAS No.:

SDG No.: An Sen

Matrix: [soil/water] WATER

Lab Sample ID: F-Blank

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >88070

Level: [low/med] LOW

Date Received: 11/27/91

% Moisture: dec 100.

Date Extracted: 12/01/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 12/03/91

GPC Cleanup: [Y/N] N

pH: 7.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
99-09-2-----	3-Nitroaniline	50	IU
83-32-9-----	Acenaphthene	10	IU
51-28-5-----	2,4-Dinitrophenol	10	IU
100-02-7-----	4-Nitrophenol	50	IU
132-64-9-----	Dibenzofuran	10	IU
121-14-2-----	2,4-Dinitrotoluene	10	IU
84-73-7-----	Diethylphthalate	10	IU
7005-72-3-----	4-Chlorophenyl-phenylether	10	IU
86-73-7-----	Fluorene	10	IU
100-01-6-----	4-Nitroaniline	50	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	50	IU
86-30-6-----	N-Nitrosodiphenylamine	10	IU
101-55-3-----	4-Bromophenyl-phenylether	10	IU
118-74-1-----	Hexachlorobenzene	10	IU
87-86-5-----	Pentachlorophenol	50	IU
85-01-8-----	Phenanthrene	10	IU
120-12-7-----	Anthracene	10	IU
84-74-2-----	Di-n-butylphthalate	10	IU
206-44-0-----	Fluoranthene	10	IU
129-00-0-----	Pyrene	10	IU
85-68-7-----	Butylbenzylphthalate	10	IU
91-94-1-----	3,3'-Dichlorobenzidine	20	IU
56-55-3-----	Benzo(a)anthracene	10	IU
218-01-9-----	Chrysene	10	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	IU
117-84-0-----	Di-n-octylphthalate	10	IU
205-99-2-----	Benzo(b)fluoranthene	10	IU
207-08-9-----	Benzo(k)fluoranthene	10	IU
50-32-8-----	Benzo(a)pyrene	10	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	IU
53-70-3-----	Dibenz(a,h)anthracene	10	IU
191-24-2-----	Benzo(g,h,i)perylene	10	IU



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

59-63'  
T 11/14 2-2

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID:  
 Sample wt/vol: 30. (g/mL) G Lab File ID: GP1134  
 Level: (low/med) LOW Date Received: 11/21/91  
 % Moisture: not dec. 13. dec. 13. Date Extracted: 11/25/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/29/91  
 GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	9.2	U
319-85-7-----	beta-BHC	9.2	U
319-86-8-----	delta-BHC	9.2	U
58-89-9-----	gamma-BHC (Lindane)	9.2	U
76-44-8-----	Heptachlor	9.2	U
309-00-2-----	Aldrin	9.2	U
1024-57-3-----	Heptachlor epoxide	9.2	U
959-98-8-----	Endosulfan I	9.2	U
60-57-1-----	Dieldrin	18.	U
72-55-9-----	4,4'-DDE	18.	U
72-20-8-----	Endrin	18.	U
33213-65-9-----	Endosulfan II	18.	U
72-54-8-----	4,4'-DDD	18.	U
1031-07-8-----	Endosulfan sulfate	18.	U
50-29-3-----	4,4'-DDT	18.	U
72-43-5-----	Methoxychlor	92.	U
53494-70-5-----	Endrin ketone	18.	U
5103-71-9-----	alpha-Chlordane	92.	U
5103-74-2-----	gamma-Chlordane	92.	U
8001-35-2-----	Toxaphene	180.	U
12674-11-2-----	Aroclor-1016	92.	U
11104-28-2-----	Aroclor-1221	92.	U
11141-16-5-----	Aroclor-1232	92.	U
53469-21-9-----	Aroclor-1242	92.	U
12672-29-6-----	Aroclor-1248	92.	U
11097-69-1-----	Aroclor-1254	180.	U
11096-82-5-----	Aroclor-1260	180.	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120-122'  
I11/42-4

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID:  
 Sample wt/vol: 31. (g/mL) G Lab File ID: GP1135  
 Level: (low/med) LOW Date Received: 11/21/91  
 % Moisture: not dec. 23. dec. 23. Date Extracted: 11/25/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/29/91  
 GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	10.	U
319-85-7-----	beta-BHC	10.	U
319-86-8-----	delta-BHC	10.	U
58-89-9-----	gamma-BHC (Lindane)	10.	U
76-44-8-----	Heptachlor	10.	U
309-00-2-----	Aldrin	10.	U
1024-57-3-----	Heptachlor epoxide	10.	U
959-98-8-----	Endosulfan I	10.	U
60-57-1-----	Dieldrin	20.	U
72-55-9-----	4,4'-DDE	20.	U
72-20-8-----	Endrin	20.	U
33213-65-9-----	Endosulfan II	20.	U
72-54-8-----	4,4'-DDD	20.	U
1031-07-8-----	Endosulfan sulfate	20.	U
50-29-3-----	4,4'-DDT	20.	U
72-43-5-----	Methoxychlor	100.	U
53494-70-5-----	Endrin ketone	20.	U
5103-71-9-----	alpha-Chlordane	100.	U
5103-74-2-----	gamma-Chlordane	100.	U
8001-35-2-----	Toxaphene	200.	U
12674-11-2-----	Aroclor-1016	100.	U
11104-28-2-----	Aroclor-1221	100.	U
11141-16-5-----	Aroclor-1232	100.	U
53469-21-9-----	Aroclor-1242	100.	U
12672-29-6-----	Aroclor-1248	100.	U
11097-69-1-----	Aroclor-1254	200.	U
11096-82-5-----	Aroclor-1260	200.	U





1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

60-62'

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID: J11164-1  
 Sample wt/vol: 30. (g/mL) G Lab File ID: GP1147  
 Level: (low/med) LOW Date Received: 11/26/91  
 % Moisture: not dec. 52. dec. 52. Date Extracted: 11/27/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/29/91  
 GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	17.	U
319-85-7-----	beta-BHC	17.	U
319-86-8-----	delta-BHC	17.	U
58-89-9-----	gamma-BHC (Lindane)	17.	U
76-44-8-----	Heptachlor	17.	U
309-00-2-----	Aldrin	17.	U
1024-57-3-----	Heptachlor epoxide	17.	U
959-98-8-----	Endosulfan I	17.	U
60-57-1-----	Dieldrin	33.	U
72-55-9-----	4,4'-DDE	33.	U
72-20-8-----	Endrin	33.	U
33213-65-9-----	Endosulfan II	33.	U
72-54-8-----	4,4'-DDD	33.	U
1031-07-8-----	Endosulfan sulfate	33.	U
50-29-3-----	4,4'-DDT	33.	U
72-43-5-----	Methoxychlor	170.	U
53494-70-5-----	Endrin ketone	33.	U
5103-71-9-----	alpha-Chlordane	170.	U
5103-74-2-----	gamma-Chlordane	170.	U
8001-35-2-----	Toxaphene	330.	U
12674-11-2-----	Aroclor-1016	170.	U
11104-28-2-----	Aroclor-1221	170.	U
11141-16-5-----	Aroclor-1232	170.	U
53469-21-9-----	Aroclor-1242	170.	U
12672-29-6-----	Aroclor-1248	170.	U
11097-69-1-----	Aroclor-1254	330.	U
11096-82-5-----	Aroclor-1260	330.	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

75-77'

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 42-64 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID: J11164-2  
 Sample wt/vol: 30. (g/mL) G Lab File ID: GP1149  
 Level: (low/med) LOW Date Received: 11/26/91  
 % Moisture: not dec. 23. dec. 23. Date Extracted: 11/27/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/29/91  
 GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	10.	U
319-85-7-----	beta-BHC	10.	U
319-86-8-----	delta-BHC	10.	U
58-89-9-----	gamma-BHC (Lindane)	10.	U
76-44-8-----	Heptachlor	10.	U
309-00-2-----	Aldrin	10.	U
1024-57-3-----	Heptachlor epoxide	10.	U
959-98-8-----	Endosulfan I	10.	U
60-57-1-----	Dieldrin	21.	U
72-55-9-----	4,4'-DDE	21.	U
72-20-8-----	Endrin	21.	U
33213-65-9-----	Endosulfan II	21.	U
72-54-8-----	4,4'-DDD	21.	U
1031-07-8-----	Endosulfan sulfate	21.	U
50-29-3-----	4,4'-DDT	21.	U
72-43-5-----	Methoxychlor	100.	U
53494-70-5-----	Endrin ketone	21.	U
5103-71-9-----	alpha-Chlordane	100.	U
5103-74-2-----	gamma-Chlordane	100.	U
8001-35-2-----	Toxaphene	210.	U
12674-11-2-----	Aroclor-1016	100.	U
11104-28-2-----	Aroclor-1221	100.	U
11141-16-5-----	Aroclor-1232	100.	U
53469-21-9-----	Aroclor-1242	100.	U
12672-29-6-----	Aroclor-1248	100.	U
11097-69-1-----	Aroclor-1254	210.	U
11096-82-5-----	Aroclor-1260	210.	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK
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Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 42-64

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: J11164-3

Sample wt/vol: 1000. (g/mL)ML

Lab File ID: GP1143

Level: (low/med) LOW

Date Received: 11/26/91

% Moisture: not dec.100. dec. 0.

Date Extracted: 11/27/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/29/91

GPC Cleanup: (Y/N) N

pH: 7.5

Dilution Factor: 1.00

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

CAS NO. COMPOUND UG/L Q

319-84-6-----alpha-BHC	.050	U
319-85-7-----beta-BHC	.050	U
319-86-8-----delta-BHC	.050	U
58-89-9-----gamma-BHC (Lindane)	.050	U
76-44-8-----Heptachlor	.050	U
309-00-2-----Aldrin	.050	U
1024-57-3-----Heptachlor epoxide	.050	U
959-98-8-----Endosulfan I	.050	U
60-57-1-----Dieldrin	.10	U
72-55-9-----4,4'-DDE	.10	U
72-20-8-----Endrin	.10	U
33213-65-9-----Endosulfan II	.10	U
72-54-8-----4,4'-DDD	.10	U
1031-07-8-----Endosulfan sulfate	.10	U
50-29-3-----4,4'-DDT	.10	U
72-43-5-----Methoxychlor	.50	U
53494-70-5-----Endrin ketone	.10	U
5103-71-9-----alpha-Chlordane	.50	U
5103-74-2-----gamma-Chlordane	.50	U
8001-35-2-----Toxaphene	1.0	U
12674-11-2-----Aroclor-1016	.50	U
11104-28-2-----Aroclor-1221	.50	U
11141-16-5-----Aroclor-1232	.50	U
53469-21-9-----Aroclor-1242	.50	U
12672-29-6-----Aroclor-1248	.50	U
11097-69-1-----Aroclor-1254	1.0	U
11096-82-5-----Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

60-62'

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 85-2060 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID: J11185-1  
 Sample wt/vol: 30. (g/mL) G Lab File ID: GP2240  
 Level: (low/med) LOW Date Received: 11/27/91  
 % Moisture: not dec. 23. dec. 23. Date Extracted: 12/ 3/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/14/91  
 GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	10.	U
319-85-7-----	beta-BHC	10.	U
319-86-8-----	delta-BHC	10.	U
58-89-9-----	gamma-BHC (Lindane)	10.	U
76-44-8-----	Heptachlor	10.	U
309-00-2-----	Aldrin	10.	U
1024-57-3-----	Heptachlor epoxide	10.	U
959-98-8-----	Endosulfan I	10.	U
60-57-1-----	Dieldrin	21.	U
72-55-9-----	4,4'-DDE	21.	U
72-20-8-----	Endrin	21.	U
33213-65-9-----	Endosulfan II	21.	U
72-54-8-----	4,4'-DDD	21.	U
1031-07-8-----	Endosulfan sulfate	21.	U
50-29-3-----	4,4'-DDT	21.	U
72-43-5-----	Methoxychlor	100.	U
53494-70-5-----	Endrin ketone	21.	U
5103-71-9-----	alpha-Chlordane	100.	U
5103-74-2-----	gamma-Chlordane	100.	U
8001-35-2-----	Toxaphene	210.	U
12674-11-2-----	Aroclor-1016	100.	U
11104-28-2-----	Aroclor-1221	100.	U
11141-16-5-----	Aroclor-1232	100.	U
53469-21-9-----	Aroclor-1242	100.	U
12672-29-6-----	Aroclor-1248	100.	U
11097-69-1-----	Aroclor-1254	210.	U
11096-82-5-----	Aroclor-1260	210.	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

74-76'

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 85-2060 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID: I111185-2  
 Sample wt/vol: 31. (g/mL) G Lab File ID: GP2241  
 Level: (low/med) LOW Date Received: 11/27/91  
 % Moisture: not dec. 18. dec. 18. Date Extracted: 12/ 3/91  
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/14/91  
 GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.00

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	9.6	U
319-85-7-----	beta-BHC	9.6	U
319-86-8-----	delta-BHC	9.6	U
58-89-9-----	gamma-BHC (Lindane)	9.6	U
76-44-8-----	Heptachlor	9.6	U
309-00-2-----	Aldrin	9.6	U
1024-57-3-----	Heptachlor epoxide	9.6	U
959-98-8-----	Endosulfan I	9.6	U
60-57-1-----	Dieldrin	19.	U
72-55-9-----	4,4'-DDE	19.	U
72-20-8-----	Endrin	19.	U
33213-65-9-----	Endosulfan II	19.	U
72-54-8-----	4,4'-DDD	19.	U
1031-07-8-----	Endosulfan sulfate	19.	U
50-29-3-----	4,4'-DDT	19.	U
72-43-5-----	Methoxychlor	96.	U
53494-70-5-----	Endrin ketone	19.	U
5103-71-9-----	alpha-Chlordane	96.	U
5103-74-2-----	gamma-Chlordane	96.	U
8001-35-2-----	Toxaphene	190.	U
12674-11-2-----	Aroclor-1016	96.	U
11104-28-2-----	Aroclor-1221	96.	U
11141-16-5-----	Aroclor-1232	96.	U
53469-21-9-----	Aroclor-1242	96.	U
12672-29-6-----	Aroclor-1248	96.	U
11097-69-1-----	Aroclor-1254	190.	U
11096-82-5-----	Aroclor-1260	190.	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 85-2060 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) WATER Lab Sample ID: I11185-3  
 Sample wt/vol: 940. (g/mL)ML Lab File ID: GP2221  
 Level: (low/med) LOW Date Received: 11/27/91  
 % Moisture: not dec.100. dec. 0. Date Extracted: 12/ 3/91  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 12/13/91  
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.053	U
319-85-7	beta-BHC	.053	U
319-86-8	delta-BHC	.053	U
58-89-9	gamma-BHC (Lindane)	.053	U
76-44-8	Heptachlor	.053	U
309-00-2	Aldrin	.053	U
1024-57-3	Heptachlor epoxide	.053	U
959-98-8	Endosulfan I	.053	U
60-57-1	Dieldrin	.11	U
72-55-9	4,4'-DDE	.11	U
72-20-8	Endrin	.11	U
33213-65-9	Endosulfan II	.11	U
72-54-8	4,4'-DDD	.11	U
1031-07-8	Endosulfan sulfate	.11	U
50-29-3	4,4'-DDT	.11	U
72-43-5	Methoxychlor	.53	U
53494-70-5	Endrin ketone	.11	U
5103-71-9	alpha-Chlordane	.53	U
5103-74-2	gamma-Chlordane	.53	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	.53	U
11104-28-2	Aroclor-1221	.53	U
11141-16-5	Aroclor-1232	.53	U
53469-21-9	Aroclor-1242	.53	U
12672-29-6	Aroclor-1248	.53	U
11027-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

**Unvalidated Data**  
**Indoor borings 3 & 4**

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10-12'

*7/11/64 - ei*

b Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9640

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: not dec. 1.

Date Analyzed: 11/19/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

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	6.	B
67-64-1-----	Acetone	25.	
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.	U
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-----	Xylene (total)	5.	U



1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

10-12'  
 7/11/2001

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 61-68 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID:  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: C9640  
 Level: (low/med) LOW Date Received: 11/11/91  
 % Moisture: not dec. 1. Date Analyzed: 11/19/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	18.83	5.	J
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15-17'

J111061-02

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 61-68 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) SOIL Lab Sample ID:  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: C9641  
 Level: (low/med) LOW Date Received: 11/11/91  
 % Moisture: not dec. 2. Date Analyzed: 11/19/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) 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	6.	B
67-64-1	-----Acetone	19.	
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.	U
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	-----Xylene (total)	5.	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

15-17'  
 J11061-02

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9641

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: not dec. 2.

Date Analyzed: 11/19/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane (DOT) (8CI9CI)	18.82	5.	J
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK <i>111061-03</i>
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Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 61-68 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) WATER Lab Sample ID:  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C9558  
 Level: (low/med) LOW Date Received: 11/11/91  
 % Moisture: not dec. 100. Date Analyzed: 11/13/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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.	B
67-64-1	Acetone	68.	
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	26.	
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	4.	J
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F-BLANK I 11/24/91-23
--------------------------

b Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C9558

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: not dec. 100.

Date Analyzed: 11/13/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IB#3 25-27'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: I 11068-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9686

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 2.

Date Analyzed: 11/23/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg) 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	5.	BJ
67-64-1-----	Acetone	26.	B
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.	U
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-----	Xylene (total)	5.	U

FORM I VOA

1/87 Rev.

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300447

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

IB#3 25-27

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: J11068-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9686

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 2.

Date Analyzed: 11/23/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

30-32'

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) SOIL

Lab Sample ID: I111068-4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C9668

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 2.

Date Analyzed: 11/22/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

35-37'  
I11068-6

Lab Name: INTECH Contract: 68-D9-0048

Lab Code: INTECH Case No.: 61-68 SAS No.: SDG No.: ANSON

Matrix: (soil/water) SOIL Lab Sample ID: I11068-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C9669

Level: (low/med) LOW Date Received: 11/12/91

% Moisture: not dec. 3. Date Analyzed: 11/22/91

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) 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	6.	B
67-64-1-----	Acetone	15.	B
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.	U
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-----	Xylene (total)	5.	U



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F-BLANK  
*T. Miller - 03*

Lab Name: INTECH Contract: 68-D9-0048  
 Lab Code: INTECH Case No.: 61-68 SAS No.: SDG No.: ANSON  
 Matrix: (soil/water) WATER Lab Sample ID:  
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C9564  
 Level: (low/med) LOW Date Received: 11/12/91  
 % Moisture: not dec. 100. Date Analyzed: 11/13/91  
 Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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.	B
67-64-1	-----Acetone	33.	
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	20.	
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	-----Xylene (total)	5.	U

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F-BLANK <i>Illinois-09</i>
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Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C9564

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 100.

Date Analyzed: 11/13/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

T-BLANK

*11/10/2-09*

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C9565

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 100.

Date Analyzed: 11/13/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	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	330.	E
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.	U
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-----	Xylene (total)	5.	U

FORM I VOA

1/87 Rev.

300455

63

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

T-BLANK <i>T. H. S. 107</i>
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Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C9565

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 100.

Date Analyzed: 11/13/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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6.				
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66

300456

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111061-01

Lab Name: INTECH

Contract: 68-D9-0048

b Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: *ANSON*

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >B7957

Level: [low/med] LOW

Date Received: 11/11/91

% Moisture: 1. dec. 1.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N pH: 7.0

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

CAS NO.	COMPOUND	[ug/L or ug/Kg]	UG/KG	Q
108-95-2	Phenol	340	1U	
111-44-4	bis(2-chloroethyl)ether	340	1U	
95-57-8	2-Chlorophenol	340	1U	
541-73-1	1,3-Dichlorobenzene	340	1U	
106-46-7	1,4-Dichlorobenzene	340	1U	
100-51-6	Benzyl alcohol	340	1U	
95-50-1	1,2-Dichlorobenzene	340	1U	
95-48-7	2-Methylphenol	340	1U	
108-60-1	bis(2-chloroisopropyl)ether	340	1U	
106-44-5	3&4-Methylphenol	340	1U	
621-64-7	N-Nitroso-di-n-propylamine	340	1U	
67-72-1	Hexachloroethane	340	1U	
98-95-3	Nitrobenzene	340	1U	
78-58-1	Isophorone	340	1U	
88-75-5	2-Nitrophenol	340	1U	
105-67-9	2,4-Dimethylphenol	340	1U	
65-85-0	Benzoic acid	1700	1U	
111-91-1	bis(2-Chloroethoxy)methane	340	1U	
120-83-2	2,4-Dichlorophenol	340	1U	
120-82-1	1,2,4-Trichlorobenzene	340	1U	
91-20-3	Naphthalene	340	1U	
106-47-8	4-Chloroaniline	340	1U	
87-68-3	Hexachlorobutadiene	340	1U	
59-50-7	4-Chloro-3-methylphenol	340	1U	
91-57-6	2-Methylnaphthalene	340	1U	
77-47-8	Hexachlorocyclopentadiene	340	1U	
88-06-2	2,4,6-Trichlorophenol	340	1U	
95-95-4	2,4,5-Trichlorophenol	340	1U	
91-58-7	2-Chloronaphthalene	340	1U	
88-74-4	2-Nitroaniline	1700	1U	
131-11-3	Dimethylphthalate	340	1U	
208-96-8	Acenaphthylene	340	1U	
606-20-2	2,6-Dinitrotoluene	340	1U	



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111061-01

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: *ANSON*

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >B7957

Level: [low/med] LOW

Date Received: 11/11/91

% Moisture: [ ] dec. [ ]

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N pH: 7.0

Dilution Factor: [ ] .00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2-----	3-Nitroaniline	1700	IU
83-32-9-----	Acenaphthene	340	IU
51-28-5-----	2,4-Dinitrophenol	340	IU
100-02-7-----	4-Nitrophenol	1700	IU
132-64-9-----	Dibenzofuran	340	IU
121-14-2-----	2,4-Dinitrotoluene	340	IU
84-73-7-----	Diethylphthalate	340	IU
7005-72-3-----	4-Chlorophenyl-phenylether	340	IU
86-73-7-----	Fluorene	340	IU
100-01-6-----	4-Nitroaniline	1700	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	IU
86-30-6-----	N-Nitrosodiphenylamine	340	IU
101-55-3-----	4-Bromophenyl-phenylether	340	IU
118-74-1-----	Hexachlorobenzene	340	IU
87-86-5-----	Pentachlorophenol	1700	IU
85-01-8-----	Phenanthrene	340	IU
120-12-7-----	Anthracene	340	IU
84-74-2-----	Di-n-butylphthalate	340	IU
206-44-0-----	Fluoranthene	340	IU
129-00-0-----	Pyrene	340	IU
85-68-7-----	Butylbenzylphthalate	340	IU
91-94-1-----	3,3'-Dichlorobenzidine	670	IU
56-55-3-----	Benzo(a)anthracene	340	IU
218-01-9-----	Chrysene	340	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	190	J
117-84-0-----	Di-n-octylphthalate	340	IU
205-99-2-----	Benzo(b)fluoranthene	340	IU
207-08-9-----	Benzo(k)fluoranthene	340	IU
50-32-8-----	Benzo(a)pyrene	340	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	340	IU
53-70-3-----	Dibenz(a,h)anthracene	340	IU
191-24-2-----	Benzo(g,h,i)perylene	340	IU

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111061-01

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: >B7957

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: |. dec. |.

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: |.00

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4127-47-3	Cyclopropane, 1,1,2,2-tetram	2.71	300.	J
2. - -	Aldol Condensation (UNKNOWN)	3.64	9800.	J
3. - -	Unknown	27.86	170.	J

157  
300459

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111061-02

Lab Name: INTECH

Contract: 68-D9-0048

b Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: Answer

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >B7958

Level: [low/med] LOW

Date Received: 11/11/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N pH: 7.1

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
108-95-2-----	Phenol	340	IU
111-44-4-----	bis(2-chloroethyl)ether	340	IU
95-57-8-----	2-Chlorophenol	340	IU
541-73-1-----	1,3-Dichlorobenzene	340	IU
106-46-7-----	1,4-Dichlorobenzene	340	IU
100-51-6-----	Benzyl alcohol	340	IU
95-50-1-----	1,2-Dichlorobenzene	340	IU
95-48-7-----	2-Methylphenol	340	IU
108-60-1-----	bis(2-chloroisopropyl)ether	340	IU
106-44-5-----	3&4-Methylphenol	340	IU
621-64-7-----	N-Nitroso-di-n-propylamine	340	IU
67-72-1-----	Hexachloroethane	340	IU
98-95-3-----	Nitrobenzene	340	IU
78-58-1-----	Isophorone	340	IU
88-75-5-----	2-Nitrophenol	340	IU
105-67-9-----	2,4-Dimethylphenol	340	IU
65-85-0-----	Benzoic acid	1700	IU
111-91-1-----	bis(2-Chloroethoxy)methane	340	IU
120-83-2-----	2,4-Dichlorophenol	340	IU
120-82-1-----	1,2,4-Trichlorobenzene	340	IU
91-20-3-----	Naphthalene	340	IU
106-47-8-----	4-Chloroaniline	340	IU
87-68-3-----	Hexachlorobutadiene	340	IU
59-50-7-----	4-Chloro-3-methylphenol	340	IU
91-57-6-----	2-Methylnaphthalene	340	IU
77-47-8-----	Hexachlorocyclopentadiene	340	IU
88-06-2-----	2,4,6-Trichlorophenol	340	IU
95-95-4-----	2,4,5-Trichlorophenol	340	IU
91-58-7-----	2-Chloronaphthalene	340	IU
88-74-4-----	2-Nitroaniline	1700	IU
131-11-3-----	Dimethylphthalate	340	IU
208-96-8-----	Acenaphthylene	340	IU
606-20-2-----	2,6-Dinitrotoluene	340	IU

FORM I SU-1

10.  
300460

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111061-02

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: Anson

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.00 [g/mL] G

Lab File ID: >B7958

Level: [low/med] LOW

Date Received: 11/11/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N

pH: 7.1

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2-----	3-Nitroaniline	1700	IU
83-32-9-----	Acenaphthene	340	IU
51-28-5-----	2,4-Dinitrophenol	340	IU
100-02-7-----	4-Nitrophenol	1700	IU
132-64-9-----	Dibenzofuran	340	IU
121-14-2-----	2,4-Dinitrotoluene	340	IU
84-73-7-----	Diethylphthalate	340	IU
7005-72-3-----	4-Chlorophenyl-phenylether	340	IU
86-73-7-----	Fluorene	340	IU
100-01-6-----	4-Nitroaniline	1700	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	IU
86-30-6-----	N-Nitrosodiphenylamine	340	IU
101-55-3-----	4-Bromophenyl-phenylether	340	IU
118-74-1-----	Hexachlorobenzene	340	IU
87-86-5-----	Pentachlorophenol	1700	IU
85-01-8-----	Phenanthrene	340	IU
120-12-7-----	Anthracene	340	IU
84-74-2-----	Di-n-butylphthalate	340	IU
206-44-0-----	Fluoranthene	340	IU
129-00-0-----	Pyrene	340	IU
85-68-7-----	Butylbenzylphthalate	340	IU
91-94-1-----	3,3'-Dichlorobenzidine	680	IU
56-55-3-----	Benzo(a)anthracene	340	IU
218-01-9-----	Chrysene	340	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	320	I J
117-84-0-----	Di-n-octylphthalate	340	IU
205-99-2-----	Benzo(b)fluoranthene	340	IU
207-08-9-----	Benzo(k)fluoranthene	340	IU
50-32-8-----	Benzo(a)pyrene	340	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	340	IU
53-70-3-----	Dibenz(a,h)anthracene	340	IU
191-24-2-----	Benzo(g,h,i)perylene	340	IU

FORM I SU-2

103

300461

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111061-02

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: >B7958

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.1

Dilution Factor: 1.00

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	2.71	310.	J
2. - -	Aldol-Condensation-product (Unknown)	3.64	11000.	J
3. - -	Unknown	27.86	170.	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I111061-03

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: [soil/water] WATER

Lab Sample ID:

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >B7949

Level: [low/med] LOW

Date Received: 11/11/91

% Moisture: dec 100.

Date Extracted: 11/14/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N

pH: 7.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
108-95-2	Phenol	10	IU
111-44-4	bis(2-chloroethyl)ether	10	IU
95-57-8	2-Chlorophenol	10	IU
541-73-1	1,3-Dichlorobenzene	10	IU
106-46-7	1,4-Dichlorobenzene	10	IU
100-51-6	Benzyl alcohol	10	IU
95-50-1	1,2-Dichlorobenzene	10	IU
95-48-7	2-Methylphenol	10	IU
108-60-1	bis(2-chloroisopropyl)ether	10	IU
106-44-5	4-Methylphenol	10	IU
621-64-7	N-Nitroso-di-n-propylamine	10	IU
67-72-1	Hexachloroethane	10	IU
98-95-3	Nitrobenzene	10	IU
78-58-1	Isophorone	10	IU
88-75-5	2-Nitrophenol	10	IU
105-67-9	2,4-Dimethylphenol	10	IU
65-85-0	Benzoic acid	50	IU
111-91-1	bis(2-Chloroethoxy)methane	10	IU
120-83-2	2,4-Dichlorophenol	10	IU
120-82-1	1,2,4-Trichlorobenzene	10	IU
91-20-3	Naphthalene	10	IU
106-47-8	4-Chloroaniline	10	IU
87-68-3	Hexachlorobutadiene	10	IU
59-50-7	4-Chloro-3-methylphenol	10	IU
91-57-6	2-Methylnaphthalene	10	IU
77-47-8	Hexachlorocyclopentadiene	10	IU
88-06-2	2,4,6-Trichlorophenol	10	IU
95-95-4	2,4,5-Trichlorophenol	10	IU
91-58-7	2-Chloronaphthalene	10	IU
88-74-4	2-Nitroaniline	50	IU
131-11-3	Dimethylphthalate	10	IU
208-96-8	Acenaphthylene	10	IU
606-20-2	2,6-Dinitrotoluene	10	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111061-03

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: [soil/water] WATER

Lab Sample ID:

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >B7949

Level: [low/med] LOW

Date Received: 11/11/91

% Moisture: dec 100.

Date Extracted: 11/14/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N

pH: 7.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
99-09-2-----	3-Nitroaniline	50	IU
83-32-9-----	Acenaphthene	10	IU
51-28-5-----	2,4-Dinitrophenol	10	IU
100-02-7-----	4-Nitrophenol	50	IU
132-64-9-----	Dibenzofuran	10	IU
121-14-2-----	2,4-Dinitrotoluene	10	IU
84-73-7-----	Diethylphthalate	10	IU
7005-72-3-----	4-Chlorophenyl-phenylether	10	IU
86-73-7-----	Fluorene	10	IU
100-01-6-----	4-Nitroaniline	50	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	50	IU
86-30-6-----	N-Nitrosodiphenylamine	10	IU
101-55-3-----	4-Bromophenyl-phenylether	10	IU
118-74-1-----	Hexachlorobenzene	10	IU
87-86-5-----	Pentachlorophenol	50	IU
85-01-8-----	Phenanthrene	10	IU
120-12-7-----	Anthracene	10	IU
84-74-2-----	Di-n-butylphthalate	10	IU
206-44-0-----	Fluoranthene	10	IU
129-00-0-----	Pyrene	10	IU
85-68-7-----	Butylbenzylphthalate	10	IU
91-94-1-----	3,3'-Dichlorobenzidine	20	IU
56-55-3-----	Benzo(a)anthracene	10	IU
218-01-9-----	Chrysene	10	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	3	I J
117-84-0-----	Di-n-octylphthalate	10	IU
205-99-2-----	Benzo(b)fluoranthene	10	IU
207-08-9-----	Benzo(k)fluoranthene	10	IU
50-32-8-----	Benzo(a)pyrene	10	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	IU
53-70-3-----	Dibenz(a,h)anthracene	10	IU
191-24-2-----	Benzo(g,h,i)perylene	10	IU

FORM I SU-2

171  
300464

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111061-03

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: >B7949

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: dec. 100.

Date Extracted: 11/14/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	5.13	12.	JB



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-03

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANCON

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.17 [g/mL] G

Lab File ID: >B7965

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/21/91

GPC Cleanup: [Y/N] N

pH: 8.0

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      [ug/L or ug/Kg] UG/KG                      Q

CAS NO.	COMPOUND	[ug/L or ug/Kg] UG/KG	Q
108-95-2-----	Phenol	340	IU
111-44-4-----	bis(2-chloroethyl)ether	340	IU
95-57-8-----	2-Chlorophenol	340	IU
541-73-1-----	1,3-Dichlorobenzene	340	IU
106-46-7-----	1,4-Dichlorobenzene	340	IU
100-51-6-----	Benzyl alcohol	340	IU
95-50-1-----	1,2-Dichlorobenzene	340	IU
95-48-7-----	2-Methylphenol	340	IU
108-60-1-----	bis(2-chloroisopropyl)ether	340	IU
106-44-5-----	3&4-Methylphenol	340	IU
621-64-7-----	N-Nitroso-di-n-propylamine	340	IU
67-72-1-----	Hexachloroethane	340	IU
98-95-3-----	Nitrobenzene	340	IU
78-58-1-----	Isophorone	340	IU
88-75-5-----	2-Nitrophenol	340	IU
105-67-9-----	2,4-Dimethylphenol	340	IU
65-85-0-----	Benzoic acid	1700	IU
111-91-1-----	bis(2-Chloroethoxy)methane	340	IU
120-83-2-----	2,4-Dichlorophenol	340	IU
120-82-1-----	1,2,4-Trichlorobenzene	340	IU
91-20-3-----	Naphthalene	340	IU
106-47-8-----	4-Chloroaniline	340	IU
87-68-3-----	Hexachlorobutadiene	340	IU
59-50-7-----	4-Chloro-3-methylphenol	340	IU
91-57-6-----	2-Methylnaphthalene	340	IU
77-47-8-----	Hexachlorocyclopentadiene	340	IU
88-06-2-----	2,4,6-Trichlorophenol	340	IU
95-95-4-----	2,4,5-Trichlorophenol	340	IU
91-58-7-----	2-Chloronaphthalene	340	IU
88-74-4-----	2-Nitroaniline	1700	IU
131-11-3-----	Dimethylphthalate	340	IU
208-96-8-----	Acenaphthylene	340	IU
606-20-2-----	2,6-Dinitrotoluene	340	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I111068-03

Lab Name: INTECH

Contract: 68-D9-0048

b Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: *ANSON*

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.17 [g/mL] G

Lab File ID: >B7965

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/21/91

GPC Cleanup: [Y/N] N pH: 8.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		[ug/L or ug/Kg]	UG/KG
99-09-2	3-Nitroaniline	1700	IU
83-32-9	Acenaphthene	340	IU
51-28-5	2,4-Dinitrophenol	340	IU
100-02-7	4-Nitrophenol	1700	IU
132-64-9	Dibenzofuran	340	IU
121-14-2	2,4-Dinitrotoluene	340	IU
84-73-7	Diethylphthalate	340	IU
7005-72-3	4-Chlorophenyl-phenylether	340	IU
86-73-7	Fluorene	340	IU
100-01-6	4-Nitroaniline	1700	IU
534-52-1	4,6-Dinitro-2-methylphenol	1700	IU
86-30-6	N-Nitrosodiphenylamine	340	IU
101-55-3	4-Bromophenyl-phenylether	340	IU
118-74-1	Hexachlorobenzene	340	IU
87-86-5	Pentachlorophenol	1700	IU
85-01-8	Phenanthrene	340	IU
120-12-7	Anthracene	340	IU
84-74-2	Di-n-butylphthalate	340	IU
206-44-0	Fluoranthene	340	IU
129-00-0	Pyrene	340	IU
85-68-7	Butylbenzylphthalate	340	IU
91-94-1	3,3'-Dichlorobenzidine	680	IU
56-55-3	Benzo(a)anthracene	340	IU
218-01-9	Chrysene	340	IU
117-81-7	bis(2-Ethylhexyl)phthalate	320	I J
117-84-0	Di-n-octylphthalate	340	IU
205-99-2	Benzo(b)fluoranthene	340	IU
207-08-9	Benzo(k)fluoranthene	340	IU
50-32-8	Benzo(a)pyrene	340	IU
193-39-5	Indeno(1,2,3-cd)pyrene	340	IU
53-70-3	Dibenz(a,h)anthracene	340	IU
191-24-2	Benzo(g,h,i)perylene	340	IU

FORM I SU-2

131

300467

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111068-03

Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.17 (g/mL) G

Lab File ID: >B7965

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/21/91

GPC Cleanup: (Y/N) N pH: 8.0

Dilution Factor: 1.00

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	Unknown	1.70	200.	J
2. - -	Aldol Condensation-product(unknown)	3.60	3700.	J
3. - -	Unknown	5.19	140.	J
4. - -	Unknown	7.52	270.	J

10  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-05

Lab Name: INTECH

Contract: 68-D9-0048

b Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: >B7966

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/21/91

GPC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      [ug/L or ug/Kg] UG/KG                      Q

108-95-2-----	Phenol	330	IU
111-44-4-----	bis(2-chloroethyl)ether	330	IU
95-57-8-----	2-Chlorophenol	330	IU
541-73-1-----	1,3-Dichlorobenzene	330	IU
106-46-7-----	1,4-Dichlorobenzene	330	IU
100-51-6-----	Benzyl alcohol	330	IU
95-50-1-----	1,2-Dichlorobenzene	330	IU
95-48-7-----	2-Methylphenol	330	IU
108-60-1-----	bis(2-chloroisopropyl)ether	330	IU
106-44-5-----	3&4-Methylphenol	330	IU
621-64-7-----	N-Nitroso-di-n-propylamine	330	IU
67-72-1-----	Hexachloroethane	330	IU
98-95-3-----	Nitrobenzene	330	IU
78-58-1-----	Isophorone	330	IU
88-75-5-----	2-Nitrophenol	330	IU
105-67-9-----	2,4-Dimethylphenol	330	IU
65-85-0-----	Benzoic acid	1700	IU
111-91-1-----	bis(2-Chloroethoxy)methane	330	IU
120-83-2-----	2,4-Dichlorophenol	330	IU
120-82-1-----	1,2,4-Trichlorobenzene	330	IU
91-20-3-----	Naphthalene	330	IU
106-47-8-----	4-Chloroaniline	330	IU
87-68-3-----	Hexachlorobutadiene	330	IU
59-50-7-----	4-Chloro-3-methylphenol	330	IU
91-57-6-----	2-Methylnaphthalene	330	IU
77-47-8-----	Hexachlorocyclopentadiene	330	IU
88-06-2-----	2,4,6-Trichlorophenol	330	IU
95-95-4-----	2,4,5-Trichlorophenol	330	IU
91-58-7-----	2-Chloronaphthalene	330	IU
88-74-4-----	2-Nitroaniline	1700	IU
131-11-3-----	Dimethylphthalate	330	IU
208-96-8-----	Acenaphthylene	330	IU
606-20-2-----	2,6-Dinitrotoluene	330	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-05

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: Anjon

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: B7966

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/21/91

GPC Cleanup: [Y/N] N pH: 7.5

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
99-09-2-----	3-Nitroaniline	1700	IU
83-32-9-----	Acenaphthene	330	IU
51-28-5-----	2,4-Dinitrophenol	330	IU
100-02-7-----	4-Nitrophenol	1700	IU
132-64-9-----	Dibenzofuran	330	IU
121-14-2-----	2,4-Dinitrotoluene	330	IU
84-73-7-----	Diethylphthalate	330	IU
7005-72-3-----	4-Chlorophenyl-phenylether	330	IU
86-73-7-----	Fluorene	330	IU
100-01-6-----	4-Nitroaniline	1700	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	IU
86-30-6-----	N-Nitrosodiphenylamine	330	IU
101-55-3-----	4-Bromophenyl-phenylether	330	IU
118-74-1-----	Hexachlorobenzene	330	IU
87-86-5-----	Pentachlorophenol	1700	IU
85-01-8-----	Phenanthrene	330	IU
120-12-7-----	Anthracene	330	IU
84-74-2-----	Di-n-butylphthalate	330	IU
206-44-0-----	Fluoranthene	330	IU
129-00-0-----	Pyrene	330	IU
85-68-7-----	Butylbenzylphthalate	330	IU
91-94-1-----	3,3'-Dichlorobenzidine	670	IU
56-55-3-----	Benzo(a)anthracene	330	IU
218-01-9-----	Chrysene	330	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	240	I J
117-84-0-----	Di-n-octylphthalate	330	IU
205-99-2-----	Benzo(b)fluoranthene	330	IU
207-08-9-----	Benzo(k)fluoranthene	330	IU
50-32-8-----	Benzo(a)pyrene	330	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	IU
53-70-3-----	Dibenz(a,h)anthracene	330	IU
191-24-2-----	Benzo(g,h,i)perylene	330	IU



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-07

Lab Name: INTECH

Contract: 68-D9-0048

b Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: *Anson*

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: >B7962

Level: [low/med] LDW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/21/91

GPC Cleanup: [Y/N] N pH: 7.5

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/KG	Q
---------	----------	---	---

108-95-2	Phenol	340	IU
111-44-4	bis(2-chloroethyl)ether	340	IU
95-57-8	2-Chlorophenol	340	IU
541-73-1	1,3-Dichlorobenzene	340	IU
106-46-7	1,4-Dichlorobenzene	340	IU
100-51-6	Benzyl alcohol	340	IU
95-50-1	1,2-Dichlorobenzene	340	IU
95-48-7	2-Methylphenol	340	IU
108-60-1	bis(2-chloroisopropyl)ether	340	IU
106-44-5	3&4-Methylphenol	340	IU
621-64-7	N-Nitroso-di-n-propylamine	340	IU
67-72-1	Hexachloroethane	340	IU
98-95-3	Nitrobenzene	340	IU
78-58-1	Isophorone	340	IU
88-75-5	2-Nitrophenol	340	IU
105-67-9	2,4-Dimethylphenol	340	IU
65-85-0	Benzoic acid	1700	IU
111-91-1	bis(2-Chloroethoxy)methane	340	IU
120-83-2	2,4-Dichlorophenol	340	IU
120-82-1	1,2,4-Trichlorobenzene	340	IU
91-20-3	Naphthalene	340	IU
106-47-8	4-Chloroaniline	340	IU
87-68-3	Hexachlorobutadiene	340	IU
59-50-7	4-Chloro-3-methylphenol	340	IU
91-57-6	2-Methylnaphthalene	340	IU
77-47-8	Hexachlorocyclopentadiene	340	IU
88-06-2	2,4,6-Trichlorophenol	340	IU
95-95-4	2,4,5-Trichlorophenol	340	IU
91-58-7	2-Chloronaphthalene	340	IU
88-74-4	2-Nitroaniline	1700	IU
131-11-3	Dimethylphthalate	340	IU
208-96-8	Acenaphthylene	340	IU
606-20-2	2,6-Dinitrotoluene	340	IU

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-07

Lab Name: INTECH

Contract: 68-D9-0048

Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: Anson

Matrix: [soil/water] SOIL

Lab Sample ID:

Sample wt/vol: 30.21 [g/mL] G

Lab File ID: >B7962

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: 2. dec. 2.

Date Extracted: 11/15/91

Extraction: [SepF/Cont/Sonc] SONC

Date Analyzed: 11/21/91

GPC Cleanup: [Y/N] N

pH: 7.5

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND [ug/L or ug/Kg] UG/KG Q

CAS NO.	COMPOUND	[ug/L or ug/Kg]	UG/KG	Q
99-09-2	3-Nitroaniline	1700	1U	
83-32-9	Acenaphthene	340	1U	
51-28-5	2,4-Dinitrophenol	340	1U	
100-02-7	4-Nitrophenol	1700	1U	
132-64-9	Dibenzofuran	340	1U	
121-14-2	2,4-Dinitrotoluene	340	1U	
84-73-7	Diethylphthalate	340	1U	
7005-72-3	4-Chlorophenyl-phenylether	340	1U	
86-73-7	Fluorene	340	1U	
100-01-6	4-Nitroaniline	1700	1U	
534-52-1	4,6-Dinitro-2-methylphenol	1700	1U	
86-30-6	N-Nitrosodiphenylamine	340	1U	
101-55-3	4-Bromophenyl-phenylether	340	1U	
118-74-1	Hexachlorobenzene	340	1U	
87-86-5	Pentachlorophenol	1700	1U	
85-01-8	Phenanthrene	340	1U	
120-12-7	Anthracene	340	1U	
84-74-2	Di-n-butylphthalate	340	1U	
206-44-0	Fluoranthene	340	1U	
129-00-0	Pyrene	340	1U	
85-68-7	Butylbenzylphthalate	340	1U	
91-94-1	3,3'-Dichlorobenzidine	680	1U	
56-55-3	Benzo(a)anthracene	340	1U	
218-01-9	Chrysene	340	1U	
117-81-7	bis(2-Ethylhexyl)phthalate	220	1 J	
117-84-0	Di-n-octylphthalate	340	1U	
205-99-2	Benzo(b)fluoranthene	340	1U	
207-08-9	Benzo(k)fluoranthene	340	1U	
50-32-8	Benzo(a)pyrene	340	1U	
193-39-5	Indeno(1,2,3-cd)pyrene	340	1U	
53-70-3	Dibenz(a,h)anthracene	340	1U	
191-24-2	Benzo(g,h,i)perylene	340	1U	

FORM I SU-2

300473





1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-08

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: ANSON

Matrix: [soil/water] WATER

Lab Sample ID:

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >B7950

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: dec 100.

Date Extracted: 11/14/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N

pH: 7.0

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L		Q
108-95-2	Phenol	10	IU	
111-44-4	bis(2-chloroethyl)ether	10	IU	
95-57-8	2-Chlorophenol	10	IU	
541-73-1	1,3-Dichlorobenzene	10	IU	
106-46-7	1,4-Dichlorobenzene	10	IU	
100-51-6	Benzyl alcohol	10	IU	
95-50-1	1,2-Dichlorobenzene	10	IU	
95-48-7	2-Methylphenol	10	IU	
108-60-1	bis(2-chloroisopropyl)ether	10	IU	
106-44-5	4-Methylphenol	10	IU	
621-64-7	N-Nitroso-di-n-propylamine	10	IU	
67-72-1	Hexachloroethane	10	IU	
98-95-3	Nitrobenzene	10	IU	
78-58-1	Isophorone	10	IU	
88-75-5	2-Nitrophenol	10	IU	
105-67-9	2,4-Dimethylphenol	10	IU	
65-85-0	Benzoic acid	50	IU	
111-91-1	bis(2-Chloroethoxy)methane	10	IU	
120-83-2	2,4-Dichlorophenol	10	IU	
120-82-1	1,2,4-Trichlorobenzene	10	IU	
91-20-3	Naphthalene	10	IU	
106-47-8	4-Chloroaniline	10	IU	
87-68-3	Hexachlorobutadiene	10	IU	
59-50-7	4-Chloro-3-methylphenol	10	IU	
91-57-6	2-Methylnaphthalene	10	IU	
77-47-8	Hexachlorocyclopentadiene	10	IU	
88-06-2	2,4,6-Trichlorophenol	10	IU	
95-95-4	2,4,5-Trichlorophenol	10	IU	
91-58-7	2-Chloronaphthalene	10	IU	
88-74-4	2-Nitroaniline	50	IU	
131-11-3	Dimethylphthalate	10	IU	
208-96-8	Acenaphthylene	10	IU	
606-20-2	2,6-Dinitrotoluene	10	IU	

208

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1111068-08

Lab Name: INTECH

Contract: 68-D9-0048

Lab Code: INTECH

Case No.: 61-68

SAS No.:

SDG No.: Anson

Matrix: [soil/water] WATER

Lab Sample ID:

Sample wt/vol: 1000 [g/mL] ML

Lab File ID: >B7950

Level: [low/med] LOW

Date Received: 11/12/91

% Moisture: dec 100.

Date Extracted: 11/14/91

Extraction: [SepF/Cont/Sonc] SEPF

Date Analyzed: 11/20/91

GPC Cleanup: [Y/N] N

pH: 7.0

Dilution Factor: |.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: [ug/L or ug/Kg] UG/L	Q
---------	----------	--	---

99-09-2-----	3-Nitroaniline	50	IU
83-32-9-----	Acenaphthene	10	IU
51-28-5-----	2,4-Dinitrophenol	10	IU
100-02-7-----	4-Nitrophenol	50	IU
132-64-9-----	Dibenzofuran	10	IU
121-14-2-----	2,4-Dinitrotoluene	10	IU
84-73-7-----	Diethylphthalate	10	IU
7005-72-3-----	4-Chlorophenyl-phenylether	10	IU
86-73-7-----	Fluorene	10	IU
100-01-6-----	4-Nitroaniline	50	IU
534-52-1-----	4,6-Dinitro-2-methylphenol	50	IU
86-30-6-----	N-Nitrosodiphenylamine	10	IU
101-55-3-----	4-Bromophenyl-phenylether	10	IU
118-74-1-----	Hexachlorobenzene	10	IU
87-86-5-----	Pentachlorophenol	50	IU
85-01-8-----	Phenanthrene	10	IU
120-12-7-----	Anthracene	10	IU
84-74-2-----	Di-n-butylphthalate	10	IU
206-44-0-----	Fluoranthene	10	IU
129-00-0-----	Pyrene	10	IU
85-68-7-----	Butylbenzylphthalate	10	IU
91-94-1-----	3,3'-Dichlorobenzidine	20	IU
56-55-3-----	Benzo(a)anthracene	10	IU
218-01-9-----	Chrysene	10	IU
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	IU
117-84-0-----	Di-n-octylphthalate	10	IU
205-99-2-----	Benzo(b)fluoranthene	10	IU
207-08-9-----	Benzo(k)fluoranthene	10	IU
50-32-8-----	Benzo(a)pyrene	10	IU
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	IU
53-70-3-----	Dibenz(a,h)anthracene	10	IU
191-24-2-----	Benzo(g,h,i)perylene	10	IU

209

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1111068-08
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Lab Name: INTECH

Contract: 68-D9-0048

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: >B7950

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: dec. 100.

Date Extracted: 11/14/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: |.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Field BLANK  
125-11061-03A

Lab Name: INTECH

Contract: ANUSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_ SDG No.: ANUSON

Matrix: (soil/water) WATER

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: not dec. 100 dec. 0

Date Extracted: 11/13/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS, (ug/L or ug/Kg) <u>ug/L</u>	Q
319-84-6	alpha-BHC	.05	U
319-85-7	beta-BHC	.05	U
319-86-8	delta-BHC	.05	U
58-89-9	gamma-BHC (Lindane)	.05	U
76-44-8	Heptachlor	.05	U
309-00-2	Aldrin	.05	U
1024-57-3	Heptachlor epoxide	.05	U
959-98-8	Endosulfan I	.05	U
60-57-1	Dieldrin	<del>1.0</del> .10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
5103-71-9	alpha-Chlordane	.50	U
5103-74-2	gamma-Chlordane	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	.5	U
11104-28-2	Aroclor-1221	.5	U
11141-16-5	Aroclor-1232	.5	U
53469-21-9	Aroclor-1242	.5	U
12672-29-6	Aroclor-1248	.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Field BLANK  
125-11068-C8A

Lab Name: INTECH

Contract: ANSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_

SDG No.: ANSON

Matrix: (soil/water) WATER

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 100 dec. 0

Date Extracted: 11/14/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS,  
(ug/L or ug/Kg) ug/L Q

319-84-6	alpha-BHC	.05	✓
319-85-7	beta-BHC	.05	✓
319-86-8	delta-BHC	.05	✓
58-89-9	gamma-BHC (Lindane)	.05	✓
76-44-8	Heptachlor	.05	✓
309-00-2	Aldrin	.05	✓
1024-57-3	Heptachlor epoxide	.05	✓
959-98-8	Endosulfan I	.05	✓
60-57-1	Dieldrin	.10	✓
72-55-9	4,4'-DDE	.10	✓
72-20-8	Endrin	.10	✓
33213-65-9	Endosulfan II	.10	✓
72-54-8	4,4'-DDD	.10	✓
1031-07-8	Endosulfan sulfate	.10	✓
50-29-3	4,4'-DDT	.10	✓
72-43-5	Methoxychlor	.50	✓
53494-70-5	Endrin ketone	.10	✓
5103-71-9	alpha-Chlordane	.50	✓
5103-74-2	gamma-Chlordane	.50	✓
8001-35-2	Toxaphene	1.0	✓
12674-11-2	Aroclor-1016	.5	✓
11104-28-2	Aroclor-1221	.5	✓
11141-16-5	Aroclor-1232	.5	✓
53469-21-9	Aroclor-1242	.5	✓
12672-29-6	Aroclor-1248	.5	✓
11097-69-1	Aroclor-1254	1.0	✓
11096-82-5	Aroclor-1260	1.0	✓

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IB #4 10-12'  
421-11061-1

Lab Name: INTECH

Contract: ANUSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_ SDG No.: ANUSON

Matrix: (soil/water) SOIL

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: not dec. 1. dec. 1.

Date Extracted: 11/13/91

Extraction: (SepF/Cont/Sonc) Sonc

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	gamma-Chlordane	80	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IB#4 15-17'  
421-11061-2

Lab Name: INTECH

Contract: ANUSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_ SDG No.: ANUSON

Matrix: (soil/water) SOIL

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 30.0 (g/mL) 6

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/11/91

% Moisture: not dec. 2 dec. 2

Date Extracted: 11/13/91

Extraction: (SepF/Cont/Sonc) Sonc

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.1

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS, (ug/L or ug/Kg) <u>ug/kg</u>	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	gamma-Chlordane	80	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U



1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JB# 3 25-27  
4/21-11068-3

Lab Name: INTECH

Contract: ANUSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_ SDG No.: ANUSON

Matrix: (soil/water) SOIL

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 30.17 (g/mL) 6

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 2. dec. 2.

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 8.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) <u>ug/kg</u>	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	gamma-Chlordane	80	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IB#3 30-34'  
4/2/11068-5

Lab Name: INTECH

Contract: ANUSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_ SDG No.: ANUSON

Matrix: (soil/water) SOIL

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 30.21 (g/mL) 6

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 2. dec. 2.

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SOMC

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.5

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) <u>ug/kg</u>	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	gamma-Chlordane	80	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

IB#3 35-39  
421-11068-7

Lab Name: INTECH

Contract: ANUSON

Lab Code: INTECH Case No.: 61-68

SAS No.: \_\_\_\_\_ SDG No.: ANUSON

Matrix: (soil/water) SOIL

Lab Sample ID: \_\_\_\_\_

Sample wt/vol: 30.2 (g/mL) U

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/12/91

% Moisture: not dec. 2 dec. 2

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) Sonc

Date Analyzed: 11/20/91

GPC Cleanup: (Y/N) N pH: 7.5

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS (ug/L or ug/Kg) U/L/Kg Q

319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	* 2.0 16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	gamma-Chlordane	8.0	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U



TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

FR1109

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FR1109

Matrix (soil/water): WATER

Lab Sample ID: 00619-08S

Level (low/med): LOW

Date Received: 11/12/91

% 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	102.00	B		P
7440-36-0	Antimony	45.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	3.00	U		P
7440-41-7	Beryllium	6.00			P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	108.00	B		P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	8.00	B		P
7439-89-6	Iron	74.00	B		P
7439-92-1	Lead	1.00	U		F
7439-95-4	Magnesium	61.00	B		P
7439-96-5	Manganese	1.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.00	U		P
7440-09-7	Potassium	2140.00	U		P
7782-49-2	Selenium	4.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	4450.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	4.00	U		P
7440-66-6	Zinc	2.00	U		P
	Cyanide	10.00	U		C

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

FB1110

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FB1109

Matrix (soil/water): WATER

Lab Sample ID: 00619-04S

Level (low/med): LOW

Date Received: 11/12/91

% 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	102.00	B		P
7440-36-0	Antimony	45.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	3.00	U		P
7440-41-7	Beryllium	6.00			P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	131.00	B		P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	10.00	U		P
7440-50-8	Copper	5.00	B		P
7439-89-6	Iron	62.00	B		P
7439-92-1	Lead	1.40	B		F
7439-95-4	Magnesium	48.00	B		P
7439-96-5	Manganese	1.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.00	U		P
7440-09-7	Potassium	2140.00	U		P
7782-49-2	Selenium	4.00	U		F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	4450.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	4.00	U		P
7440-66-6	Zinc	7.00	B		P
	Cyanide	10.00	U		C

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

300487

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB#3 25-27

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FR1109

Matrix (soil/water): SOIL

Lab Sample ID: 00619-018

Level (low/med): LOW

Date Received: 11/12/91

% Solids: 97.9

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1550.00		*E	F
7440-36-0	Antimony	4.00	U		F
7440-38-2	Arsenic	0.86	B		F
7440-39-3	Barium	5.00	B		F
7440-41-7	Beryllium	0.36	B		F
7440-43-9	Cadmium	0.36	U		F
7440-70-2	Calcium	37.30	B		F
7440-47-3	Chromium	3.00		N*	F
7440-48-4	Cobalt	0.89	U		F
7440-50-8	Copper	1.50	B		F
7439-89-6	Iron	2110.00		*	F
7439-92-1	Lead	1.20			F
7439-95-4	Magnesium	127.00	B		F
7439-96-5	Manganese	26.90			F
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	1.10	U		F
7440-09-7	Potassium	191.00	U		F
7782-49-2	Selenium	0.40	U	N	F
7440-22-4	Silver	0.54	U	N	F
7440-23-5	Sodium	397.00	U		F
7440-28-0	Thallium	0.20	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	2.00	B		F
7440-66-6	Zinc	2.80		*	F
	Cyanide	2.00	U		C

Color Before: BLACK

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

300488

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB#3 30-34

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FB1109

Matrix (soil/water): SOIL

Lab Sample ID: 00619-025

Level (low/med): LOW

Date Received: 11/12/91

% Solids: 97.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2140.00		*E	F
7440-36-0	Antimony	3.80	U		F
7440-38-2	Arsenic	0.45	B		F
7440-39-3	Barium	12.30	B		F
7440-41-7	Beryllium	0.34	B		F
7440-43-9	Cadmium	0.59			F
7440-70-2	Calcium	74.00	B		F
7440-47-3	Chromium	6.00		N*	F
7440-48-4	Cobalt	1.60	B		F
7440-50-8	Copper	3.50			F
7439-89-6	Iron	6360.00		*	F
7439-92-1	Lead	0.94			F
7439-95-4	Magnesium	473.00			F
7439-96-5	Manganese	93.30			F
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.50	B		F
7440-09-7	Potassium	228.00	B		F
7782-49-2	Selenium	0.34	U	NW	F
7440-22-4	Silver	0.51	U	N	F
7440-23-5	Sodium	375.00	U		F
7440-28-0	Thallium	0.17	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	6.00			F
7440-66-6	Zinc	8.90		*	F
	Cyanide	2.00	U		C

Color Before: BLACK

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

300489



TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB#3 35-39

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FB1109

Matrix (soil/water): SOIL

Lab Sample ID: 00619--03S

Level (low/med): LOW

Date Received: 11/12/91

% Solids: 97.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1520.00		*E	F
7440-36-0	Antimony	4.60	U		F
7440-38-2	Arsenic	0.80	B		F
7440-39-3	Barium	7.60	B		F
7440-41-7	Beryllium	0.41	B		F
7440-43-9	Cadmium	0.92			F
7440-70-2	Calcium	32.10	B		F
7440-47-3	Chromium	9.60		N*	F
7440-48-4	Cobalt	1.00	U		F
7440-50-8	Copper	2.20	B		F
7439-89-6	Iron	9140.00		*	F
7439-92-1	Lead	1.00			F
7439-95-4	Magnesium	152.00	B		F
7439-96-5	Manganese	47.90			F
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.20	U		F
7440-09-7	Potassium	219.00	U		F
7782-49-2	Selenium	0.37	U	NW	F
7440-22-4	Silver	0.61	U	N	F
7440-23-5	Sodium	455.00	U		F
7440-28-0	Thallium	0.18	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	6.10			F
7440-66-6	Zinc	12.90		*	F
	Cyanide	1.90	U		C

Color Before: BLACK

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

300490

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB#4 10-12

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FB1109

Matrix (soil/water): SOIL

Lab Sample ID: 00619-06S

Level (low/med): LOW

Date Received: 11/12/91

% Solids: 98.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	945.00		*E	F
7440-36-0	Antimony	4.10	U		F
7440-38-2	Arsenic	0.57	B		F
7440-39-3	Barium	3.90	B		F
7440-41-7	Beryllium	0.28	B		F
7440-43-9	Cadmium	0.92			F
7440-70-2	Calcium	33.60	B		F
7440-47-3	Chromium	2.70		N*	F
7440-48-4	Cobalt	0.92	U		F
7440-50-8	Copper	2.50			F
7439-89-6	Iron	8410.00		*	F
7439-92-1	Lead	1.90			F
7439-95-4	Magnesium	179.00	B		F
7439-96-5	Manganese	49.80			F
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.10	U		F
7440-09-7	Potassium	196.00	U		F
7782-49-2	Selenium	0.35	U	NW	F
7440-22-4	Silver	0.55	U	N	F
7440-23-5	Sodium	408.00	U		F
7440-28-0	Thallium	0.18	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	3.40	B		F
7440-66-6	Zinc	5.80		*	F
	Cyanide	1.90	U		C

Color Before: BLACK

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

300491

## TOTAL METALS &amp; CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB#4 15-17

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: FB1109

Matrix (soil/water): SOIL

Lab Sample ID: 00619-07S

Level (low/med): LOW

Date Received: 11/12/91

% Solids: 98.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	849.00		*E	P
7440-36-0	Antimony	4.50	U		P
7440-38-2	Arsenic	0.24	B		F
7440-39-3	Barium	3.10	B		P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	73.60	B		P
7440-47-3	Chromium	2.90		N*	P
7440-48-4	Cobalt	0.99	U		P
7440-50-8	Copper	1.80	B		P
7439-89-6	Iron	3160.00		*	P
7439-92-1	Lead	0.83			F
7439-95-4	Magnesium	154.00	B		P
7439-96-5	Manganese	33.20			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.20	U		P
7440-09-7	Potassium	212.00	U		P
7782-49-2	Selenium	0.39	U	NW	F
7440-22-4	Silver	0.59	U	N	P
7440-23-5	Sodium	441.00	U		P
7440-28-0	Thallium	0.19	U		F
7440-31-5	Tin				NR
7440-62-2	Vanadium	1.90	B		P
7440-66-6	Zinc	4.10		*	P
	Cyanide	2.00	U		C

Color Before: BLACK

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

300492

**Unvalidated Data**

**Indoor borings 1 & 2  
Re-sampling drywells 5-9, catch basin**

**300493**

TOTAL METALS & CYANIDE  
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Row No.: 7/88

SAMPLE ID	Lab Sample ID.
CATCHB	00006-01S
DW5	00006-02S
DW6	00006-03S
DW7	00006-04S
DW8	00006-05S
DW9	00006-06S
FB0104	00006-11S
FB0105	00006-12S
IB110	00006-07S
IB110D	00006-07S2
IB110S	00006-07DS
IB115	00006-08S
IB210	00006-09S
IB215	00006-10S

ICP interelement corrections applied? Yes/No NO  
 ICP background corrections applied? Yes/No YES  
 If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained on this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Phyllis Skiller Name: Phyllis Skiller  
 Date: 1/27/92 Title: Inorganic Manager

COVER PAGE - IN

Rev. 6/89

300494

## TOTAL METALS &amp; CYANIDE

5A  
SPIKE SAMPLE RECOVERY

SAMPLE ID

Name: CEIMIC

Contract: ANSON

IB110S

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix: SOIL

Level (low/med): LOW

Solids for Sample: 99.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	75-125	80.8080	9.6107	98.07	82.4		F
Arsenic	75-125	7.1901	1.4869	7.35	77.6		F
Barium	75-125	357.3598	7.2570	392.27	89.3		F
Beryllium	75-125	8.6300	0.7845	9.81	80.0		F
Cadmium	75-125	9.8068	1.1768	9.81	88.0		F
Calcium							NR
Chromium	75-125	37.2658	11.5720	39.23	65.5	N	F
Chloride	75-125	87.4767	1.7652	98.07	89.2		F
Copper	75-125	47.0726	4.3150	49.03	87.2		F
Iron							NR
Lead	75-125	6.0698	1.9636	3.67	111.9		F
Magnesium							NR
Manganese	75-125	145.5329	66.8824	98.07	80.2		F
Mercury	75-125	0.3796	0.0962	0.40	94.9		CV
Nickel	75-125	89.6342	2.3536	98.07	89.0		F
Potassium							NR
Selenium	75-125	1.7723	0.4848	1.84	96.3		F
Silver	75-125	12.1604	0.9807	9.81	114.0		F
Sodium							NR
Thallium	75-125	9.1644	0.1616	9.18	99.8		F
Titanium	75-125	91.5955	8.0416	98.07	85.2		F
Zinc	75-125	90.2226	7.6493	98.07	84.2		F
Cyanide	75-125	14.4343	1.2500	16.67	86.6		C

Comments:

FORM V (PART 1) - IN

7/88

300495

4

TOTAL METALS & CYANIDE

5B  
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE ID

Lab Name: CEIMIC

Contract: ANSON

IB110A

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_RA

Matrix: SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium		161.00	59.00	100.0	102.0		P
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

FORM V (PART 2) - IN

7/88

300496

5

6  
DUPLICATES

SAMPLE ID

IB110D

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 99.0

% Solids for Duplicates: 99.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		1609.8843	1741.1741	7.8		P
Antimony		9.6107 U	9.8010 U			P
Arsenic		1.4869 B	0.8784 B	51.5		F
Barium		7.2570 B	7.4007 B	2.0		P
Beryllium		0.7845 B	0.6001 B	26.6		P
Cadmium	1.0	1.1768	0.8001 B	38.1		P
Calcium	980.7	911.0517 B	1020.9021	11.4		P
Chromium	2.0	11.5720	5.4005	72.7	*	P
Cobalt		1.7652 U	2.0002 B	200.0		P
Copper		4.3150 B	4.6005 B	6.4		P
Iron		5641.8520	4778.8778	16.6		P
Lead	0.5	1.9636	2.3891	19.6		F
Magnesium		285.1817 B	344.0344 B	18.7		P
Manganese		66.8824	71.4071	6.5		P
Mercury		0.0962 U	0.0878 U			CV
Nickel		2.3536 B	3.4003 B	36.4		P
Potassium		163.3813 B	219.4219 B	29.3		P
Selenium		0.4848 U	0.5270 U			F
Silver		0.9807 B	1.0001 B	2.0		P
Sodium		173.7765 B	148.4148 B	15.7		P
Thallium		0.1616 U	0.1757 U			F
Vanadium		8.0416 B	4.4004 B	58.5		P
Zinc	3.9	7.6493	8.0008	4.5		P
Cyanide		1.2500 U	1.5572 U			C

300497

FORM VI -IN

7/88

6



## TOTAL METALS &amp; CYANIDE

9  
ICP SERIAL DILUTIONS

SAMPLE ID

IR110L

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample		Serial Dilution		% Difference	Q	M
	Result (I)	C	Result (S)	C			
Aluminum	8208.00		8115.00		1.1		F
Antimony	49.00	U	245.00	U			F
Arsenic							NR
Barium	37.00	B	20.00	B	45.9		F
Beryllium	4.00	B	20.00	B	400.0		F
Cadmium	6.00		20.00	U	100.0		F
Calcium	4645.00	B	4780.00	B	2.9		F
Chromium	59.00		75.00		27.1		F
Cobalt	9.00	U	45.00	U			F
Copper	22.00	B	25.00	B	13.6		F
Iron	28765.00		29560.00		2.8		F
Lead							NR
Magnesium	1454.00	B	1465.00	B	0.8		F
Manganese	341.00		355.00		4.1		F
Mercury							NR
Nickel	12.00	B	65.00	B	441.7		F
Potassium	833.00	B	1535.00	B	84.3		F
Selenium							NR
Silver	5.00	B	15.00	B	200.0		F
Sodium	886.00	B	820.00	B	7.4		F
Thallium							NR
Vanadium	41.00	B	45.00	B	9.8		F
Zinc	39.00		45.00	B	15.4		F

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

CATCHE

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-01S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 92.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	2.00	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

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TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DW5

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-02S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 95.9

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
-----	Cyanide	1.90	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DW6

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-035

Level (low/med): LOW

Date Received: 01/07/92

Solids: 84.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	2.30	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DW7

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-048

Level (low/med): LOW

Date Received: 01/07/92

Solids: 87.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.34			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	1.90	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DWS

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-05S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 89.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.26			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	2.00	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DW9

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-06S

Level (low/med): LOW

Date Received: 01/07/92

% Solids: 76.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	2.20	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

## TOTAL METALS &amp; CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

FR0104

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): WATER

Lab Sample ID: 00006-11S

Level (low/med): LOW

Date Received: 01/07/92

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	84.00	U		F
7440-36-0	Antimony	49.00	U		F
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	3.00	U		F
7440-41-7	Beryllium	4.00	B		F
7440-43-9	Cadmium	4.00	U		F
7440-70-2	Calcium	36.00	U		F
7440-47-3	Chromium	6.00	U		F
7440-48-4	Cobalt	9.00	U		F
7440-50-8	Copper	13.00	B		F
7439-89-6	Iron	37.00	U		F
7439-92-1	Lead	1.00	U		F
7439-95-4	Magnesium	41.00	U		F
7439-96-5	Manganese	2.00	U		F
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.00	B		F
7440-09-7	Potassium	290.00	U		F
7782-49-2	Selenium	3.00	U		F
7440-22-4	Silver	9.00	B		F
7440-23-5	Sodium	70.00	U		F
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	6.00	U		F
7440-66-6	Zinc	5.00	U		F
	Cyanide	10.00	U		C

Color Before: YELLOW

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

FORM I - IN

7/88

14

300505



TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

FB0105

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): WATER

Lab Sample ID: 00006-12S

Level (low/med): LOW

Date Received: 01/07/92

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	84.00	U		F
7440-36-0	Antimony	49.00	U		F
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	3.00	U		F
7440-41-7	Beryllium	4.00	B		F
7440-43-9	Cadmium	4.00	U		F
7440-70-2	Calcium	36.00	U		F
7440-47-3	Chromium	9.00	B		F
7440-48-4	Cobalt	9.00	U		F
7440-50-8	Copper	6.00	B		F
7439-89-6	Iron	220.00			F
7439-92-1	Lead	1.00	U		F
7439-95-4	Magnesium	41.00	U		F
7439-96-5	Manganese	8.00	B		F
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.00	U		F
7440-09-7	Potassium	290.00	U		F
7782-49-2	Selenium	3.00	U	W	F
7440-22-4	Silver	3.00	U		F
7440-23-5	Sodium	84.00	B		F
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	6.00	U		F
7440-66-6	Zinc	5.00	U		F
	Cyanide	10.00	U		C

Color Before: YELLOW

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

## TOTAL METALS &amp; CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB110

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-07S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 99.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1610.00			F
7440-36-0	Antimony	9.60	U		F
7440-38-2	Arsenic	1.50	B		F
7440-39-3	Barium	7.30	B		F
7440-41-7	Beryllium	0.78	B		F
7440-43-9	Cadmium	1.20			F
7440-70-2	Calcium	911.00	B		F
7440-47-3	Chromium	11.60		N*	F
7440-48-4	Cobalt	1.80	U		F
7440-50-8	Copper	4.30	B		F
7439-89-6	Iron	5640.00			F
7439-92-1	Lead	2.00			F
7439-95-4	Magnesium	285.00	B		F
7439-96-5	Manganese	66.90			F
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.40	B		F
7440-09-7	Potassium	163.00	B		F
7782-49-2	Selenium	0.48	U		F
7440-22-4	Silver	0.98	B		F
7440-23-5	Sodium	174.00	B		F
7440-28-0	Thallium	0.16	U		F
7440-62-2	Vanadium	8.00	B		F
7440-66-6	Zinc	7.60			F
	Cyanide	1.20	U		C

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

FORM I - IN

7/88

16

300507

## TOTAL METALS &amp; CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB115

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-08S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 97.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1200.00			F
7440-36-0	Antimony	8.10	U		F
7440-38-2	Arsenic	1.90	B		F
7440-39-3	Barium	6.50	B		F
7440-41-7	Beryllium	0.50	B		F
7440-43-9	Cadmium	0.83			F
7440-70-2	Calcium	160.00	B		F
7440-47-3	Chromium	4.50		N*	F
7440-48-4	Cobalt	1.50	B		F
7440-50-8	Copper	2.80	B		F
7439-89-6	Iron	5350.00			F
7439-92-1	Lead	1.20			F
7439-95-4	Magnesium	243.00	B		F
7439-96-5	Manganese	54.30			F
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	2.50	B		F
7440-09-7	Potassium	198.00	B		F
7782-49-2	Selenium	0.57	U	MW	F
7440-22-4	Silver	0.50	B		F
7440-23-5	Sodium	164.00	B		F
7440-28-0	Thallium	0.19	U		F
7440-62-2	Vanadium	3.30	B		F
7440-66-6	Zinc	6.50			F
	Cyanide	1.90	U		C

Color Before: BROWN

Clarity Before:

Texture: COARSE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

FORM I - IN

7/87

300508

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB210

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-09S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 98.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1600.00			F
7440-36-0	Antimony	9.30	U		F
7440-38-2	Arsenic	1.00	B		F
7440-39-3	Barium	6.50	B		F
7440-41-7	Beryllium	0.76	B		F
7440-43-9	Cadmium	0.76	U		F
7440-70-2	Calcium	134.00	B		F
7440-47-3	Chromium	5.30		N*	F
7440-48-4	Cobalt	1.70	U		F
7440-50-8	Copper	2.80	B		F
7439-89-6	Iron	4300.00			F
7439-92-1	Lead	2.30			F
7439-95-4	Magnesium	305.00	B		F
7439-96-5	Manganese	53.00			F
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	2.50	B		F
7440-09-7	Potassium	207.00	B		F
7782-49-2	Selenium	0.54	U		F
7440-22-4	Silver	0.57	U		F
7440-23-5	Sodium	132.00	B		F
7440-28-0	Thallium	0.18	U		F
7440-62-2	Vanadium	3.40	B		F
7440-66-6	Zinc	8.70			F
	Cyanide	1.30	U		C

Color Before: BROWN

Clarity Before:

Texture: COARSE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

TOTAL METALS & CYANIDE

1  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

IB215

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: CATCH\_BA

Matrix (soil/water): SOIL

Lab Sample ID: 00006-10S

Level (low/med): LOW

Date Received: 01/07/92

Solids: 97.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	784.00			F
7440-36-0	Antimony	9.60	U		F
7440-38-2	Arsenic	0.89	B		F
7440-39-3	Barium	3.10	B		F
7440-41-7	Beryllium	0.78	B		F
7440-43-9	Cadmium	0.78	U		F
7440-70-2	Calcium	34.10	B		F
7440-47-3	Chromium	2.90		N*	F
7440-48-4	Cobalt	1.80	U		F
7440-50-8	Copper	2.70	B		F
7439-89-6	Iron	2950.00			F
7439-92-1	Lead	1.30			F
7439-95-4	Magnesium	148.00	B		F
7439-96-5	Manganese	28.20			F
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	2.00	U		F
7440-09-7	Potassium	91.50	B		F
7782-49-2	Selenium	0.56	U		F
7440-22-4	Silver	0.59	B		F
7440-23-5	Sodium	84.10	B		F
7440-28-0	Thallium	0.19	U		F
7440-62-2	Vanadium	2.40	B		F
7440-66-6	Zinc	6.30			F
	Cyanide	1.90	U		C

Color Before: BROWN

Clarity Before:

Texture: COARSE

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

# Anson Environmental

Environmental Audits  
Hazardous Waste  
Asbestos Management  
Groundwater Remediation  
Storage Tank Management  
Impact Statements  
Wetland Investigations

256 Main Street  
Northport, NY 11768  
516-757-7090  
(fax) 516-757-1229

April 7, 1992

Dorothy Allen, Project Manager  
United States Environmental Protection Agency, Region II  
26 Federal Plaza  
New York, NY 10278

Re: Administrative Order Index No. II CERCLA-90208  
Anchor Chemical Site  
500 West John Street, Hicksville, NY

Dear Mrs. Allen:

Enclosed please find copies of the data sheets for the composite soil samples which were analyzed by CEIMIC Corp. The sections 2 and 3 of the data validation of this analysis is enclosed.

We trust this is satisfactory for your purposes. If you have any questions, please do not hesitate to call.

Very truly yours,



Dean Anson II  
Co-Facility Coordinator

300511



**SECTION 2**

**ANALYTICAL RESULTS**

**300512**

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 1
Environmental Sample Number	Sample #1 #2 #3	
Story Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
ORGANIC ELEMENTS		
Benzene	1.005 5 U	.5
Carbon Tetrachloride	1.005 5 U	.5
Chlorobenzene	1.005 5 U	1.00
Chloroform	1.005 5 U	6
1,2-Dichloroethane	1.005 5 U	.5
1,1-Dichloroethylene	1.005 5 U	.7
Methylethylketone	1.01 10 UR	2.0
Tetrachloroethylene	1.005 5 U	.7
loroethylene	1.005 5 U	.5
Vinyl Chloride	1.012 12 U	.2
Date Sample Collected	11/6/91	
Date Leachate Generated	11/12/91	
Date Leachate Analyzed	11/13/91	

→ Regulatory Limit (ug/L)

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported quantitation limits are recovery-corrected.



ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 2
Anson Environmental Sample Number	Sample #1 #2 #3	
atory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/l	
SEMIVOLATILE ELEMENTS		
Pyridine	.25	250 UJ 5
2,4-Dinitrotoluene	.06	62 UJ .13
Hexachlorobenzene	.04	41 UJ .13
Hexachloro-1,3-butadiene	.04	44 UJ .5
Hexachloroethane	.06	62 UJ 3
Nitrobenzene	.05	54 UJ 2
1,4-Dichlorobenzene	.06	57 UJ 7.5
*Methylphenols (total)	.06	62 UJ 2w
Trichlorophenol	.2	190 UJ 100
2,4,5-Trichlorophenol	.3	270 UJ 400
2,4,6-Trichlorophenol	.05	51 UJ 2
Date Sample Collected	11/6/91	
Date Leachate Generated	11/15/91	
Date Leachate Extracted	11/18/91	
Date Leachate Analyzed	11/25/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported quantitation limits are recovery-corrected.

*Crezol*

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 3
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
ORGANOCHLORINE PESTICIDES		
* gamma-BHC	0.23 UJ	.4
Heptachlor	0.21 UJ	.008
Heptachlor Epoxide	0.20 UJ	
Endrin	0.38 UJ	.02
Methoxychlor	2.2 UJ	.0
Chlordane	1.7 UJ	.03
Toxaphene	3.3 UJ	.5
Date Sample Collected	11/6/91	
Date Leachate Generated	11/15/91	
Date Leachate Extracted	11/18/91	
Date Extract Analyzed	11/23/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported quantitation limits are recovery-corrected except for chlordane and toxaphene.

300515

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 4
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
HERBICIDES		
2,4-D	3 263 UJ 10	
2,4,5-TP (Silvex)	05 52 UJ 1	
* 2,4,5-T	06 61 UJ	
Date Sample Collected	11/6/91	
Date Leachate Generated	11/15/91	
Date Leachate Extracted	11/19/91	
Date Extract Analyzed	11/25/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- UR This compound was analyzed for but was not detected; however, the analysis was deemed unreliable.

The reported quantitation limits are recovery-corrected.

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 5
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
TCLP METALS		
Arsenic	.08	84.5 U 5
Barium	.1	167 100
Cadmium	.005	4.7 U 1
Chromium	.007	6.9 U 5
Lead	.006	57.3 U 5
Mercury	.0002	0.23 UJ 12
Selenium	.07	95.9 U 1
Silver	.0003	3.5 U 5

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported positive result and quantitation limits are recovery-corrected.

**SECTION 3**

**DATA SUPPORT DOCUMENTATION**

**300518**

PROJECT NAME: Anson Env.

SUPPORT DOCUMENTATION FOR THE REVIEW OF  
ORGANIC ANALYSIS LAB DATA PACKAGE

TYPE OF ANALYSIS: TCLP, VOA, BNA, Pest, Herb

CONTRACT LABORATORY: Cerius Corp.

REVIEWER: D. Lancaster

REVIEW DATE: 3/24/92

APPLICABLE SAMPLE NO'S.: \_\_\_\_\_

Sample #1 #2, #3  
(Composite)

THE FOLLOWING TABLE INDICATES AREAS WHICH WERE EXAMINED IN DETAIL, THE IDENTIFIED PROBLEM AREAS, AND SUPPORT DOCUMENTATION ATTACHMENTS:

	AREAS EXAMINED IN DETAIL			PROBLEM AREAS IDENTIFIED			SUPPORT DOCUMENTATION ATTACHMENTS					
	CHECK (✓) IF YES OR FOOTNOTE LETTER FOR COMMENTS BELOW			CHECK (✓) IF YES OR FOOTNOTE NUMBER FOR COMMENTS BELOW			CHECK (✓) IF YES OR IDENTIFY ATTACHMENT NO.					
	ALL APPLICABLE ANALYSES	VOA	BNA	PEST/PCB/Herb	ALL APPLICABLE ANALYSES	VOA	BNA	PEST/PCB/Herb	ALL APPLICABLE ANALYSES	VOA	BNA	PEST/PCB/Herb
HOLDING TIMES	✓					✓	✓		✓			
BLANK ANALYSIS RESULTS: TARGET COMPOUNDS	✓								✓			
BLANK ANALYSIS RESULTS: TENTATIVE I.O.I	✓								✓			
SURROGATE SPIKE RESULTS	✓								✓			
MATRIX SPIKE RESULTS	✓								✓			
DUPLICATE ANALYSIS RESULTS	✓								✓			
TARGET COMPOUND MATCHING QUALITY	✓								✓			
TENTATIVELY IDENTIFIED COMPOUNDS	✓								✓			
OF TPP & BFB SPECTRUM TUNE RESULTS	✓								✓			
GC INSTRUMENT PERFORMANCE	✓								✓			
INITIAL CALIBRATIONS	✓					✓			✓			
CONTINUING CALIBRATIONS	✓				✓				✓			
QUANTITATION OF RESULTS	✓								✓			
OTHERS	✓								✓			

COMMENTS: \_\_\_\_\_

No initial calibration, BNA, for pyridine  
Sample leachates extracted outside holding time  
for BNA, Pest, PCB

**CASE NARRATIVE**

The enclosed data package is in response to Anson Environmental request for Ceimic Case #910614, SDG#Sample #1 #2 #3. Under this SDG, there are 2 TCLP VOA, 2 TCLP SVOA, 2 TCLP Pest, and 2 TCLP Herb analyses for 1 soil sample which was received at CEIMIC on November 8, 1991.

This data package included the analysis of samples for SDG Sample #1#2#3.

**CLIENT ID**

Sample #1#2#3

**ANALYSIS**

VOA, SV, PEST, HERB

The submitted data covers the analysis of the Volatile (VOA), Semivolatile (SV), Pesticides (Pest), and Herbicides (Herb) fractions and their associated blanks and QA/QC. CEIMIC would like to highlight the following points pertaining to the analyses performed for this case:

**(1) INSTRUMENTATION AND COLUMN IDENTIFICATION**

The following instruments are used for the analyses:

**GC/MS ANALYSIS**

**A. VOA**

MS6 : HP5970B GC/MS using 6' x 2mm ID SP-1000  
glass packed column

**B. SV**

MS10 : HP 5970B GC/MS using 30 m x 0.25 mm ID DB-5  
fused silica capillary column

**C. Pest**

GC 8 : HP 5890 DB-1701 30 mm x 0.53 mm ID megabore  
column

**D. Herb**

GC 3 : HP5890 DB-5 30 mm x 0.53 mm ID megabore column

300520

1A

(1) **SAMPLE INFORMATION**

Additional qualifier: "x"

An "x" qualifier is flagged by Formaster software whenever the data is manually edited.

A. **VOA Fraction**

The VOA reconstructed ion chromatograms are labelled as:

IS1	Bromochloromethane	IS
IS2	Difluorobenzene	IS
IS3	Chlorobenzene-d5	IS
SS1	Dichloroethane-d4	SS
SS2	Toluene-d8	SS
SS3	Bromofluorobenzene	SS

B. **SVOA Fraction**

The entire base-neutral and acid fractions were combined and concentrated to a final extract volume of 1 ml prior to GC/MS analysis. The sample concentration in FORM 1B are therefore correct and do not have to be divided by 2.

The SV reconstructed ion chromatograms are labeled as:

S-1	2-Fluorophenol	SS
S-2	Phenol-d5	SS
IS-1	1,4-Dichlorobenzene-d4	IS
S-3	Nitrobenzene-d5	SS
IS-2	Naphthalene-d8	IS
S-4	2-Fluorobiophenyl	SS
IS-3	Acenaphthene-d10	IS
S-5	Tribromophenol	SS
IS-4	Phenanthrene-d10	IS
S-6	Terphenyl-d14	SS
IS-5	Chrysene-d12	IS
IS-6	Perylene-d12	IS

IS = Internal standard  
SS = Surrogate standard

C. **Pest**

None.

D. **Herb**

None.

**DEVIATIONS FROM THE SOW**

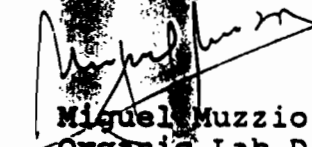
None other than specified above.

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1B



I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Miguel Muzzio  
Organic Lab Director  
March 5, 1992

300522

10

2A  
WATER VOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP

Contract: ANSON

Code: CEIMIC

Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123

EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01 SAMPLE123	93	92	101	0	0
02 TCLP_BLANK	99	97	99	0	0
03 SAMPLE123MS	99	98	106	0	0
04 VBLK01	99	98	93	0	0

QC LIMITS

S1 (TOL) = Toluene-d8 ( 88-110)  
 S2 (BFB) = Bromofluorobenzene ( 86-115)  
 S3 (DCE) = 1,2-Dichloroethane-d4 ( 76-114)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogates diluted out

45

CEIMIC  
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"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

VOLATILE ORGANICS TARGET ANALYTES

MATRIX SPIKE ANALYSIS SUMMARY

EPA METHOD 8240

Client: Anson Environmental

Client Sample ID: Sample #1 #2 #3MS

Laboratory ID: 910614-01MS

Date Analyzed: 11/13/91

Concentration in: ug/L (ppb)

Target Analyte	Sample Result	Spike Added	Spiked Sample Result	Percent Recovery
Benzene	ND	50	52	104 %
Carbon tetrachloride	ND	50	60	120
Chlorobenzene	ND	50	55	110
Chloroform	ND	50	56	112
1,2-Dichloroethane	ND	50	54	108
1,1-Dichloroethylene	ND	50	54	108
Methylethylketone	ND	50	55	110
Tetrachloroethylene	ND	50	53	106
Trichloroethylene	ND	50	54	108
Vinyl chloride	ND	50	42	84

This matrix spike analysis summary applies to the following samples:

Sample #1 #2 #3

Reported by: JWS

Approved by: AK

300524 46

5A  
VOLATILE ORGANIC GC/MS TUNING AND MASS  
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
 Lab File ID: F4939 ✓ BFB Injection Date: 10/23/91  
 Instrument ID: MS6 ✓ BFB Injection Time: 1756  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	54.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	Greater than 50.0% of mass 95	80.3
175	5.0 - 9.0% of mass 174	6.3 ( 7.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	76.8 ( 95.7)1
177	5.0 - 9.0% of mass 176	4.8 ( 6.2)2

1-Value is % mass 174

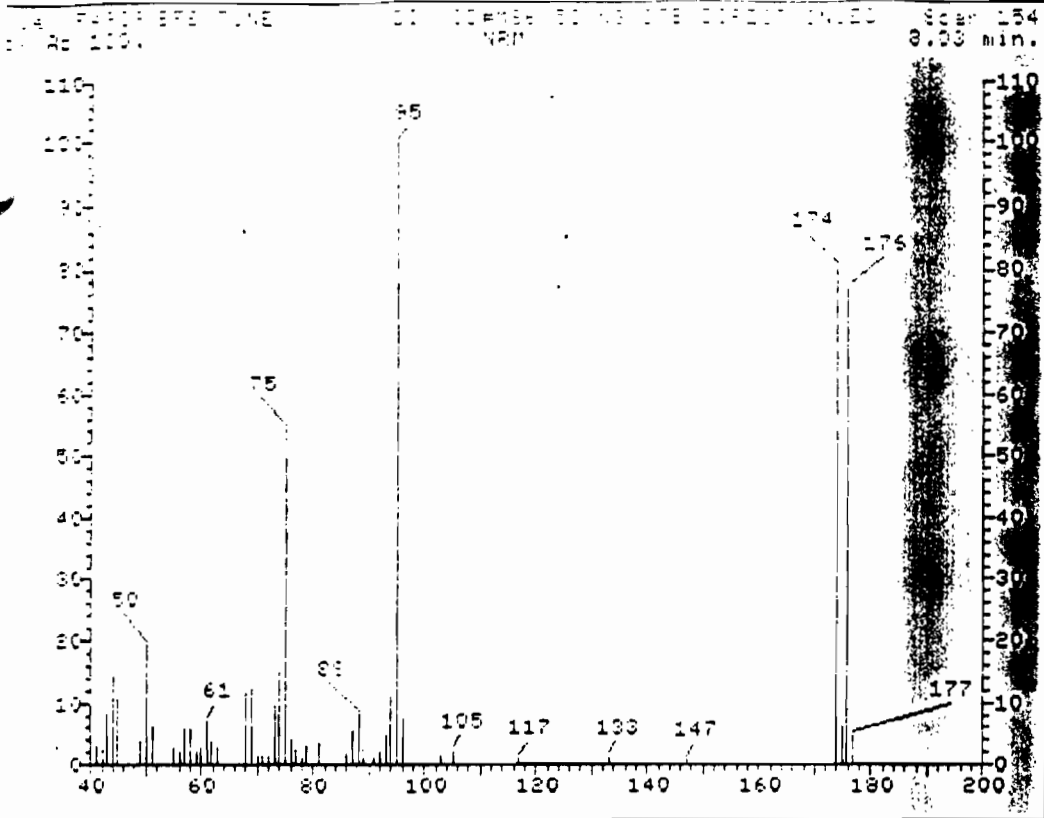
2-Value is % mass 176

TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD050	VSTD1023	F4940	10/23/91	1821
02 VSTD020	VSTD1023	F4941	10/23/91	1912
03 VSTD100	VSTD1023	F4942	10/23/91	1955
04 VSTD150	VSTD1023	F4943	10/23/91	2041
05 VSTD200	VSTD1023	F4944	10/23/91	2128

300525

48



MS data file header from : >F4939::D5

Sample: BFB TUNE DI Operator: VOA4 REG. GRP. 10/23/91 17:56  
 Misc : ID#MS6 50 NG BFB DIRECT INJECTION JY  
 # : 2 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: MS6  
 Method file: MS6A Tuning file: TUNEF No. of extra records: 2  
 Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	220.	220.	0.	0.	0.
Chromatographic times, min. :	12.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	1.0	0.0	0.0	0.0	0.0

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75

CB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Base Peak	Abundance Appropriate Peak	Status
50	15-40% of mass 95	19.23	19.23	Ok
75	30-60% of mass 95	54.44	54.44	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.40	7.40	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	80.26	80.26	Ok
175	5-9% of mass 174	6.28	7.82	Ok
176	95-101% of mass 174	76.79	95.68	Ok
177	5-9% of mass 176	4.74	6.18	Ok

Injection Date: 10/23/91  
 Injection Time: 17:56  
 Data File: >F4939  
 Scan: 154

F4939      BFB TUNE      DI ID#MS6 50 NG BFB DIRECT INJECTION JY  
 154      NRM

>F4939 Scan #: 154 Retn. time: 8.03

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.10	1.327	50.05	19.235	67.95	11.633	78.95	3.010	96.05	7.398
37.00	5.408	51.05	6.071	69.05	12.347	80.95	3.571	102.95	1.582
38.00	3.980	55.05	2.755	69.95	1.531	86.05	1.939	105.05	2.143
39.10	3.520	56.05	2.092	70.95	1.429	86.95	5.561	117.05	.969
40.00	7.245	57.05	5.765	71.95	1.531	88.05	8.112	133.00	1.224
41.05	3.265	58.05	5.867	73.05	9.388	89.05	2.602	147.00	.612
42.05	2.551	59.05	2.041	74.05	14.898	90.85	.969	173.90	80.255
43.05	8.163	60.05	2.755	75.05	54.439	92.05	2.245	174.90	6.276
44.05	14.337	61.05	7.041	76.05	3.980	92.95	4.796	175.90	76.786
44.95	10.663	61.95	3.929	77.05	2.296	94.05	11.020	176.90	4.745
49.05	3.878	62.95	2.857	78.05	1.071	95.05	100.000	206.95	5.051

76

300527

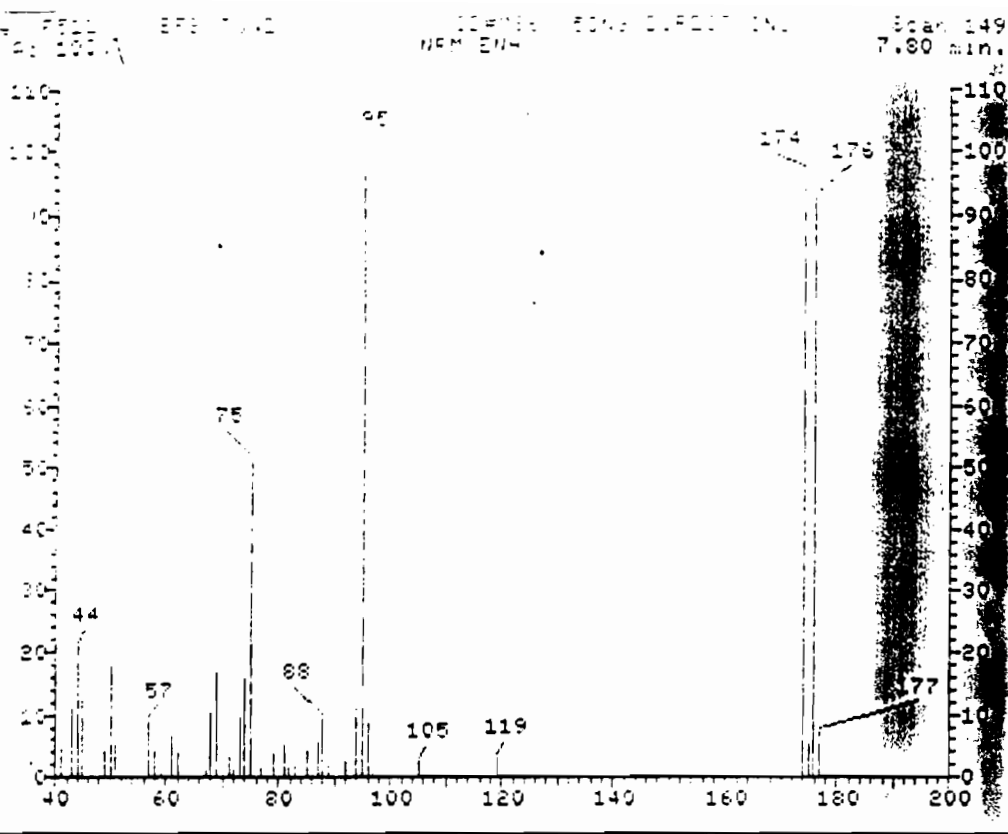
CB

EA  
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP Contract: ANSON  
 Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
 Instrument ID: MS6 Calibration Date(s): 10/23/91 10/23/91  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) PACK  
 Min RRF for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(\*) = 30.0%

LAB FILE ID: RRF20 = F4941 1912 RRF50 = F4940 1821  
 RRF100 = F4942 1955 RRF150 = F4943 2011 RRF200 = F4944 2128

COMPOUND	RRF20	RRF50	RRF100	RRF150	RRF200	RRF	% RSD
Chloromethane	0.587	0.540	0.587	0.575	0.553	0.568	3.7#
Bromomethane	1.094	1.045	1.149	1.120	1.108	1.103	3.5
Vinyl Chloride	0.921	0.839	0.923	0.864	0.865	0.882	4.3*
Chloroethane	0.587	0.549	0.561	0.546	0.535	0.556	3.6
Methylene Chloride	2.511	2.382	2.338	2.338	2.392	2.392	3.0
Acetone	0.185	0.152	0.155	0.102	0.111	0.141	24.2
Carbon Disulfide	2.672	2.621	2.690	2.694	2.635	2.662	1.2
1,1-Dichloroethene	1.031	1.001	1.018	1.027	1.007	1.017	1.3*
1,1-Dichloroethane	1.970	1.869	1.966	1.965	1.908	1.936	2.3#
1,2-Dichloroethene (total)	1.239	1.128	1.131	1.142	1.194	1.167	4.1
Chloroform	2.611	2.602	2.641	2.620	2.578	2.610	0.9*
1,2-Dichloroethane	1.701	1.629	1.656	1.592	1.691	1.654	2.7
2-Butanone	0.065	0.058	0.062	0.046	0.052	0.057	13.4#
1,1,1-Trichloroethane	0.633	0.614	0.622	0.619	0.663	0.630	3.1
Carbon Tetrachloride	0.572	0.569	0.594	0.584	0.589	0.582	1.9
Vinyl Acetate	0.371	0.357	0.380	0.338	0.336	0.356	5.5
Bromodichloromethane	0.654	0.636	0.650	0.641	0.688	0.654	3.1
1,2-Dichloropropane	0.296	0.282	0.299	0.291	0.293	0.292	2.2*
cis-1,3-Dichloropropene	0.542	0.520	0.550	0.538	0.582	0.546	4.2
Trichloroethene	0.411	0.393	0.407	0.405	0.400	0.403	1.7
Dibromochloromethane	0.588	0.576	0.622	0.591	0.604	0.596	2.9
1,1,2-Trichloroethane	0.298	0.279	0.292	0.269	0.274	0.282	4.3
Benzene	0.737	0.704	0.735	0.734	0.778	0.738	3.6
Trans-1,3-Dichloropropene	0.522	0.487	0.498	0.477	0.510	0.499	3.6
Bromoform	0.392	0.391	0.411	0.383	0.422	0.400	4.0#
4-Methyl-2-Pentanone	0.215	0.188	0.202	0.164	0.165	0.187	12.0
2-Hexanone	0.166	0.137	0.140	0.109	0.113	0.133	17.4
Tetrachloroethene	0.454	0.423	0.451	0.443	0.439	0.441	2.9
1,1,2,2-Tetrachloroethane	0.481	0.445	0.477	0.412	0.450	0.453	6.2#
Toluene	0.647	0.597	0.627	0.618	0.651	0.628	3.5*
Chlorobenzene	0.915	0.856	0.898	0.892	0.879	0.888	2.5#
Ethylbenzene	0.430	0.395	0.422	0.422	0.442	0.422	4.1*
Styrene	0.882	0.837	0.894	0.869	0.850	0.866	2.7
Total Xylenes	0.540	0.502	0.544	0.526	0.521	0.527	3.2
Toluene-d8	1.090	1.096	1.074	1.056	1.040	1.071	2.2
RFB	0.837	0.815	0.797	0.779	0.774	0.800	3.3
2-Dichloroethane-d4	1.939	2.041	1.906	1.814	1.794	1.899	5.3



MS data file header from : >F5115::D5

Sample: BPB TUNE Operator: VOA4 REG. GRP. 11/13/91 8:57  
 Misc : ID#MS6 SONG DIRECT INJ YY  
 SW. #: 2 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: MS6  
 Method file: MS6A Tuning file: TUNEF No. of extra records: 2  
 Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures : 220. 220. 0. 0. 0.  
 Chromatographic times, min. : 12.0 1.0 0.0 0.0 0.0  
 Chromatographic rate, deg/min: 1.0 0.0 0.0 0.0 0.0

*Form V not included in data package*

77  
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*CB*



GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	17.82	17.82	Ok
75	30-60% of mass 95	50.81	50.81	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	8.42	8.42	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	97.02	97.02	Ok
175	5-9% of mass 174	5.27	5.44	Ok
176	95-101% of mass 174	92.62	95.46	Ok
177	5-9% of mass 176	7.11	7.67	Ok

Injection Date: 11/13/91  
 Injection Time: 08:57  
 Data File: >F5115  
 Scan: 149

>F5115                      BFB TUNE                      ID#MS6    50NG DIRECT INJ  
 149                            NRM ENH

: >F5115    Scan #:            149    Retn. time:    7.80

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.00	4.865	51.00	5.275	71.10	3.280	83.10	1.722	97.00	.383
39.00	3.061	57.00	8.937	72.00	1.175	85.00	4.209	105.00	2.296
40.00	17.027	58.00	4.263	73.00	9.702	87.00	5.493	118.95	3.116
41.00	4.591	59.00	.492	74.00	15.687	88.00	9.374	173.95	97.021
43.00	10.905	61.00	6.395	75.00	50.806	89.10	2.924	174.85	5.275
44.00	20.935	62.00	3.635	77.00	1.394	91.90	2.487	175.85	92.621
45.00	12.271	67.10	1.011	79.00	3.936	94.00	11.287	176.95	7.106
49.00	4.045	68.00	10.276	81.00	5.247	95.00	100.000	207.05	6.505
50.00	17.819	69.00	16.507	81.90	1.366	96.00	8.418		

00 78

300530

CB

7A  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: ANSON  
 Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
 Instrument ID: MSE Calibration date: 11/13/91 Time: 0940  
 Lab File ID: F5116 Init. Calib. Date(s): 10/23/91 10/23/91  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP  
 Min RRF50 for SPCC(%) = 0.300 (0.250 for Bromoform) Max %D for CDD(\*) = 25.0%

COMPOUND	RRF	RRF50	%D
Chloromethane	# 0.568	0.417	26.6 #
Bromomethane	1.103	1.019	7.6
Vinyl Chloride	* 0.882	0.700	20.6 *
Chloroethane	0.556	0.446	19.8
Methylene Chloride	2.392	1.867	22.0
Acetone	0.141	0.092	34.8 *
Carbon Disulfide	2.662	2.222	16.5
1,1-Dichloroethene	* 1.017	0.970	4.6 *
1,1-Dichloroethane	# 1.936	1.678	13.3 #
1,2-Dichloroethene (total)	1.167	1.139	2.4
Chloroform	* 2.610	2.444	6.4 *
1,2-Dichloroethane	1.654	1.595	3.6
2-Butanone	0.057	0.049	14.0
1,1,1-Trichloroethane	0.630	0.627	0.5
Carbon Tetrachloride	0.582	0.568	2.4
Vinyl Acetate	0.356	0.201	43.5 *
Bromodichloromethane	0.654	0.639	2.3
1,2-Dichloropropane	* 0.292	0.239	18.2 *
cis-1,3-Dichloropropene	0.546	0.775	41.9 *
Trichloroethene	0.403	0.430	-6.7
Dibromochloromethane	0.596	0.631	-5.9
1,1,2-Trichloroethane	0.282	0.273	3.2
Benzene	0.738	0.625	15.3
Trans-1,3-Dichloropropene	0.499	0.177	64.5 *
Bromoform	# 0.400	0.524	31.0 #
4-Methyl-2-Pentanone	0.187	0.157	16.0
2-Hexanone	0.133	0.114	14.3
Tetrachloroethene	0.441	0.504	14.3
1,1,2,2-Tetrachloroethane	# 0.453	0.405	10.6 #
Toluene	* 0.628	0.595	5.3 *
Chlorobenzene	# 0.888	0.850	4.3 #
Ethylbenzene	* 0.422	0.437	-3.6 *
Styrene	0.866	0.908	-4.8
Total Xylenes	0.527	0.542	-2.8
Toluene-d8	1.071	1.045	2.4
BFB	0.800	0.746	6.8
1,2-Dichloroethane-d4	1.899	1.810	4.7

*Low RRF flag "X"*

*\* not a target compound*

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

VOLATILE ORGANIC ANALYSIS

EPA METHOD 8240

Client: Anson Environmental

Client Sample ID: VBLK01

Laboratory ID: V61113-B1

Date Sampled: NA

Concentration in: ug/L (ppb)

Date Analyzed: 11/13/91

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
Benzene	ND	5	ND	5
Carbon tetrachloride	ND	5	ND	5
Chlorobenzene	ND	5	ND	5
Chloroform	ND	5	ND	5
1,2-Dichloroethane	ND	5	ND	5
1,1-Dichloroethylene	ND	5	ND	5
Methylethylketone	ND	10	ND	10
Tetrachloroethylene	ND	5	ND	5
Trichloroethylene	ND	5	ND	5
Vinyl chloride	ND	10	ND	12

ND = Not detected  
NA = Not applicable

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

00 79

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

300532

CEIMIC  
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"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

VOLATILE ORGANICS TARGET ANALYTES

MATRIX SPIKE ANALYSIS SUMMARY

EPA METHOD 8240

Client: Anson Environmental

Client Sample ID: Sample #1 #2 #3MS

Laboratory ID: 910614-01MS

Date Analyzed: 11/13/91

Concentration in: ug/L (ppb)

Target Analyte	Sample Result	Spike Added	Spiked Sample Result	Percent Recovery
Benzene	ND	50	52	104 %
Carbon tetrachloride	ND	50	60	120
Chlorobenzene	ND	50	55	110
Chloroform	ND	50	56	112
1,2-Dichloroethane	ND	50	54	108
1,1-Dichloroethylene	ND	50	54	108
Methylethylketone	ND	50	55	110
Tetrachloroethylene	ND	50	53	106
Trichloroethylene	ND	50	54	108
Vinyl chloride	ND	50	42	84

This matrix spike analysis summary applies to the following samples:

Sample #1 #2 #3

Reported by: JWS

Approved by: AK

300533 83

CEIMIC  
CORPORATION

"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

VOLATILE ORGANIC ANALYSIS

EPA METHOD 8240

Client: Anson Environmental

Client Sample ID: Sample #1 #2 #3

Laboratory ID: 910614-01

Concentration in: ug/L (ppb)

Date Sampled: 11/08/91

Date TCLP performed: 11/12/91

Date Leachate Analyzed: 11/13/91

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
Benzene	ND	5	ND	5
Carbon tetrachloride	ND	5	ND	5
Chlorobenzene	ND	5	ND	5
Chloroform	ND	5	ND	5
1,2-Dichloroethane	ND	5	ND	5
1,1-Dichloroethylene	ND	5	ND	5
Methylethylketone	ND	10	ND	10
Tetrachloroethylene	ND	5	ND	5
Trichloroethylene	ND	5	ND	5
Vinyl chloride	ND	10	ND	12

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

ND = Not detected

Reported by: Pisler

Approved by: CEK

300534

CEIMIC  
CORPORATION

"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

VOLATILE ORGANIC ANALYSIS

EPA METHOD 8240

Client: Anson Environmental

Client Sample ID: TCLP Extraction  
Blank

Date Sampled: NA

Laboratory ID: VTCLP1112-B1

Date TCLP performed: 11/12/91

Concentration in: ug/L (ppb)

Date Leachate Analyzed: 11/13/91

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
Benzene	ND	5	ND	5
Carbon tetrachloride	ND	5	ND	5
Chlorobenzene	ND	5	ND	5
Chloroform	ND	5	ND	5
1,2-Dichloroethane	ND	5	ND	5
1,1-Dichloroethylene	ND	5	ND	5
Methylethylketone	ND	10	ND	10
Tetrachloroethylene	ND	5	ND	5
Trichloroethylene	ND	5	ND	5
Vinyl chloride	ND	10	ND	12

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

ND = Not detected  
NA = Not applicable

Reported by:                     PWS                    

Approved by:                     AKK                    

300535

55

4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: CEIMIC CORP Contract: ANSON  
Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
Lab File ID: F5117 Lab Sample ID: V61113-B1  
Date Analyzed: 11/13/91 Time Analyzed: 1043  
Matrix: (soil/water) WATER Level: (low/med) LOW  
Instrument ID: MS6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 SAMPLE123	910614-01	F5121	1428
02 TCLP_BLANK	VTCLP1112-B1	F5119	1220
03 SAMPLE123MS	910614-01MS	F5122	1511

COMMENTS:

300536

8A  
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP Contract: ANSON  
 b Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE123  
 Lab File ID (Standard): F5116 Date Analyzed: 11/13/91  
 Instrument ID: MSE Time Analyzed: 0940  
 Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAF

	IS1(BCM)		IS2(DFB)		IS3(CBZ)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	54300	9.30	210000	19.39	176000	24.32
UPPER LIMIT	108600		420000	*	352000	
LOWER LIMIT	27150		105000		88000	
EPA SAMPLE NO.						
01 SAMPLE123	52200	9.29	200000	19.42	187000	24.30
02 TCLF_BLANK	51000	9.30	193000	19.39	169000	24.32
03 SAMPLE123MS	48800	9.32	187000	19.39	162000	24.32
04 VBLK01	51400	9.30	191000	19.39	164000	24.32

IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk



20  
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: ANSON

Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123

EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01 SAMPLE123	86	86	84	69	124 *	126 *	0	2
02 TCLP_BLANK	76	68	63	54	75	56	0	0
03 SAMPLE123MS	66	63	62	56	98	102	0	0
04 SBLK01	71	67	68	30	61	73	0	0

QC LIMITS  
 S1 (NBZ) = Nitrobenzene-d5 ( 35-114)  
 S2 (FBP) = 2-Fluorobiphenyl ( 43-116)  
 S3 (TPH) = Terphenyl ( 33-141)  
 S4 (PHL) = Phenol-d5 ( 10-94 )  
 S5 (2FP) = 2-Fluorophenol ( 21-100)  
 S6 (TBP) = 2,4,6-Tribromophenol ( 10-123)

# Column to be used to flag recovery values  
 \* Values outside of contract required QC limits  
 D Surrogates diluted out

*No positive results, no qualification necessary*

300538

CEIMIC  
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"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANIC ANALYSIS

MATRIX SPIKE ANALYSIS SUMMARY

EPA METHOD 8270

Client: Anson Environmental

Client Sample ID: Sample #1, #2, #3 MS Laboratory ID: 910614-01MS

Date Analyzed: 11/25/91

Concentration in: ug/L (ppb)

Target Analyte	Sample Result	Spike Added	Spiked Sample Result	Percent Recovery
Pyridine	ND	100	13	13
2,4-Dinitrotoluene	ND	100	53	53
Hexachlorobenzene	ND	100	81	81
Hexachloro-1,3-butadiene	ND	100	75	75
Hexachloroethane	ND	100	53	53
Nitrobenzene	ND	100	61	61
1,4-Dichlorobenzene	ND	100	58	58
Methylphenols (total)	ND	400	210	53
Pentachlorophenol	ND	200	170	85
2,4,5-Trichlorophenol	ND	200	120	60
2,4,6-Trichlorophenol	ND	200	130	65

This matrix spike analysis summary applies to the following samples:

Reported by: *Gregory J. DeL...*

Approved by: HY

89

300539

## SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
 Lab File ID: J0901 Lab Sample ID: S1118-B1  
 Date Extracted: 11/18/91 Extraction: (SepF/Cont/Sonc) SEPF  
 Date Analyzed: 11/21/91 ✓ Time Analyzed: 1544 ✓  
 Matrix: (soil/water) WATER Level: (low/med) LOW  
 Instrument ID: MS10 ✓

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SAMPLE123	910614-01	J0942	11/25/91
02	TCLP_BLANK	STCLP1115-B1	J0918	11/23/91
03	SAMPLE123MS	910614-01MS	J0943	11/26/91

COMMENTS:

90 90  
300540

5B  
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS  
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTFP)

Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.:          SDB No.: SAMPLE123  
 Lab File ID: J0579 ✓ DFTFP Injection Date: 09/14/91 ✓  
 Instrument ID: MS10 ✓ DFTFP Injection Time: 0921 ✓

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.0 ( 0.001)
69	Mass 69 relative abundance	64.2
70	Less than 2.0% of mass 69	0.0 ( 0.001)
127	40.0 - 60.0% of mass 198	45.8
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	20.7
365	Greater than 1.00% of mass 198	1.58
441	Present, but less than mass 443	6.1
442	Greater than 40.0% of mass 198	44.9
443	17.0 - 23.0% of mass 442	8.5 ( 18.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	J0580	09/14/91	0953
02	SSTD080	J0582	09/14/91	1216
03	SSTD120	J0583	09/14/91	1315
04	SSTD020	J0584	09/14/91	1412
05	SSTD160	J0585	09/14/91	1510

300541

91

5B  
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS  
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
 Lab File ID: J0897 ✓ DFTPP Injection Date: 11/21/91  
 Instrument ID: MS10 ✓ DFTPP Injection Time: 1212 ✓

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.0 ( 0.001)
69	Mass 69 relative abundance	62.5
70	Less than 2.0% of mass 69	0.2 ( 0.301)
127	40.0 - 60.0% of mass 198	46.8
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	20.6
365	Greater than 1.00% of mass 198	2.09
441	Present, but less than mass 443	9.8
442	Greater than 40.0% of mass 198	69.8
443	17.0 - 23.0% of mass 442	13.8 ( 19.8)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD1121	J0898	11/21/91	1245
02	SBLK01	S1118-B1	J0901	11/21/91	1544

300542

92

5B  
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS  
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE123  
 Lab File ID: J0915 ✓ DFTPP Injection Date: 11/23/91 ✓  
 Instrument ID: MS10 ✓ DFTPP Injection Time: 1036 ✓

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.0 ( 0.0)1
69	Mass 69 relative abundance	62.2
70	Less than 2.0% of mass 69	0.0 ( 0.0)1
127	40.0 - 60.0% of mass 198	45.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	25.7
365	Greater than 1.00% of mass 198	2.72
441	Present, but less than mass 443	10.0
442	Greater than 40.0% of mass 198	68.1
443	17.0 - 23.0% of mass 442	12.5 ( 18.3)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 SSTD050	SSTD1123	J0916	11/23/91	1126
02 TCLP_BLANK	STCLP1115-B1	J0918	11/23/91	1323

5B  
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS  
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTFP)

Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE123  
 Lab File ID: J0931 ✓ DFTFP Injection Date: 11/24/91  
 Instrument ID: MS10 ✓ DFTFP Injection Time: 1057

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.0 ( 0.0)1
69	Mass 69 relative abundance	49.7
70	Less than 2.0% of mass 69	0.2 ( 0.4)1
127	40.0 - 60.0% of mass 198	47.2
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.6
365	Greater than 1.00% of mass 198	1.92
441	Present, but less than mass 443	6.9
442	Greater than 40.0% of mass 198	45.2
443	17.0 - 23.0% of mass 442	8.9 ( 19.7)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01: SSTD050	SSTD1124	J0932	11/24/91	1131
02: SSTD020	SSTD1124	J0933	11/24/91	1230
03: SSTD080	SSTD1124	J0934	11/24/91	1331
04: SSTD120	SSTD1124	J0935	11/24/91	1431
05: SSTD160	SSTD1124	J0936	11/24/91	1528

94

5B  
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS  
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CEIMIC CORP Contract: ANSON  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE123  
 Lab File ID: J0937 ✓ DFTPP Injection Date: 11/25/91 ✓  
 Instrument ID: MS10 ✓ DFTPP Injection Time: 1739 ✓

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.8
68	Less than 2.0% of mass 69	0.0 ( 0.0)1
69	Mass 69 relative abundance	49.1
70	Less than 2.0% of mass 69	0.3 ( 0.6)1
127	40.0 - 60.0% of mass 198	40.9
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	16.7
365	Greater than 1.00% of mass 198	1.23
441	Present, but less than mass 443	6.2
442	Greater than 40.0% of mass 198	40.7
443	17.0 - 23.0% of mass 442	7.7 ( 18.8)2

1-Value is % mass 69

2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01: SSTD050	SSTD1125	J0938	11/25/91	1821
02: SAMPLE123	910614-01	J0942	11/25/91	2303
03: SAMPLE123MS	910614-01MS	J0943	11/26/91	0009

95



8B  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP Contract: ANSON  
 Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE 123  
 Lab File ID (Standard): J0898 ✓ Date Analyzed: 11/21/91  
 Instrument ID: MS10 ✓ Time Analyzed: 1245

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	6980	10.34	35600	14.12	19900	19.62
UPPER LIMIT	13960		71200		39800	
LOWER LIMIT	3490		17800		9950	
EPA SAMPLE NO.						
01 SBLK01	4990	10.32	24600	14.09	14700	19.60

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP

Contract: ANSON

Lab Code: CEIMIC Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123

Lab File ID (Standard): JO898

Date Analyzed: 11/21/91

Instrument ID: MS10

Time Analyzed: 1245

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	43000	24.25	46000	32.64	51000	37.27
UPPER LIMIT	86000		92000		102000	
LOWER LIMIT	21500		23000		25500	
EPA SAMPLE NO.						
01 SBLK01	31000	24.22	42000	32.62	47000	37.24

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

97

88  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP

Contract: ANSON

Lab Code: CEIMIC Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123

Lab File ID (Standard): J0916 ✓

Date Analyzed: 11/23/91

Instrument ID: MS10 ✓

Time Analyzed: 1126

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	7800	10.32	31900	14.09	17000	19.59
UPPER LIMIT	15600		63800	*	34000	
LOWER LIMIT	3900		15950	*	8500	
EPA SAMPLE NO.						
01 TCLP_BLANK	11200	10.32	43100	14.07	24700	19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%

of internal standard area.

LOWER LIMIT = - 50%

of internal standard area.

# Column used to flag internal standard area values with an asterisk

98

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP

Contract: ANSON

Lab Code: CEIMIC Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123

Lab File ID (Standard): J0916 ✓

Date Analyzed: 11/23/91

Instrument ID: MS10 ✓

Time Analyzed: 1126

	IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
12 HOUR STD	36800	24.22	38700	32.62	53500	37.24
UPPER LIMIT	73600		77400		107000	
LOWER LIMIT	18400		19350		26750	
EPA SAMPLE NO.						
01 TCLP_BLANK	46000	24.20	56900	32.59	58900	37.21

IS4 (PHN) = Phenanthrene-d10  
IS5 (CRY) = Chrysene-d12  
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
of internal standard area.  
LOWER LIMIT = - 50%  
of internal standard area.

# Column used to flag internal standard area values with an asterisk

99

88  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP

Contract: ANSON

Lab Code: CEIMIC Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE123

Lab File ID (Standard): J0938 ✓

Date Analyzed: 11/25/91

Instrument ID: MS10

Time Analyzed: 1821

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	17000	10.32	73500	14.09	42100	19.59
UPPER LIMIT	34000		147000		84200	
LOWER LIMIT	8500		36750		21050	
EPA SAMPLE NO.						
01 SAMPLE123	14100	10.30	51300	14.04	32500	19.57
02 SAMPLE123MS	17600	10.29	67400	14.04	42900	19.57

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

100

8C  
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: CEIMIC CORP

Contract: ANSON

J Code: CEIMIC Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE123

Lab File ID (Standard): J0938 ✓

Date Analyzed: 11/25/91

Instrument ID: MS10 ✓

Time Analyzed: 1821

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	AREA #	RT	AREA #	RT	AREA #	RT
12 HOUR STD	78800	24.22	64300	32.62	63600	37.24
UPPER LIMIT	157600		128600		127200	
LOWER LIMIT	39400		32150		31800	
EPA SAMPLE NO.						
01 SAMPLE123	63600	24.19	61200	32.59	52200	37.17
02 SAMPLE123MS	83800	24.19	76000	32.59	66800	37.19

IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%  
 of internal standard area.  
 LOWER LIMIT = - 50%  
 of internal standard area.

# Column used to flag internal standard area values with an asterisk

101



CEIMIC  
CORPORATION

"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANIC ANALYSIS

EPA METHOD 8270

Client: Anson Environmental

Date Sampled: NA

Client Sample ID: TCLP Extraction Blank Date TCLP Performed: 11/15/91

Laboratory ID: STCLP1115-B1

Date Leachate Extracted: 11/18/91

Concentration in: mg/L (ppb)

Date Extract Analyzed: 11/23/91

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
Pyridine	ND	33	ND	250
2,4-Dinitrotoluene	ND	33	ND	62
Hexachlorobenzene	ND	33	ND	41
Hexachloro-1,3-butadiene	ND	33	ND	44
Hexachloroethane	ND	33	ND	62
Nitrobenzene	ND	33	ND	54
1,4-Dichlorobenzene	ND	33	ND	57
Methylphenols (total)	ND	33	ND	62
Pentachlorophenol	ND	160	ND	190
2,4,5-Trichlorophenol	ND	160	ND	270
2,4,6-Trichlorophenol	ND	33	ND	51

ND = Not detected

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Beggs, J.R.

Approved by: NY



6B  
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP

Contract: ANSON

Code: CEIMIC Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123

Instrument ID: MS10 ✓

Calibration Date(s): 09/14/91 ✓ 09/14/91

Min RRF for SPOC(%) = 0.050

Max %RSD for COC(\*) = 30.0%

LAB FILE ID: \_\_\_\_\_ RRF20 = J0584 412 RRF50 = J0580 0853  
 RRF80 = J0582 1216 RRF120 = J0583 1315 RRF160 = J0585 1510

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol	* 1.908	1.819	1.823	1.744	1.625	1.784	5.9*
bis(2-Chloroethyl)Ether	1.902	1.747	1.749	1.691	1.638	1.745	5.7
2-Chlorophenol	1.760	1.653	1.597	1.552	1.496	1.612	6.3
1,3-Dichlorobenzene	1.923	1.799	1.741	1.665	1.582	1.742	7.5
1,4-Dichlorobenzene	* 1.942	1.814	1.716	1.615	1.506	1.719	9.3*
Benzyl Alcohol	1.031	0.961	0.951	0.902	0.871	0.943	6.5
1,2-Dichlorobenzene	1.851	1.697	1.558	1.420	1.283	1.562	14.3
2-Methylphenol	✓ 1.511	1.374	1.347	1.271	1.179	1.336	9.2
bis(2-Chloroisopropyl)Ether	2.595	1.923	2.391	2.457	2.577	2.389	11.5
4-Methylphenol	✓ 1.494	1.323	1.203	1.036	1.066	1.224	15.5
N-Nitroso-Di-n-Propylamine	# 1.495	1.270	1.276	1.259	1.300	1.320	7.5#
Hexachloroethane	✓ 0.841	0.798	0.667	0.582	0.580	0.694	17.4
Nitrobenzene	✓ 0.537	0.499	0.471	0.452	0.456	0.483	7.3
sophorone	1.154	1.025	0.998	1.011	0.989	1.035	6.5
2-Nitrophenol	* 0.286	0.279	0.265	0.260	0.254	0.269	5.0*
2,4-Dimethylphenol	0.488	0.464	0.446	0.448	0.447	0.459	3.9
Benzoic Acid		0.230	0.260	0.275	0.272	0.259	7.9
bis(2-Chloroethoxy)Methane	0.691	0.617	0.590	0.574	0.560	0.606	8.6
2,4-Dichlorophenol	* 0.436	0.402	0.369	0.357	0.339	0.381	10.1*
1,2,4-Trichlorobenzene	0.502	0.454	0.406	0.383	0.365	0.422	13.2
Naphthalene	1.420	1.244	1.140	1.059	0.955	1.164	15.3
4-Chloroaniline	0.604	0.531	0.492	0.471	0.449	0.509	12.0
Hexachlorobutadiene	* 0.343	0.293	0.269	0.246	0.225	0.275	16.6*
4-Chloro-3-Methylphenol	* 0.503	0.452	0.443	0.430	0.416	0.449	7.4*
2-Methylnaphthalene	0.946	0.813	0.748	0.693	0.661	0.772	14.6
Hexachlorocyclopentadiene	# 0.259	0.435	0.453	0.456	0.422	0.405	20.4#
2,4,6-Trichlorophenol	* 0.625	0.589	0.563	0.548	0.507	0.566	7.8*
2,4,5-Trichlorophenol	✓	0.662	0.637	0.605	0.559	0.616	7.2
2-Chloronaphthalene	1.704	1.587	1.471	1.385	1.259	1.481	11.7
2-Nitroaniline		0.630	0.658	0.671	0.665	0.656	2.9
Dimethyl Phthalate	2.324	2.138	2.026	1.864	1.642	1.999	13.0
Acenaphthylene	2.767	2.539	2.321	2.050	1.758	2.267	17.4
2,6-Dinitrotoluene	0.500	0.511	0.507	0.505	0.481	0.501	2.3
3-Nitroaniline		0.482	0.476	0.485	0.481	0.481	0.8
Acenaphthene	* 1.726	1.561	1.456	1.391	1.263	1.479	11.8*
2,4-Dinitrophenol	#	0.280	0.316	0.353	0.360	0.327	11.3#
4-Nitrophenol	#	0.296	0.289	0.310	0.302	0.299	3.0#

110

300554

50  
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP

Contract: ANSON

Code: CEIMIC Case No.: 910814

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE123

Instrument ID: MS10

Calibration Date(s): 09/14/91

09/14/91

Min RRF for SPCC(%) = 0.050

Max %RSD for CCC(\*) = 30.0%

LAB FILE ID: RRF20 = J0584 RRF50 = J0580  
 RRF80 = J0592 RRF120 = J0583 RRF160 = J0585

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Dibenzofuran	2.546	2.311	2.183	2.068	1.898	2.201	11.2
2,4-Dinitrotoluene ✓	0.699	0.717	0.719	0.727	0.692	0.711	2.1
Diethylphthalate	2.510	2.306	2.075	1.863	1.520	2.055	18.7
4-Chlorophenyl-phenylether	1.071	0.965	0.876	0.777	0.628	0.863	19.8
Fluorene	1.857	1.686	1.552	1.472	1.341	1.582	12.5
4-Nitroaniline		0.447	0.489	0.525	0.512	0.493	6.9
4,6-Dinitro-2-Methylphenol		0.231	0.228	0.235	0.222	0.229	2.4
N-Nitrosodiphenylamine (1) *	0.741	0.655	0.574	0.521	0.436	0.585	20.2*
4-Bromophenyl-phenylether	0.394	0.336	0.314	0.294	0.272	0.322	14.5
Hexachlorobenzene ✓	0.533	0.438	0.418	0.399	0.369	0.431	14.4
Pentachlorophenol ✓ *	0.285	0.272	0.276	0.264	0.245	0.268	5.6*
Phenanthrene	1.516	1.344	1.194	1.098	1.031	1.237	15.8
Anthracene	1.477	1.349	1.180	1.089	1.008	1.221	15.7
n-Butylphthalate	2.396	2.115	1.868	1.761	1.600	1.948	16.0
Fluoranthene *	1.814	1.613	1.436	1.323	1.214	1.480	16.1*
Pyrene	1.630	1.686	1.671	1.908	2.060	1.791	10.4
Butylbenzylphthalate	0.964	1.014	1.016	1.132	1.211	1.067	9.5
3,3'-Dichlorobenzidine	0.466	0.470	0.466	0.454	0.424	0.456	4.1
Benzo(a)Anthracene	1.615	1.628	1.588	1.669	1.656	1.631	2.0
Chrysene	1.432	1.418	1.448	1.624	1.753	1.535	9.6
bis(2-Ethylhexyl)Phthalate	1.425	1.487	1.452	1.595	1.642	1.520	6.2
Di-n-Octyl Phthalate *	2.352	2.338	2.036	1.895	1.780	2.080	12.4*
Benzo(b)Fluoranthene	1.620	1.448	1.422	1.752	1.608	1.570	8.7
Benzo(k)Fluoranthene	1.427	1.389	0.974	0.691	0.665	1.029	35.6
Benzo(a)Pyrene *	1.347	1.301	1.191	1.157	1.101	1.219	19.4*
Indeno(1,2,3-cd)Pyrene	1.144	1.173	1.150	1.320	1.171	1.192	5.1
Dibenz(a,h)Anthracene	0.989	1.021	0.979	0.967	0.930	0.977	3.4
Benzo(g,h,i)Perylene	1.184	1.182	1.146	1.133	1.089	1.147	3.4
Nitrobenzene-d5	0.541	0.516	0.493	0.491	0.482	0.505	4.7
2-Fluorobiphenyl	1.966	1.797	1.652	1.538	1.402	1.671	13.2
Terphenyl-d14	1.117	1.066	1.066	1.163	1.156	1.114	4.2
Phenol-d5	2.284	2.115	2.086	2.016	1.958	2.092	5.9
2-Fluorophenyl	1.457	1.443	1.408	1.400	1.376	1.417	2.3
2,4,6-Tribromophenol	0.522	0.454	0.507	0.516	0.465	0.493	6.3

(1) Cannot be separated from Diphenylamine

*not a target compound*

111

300555

Operator ID: BNA9  
 Output File: J0580:QT  
 Data File: J0580:D5  
 Name: SSTD050  
 Misc: ID#MS10, BNA STD, SW910729W, 50 NG, CASE#

Quant Rev: 7  
 Quant Time: 910914 10:45  
 Injected at: 910914 09:53  
 Dilution Factor: 1.00000  
 Instrument ID: CEIMIC10  
 BTL# 1

*50ppb  
 Initial Calibration*

ID File: BNAI10:SC  
 Title: SEMIVOLATILE ORGANICS, 40(3)-290(10)/8 30 M DB5 ID=MS1  
 Last Calibration: 910111 14:46  
 Last Qcal Time: 910909 23:09

*Pyridine elutes at approx. 4.2 minutes; not chromatogram, either. Apparently, no initial calibration in pyridine*

Compound	R.T.	Q Ion	Area	Conc	Units	q
1) *CI30 d4-1,4-Dichlorobenzene	10.63	152.0	11431	40.00	UG/L	9
2) CS50 2-Fluorophenol	7.39	112.0	20560	59.20	UG/L	9
3) CS45 Phenol-d5	9.92	99.0	30138	61.09	UG/L	9
4) C315 Phenol	9.96	94.0	25921	58.51	UG/L	4
5) C325 bis(-2-Chloroethyl)Ether	10.09	93.0	24901	63.82	UG/L	3
6) C330 2-Chlorophenol	10.14	128.0	23560	56.65	UG/L	9
7) C335 1,3-Dichlorobenzene	10.51	146.0	25640	52.15	UG/L	9
8) C340 1,4-Dichlorobenzene	10.68	146.0	25846	52.84	UG/L	9
9) C345 Benzyl Alcohol	11.17	108.0	13689	60.14	UG/L	9
10) C350 1,2-Dichlorobenzene	11.18	146.0	24181	52.47	UG/L	9
11) C355 2-Methylphenol	11.61	108.0	19583	58.41	UG/L	9
12) C360 bis(2-Chloroisopropyl)eth	11.66	45.0	27400	66.65	UG/L	5
13) C365 4-Methylphenol	12.07	108.0	18854	58.28	UG/L	9
14) C370 N-Nitroso-Di-n-propylamin	12.07	70.0	18102	73.26	UG/L	9
15) C375 Hexachloroethane	12.10	117.0	11365	59.32	UG/L	8
16) *CI40 d8-Naphthalene	14.41	136.0	39491	40.00	UG/L	9
17) CS20 Nitrobenzene-d5	12.31	82.0	25473	69.22	UG/L	8
18) C410 Nitrobenzene	12.36	77.0	24647	70.13	UG/L	8
19) C415 Isophorone	13.12	82.0	50619	66.95	UG/L	8
20) C420 2-Nitrophenol	13.33	139.0	13778	53.47	UG/L	9
21) C425 2,4-Dimethylphenol	13.62	107.0	22886	61.05	UG/L	9
22) C430 Benzoic Acid	14.21	122.0	11360	50.07	UG/L	9
23) C435 bis(-2-Chloroethoxy)Metha	13.90	93.0	30484	63.05	UG/L	9
24) C440 2,4-Dichlorophenol	14.08	162.0	19853	49.68	UG/L	9
25) C445 1,2,4-Trichlorobenzene	14.31	180.0	22405	51.01	UG/L	9
26) C450 Naphthalene	14.48	128.0	61400	54.00	UG/L	9
27) C455 4-Chloroaniline	14.75	127.0	26208	57.11	UG/L	9
28) C460 Hexachlorobutadiene	15.13	225.0	14460	60.31	UG/L	8
29) C465 4-Chloro-3-methylphenol	16.39	107.0	22300	59.62	UG/L	9
30) C470 2-Methylnaphthalene	16.64	142.0	40121	50.76	UG/L	9
31) *CI50 D10-Acenaphthene	19.96	164.0	20441	40.00	UG/L	9
32) C510 Hexachlorocyclopentadiene	17.40	237.0	11089	81.08	UG/L	9
33) C515 2,4,6-Trichlorophenol	17.65	196.0	15007	55.61	UG/L	9
34) C520 2,4,5-Trichlorophenol	17.76	196.0	16876	54.57	UG/L	9
35) C525 2-Chloronaphthalene	18.14	162.0	40461	54.14	UG/L	9
36) CS25 2-Fluorobiphenyl	17.93	172.0	45813	53.87	UG/L	9
37) CS55 2,4,6-Tribromophenol	22.46	330.0	11589	114.50	UG/L	9
38) C530 2-Nitroaniline	18.60	65.0	16062	83.30	UG/L	9
39) C535 Dimethyl Phthalate	19.40	163.0	54531	54.82	UG/L	8
40) C540 Acenaphthylene	19.45	152.0	64753	54.20	UG/L	9

6B  
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP

Contract: ANSON

b Code: CEIMIC

Case No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123

Instrument ID: MS10 ✓

Calibration Date(s): 11/24/91 ✓ 11/24/91

Min RRF for SPCC(#) = 0.050

Max %RSD for CCC(\*) = 30.0%

LAB FILE ID: \_\_\_\_\_ RRF20 = J0933 1230 RRF50 = J0932 1131  
 RRF80 = J0934 1331 RRF120 = J0935 1431 RRF160 = J0936 1526

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol	* 1.655	1.810	1.675	1.615	1.494	1.650	6.9*
bis(2-Chloroethyl)Ether	1.498	1.612	1.542	1.507	1.415	1.515	4.7
2-Chlorophenol	1.405	1.536	1.464	1.453	1.363	1.444	4.5
1,3-Dichlorobenzene	1.604	1.703	1.620	1.595	1.468	1.593	5.3
1,4-Dichlorobenzene	* 1.605	1.718	1.608	1.575	1.421	1.585	6.7*
Benzyl Alcohol	0.693	0.822	0.786	0.775	0.742	0.764	6.4
1,2-Dichlorobenzene	1.600	1.656	1.529	1.465	1.309	1.512	9.9
2-Methylphenol	1.256	1.373	1.253	1.208	1.094	1.237	8.1
bis(2-Chloroisopropyl)Ether	1.334	1.471	1.400	1.355	1.405	1.393	3.8
4-Methylphenol	1.273	1.360	1.214	1.174	1.080	1.220	8.6
N-Nitroso-Di-n-Propylamine	# 0.906	0.987	0.875	0.825	0.793	0.877	8.6#
Hexachloroethane	0.697	0.703	0.614	0.598	0.574	0.637	9.3
Nitrobenzene	0.362	0.396	0.360	0.350	0.342	0.362	5.7
sophorone	0.751	0.828	0.772	0.783	0.782	0.783	3.6
2-Nitrophenol	* 0.219	0.251	0.240	0.238	0.229	0.235	5.1*
2,4-Dimethylphenol	0.346	0.386	0.358	0.353	0.340	0.357	5.0
Benzoic Acid		0.234	0.231	0.240	0.242	0.237	2.2
bis(2-Chloroethoxy)Methane	0.483	0.522	0.484	0.473	0.455	0.483	5.1
2,4-Dichlorophenol	* 0.309	0.334	0.321	0.320	0.300	0.317	4.1*
1,2,4-Trichlorobenzene	0.324	0.338	0.327	0.327	0.314	0.326	2.6
Naphthalene	1.085	1.130	1.039	0.977	0.884	1.023	9.4
4-Chloroaniline	0.426	0.487	0.467	0.463	0.438	0.455	5.3
Hexachlorobutadiene	* 0.141	0.148	0.151	0.151	0.148	0.148	2.6*
4-Chloro-3-Methylphenol	* 0.323	0.366	0.343	0.338	0.324	0.339	5.2*
2-Methylnaphthalene	0.695	0.722	0.669	0.649	0.600	0.667	7.0
Hexachlorocyclopentadiene	# 0.184	0.255	0.275	0.300	0.303	0.263	18.4#
2,4,6-Trichlorophenol	* 0.360	0.400	0.397	0.402	0.385	0.389	4.5*
2,4,5-Trichlorophenol		0.478	0.462	0.477	0.453	0.468	2.6
2-Chloronaphthalene	1.275	1.380	1.301	1.260	1.176	1.278	5.8
2-Nitroaniline		0.429	0.408	0.403	0.392	0.408	3.8
Dimethyl Phthalate	1.494	1.692	1.593	1.513	1.366	1.532	7.9
Acenaphthylene	2.217	2.404	2.184	2.014	1.721	2.108	12.2
2,6-Dinitrotoluene	0.402	0.465	0.457	0.462	0.440	0.445	5.8
3-Nitroaniline		0.462	0.452	0.485	0.459	0.464	3.1
Acenaphthene	* 1.334	1.434	1.324	1.274	1.149	1.303	8.0*
2,4-Dinitrophenol	#	0.227	0.255	0.287	0.297	0.266	12.0#
4-Nitrophenol	#	0.164	0.164	0.169	0.163	0.165	1.6#

60  
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CEIMIC CORP

Contract: ANSON

Code: CEIMIC Case No.: 910614

SAS No.:           

SDG No.: SAMPLE123

Instrument ID: MS10

Calibration Date(s): 11/24/91 11/24/91

Min RRF for SPOC(#) = 0.050

Max %RSD for COC(\*) = 30.0%

LAB FILE ID: RRF20 = J0933 RRF50 = J0932  
 RRF80 = J0934 RRF120 = J0935 RRF160 = J0936

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Dibenzofuran	1.800	1.991	1.892	1.824	1.699	1.841	5.9
2,4-Dinitrotoluene	0.525	0.617	0.604	0.615	0.589	0.590	6.4
Diethylphthalate	1.620	1.798	1.642	1.551	1.356	1.593	10.1
4-Chlorophenyl-phenylether	0.579	0.653	0.631	0.622	0.570	0.611	5.8
Fluorene	1.451	1.575	1.457	1.419	1.304	1.441	6.7
4-Nitroaniline		0.515	0.501	0.518	0.509	0.511	1.5
4,6-Dinitro-2-Methylphenol		0.184	0.185	0.200	0.199	0.192	4.5
N-Nitrosodiphenylamine (1)*	0.586	0.632	0.582	0.555	0.484	0.568	9.6*
4-Bromophenyl-phenylether	0.170	0.188	0.185	0.190	0.187	0.184	4.4
Hexachlorobenzene	0.177	0.194	0.188	0.194	0.196	0.190	4.1
Pentachlorophenol	* 0.098	0.132	0.133	0.139	0.140	0.128	13.6*
Phenanthrene	1.221	1.300	1.182	1.151	1.057	1.182	7.6
Anthracene	1.246	1.351	1.226	1.183	1.081	1.217	8.1
Di-n-Butylphthalate	1.760	1.955	1.757	1.668	1.496	1.727	9.6
Fluoranthene	* 1.189	1.306	1.216	1.194	1.105	1.202	6.0*
Pyrene	1.508	1.666	1.623	1.697	1.769	1.653	5.9
Butylbenzylphthalate	0.863	1.062	1.009	1.042	1.054	1.006	8.2
3,3'-Dichlorobenzidine	0.281	0.380	0.367	0.393	0.402	0.365	13.3
Benzo(a)Anthracene	1.237	1.407	1.405	1.499	1.499	1.409	7.6
Chrysene	1.294	1.426	1.353	1.354	1.465	1.378	4.9
bis(2-Ethylhexyl)Phthalate	1.329	1.621	1.513	1.475	1.492	1.486	7.0
Di-n-Octyl Phthalate	* 2.500	3.081	2.997	2.755	2.468	2.760	10.1*
Benzo(b)Fluoranthene	1.193	1.375	1.382	1.502	1.454	1.381	8.5
Benzo(k)Fluoranthene	1.234	1.315	1.254	1.047	0.992	1.168	12.0
Benzo(a)Pyrene	* 1.109	1.284	1.239	1.215	1.171	1.204	5.6*
Indeno(1,2,3-cd)Pyrene	0.960	1.009	1.051	1.091	1.065	1.035	5.0
Dibenz(a,h)Anthracene	0.792	0.979	0.997	1.010	0.954	0.946	9.4
Benzo(g,h,i)Perylene	0.833	0.998	1.028	1.050	0.992	0.980	9.7
Nitrobenzene-d5	0.324	0.372	0.349	0.347	0.334	0.345	5.2
2-Fluorobiphenyl	1.311	1.416	1.334	1.296	1.198	1.311	6.0
Terphenyl-d14	0.815	0.891	0.887	0.941	0.974	0.902	6.7
Phenol-d5	1.488	1.654	1.525	1.505	1.396	1.514	6.1
2-Fluorophenyl	1.098	1.264	1.198	1.189	1.032	1.156	7.9
2,4,6-Tribromophenol	0.103	0.126	0.132	0.139	0.147	0.129	13.0

(1) Cannot be separated from Diphenylamine

131

300558

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORPContract: ANSONCode: CEIMICCase No.: 910614

SAS No.: \_\_\_\_\_

SDS No.: SAMPLE123Instrument ID: MS10 ✓Calibration date: 11/21/91 ✓ Time: 1245 ✓Lab File ID: J0898 ✓Init. Calib. Date(s): 09/14/91 09/14/91

Min RRF50 for SPCC(%) = 0.050

Max %D for CDD(\*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol	1.784	2.186	-22.5 *
bis(2-Chloroethyl)Ether	1.745	2.038	-16.8
2-Chlorophenol	1.612	1.638	-1.6
1,3-Dichlorobenzene	1.742	1.771	-1.7
1,4-Dichlorobenzene	1.719	1.818	-5.8 *
Benzyl Alcohol	0.943	0.995	-5.5
1,2-Dichlorobenzene	1.562	1.768	-13.2
2-Methylphenol	1.336	1.767	-32.3
bis(2-Chloroisopropyl)Ether	2.389	1.845	22.8
4-Methylphenol	1.224	1.814	-48.2
N-Nitroso-Di-n-Propylamine	1.320	1.410	-6.8 #
Hexachloroethane	0.694	0.929	-93.3
Nitrobenzene	0.483	0.448	7.7
Isophorone	1.035	0.928	10.3
2-Nitrophenol	0.269	0.255	5.2 *
2,4-Dimethylphenol	0.459	0.379	17.4
Benzoic Acid	0.259	0.154	40.5 *
bis(2-Chloroethoxy)Methane	0.606	0.625	-3.1
2,4-Dichlorophenol	0.381	0.371	2.6 *
1,2,4-Trichlorobenzene	0.422	0.393	6.9
Naphthalene	1.164	1.246	-7.0
4-Chloroaniline	0.509	0.465	8.6
Hexachlorobutadiene	0.275	0.222	19.3 *
4-Chloro-3-Methylphenol	0.449	0.430	4.2 *
2-Methylnaphthalene	0.772	0.836	-8.3
Hexachlorocyclopentadiene	0.405	0.235	42.0 #
2,4,6-Trichlorophenol	0.566	0.516	8.8 *
2,4,5-Trichlorophenol	0.616	0.633	-2.8
2-Chloronaphthalene	1.481	1.473	0.5
2-Nitroaniline	0.656	0.533	18.8
Dimethyl Phthalate	1.999	1.932	3.4
Acenaphthylene	2.287	2.414	-5.6
2,6-Dinitrotoluene	0.501	0.535	-6.8
3-Nitroaniline	0.481	0.525	-9.1
Acenaphthene	1.479	1.489	-0.7 *
2,4-Dinitrophenol	0.327	0.252	22.9 #
4-Nitrophenol	0.299	0.252	15.7 #

pyridine

— 0.539 — (based on 50ppm)

\* - not a target compound

147

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORPContract: ANSONCode: CEIMICCase No.: 910614

SAS No.:

SDG No.: SAMPLE 123Instrument ID: MS10 ✓Calibration date: 11/23/91 ✓ Time: 1126 ✓Lab File ID: J0916 ✓Init. Calib. Date(s): 09/14/91 09/14/91

Min RRF50 for SPCC(%) = 0.050

Max %D for CCC(\*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol	* 1.784	2.216	-24.2 *
bis(2-Chloroethyl)Ether	1.745	2.020	-15.8
2-Chlorophenol	1.612	1.693	-5.0
1,3-Dichlorobenzene	1.742	1.800	-3.3
1,4-Dichlorobenzene	* 1.719	1.788	-4.0 *
Benzyl Alcohol	0.943	0.962	-2.0
1,2-Dichlorobenzene	1.562	1.658	-6.1
2-Methylphenol	1.336	1.603	-20.0
bis(2-Chloroisopropyl)Ether	2.389	2.334	2.3
4-Methylphenol	1.224	1.591	-30.2
N-Nitroso-Di-n-Propylamine	# 1.320	1.368	-3.6 #
Hexachloroethane	0.694	0.766	-10.4
Nitrobenzene	0.483	0.486	-0.6
Isophorone	1.035	0.986	4.7
2-Nitrophenol	* 0.269	0.255	5.2 *
2,4-Dimethylphenol	0.459	0.427	7.0
Benzoic Acid	0.259	0.234	9.7
bis(2-Chloroethoxy)Methane	0.606	0.609	-0.5
2,4-Dichlorophenol	* 0.381	0.375	1.6 *
1,2,4-Trichlorobenzene	0.422	0.399	5.4
Naphthalene	1.164	1.227	-5.4
4-Chloroaniline	0.509	0.477	6.3
Hexachlorobutadiene	* 0.275	0.253	8.0 *
4-Chloro-3-Methylphenol	* 0.449	0.455	-1.3 *
2-Methylnaphthalene	0.772	0.808	-4.7
Hexachlorocyclopentadiene	# 0.405	0.269	33.6 #
2,4,6-Trichlorophenol	* 0.566	0.542	4.2 *
2,4,5-Trichlorophenol	0.616	0.651	-5.7
2-Chloronaphthalene	1.481	1.486	-0.3
2-Nitroaniline	0.656	0.609	7.2
Dimethyl Phthalate	1.999	1.963	1.8
Acenaphthylene	2.287	2.427	-6.1
2,6-Dinitrotoluene	0.501	0.511	-2.0
3-Nitroaniline	0.481	0.510	-6.0
Acenaphthene	* 1.479	1.525	-3.1 *
2,4-Dinitrophenol	# 0.327	0.331	-1.2 #
4-Nitrophenol	# 0.299	0.264	11.7 #

pyridine

— 1.101 —

— (based on 50ppb standard)

149

70  
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: ANSON  
 Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE123  
 Instrument ID: MS10 Calibration date: 11/23/91 Time: 1126  
 Lab File ID: J0916 Init. Calib. Date(s): 09/14/91 09/14/91  
 Min RRF50 for SPOC(%) = 0.050 Max %D for COC(\*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	2.201	2.347	-6.6
2,4-Dinitrotoluene	0.711	0.731	-2.8
Diethylphthalate	2.055	2.178	-6.0
4-Chlorophenyl-phenylether	0.863	0.950	-10.1
Fluorene	1.582	1.716	-8.5
4-Nitroaniline	0.493	0.594	-20.5
4,6-Dinitro-2-Methylphenol	0.229	0.229	0.0
N-Nitrosodiphenylamine (1) *	0.585	0.577	1.4 *
4-Bromophenyl-phenylether	0.322	0.330	-2.5
Hexachlorobenzene	0.431	0.423	1.9
Pentachlorophenol *	0.268	0.290	-8.2 *
Phenanthrene	1.237	1.238	-0.1
Anthracene	1.221	1.224	-0.2
Di-n-Butylphthalate	1.948	1.930	0.9
Fluoranthene *	1.480	1.604	-8.4 *
Pyrene	1.791	1.526	14.8
Butylbenzylphthalate	1.067	0.717	32.8 *
3,3'-Dichlorobenzidine	0.456	0.467	-2.4
Benzo(a)Anthracene	1.631	1.544	5.3
Chrysene	1.535	1.542	-0.5
bis(2-Ethylhexyl)Phthalate	1.520	1.205	20.7
Di-n-Octyl Phthalate *	2.080	1.640	21.2 *
Benzo(b)Fluoranthene	1.570	1.456	7.3
Benzo(k)Fluoranthene	1.029	1.290	-25.4 *
Benzo(a)Pyrene *	1.219	1.278	-4.8 *
Indeno(1,2,3-cd)Pyrene	1.192	1.423	-19.4
Dibenz(a,h)Anthracene	0.977	1.235	-26.4 *
Benzo(g,h,i)Perylene	1.147	1.410	-22.9
Nitrobenzene-d5	0.505	0.483	4.4
2-Fluorobiphenyl	1.671	1.650	1.3
Terphenyl-d14	1.114	1.017	8.7
Phenol-d5	2.092	2.487	-18.9
2-Fluorophenyl	1.417	1.556	-9.8
2,4,6-Tribromophenol	0.493	0.568	-15.2

(1) Cannot be separated from Diphenylamine

\* - not a target compound

150

300561



Operator ID: BNA9  
 Output File: ^J0916::D2  
 ta File: >J0916::D8  
 .me: SSTD050

Quant Rev: 7 Quant Time: 911123 12:11  
 Injected at: 911123 11:26  
 Dilution Factor: 1.00000  
 Instrument ID: CEIMIC10

Misc: ID#MS10, BNA STD, SW910729W#9, 50 NG, CASE# BTL# 1

ID File: BNAIY::SC

Title: SEMIVOLATILE ORGANICS, 40(3)-290(10)/8 30 M DB5 ID=MS1

Last Calibration: 910111 14:46

Last Qcal Time: 911121 12:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*CI30 d4-1,4-Dichlorobenzene	10.32	152.0	7800	40.00	UG/L	96
2)	D002 Pyridine	4.16	79.0	10739	102.14	UG/L	78
3)	CS50 2-Fluorophenol	7.15	112.0	15167	77.48	UG/L	90
4)	CS45 Phenol-d5	9.66	99.0	24248	51.35	UG/L	89
5)	C315 Phenol	9.70	94.0	21602M	50.67	UG/L	68
6)	C325 bis(-2-Chloroethyl)Ether	9.76	93.0	19691	49.57	UG/L	39
7)	C330 2-Chlorophenol	9.84	128.0	16508	51.70	UG/L	98
8)	C335 1,3-Dichlorobenzene	10.20	146.0	17552	50.84	UG/L	98
9)	C340 1,4-Dichlorobenzene	10.37	146.0	17433	49.19	UG/L	98
10)	C345 Benzyl Alcohol	10.86	108.0	9375	48.32	UG/L	85
11)	C350 1,2-Dichlorobenzene	10.87	146.0	16163	46.89	UG/L	99
12)	C355 2-Methylphenol	11.33	108.0	15626	45.36	UG/L	96
13)	C360 bis(2-Chloroisopropyl)eth	11.33	45.0	22757	63.26	UG/L	85
14)	C365 4-Methylphenol	11.77	108.0	15546	43.96	UG/L	97
15)	C370 N-Nitroso-Di-n-propylamin	11.76	70.0	13337	48.51	UG/L	84
16)	C375 Hexachloroethane	11.76	117.0	7466	41.24	UG/L	82
17)	*CI40 d8-Naphthalene	14.08	136.0	31858	40.00	UG/L	89
18)	CS20 Nitrobenzene-d5	11.99	82.0	19247	50.38	UG/L	81
19)	C410 Nitrobenzene	12.05	77.0	19364	54.45	UG/L	84
20)	C415 Isophorone -	12.80	82.0	39298	53.13	UG/L	92
21)	C420 2-Nitrophenol	13.00	139.0	10155	49.87	UG/L	91
22)	C425 2,4-Dimethylphenol	13.33	107.0	17046	56.46	UG/L	98
23)	C430 Benzoic Acid	13.97	122.0	9345	76.08	UG/L	95
24)	C435 bis(-2-Chloroethoxy)Metha	13.57	93.0	24273	48.68	UG/L	86
25)	C440 2,4-Dichlorophenol	13.79	162.0	14963	50.57	UG/L	94
26)	C445 1,2,4-Trichlorobenzene	13.98	180.0	15921	50.78	UG/L	96
27)	C450 Naphthalene	14.13	128.0	48925	49.27	UG/L	99
28)	C455 4-Chloroaniline	14.44	127.0	19023	51.36	UG/L	96
29)	C460 Hexachlorobutadiene	14.78	225.0	10071	57.02	UG/L	82
30)	C465 4-Chloro-3-methylphenol	16.09	107.0	18148	52.99	UG/L	98
31)	C470 2-Methylnaphthalene	16.29	142.0	32219	48.32	UG/L	92
32)	*CI50 D10-Acenaphthene	19.59	164.0	16976	40.00	UG/L	93
33)	C510 Hexachlorocyclopentadiene	17.06	237.0	5708	57.20	UG/L	98
34)	C515 2,4,6-Trichlorophenol	17.32	196.0	11522	52.62	UG/L	94
35)	C520 2,4,5-Trichlorophenol	17.45	196.0	13831	51.47	UG/L	95
36)	C525 2-Chloronaphthalene	17.79	162.0	31588	50.51	UG/L	96
37)	CS25 2-Fluorobiphenyl	17.58	172.0	35054	50.97	UG/L	94
38)	CS55 2,4,6-Tribromophenol	22.11	330.0	12061	74.41	UG/L	98
39)	C530 2-Nitroaniline	18.28	65.0	12936	57.20	UG/L	96
0)	C535 Dimethyl Phthalate	19.05	163.0	41708	50.85	UG/L	77

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORPContract: ANSONCode: CEIMICCase No.: 910614

SAS No.: \_\_\_\_\_

SDG No.: SAMPLE 123Instrument ID: MS10Calibration date: 11/25/91 Time: 1821 ✓Lab File ID: J0938 ✓Init. Calib. Date(s): 11/24/91 11/24/91

Min RRF50 for SPOC(%) = 0.050

Max %D for COC(\*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol	1.650	1.681	-1.9 *
bis(2-Chloroethyl)Ether	1.515	1.571	-3.7
2-Chlorophenol	1.444	1.442	0.1
1,3-Dichlorobenzene	1.598	1.631	-2.1
1,4-Dichlorobenzene	1.585	1.651	-4.2 *
Benzyl Alcohol	0.764	0.823	-7.7
1,2-Dichlorobenzene	1.512	1.597	-5.6
2-Methylphenol	1.237	1.352	-9.3
bis(2-Chloroisopropyl)Ether	1.393	1.385	0.6
4-Methylphenol	1.220	1.295	-6.1
N-Nitroso-Di-n-Propylamine	0.877	0.963	-9.8 #
Hexachloroethane	0.637	0.666	-4.6
Nitrobenzene	0.362	0.354	2.2
Isophorone	0.783	0.820	-4.7
2-Nitrophenol	0.235	0.244	-3.8 *
2,4-Dimethylphenol	0.357	0.364	-2.0
Benzoic Acid	0.237	0.215	9.3
bis(2-Chloroethoxy)Methane	0.483	0.507	-5.0
2,4-Dichlorophenol	0.317	0.334	-5.4 *
1,2,4-Trichlorobenzene	0.326	0.340	-4.3
Naphthalene	1.023	1.059	-3.5
4-Chloroaniline	0.456	0.470	-3.1
Hexachlorobutadiene	0.148	0.152	-2.7 *
4-Chloro-3-Methylphenol	0.339	0.368	-8.6 *
2-Methylnaphthalene	0.667	0.721	-8.1
Hexachlorocyclopentadiene	0.263	0.221	16.0 #
2,4,6-Trichlorophenol	0.389	0.392	-0.8 *
2,4,5-Trichlorophenol	0.468	0.461	1.5
2-Chloronaphthalene	1.278	1.287	-0.7
2-Nitroaniline	0.408	0.396	2.9
Dimethyl Phthalate	1.532	1.628	-6.3
Acenaphthylene	2.108	2.174	-3.1
2,6-Dinitrotoluene	0.445	0.476	-7.0
3-Nitroaniline	0.464	0.453	2.4
Acenaphthene	1.303	1.319	-1.2 *
2,4-Dinitrophenol	0.266	0.171	35.7 #
4-Nitrophenol	0.165	0.164	0.6 #

*pyridine**0.306**not a target compound***151**

70  
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CEIMIC CORP Contract: ANSON  
 Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE123  
 Instrument ID: MS10 Calibration date: 11/25/91 Time: 1821  
 Lab File ID: J0938 Init. Calib. Date(s): 11/24/91 11/24/91  
 Min RRF50 for SPCC(%) = 0.050 Max %D for CCC(\*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.841	1.910	-3.7
2,4-Dinitrotoluene	0.590	0.640	-8.5
Diethylphthalate	1.593	1.766	-10.9
4-Chlorophenyl-phenylether	0.611	0.663	-8.5
Fluorene	1.441	1.500	-4.1
4-Nitroaniline	0.511	0.494	3.3
4,6-Dinitro-2-Methylphenol	0.192	0.156	18.8
N-Nitrosodiphenylamine (1) *	0.568	0.571	-0.5 *
4-Bromophenyl-phenylether	0.184	0.179	2.7
Hexachlorobenzene	0.190	0.180	5.3
Pentachlorophenol *	0.128	0.127	0.8 *
Phenanthrene	1.182	1.198	-1.4
Anthracene	1.217	1.240	-1.9
Di-n-Butylphthalate	1.727	1.882	-9.0
Fluoranthene *	1.202	1.274	-6.0 *
Pyrene	1.653	1.653	0.0
Butylbenzylphthalate	1.006	1.065	-5.9
3,3'-Dichlorobenzidine	0.365	0.393	-7.7
Benzo(a)Anthracene	1.409	1.461	-3.7
Chrysene	1.378	1.365	0.9
bis(2-Ethylhexyl)Phthalate	1.486	1.636	-10.1
Di-n-Octyl Phthalate *	2.760	3.020	-9.4 *
Benzo(b)Fluoranthene	1.381	1.360	1.5
Benzo(k)Fluoranthene	1.168	1.196	-2.4
Benzo(a)Pyrene *	1.204	1.208	-0.3 *
Indeno(1,2,3-cd)Pyrene	1.035	0.945	8.7
Dibenz(a,h)Anthracene	0.946	0.903	4.5
Benzo(g,h,i)Perylene	0.980	0.919	6.2
Nitrobenzene-d5	0.345	0.347	-0.6
2-Fluorobiphenyl	1.311	1.319	-0.6
Terphenyl-d14	0.902	0.899	0.3
Phenol-d5	1.514	1.546	-2.1
2-Fluorophenyl	1.156	0.787	31.9
2,4,6-Tribromophenol	0.129	0.128	0.8

(1) Cannot be separated from Diphenylamine

152

300564

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANIC ANALYSIS

EPA METHOD 8270

Client: Anson Environmental

Client Sample ID: SBLK01

Laboratory ID: S1118-B1

Concentration in: ug/L (ppb)

Date Sampled: NA

Date Extracted: 11/18/91

Date Extract Analyzed: 11/21/91

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
Pyridine	ND	33	ND	250
2,4-Dinitrotoluene	ND	33	ND	62
Hexachlorobenzene	ND	33	ND	41
Hexachloro-1,3-butadiene	ND	33	ND	44
Hexachloroethane	ND	33	ND	62
Nitrobenzene	ND	33	ND	54
1,4-Dichlorobenzene	ND	33	ND	57
Methylphenols (total)	ND	33	ND	62
Pentachlorophenol	ND	160	ND	190
2,4,5-Trichlorophenol	ND	160	ND	270
2,4,6-Trichlorophenol	ND	33	ND	51

ND = Not detected  
 NA = Not applicable

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

184  
 300565

CEIMIC  
CORPORATION

"Analytical Chemistry for Environmental Management"

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANIC ANALYSIS

MATRIX SPIKE ANALYSIS SUMMARY

EPA METHOD 8270

Client: Anson Environmental

Client Sample ID: Sample #1, #2, #3 MS Laboratory ID: 910614-01MS

Date Analyzed: 11/25/91

Concentration in: ug/L (ppb)

Target Analyte	Sample Result	Spike Added	Spiked Sample Result	Percent Recovery
Pyridine	ND	100	13	13
2,4-Dinitrotoluene	ND	100	53	53
Hexachlorobenzene	ND	100	81	81
Hexachloro-1,3-butadiene	ND	100	75	75
Hexachloroethane	ND	100	53	53
Nitrobenzene	ND	100	61	61
1,4-Dichlorobenzene	ND	100	58	58
Methylphenols (total)	ND	400	210	53
Pentachlorophenol	ND	200	170	85
2,4,5-Trichlorophenol	ND	200	120	60
2,4,6-Trichlorophenol	ND	200	130	65

This matrix spike analysis summary applies to the following samples:

Reported by: *Gregory Decker*

Approved by: HY

187

LE  
WATER PESTICIDE SURROGATE RECOVERY

Lab Name CEIMIC CORP Contract \_\_\_\_\_  
Lab Code CEIMIC Case No. 910614 SAS No. \_\_\_\_\_ SDG No. SAMPLE

EPA SAMPLE NO.	S1 (DBC)#	OTHER
01 SAMPLE123	66	0
02 SAMPLE123MS	82	0
03 PBLK01	76	0

✓  
ADVISORY  
QC LIMITS  
( 24-154)  
S1 (DBC) Dibutylchloroendate  
# Column to be used to flag recovery values  
\* Values outside of contract required QC limits  
D Surrogates diluted out

3E  
LABORATORY CONTROL SPIKE RECOVERY

Name CEIMIC CORP Contract \_\_\_\_\_  
 Lab Code CEIMIC Case No. 910614 SAS No. \_\_\_\_\_ SDG No. SAMPLE  
 Matrix Spike - EPA Sample No. 1118-LCS1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	PERCENT RECOVERY	MS	QC
gamma-BHC (Lindane)_____	0.200	0	77		
Heptachlor_____	0.200	0	81		
Heptachlor Epoxide_____	0.200	0	86		
Endrin_____	0.500	0	87		
Methoxychlor_____	1.000	0	78		

191  
300568

3E  
WATER PESTICIDE MATRIX SPIKE RECOVERY

Name CEIMIC CORP Contract \_\_\_\_\_  
 Lab Code CEIMIC Case No. 910614 SAS No. \_\_\_\_\_ SDG No. SAMPLE  
 Matrix Spike - EPA Sample No. SAMPLE123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)_____	0.200	0	0.147	74	56-125
Heptachlor_____	0.200	0	0.165	82	40-171
Heptachlor Epoxide_____	0.200	0	0.171	85	40-120
Endrin_____	0.500	0	0.431	86	52-126
Methoxychlor_____	1.000	0	0.766	77	56-121

\* Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD 0 out of 5 outside limits  
 Spike Recovery 0 out of 5 outside limits

COMMENTS



4C  
PESTICIDE METHOD BLANK SUMMARY

Lab Name CEIMIC CORP Contract \_\_\_\_\_  
 Lab Code CEIMIC Case No. 910614 SAS No. \_\_\_\_\_ SDG No. SAMPLE  
 Lab Sample ID PTCLP1115-B1 Lab File ID \_\_\_\_\_  
 Matrix (soil/water) WATER Level (low/med) LOW  
 Date Extracted 11/15/91 Extraction (SepF/Cont/Sonc) SEPF  
 Date Analyzed (1) 11/23/91 Date Analyzed (2) \_\_\_\_\_  
 Time Analyzed (1) 1813 Time Analyzed (2) \_\_\_\_\_  
 Instrument ID (1) GCB Instrument ID (2) \_\_\_\_\_  
 GC Column ID (1) DB-1701 GC Column ID (2) \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SAMPLE123	910614-01	11/23/91	
02	SAMPLE123MS	910614-01MS	11/23/91	

COMMENTS

193  
300570

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SAMPLE123

Name: CEIMIC CORP Contract: \_\_\_\_\_  
 Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE  
 Matrix: (soil/water) WATER Lab Sample ID: 910614-01  
 Sample wt/vol: 300 (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 11/08/91  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/91  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/23/91  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
58-89-9	gamma-BHC (Lindane)		0.17 U
76-44-8	Heptachlor		0.17 U
1024-57-3	Heptachlor epoxide		0.17 U
72-20-8	Endrin		0.33 U
72-43-5	Methoxychlor		1.7 U
5103-71-9	Chlordane		1.7 U
8001-35-2	Toxaphene		3.3 U

FORM I PEST

1/87 Rev.

195  
300571

8D  
PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name CEIMIC CORP Contract \_\_\_\_\_  
 Lab Code CEIMIC Case No. 910614 SAS No. \_\_\_\_\_ SDG No. SAMPLE  
 Instrument ID GCB GC Column ID DB-1701  
 Dates of Analyses 11/23/91 to 11/23/91

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD ( / 10.0%)
Aldrin_____	372000 ✓	385000 ✓	384000 ✓	1.9
Endrin_____	311000	322000	320000	1.8
4,4'-DDT_____	206000	197000	194000	3.1
DBC_____	206000 ✓	202000 ✓	200000 ✓	1.5

(1)

(1) If 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown  
(percent breakdown expressed as total degradation)

	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
01 INITIAL EVAL MIX B	11/23/91	1206	4.2	0.0	

(2) See Form instructions.

201  
300572

8E  
 PESTICIDE EVALUATION STANDARDS SUMMARY  
 Evaluation of Retention Time Shift for Dibutylchlorodane

Lab Name CEIMIC CORP Contract \_\_\_\_\_  
 Lab Code CEIMIC Case No. 910614 SAS No. \_\_\_\_\_ SDG No. SAMPLE  
 Instrument ID GCS GC Column ID DB-1701  
 Dates of Analyses 11/23/91 to 11/23/91

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01: EVALA	EVALA	11/23/91	1057 ✓	0.0	
02: EVALB	EVALB	11/23/91	1206 ✓	0.0	
03: EVALC	EVALC	11/23/91	1449 ✓	0.1	
04: INDA	INDA	11/23/91	1520 ✓	0.1	
05: INDB	INDB	11/23/91	1555	0.0	
06: TOXAPH	TOXAPH	11/23/91	1629	-0.1	
06a: CHLORDANE	CHLORDANE	11/23/91	1704	0.0	
07: PBLK01	FTCLF1115-B1	11/23/91	1813	0.0	
08: SAMPLE123	910614-01	11/23/91	1847	0.1	
09: SAMPLE123MS	910614-01MS	11/23/91	1921	0.1	
09a: BLANK SPIKE	F1118-LCS1	11/23/91	1956	0.0	
10: INDA	INDA	11/23/91	2030 ✓	0.0	
11: INDB	INDB	11/23/91	2105	0.1	

23.95 min

\* Values outside of QC limits (2.0% for packed columns,  
 0.3% for capillary columns)

202  
 300573

9  
PESTICIDE/PCP STANDARDS SUMMARY

Lab Name: CEIMIC DDR Contract: \_\_\_\_\_

Code: CEIMIC Case No.: 910614 SAE No.: \_\_\_\_\_ SDE No.: SAMPLE

Instrument ID: GC8 GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: <u>11/22/91</u>	DATE OF ANALYSIS	<u>11/22/91</u>
	TO: <u>11/22/91</u>	TIME OF ANALYSIS	<u>1500</u>
TIME(S) OF ANALYSIS	FROM: <u>1057</u>	EPA SAMPLE NO.	
	TO: <u>1555</u>	(STANDARD)	<u>INDA</u>

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
gamma-BHC	12.07	11.93	12.21	389000				
Heptachlor	12.79	12.64	12.94	427000 ✓				
Hept. epoxide	16.26	16.11	16.41	402000				
Endrin	19.21	19.06	19.36	325000				
Methoxychlor	23.64	23.49	23.79	122000 ✓				
Chlordane	17.67	17.52	17.92	389000				
Toxaphene	23.25	23.07	23.43	5550				
<i>DBL</i>	<i>23.73</i>			<i>202900</i>				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

2: Determining that no compounds were found above the CRDL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such-analytes is based primarily on pattern recognition.

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: CEIMIC CORP Contract: \_\_\_\_\_

Lab Code: CEIMIC Case No.: 910214 SAS No.: \_\_\_\_\_ SDS No.: SAMPLE

Instrument ID: GCS GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: <u>11/23/91</u>	DATE OF ANALYSIS	<u>11/23/91</u>
	TO: <u>11/23/91</u>	TIME OF ANALYSIS	<u>0900</u>
TIME(S) OF ANALYSIS	FROM: <u>1057</u>	EPA SAMPLE NO.	
	TO: <u>1555</u>	(STANDARD)	<u>INDA</u>

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
gamma-BHC	12.07	11.93	12.21	389000	12.10	374000	Y	3.8
Heptachlor	12.79	12.64	12.94	427000	12.82	423000	Y	0.8
Hept. epoxide	16.26	16.11	16.41	402000	16.29	397000	Y	1.1
Endrin	19.21	19.06	19.36	325000				
Methoxychlor	23.64	23.49	23.79	122000	23.66	115000	Y	5.7
Chlordane	17.67	17.52	17.82	389000				
Toxaphene	23.25	23.07	23.43	5550				
<u>DBL</u>				<u>201935</u>	<u>23.94</u>	<u>197845</u>		

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

a: Determining that no compounds were found above the CRDL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

PESTICIDE/PCP STANDARDS SUMMARY

Lab Name: CEIMIC CORP Contract: \_\_\_\_\_

Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE

Instrument ID: GCR GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: <u>11/27/91</u>	DATE OF ANALYSIS	<u>11/27/91</u>
	TO: <u>11/27/91</u>	TIME OF ANALYSIS	<u>5:05</u>
TIME(S) OF ANALYSIS	FROM: <u>1057</u>	EPA SAMPLE NO.	
	TO: <u>1555</u>	(STANDARD)	<u>INDE</u>

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	XD
		FROM	TO					
gamma-BHC	12.07	11.93	12.01	389000				
Heptachlor	12.79	12.64	12.94	427000				
Hept. epoxide	16.26	16.11	16.41	402000				
Endrin	19.21	19.06	19.36	325000	19.18	315000	Y	2.1
Methoxychlor	23.64	23.49	23.79	122000				
Chlordane	17.67	17.52	17.82	389000	17.65	383000	Y	1.5
Toxaphene	23.25	23.07	23.43	5550				
<u>DBL</u>				<u>202950</u>	<u>23.96</u>	<u>194150</u>		

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. XD must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

e: Determining that no compounds were found above the CRDL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and XD. Identification of such-analytes is based primarily on pattern recognition.

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FBL101

Name: CEIMIC CORP Contract: \_\_\_\_\_

Lab Code: CEIMIC Case No.: 910614 SAS No.: \_\_\_\_\_ SDG No.: SAMPLE

Matrix: (soil/water) WATER Lab Sample ID: PTCLP1115-51

Sample wt/vol: 300 (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/23/91

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	G
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58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-71-9	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

FORM I PEST

1/87 Rev.

216

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1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SAMPLE127MS

Name: CEIMIC CORP

Contract: \_\_\_\_\_

Lab Code: CEIMIC

Case No.: 910614

SAS No.: \_\_\_\_\_

SDS No.: SAMPLE

Matrix: (soil/water) WATER

Lab Sample ID: 910614-01MS

Sample wt/vol: 300 (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 11/08/91

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 11/15/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 11/23/91

SFC Cleanup: (Y/N) N pH: \_\_\_\_\_

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
---------	----------	---	---

58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-71-9	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

FORM I FEST

1/87 Rev.

218

300578

**SURROGATE RECOVERY SUMMARY**  
**Organochlorine Herbicides Analysis**

Client: Anson Environmental

Date Samples Received: 11/08/916/17/91

Project No.: 910614

---

Client ID	Laboratory ID	DCPAA* Recovery
Sample #1, #2, & #3	910614-01	95%
<u>QA/QC</u>		
Laboratory Control Spike	H1119-LCS2	59
TCLP Extraction Blank	HTCLP1115-B1	80
Sample #1, #2, & #3MS	H910614-01MS	62

---

L

DCPAA = Dichlorophenylacetic acid

Reported by: \_\_\_\_\_

ORGANOCHLORINE HERBICIDES

LABORATORY CONTROL SPIKE

EPA Method 8150

Client: Anson Environmental

Client Sample ID: Laboratory Control  
Spike

Laboratory ID: H910614-LCS2

Date Sample Received: 11/08/91

Date Sample Prepared: 11/19/91

Date Sample Analyzed: 11/25/91

Matrix: Aqueous

---

Target Analyte	% Recovery
2,4-D	25 %
Silvex	59
2,4,5-T	58

---

300580

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

MATRIX SPIKE ANALYSIS SUMMARY

EPA Method 8150

Client: Anson Environmental

Client Sample ID: Sample #1, #2, & #3MS Laboratory ID: 910614-01MS

Date Analyzed: 11/25/91

Concentration in: ug/L (ppb)

---

Target Analyte	Sample Result	Spike Added	Spiked Sample Result	Percent Recovery
2,4-D	ND	4.97	1.88	38%
2,4,5-TP (Silvex)	ND	1.00	0.63	63
2,4,5-T	ND	1.10	0.59	54

---

ND = Not detected

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

225  
300581

HERBICIDE METHOD BLANK SUMMARY

Lab Name: CEIMIC CORP

Contract: ANSON ENVIRONMENTAL

Lab Code: CEIMIC Case No.

SAS No.: SDG No.: Sample #1,  
#2, & #3

Lab Sample ID: HTCLP1115-B1

Matrix: Aqueous

Extraction Date: 11/15/91

Date Analyzed: 11/25/91

Instrument ID: GC-3

Time Analyzed: 8:26 pm

GC Column ID: DB-5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

Client ID	Lab Sample ID	Date Analyzed
Sample #1, #2, & #3	910614-01	11/25/91
Sample #1, #2, & #3MS	910614-01MS	11/25/91

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

226

300582

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Anson Environmental

Date Sampled: 11/06/91

Client Sample ID: Sample #1, #2, & #3

Date TCLP Performed: 11/15/91

Laboratory ID: 910614-01

Date Leachate Prepared: 11/19/91

Concentration in: ug/L (ppb)

Date Extract Analyzed: 11/25/91

---

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	100	ND	263
2,4,5-TP (Silvex)	ND	33	ND	52
2,4,5-T	ND	33	ND	61

---

ND = Not detected

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

228

300583

**HERBICIDE STANDARDS SUMMARY**

Lab Name: CEIMIC CORP

Contract: ANSON ENVIRONMENTAL

Lab Code: CEIMIC Case No.:

CAS No.: SDG No.: Sample #1,  
#2, & #3

Instrument ID: GC-3

GC Column ID: DB-5

Dates of Analyses: 11/25/91

*Sample not duplicate  
reported response fact*

HERBICIDE	RESPONSE FACTOR LEVEL 1 X10-7	RESPONSE FACTOR LEVEL 2 X10-7	RESPONSE FACTOR LEVEL 3 X10-7	RESPONSE FACTOR LEVEL 4 X10-7	RESPONSE FACTOR LEVEL 5 X10-7	%RSD (</=
DCPAA	6.96	7.85	8.86	9.89	11.190	
2,4-D	6.91 <i>1747880</i>	7.44 <i>1730307</i>	7.68 <i>1525404</i>	8.35 <i>1418300</i>	9.13 <i>12317411</i>	
2,4,5-TP (SILVEX)	2.08	2.11	2.16	2.30	2.50	
2,4,5-T	2.74	2.74	2.79	2.97	3.14	

**HERBICIDE STANDARDS (MASS INJECTED)**

HERBICIDE	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
DCPAA	0.06	0.19	0.31	0.44	0.56
2,4-D	0.05	0.15	0.25	0.35	0.45
2,4,5-TP (SILVEX)	0.01	0.04	0.06	0.09	0.11
2,4,5-T	0.01	0.04	0.06	0.09	0.11

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

233  
300584

**HERBICIDE STANDARD SUMMARY  
CONTINUING CALIBRATION**

Lab Name: CEIMIC CORP.

Contract: ANSON ENVIRONMENTAL

Lab Code: CEIMIC Case No.:

SAS No.:

SDG: Sample #1, #2, & #3

Instrument ID: GC-3

GC Column ID: DB-5

DATE(S) OF ANALYSIS FROM: 11/25/91  
TO: 11/25/91  
TIME(S) OF ANALYSIS FROM: 8:51  
TO: 10:53

DATE OF ANALYSIS 11/25/91  
TIME OF ANALYSIS 9:58 pm

STANDARD: HERBICIDE-3

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR X10-7	RT	CALIBRATION FACTOR X10-7	QNT Y/N	%D
		FROM	TO					
2,4,D	13.66	13.65	13.67	7.90	13.68	7.84 1275	Y	0
2,4,5-TP (SILVEX)	18:07	18.06	18.08	2.23	18.09	2.10	Y	6
5-T	19.09	19.08	19.10	2.88	19.10	2.42	Y	19

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any rep

orted by: \_\_\_\_\_

Approved by: \_\_\_\_\_

234  
300585



TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Anson Environmental

Date Sampled: NA

Client Sample ID: TCLP Extraction Blank Date TCLP Performed: 11/15/91

Laboratory ID: HTCLP1115-B1

Date Leachate Prepared: 11/19/92

Concentration in: ug/L (ppb)

Date Extract Analyzed: 11/25/91

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	100	ND	100
2,4,5-TP (Silvex)	ND	33	ND	33
2,4,5-T	ND	33	ND	33

ND = Not detected

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

248

300586

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: Anson Environmental

Date Sampled: 11/06/91

Client Sample ID: Sample #1, #2, & #3MS Date TCLP Performed: 11/15/91

Laboratory ID: 910614-01MS

Date Leachate Prepared: 11/19/91

Concentration in: ug/L (ppb)

Date Extract Analyzed: 11/25/91

---

Target Analyte	Actual		Adjusted*	
	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	100	ND	263
2,4,5-TP (Silvex)	ND	33	ND	52
2,4,5-T	ND	33	ND	61

---

ND = Not detected

\* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: \_\_\_\_\_

Approved by: \_\_\_\_\_

251  
300587

PROJECT NAME: Anson Env.

SUPPORT DOCUMENTATION FOR THE REVIEW OF  
INORGANIC ANALYTICAL DATA PACKAGE

TYPE OF ANALYSIS: ICP Inorganics

CONTRACT LABORATORY: Cerinic Corp

REVIEWER: D. Langster

REVIEW DATE: 3/24/92

APPLICABLE SAMPLE NO's: \_\_\_\_\_

Sample #1 #2 #3  
(composite sample)

THE FOLLOWING TABLE INDICATES AREAS WHICH WERE EXAMINED IN DETAIL, THE IDENTIFIED PROBLEM AREAS, AND SUPPORT DOCUMENTATION ATTACHMENTS:

	AREAS EXAMINED IN DETAIL					PROBLEM AREAS IDENTIFIED					SUPPORT DOCUMENTATION ATTACHMENTS				
	CHECK (✓) IF YES OR FOOTNOTE LETTER FOR COMMENTS BELOW					CHECK (✓) IF YES OR FOOTNOTE NUMBER FOR COMMENTS BELOW					CHECK (✓) IF YES OR IDENTIFY ATTACHMENT NO.				
	ALL APPLICABLE ANALYSES	ICP OR A.A. METALS	FURNACE METALS	COLD VAPOR MERCURY	CYANIDE	ALL APPLICABLE ANALYSES	ICP OR A.A. METALS	FURNACE METALS	COLD VAPOR MERCURY	CYANIDE	ALL APPLICABLE ANALYSES	ICP OR A.A. METALS	FURNACE METALS	COLD VAPOR MERCURY	CYANIDE
HOLDING TIMES	✓										✓				
BLANK ANALYSIS RESULTS	✓										✓				
MATRIX SPIKES (PRE-DIGESTION)	✓										✓				
DUPLICATES															
QUANTITATION OF RESULTS	✓														
DETECTION LIMITS/SENSITIVITY	✓								✓		✓				
INITIAL CALIBRATIONS	✓										✓				
CONTINUING CALIBRATIONS	✓										✓				
LABORATORY CONTROL STANDARDS	✓										✓				
ICP LINEAR RANGE ANALYSIS	✓										✓				
ICP INTERFERENCE CHECKS	✓					✓					✓				
ICP SERIAL DILUTIONS	✓										✓				
GFAA POST-DIGESTION SPIKES															
GFAA DUPLICATE BURNS															
GFAA STANDARD ADDITIONS															
OTHERS	✓										✓				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**TCLP METALS NARRATIVE**

SDG: 123  
Ceimic Lab ID: 910614

The following sample was received at Ceimic on November 8, 1991:

Sample #1, #2, #3

A Toxicity Characteristic Leaching Procedure was performed on the sample in accordance with EPA method 1311. The resulting extracts were analyzed for total metals in accordance with EPA method 6010.

**Comments on Data Package:**

**QA/QC Samples:**

Inorganic Venture Solution #3 and EPA-LV ICV-5(0689) were used for the ICV and CCV samples for the ICP and mercury. Perkin Elmer #2 solution was used for the LCSW sample.

**Observations:**

None.

**Deviation from SOW:**

None.

End of case narrative.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Releases of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

\_\_\_\_\_  
Phyllis Shaller  
Inorganic Laboratory  
Manager

\_\_\_\_\_  
Date

300589



TCLP METALS

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

1,2,3

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

Matrix (soil/water): WATER

Lab Sample ID: 00614-016


Level (low/med): LDW

Date Received: 11/08/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	R	M
7440-38-2	Arsenic	84.00	U		F
7440-39-3	Barium	137.00	B		F
7440-43-9	Cadmium	4.00	U		F
7440-47-3	Chromium	6.00	U		F
7439-92-1	Lead	50.00	U		F
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	92.00	U		F
7440-22-4	Silver	3.00	U		F


 All IDLs  
 did not recover  
 correct results/IDLs

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

I  
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

1115FB

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

Matrix (soil/water): WATER

Lab Sample ID: 00614-025

Level (low/med): LOW

Date Received: 11/08/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	84.00	U		P
7440-39-3	Barium	11.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	6.00	U		P
7439-92-1	Lead	50.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	92.00	U		P
7440-22-4	Silver	3.00	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

TCLP METALS

3A  
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 125

Initial Calibration Source: ~~EPA-LV~~ *BE #3*

Continuing Calibration Source: ~~EPA-LV~~ *15*  
*3/10/92*

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Arsenic	1000.0	963.00	96.3	1000.0	942.00	94.2			P
Barium	300.0	295.00	98.3	300.0	294.00	98.0			P
Cadmium	300.0	293.00	97.7	300.0	293.00	97.7			P
Chromium	300.0	297.00	99.0	300.0	290.00	96.7			P
Lead	1000.0	989.00	98.9	1000.0	1027.00	102.7			P
Mercury	5.0	5.43	108.6	5.0	5.11	102.2	5.04	100.8	CV
Selenium	500.0	563.00	112.6	500.0	491.00	98.2			P
Silver	300.0	315.00	105.0	300.0	308.00	102.7			P

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115



INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDC No.: 123

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Arsenic									NR
Barium									NR
Cadmium									NR
Chromium									NR
Lead									NR
Mercury				5.0	4.84	96.8			CV
Selenium									NR
Silver									NR

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

261

ICLF METALS

28

CRDL STANDARD FOR AA AND ICP

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

AA CRDL Standard Source:

INDRG VENTURES

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Arsenic								
Barium								
Cadmium								
Chromium								
Lead								
Mercury	0.8	0.32	40.0%					
Selenium								
Silver								

*Flag detection limit "UJ"*

262

TOTAL METALS

3  
BLANKS

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
			1	C	2	C	3	C			
Arsenic	84.0	U	84.0	U					84.0	U	P
Barium	3.0	U	3.0	U					3.0	U	P
Cadmium	4.0	U	4.0	U					4.0	U	P
Chromium	6.0	U	6.0	U					7.0	U	P
Cobalt	50.0	U	50.0	U					50.0	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	CV
Selenium	92.0	U	92.0	U					92.0	U	P
Silver	3.0	U	3.0	U					3.0	U	P

✓ ✓ ✓ ✓ ✓

263

TRACE METALS  
Spike Sample Recovery

SAMPLE ID

Lab Name: CEIMIC

Contract: ANSON

1,2,39

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

Matrix: WATER

Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	MR	D	M
	Limit NR						
Arsenic	75-125	994.0000	84.0000 U	1000.00	99.4		F
Barium	75-125	956.0000	137.0000 B	1000.00	81.9		F
Cadmium	75-125	849.0000	4.0000 U	1000.00	84.9		F
Chromium	75-125	867.0000	6.0000 U	1000.00	86.7		F
Lead	75-125	872.0000	50.0000 U	1000.00	87.2		F
Mercury	75-125	4.3671	0.2000 U	5.00	87.3		CV
Selenium	75-125	959.0000	92.0000 U	1000.00	95.9		F
Silver	75-125	855.0000	3.0000 U	1000.00	85.5		F

Comments:

L

FORM V (PART 1) - IN

7/88

**264**

**300597**

TOXIC METALS

LABORATORY CONTROL SAMPLE

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

Solid LCS Source:

Aqueous LCS Source: ~~EPA-17~~ PE #2

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	500.0	418.00	83.6					
Barium	500.0	461.00	92.2					
Cadmium	500.0	466.00	93.2					
Chromium	500.0	461.00	92.2					
Lead	500.0	473.00	94.6					
Mercury								
Selenium	500.0	455.00	91.0					
Copper	500.0	502.00	100.4					

265



ICLIP METALS

10

Instrument Detection Limits (Quarterly)

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

ICP ID Number:

F1

Date: 01/01/92

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Arsenic	189.04		200	84.0	F
Barium	233.53		200	3.0	F
Cadmium	214.44		10	4.0	F
Chromium	205.55		20	6.0	F
Lead	220.35		3	50.0	F
Mercury			0.8		
Selenium	196.03		200	92.0	F
Silver	328.07		20	3.0	F

Comments:

F1: PERKIN ELMER F40

267

TOXIC METALS

LD

Instrument Detection Limits (Quarterly)

Lab Name: CEIMIC Contract: ANSON  
 Lab Code: CEIMIC Case No.: ANSON SAS No.: SDC No.: 123  
 ICP ID Number: Date: 01/01/92  
 Flame AA ID Number: M1  
 Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Arsenic			200		
Barium			200		
Cadmium			10		
Chromium			20		
Lead			3		
Mercury	253.70		0.8	0.2	CV
Selenium			200		
Silver			20		

Comments:

M1: PERKIN ELMER MODEL 50A MERCURY ANALYZER



TCLP METALS

11A

ICF Interelement Correction Factors (Annually)

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

ICF ID Number:

F1

Date: 08/01/91

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mn
Arsenic	189.04	0.0006407	0.0000459	0.0000450	0.0000212	0.0001670
Barium	233.53	0.0000041	0.0000000	0.0000401	0.0000003	-0.0000050
Cadmium	214.44	-0.0000290	0.0000014	0.0000923	0.0000004	0.0000080
Chromium	205.55	0.0000032	0.0000018	-0.0000001	0.0000018	0.0003210
Lead	220.35	-0.0004351	0.0000069	0.0001501	0.0000020	0.0000880
Mercury						
Selenium	196.03	0.0000910	0.0000157	-0.0057353	0.0000084	0.0003380
Silver	328.07	0.0000006	0.0000002	0.0000009	0.0000002	0.0001710

Comments:

269

ICP Interelement Correction Factors (Annually)

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDC No.: 123

ICP ID Number:

F1

Date: 08/01/91

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
Arsenic	189.04				
Barium	233.53				
Cadmium	214.44				
Chromium	205.55				
Lead	220.35				
Mercury					
Selenium	196.03				
Silver	328.07				

Comments:

270

TCLP METALS

IC

ICP Linear Ranges (Quarterly)

Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

ICP ID Number:

F1

Date: 01/01/92

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	0.32	20000.0	
Barium	0.32	20000.0	
Cadmium	0.32	5000.0	
Chromium	0.32	5000.0	
Lead	0.32	25000.0	
Mercury			NR
Selenium	0.32	20000.0	
Silver	0.32	5000.0	

Comments:

271







TCLP METALS

ANALYSIS RUN LOG

Lab Name: CEIMIC

Contract: ANSON

Lab Code: CEIMIC

Case No.: ANSON

SAS No.:

SDG No.: 123

Instrument ID Number: M1

Method: CV

Start date: 11/25/91

End date: 11/25/91

EPA Sample No.	D/F	Time	% R	Analytes													
				A	B	C	D	E	F	G	H	I	J				
SO	1.00									X							
SO.5	1.00									X							
S1	1.00									X							
S5	1.00									X							
S10	1.00									X							
ICV	1.00									X							
ICB	1.00									X							
CRA	1.00									X							
PBW	1.00									X							
ZZZZ	1.00																
2,3	1.00									X							
1,2,3S	1.00									X							
ZZZZZ	1.00																
ZZZZZ	1.00																
ZZZZZ	1.00																
ZZZZZ	1.00																
CCV	1.00									X							
CCB	1.00									X							
ZZZZZ	1.00																
ZZZZZ	1.00																
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ZZZZZ	1.00																
ZZZZZ	1.00																
ZZZZZ	1.00																
ZZZZZ	1.00																
ZZZZZ	1.00																
CCV	1.00									X							
CCB	1.00									X							
ZZZZZ	1.00																
ZZZZZ	1.00																
ZZZZZ	1.00																





# Anson Environmental, Ltd.

256 Main Street  
Northport, NY 11768

## Fax Transmittal

Date: 8 Apr 92

Number of pages (including cover page): 6

To: Dorothy Allen, USEPA (212) 264-7611

From: Dean Anson

Regarding: TCLP, CLP data validation  
soil composite.

Please contact us immediately if  
transmission is incomplete.  
516.757.7090

Comments: Here is the cover letter and section 1  
which accompany sections 2+3  
(which should arrive via Fed Ex  
this morning.)

---

PLEASE NOTE OUR NEW  
FAX #  
(516) 757-1229

---



# Environmental Standards, Inc.

*Specialists in Environmental Risk Assessment and Data Validation*

The Commons at Valley Forge, Unit 4, 1220 Valley Forge Rd.  
P.O. Box 911, Valley Forge, PA 19481 (215) 935-5577

March 25, 1992

Ms. Fritzi Mazzola  
Anson Environmental  
256 Main Street  
Northport, NY 11768

Dear Ms. Mazzola:

Please find enclosed the quality assurance review of the data package for the TCLP analysis of Sample #1 #2 #3 (composite sample). This report should replace the report dated 12/10/92 for the sample. As before, the detection limits for all compounds in the semivolatile, pesticide and herbicide analyses have been qualified due to holding time issues. In addition, the analyses for methylethylketone should be considered unreliable due to calibration issues and the detection limits for mercury have been qualified based on the CRA standard recoveries.

If you have any questions or comments, or if I can be of any further assistance, please do not hesitate to call.

Sincerely,

Donald J. Lancaster  
Senior Quality Assurance Chemist

DJL:cs  
Enc.

300611

## Section 1 Quality Assurance Review

### A. Introduction

This quality assurance review is based upon an examination of the QA/QC summary forms and raw data generated from Sample #1 #2 #3 which was collected November 6, 1991 at the Anchor Chemical site.

The validation has been performed in accordance with the following U.S. EPA Region II documents:

"CLP Organics Data Review and Preliminary Review," SOP No. HW-6, Revision #7

"Evaluation of Metals Data for the Contract Laboratory Program (CLP)," SOP No. HW-2, Revision X

The reported analytical results are presented as a summary of the data in Section 2. Data were examined to determine the usability of the analytical results and also to determine contractual compliance relative to the TCLP analytical requirements specified in SW846 (Third Edition). Qualifier codes have been placed next to the results so that the data user can quickly assess the qualitative and/or quantitative reliability of any result. Details of this quality assurance review are presented below in the narrative section of this report. This report was prepared to provide a critical review of the laboratory analyses and reported chemical results. Rigorous quality assurance reviews of laboratory-generated data routinely identify various problems associated with analytical measurements, even from the most experienced and capable laboratories. The nature and extent of the problems identified in this quality assurance review should not be interpreted to mean that those results that do not have qualifier codes are less than valid.

### B. TCLP Data

The analyses of 1 composite sample were performed by Ceimic Corporation of Narragansett, Rhode Island. The analyses of this sample were performed in accordance with SW846 (Third Edition) procedures.

The findings offered in this report are based on an evaluation of the holding times, blank analysis results, surrogate recoveries, calibrations, internal standards, matrix spike recoveries and quantitation of positive results. The analytical results are presented in Section 2. It should be noted that in accordance with current requirements, the analytical results (non-detects and positive results) were recovery-corrected for matrix spike recoveries less than 100% except where noted below.

While reviewing the raw data and reported QC summary results, the reviewer identified the following deficiencies.

300612

-page 3

7. The calibration factors reported for chlordane in the pesticide analysis were calculated from *alpha*-chlordane in the INDB mixture, not from the technical chlordane standard.
8. The data reviewer could not duplicate the calibration factors reported for the herbicide analysis. However, the data reviewer has determined that the initial and continuing calibrations display good instrument performance (sensitivity and stability).
9. The laboratory used a 3-point calibration for the initial calibration in the pesticide analysis. SW846 methods require a 5-point initial calibration.
10. SW846 requires an interference check standard analysis before and after sample analysis by ICP (SW846, 6010-13). The laboratory did not perform this analysis. Consequently, instrument performance based on background correction and interelement signal correction could not be assessed.

With respect to data quality, principal areas of concern include holding times, calibration issues and low CRA standard recoveries. Based upon a review of the data package, the following data qualifiers are offered. It should be noted that the following data usability issues represent an interpretation of the quality control results obtained for the project samples. Quite often, data qualifications address issues relating to the sample matrix problems. Similarly, the validation guidelines routinely specify areas of the data that require qualification, yet the methods used for analysis do not require any corrective action by the laboratory. Accordingly, the following data usability issues should not necessarily be construed as an indication of laboratory performance.

The actual detection limits for semivolatile compounds, pesticides and herbicides in Sample #1 #2 #3 may be higher than reported and have been flagged "UJ" on the data tables. The TCLP leachate was prepared 2 days in excess of the 7-day holding time from the date of sample collection.

The detection limit for 2-butanone (methyl ethyl ketone) in Sample #1 #2 #3 has been flagged "R" on the sample data table and should be considered unreliable. The continuing calibration associated with Sample #1 #2 #3 displayed a low response factor (<0.050) for 2-butanone in the volatile organics analysis.

The detection limit for mercury in Sample #1 #2 #3 has been flagged "UJ" on the sample data table and should be considered biased low. The actual detection limit of mercury in the sample may be higher than that reported by the laboratory. A low recovery (40.0%) was reported for the associated CRA standard analysis for mercury.

A complete support documentation for this quality assurance review of the TCLP data is presented in Section 3 of this report.

300613

-page 2

1. The result page for the TCLP semivolatile compounds indicates that reporting limits have the units of mg/L, which is incorrect. The reporting limits should have the units of  $\mu\text{g/L}$ . The data tables have been changed to reflect the correct units.
2. Sample #1 #2 #3 was collected 11/6/91. However, the VOA result page for this sample indicates that the sample was collected 11/8/91.
3. The laboratory did not recovery-correct the positive result for barium or the detection limits for all analytes in the pesticide and metals analyses. The data reviewer has performed the recovery-correction and has reported the corrected positive result and detection limits for the analytes on the sample data tables. It should be noted that the laboratory did not perform a matrix spike analysis for chlordane or toxaphene for Sample #1 #2 #3. Consequently, the detection limits reported on the sample data tables for these analytes are not recovery-corrected.
4. The GC/MS tuning and mass calibration form (Form V) for the volatile organics analysis of 11/13/91 (page 49) for instrument MS6 was not submitted with the data package for review. However, the raw data for this VOA tuning was included in the data package. The raw data displayed an acceptable tuning and mass calibration, and the associated continuing calibration, method blank and sample analyses were performed within 12 hours of the GC/MS tuning.
5. Based upon the raw data, it appears that the laboratory did not perform an initial calibration for pyridine in the semivolatile organics analysis. Although responses for pyridine were observed in the raw data for the continuing calibrations, the response factors were not entered on the continuing calibration summary forms. Without the initial calibration, the data reviewer could not measure the reliability of the daily instrument performance for pyridine. The continuing calibration response factors as calculated by the data reviewer are presented below:

<u>Date</u>	<u>Instrument</u>	<u>Response Factor</u>
11/21/91	MS10	0.539
11/23/91	MS10	1.101
11/25/91	MS10	0.306

Semivolatile initial calibrations associated with this project case were performed on 9/14/91 and 11/24/91.

6. The second page of the semivolatile organics continuing calibration form (Form VII) for 11/21/91 (page 148) was not included with the data package submitted for validation. In addition, the raw data and Form VII's for the continuing calibrations were paginated incorrectly (the pages did not follow numerical order).

300614

-page 4

C. Conclusions

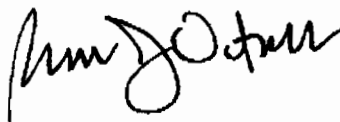
This quality assurance review has identified several aspects of the data that have required qualification. A notable portion of the organic data was qualified as estimated due to holding time violations. To confidently use any of the data in the sample set, the data users should understand the limitations and qualifications presented in this report.

Report prepared by:



Donald J. Lancaster  
Senior Quality Assurance Chemist

Report reviewed and approved by:



Rock J. Vitale  
Quality Assurance Specialist/Principal

ENVIRONMENTAL STANDARDS, INC.  
1220 Valley Forge Road  
P.O. Box 911  
Valley Forge, PA 19481

Date: 3/25/92

(215) 935-5577

300615

Environmental Standards, Inc. 

# Anson Environmental

Environmental Audits  
Hazardous Waste  
Asbestos Management  
Groundwater Remediation  
Storage Tank Management  
Impact Statements  
Wetland Investigations

256 Main Street  
Northport, NY 11768  
516-757-7090  
(fax) 516-757-1229

July 24, 1992

Mr. Tom Taccone, Project Manager  
United States Environmental Protection Agency  
Region II  
26 Federal Plaza  
New York, NY 10278

Re: Anchor Chemical Superfund Site  
Administrative Order No. II CERCLA-90208

Dear Mr. Taccone,

We have received the validated results for the first round of groundwater samples taken at the Anchor Chemical site. Enclosed please find a copy of the results in chart form with the commentary from Environmental Standards Inc., the data validator. Copies of other validated data were previously sent to Mrs. Dorothy Allen of your office.

You will note that the only compound of interest is 1,1,1-trichloroethane which was detected at 8 parts per billion in monitoring well #3 and an estimated 3 ppb of the same compound detected in well #4.

According to the Project Operations Plan dated April 10, 1991, in section 3.3-Task 6, the selected suite of analytical parameters for the second round will be those compounds on the TCL that were detected above instrument detection limits by the consultants or the USEPA in the groundwater, soil and sediment samples. The Work Plan details this exclusion in section 4.6. The Work Plan states that to exclude a whole category of compounds, no compounds in the category would have been detected. The USEPA must approve exclusions prior to sampling. Therefore, we suggest that the category of compounds, PCB's, be eliminated in the next round of sampling as there were no PCBs detected

300616

*Plan - if historical information available  
use Appendix 1 to report on the to original records*

in any sampling conducted to date. The sampling program should include the balance of the Target Compound List.

Upon receipt of your concurrence for this sampling program, we will schedule the sampling with your office, Alliance Technologies and the property owner.

We trust this information is satisfactory for your purposes.

Very truly yours,



Dean Anson II  
Co-Facility Coordinator

Enclosure

cc: S. Sucharski, BB&L  
M. Chen, NYSDEC (Albany)  
A. Candella, NYSDEC (Stony Brook)  
F. Werfel, Spiegel Associates  
A. Sanders, Spiegel Associates  
R. Leland, Esq., Rosenman and Colin  
J. Doyle, Esq., USEPA  
J. O'Brien, Esq., Anchor Chemical

300617



**SECTION 2**

**ANALYTICAL RESULTS**

300618

**A. ORGANIC DATA**

**300619**

MW-1 S&P  
 MW-2  
 MW-3  
 MW-4  
 MW-5 S&P - V  
 MW-6 S&P - SU (N) L  
 MW-7 S&P - V V  
 MW-12  
 11 well samples (US 12)

What's this?  
 Cool  
 Atom

*[Handwritten signature]*

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-page 1
Ancon Environmental Sample Number	MW-15	MW-10	MW-6S	MW-6D	F-Blank	MW-2	MW-3	MW-12	MW-7S	MW-7D	MW-5S	MW-5D	MW-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit													
Peromethane	10													
Bromomethane	10													
Vinyl Chloride	10													
Chloroethane	10													
Methylene Chloride	5	6 U	8 U	7 U	7 U	8 U	8 U	7 U	7 U	8 U	8 U	8 U	9 U	9 U
Acetone	10	10 U	15 U	12 U	14 U	11 U	21 U	14 U	15 U	13 U	16 U	13 U	12 U	29 U
Carbon Disulfide	5													
1,1-Dichloroethene	5													
1,1-Dichloroethane	5													
Total 1,2-Dichloroethene	5													
Chloroform	5													
1,2-Dichloroethane	5													
2-Butanone	10													
1,1,1-Trichloroethane	5												3 U	
Carbon Tetrachloride	5													
Vinyl Acetate	10													
Bromodichloromethane	5													
1,1,2,2-Tetrachloroethane	5													
1,2-Dichloropropane	5													
iso-1,3-Dichloropropane	5													
Trichloroethene	5													
Dibromochloromethane	5													
1,1,2-Trichloroethane	5													
Benzene	5													

300620

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-page 2
Amson Environmental Sample Number	MI-15	MI-10	MI-65	MI-60	F-Blank	MI-2	MI-3	MI-12	MI-75	MI-70	MI-55	MI-50	MI-4	F-Blank
Laboratory Sample Number	120423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08
Remarks						Field Blank								Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit													
1,3-Dichloropropane	5													
Formoform	5													
2-Hexanone	10													
4-Methyl-2-Pentanone	10													
Tetrachloroethene	5													
Toluene	5													
Chlorobenzene	5													
Ethylbenzene	5													
Styrene	5													
Total Xylenes	5													
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92
Date Sample Received by Laboratory	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92
Date of Sample Analysis	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/4/92	5/4/92	5/2/92	5/2/92	5/3/92	5/3/92	5/3/92	5/3/92
Instrument Used for Analysis	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C

NOTES: - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS													-page 3	
Anson Environmental Sample Number	MA-15	MA-10	MA-6S	MA-60	F-Blank	MA-2	MA-3	MA-12	MA-75	MA-70	MA-55	MA-50	MA-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS														
VOLATILE COMPONENTS	-						-	-		-	-		-	-
Carbon Dioxide (Laboratory Artifact)		7 R	7 R	5 R	10 R	10 R			6 R				10 R	

- NOTES:
- Compound was not detected.
  - U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - WJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300622

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-page 4	
Aceon Environmental Sample Number	MA-1S	MA-10	MA-6S	MA-60	F-Blank	MA-2	MA-3	MA-12	MA-7S	MA-70	MA-5S	MA-50	MA-4	F-Blank	
Laboratory Sample Number	120423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks						Field Blank									Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit														
nao1	10														
bis(2-Chloroethyl)ether	10														
2-Chlorophenol	10														
1,3-Dichlorobenzene	10														
1,4-Dichlorobenzene	10														
Benzyl Alcohol	10														
1,2-Dichlorobenzene	10														
2-Methylphenol	10														
bis(2-Chloroisopropyl)ether	10														
4-Methylphenol	10														
N-Nitroso-di-n-Propylamine	10						ND								
Hexachloroethane	10														
Nitrobenzene	10														
Isophorone	10														
2-Nitrophenol	10														
2,4-Dimethylphenol	10														
Benzoic Acid	50														
bis(2-Chloroethoxy)methane	10														
4-Dichlorophenol	10														
1,2,4-Trichlorobenzene	10														
Naphthalene	10														
4-Chloroaniline	10														
Hexachlorobutadiene	10														
4-Chloro-3-Methylphenol	10														
2-Methylanthralene	10														

300623

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	MU-1S	MU-1B	MU-6S	MU-6B	F-Blank	MU-2	MU-3	MU-12	MU-7S	MU-7B	MU-6S	MU-5B	MU-4	F-Blank
Laboratory Sample Number	120423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08
Remarks						Field Blank								Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit													
1,2-dichlorocyclopentadiene	10													
1,2,4,6-Trichlorophenol	10													
1,2,4,5-Trichlorophenol	50													
2-Chloronaphthalene	10													
2-Nitroaniline	50													
Dimethylphthalate	10													
Acenaphthylene	10													
3-Nitroaniline	50													
Acenaphthene	10													
1,2,4-Trinitrophenol	50													
4-Nitrophenol	50													
Dibenzofuran	10													
2,4-Dinitrotoluene	10													
2,6-Dinitrotoluene	10													
Diothylphthalate	10													
4-Chlorophenylphenylether	10													
Fluorene	10													
4-Nitroaniline	50													
4,6-Dinitro-2-Nitrophenol	50													
Nitroodiphenylamine	10													
4-Bromophenylphenylether	10													
Hexachlorobenzene	10													
Pentachlorophenol	50													
Phenanthrene	10													

300624

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	MI-1S	MI-1D	MI-6S	MI-6D	F-Blank	MI-2	MI-3	MI-12	MI-7S	MI-7D	MI-5S	MI-5D	MI-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit													
Anthracene	10													
1-n-Butylphthalate	10													
Fluoranthene	10													
Pyrene	10													
Butylbenzylphthalate	10													
3,3'-Dichlorobenzidine	20													
Benzo(a)anthracene	10													
bis(2-Ethylhexyl)phthalate	10	0 J	6 J	5 J					17	17	65	38	19	
Chrysene	10													
Di-n-Octylphthalate	10													
Benzo(b)fluoranthene	10													
Benzo(k)fluoranthene	10													
Benzo(a)pyrene	10													
Indeno(1,2,3-cd)pyrene	10													
Dibenz(a,h)anthracene	10													
Benzo(g,h,i)perylene	10													
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92
Date Sample Received by Laboratory	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92
Date Sample Extracted	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92
Date of Sample Analysis	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/1/92	5/1/92	5/1/92	5/1/92	5/1/92	5/1/92	5/2/92	5/2/92	5/2/92
Instrument Used for Analysis	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B

300625



CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS														
Anson Environmental Sample Number	MU-1S	MU-1D	MU-6S	MU-6D	F-Blank	MU-2	MU-3	MU-12	MU-7S	MU-7D	MU-5S	MU-5D	MU-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS														
SEMI-VOLATILE COMPONENTS														
Known Oxygenated Compounds (No. of Peaks)	314 (7) J	356 (6) J	142 (5) J	250 (6) J					606 (9) J	452 (6) J	20 (2) J	440 (9) J	500 (10) J	
1,4-Dioxane							110 J							
Benzothiazole											10 J			
Phthalate ester											10 J			
Hexanoic acid, 2-ethyl-												26 J		
Hexadecanoic acid												16 J		
Saturated hydrocarbon (No. of Peaks)												42 (4) J		

- NOTES:
- Compound was not detected.
  - U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-page 0
Aceon Environmental Sample Number	MI-15	MI-10	MI-65	MI-60	F-Blank	MI-2	MI-3	MI-12	MI-75	MI-70	MI-55	MI-50	MI-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Pesticides	Quantitation Limit													
alpha-BHC	0.05													
beta-BHC	0.05													
delta-BHC	0.05												ND	
gamma-BHC (lindane)	0.05													
Heptachlor	0.05													
Aldrin	0.05													
Heptachlor Epoxide	0.05													
Endosulfan I	0.05													
Dieldrin	0.10													
4,4'-DDE	0.10													
Endrin	0.10													
Endosulfan II	0.10													
4,4'-DDD	0.10													
Endosulfan Sulfate	0.10													
4,4'-DDT	0.10													
Heptoxychlor	0.50													
Endrin Ketone	0.10													
alpha-Chlordane	0.50													
gamma-Chlordane	0.50													
xylene	1.0													

300627

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-page 3
Amoco Environmental Sample Number	MA-15	MA-18	MA-65	MA-68	F-Blank	MA-2	MA-3	MA-12	MA-75	MA-78	MA-55	MA-58	MA-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit													
Aroclor-1016	0.5													
Aroclor-1221	0.5													
Aroclor-1232	0.5													
Aroclor-1242	0.5													
Aroclor-1248	0.5													
Aroclor-1254	1.0													
Aroclor-1260	1.0													
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92
Date Sample Received by Laboratory	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92
Date Sample Extracted	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92
Date of Sample Analysis	5/4/92	5/4/92	5/4/92	5/4/92	5/4/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92
Instrument Used for Analysis	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E

NOTES: - Compound was not detected.  
 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 NJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

**B. INORGANIC DATA**

300629

INORGANIC ANALYSIS - ANALYTICAL RESULTS												-page 1	
Anson Environmental Sample Number		FB-1	MA-12	MA-10	MA-15	MA-2	MA-3	MA-4	MA-50	MA-55	MA-60	MA-65	
Laboratory Sample Number		00207-145	00207-125	00207-025	00207-015	00207-035	00207-045	00207-055	00207-065	00207-075	00207-085	00207-095	
Remarks		Field Blank											
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
INORGANIC ELEMENTS		Detection Limit											
Aluminium	P	04.0	120 J	5490 J	3020 J	190 U	5600 J	2260 J	250 U	1670 J	1700 J	371 U	419 U
Antimony	P	49.0											
Arsenic	F	2.0			(x5)	3.2 U	3.4 U		2.0 U	3.2 U			
Barium	P	3.0	UJ	43.0 J	37.0 J	10.0 J	30.0 J	60.0 J	27.0 J	54.0 J	11.0 J	7.0 J	35.0 J
Beryllium	P	1.0	3.0	3.0 U	2.0 U	2.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Cadmium	P	4.0											
Calcium	P	36.0	65.0	5600	19,000	9200	5000	11,500	9200	23,600	25,200	12,400	19,300
Chromium	P	6.0	UJ	270 J	132 J	11.0 J	317 J	227 J	14.0 J	48.0 J	137 J	33.0 J	13.0 J
Cobalt	P	9.0	12.0	10.0 U	10.0 U	9.0 U	10.0 U	11.0 U		14.0 U	14.0 U	10.0 U	
Copper	P	3.0	3.0 J	73.0 J	26.0 U	17.0 U	74.0 J	115 J	25.0 U	59.0 J	100 J	10.0 U	27.0 U
Iron	P	37.0	46.0	7900	3990	490	7990	4510	615	1920	3470	450	707
Lead	F	1.0	4.6 J	51.4 J	29.4 J	22.0 U	74.7 J	30.2 J	15.6 R	31.4 J	44.4 J	10.5 U	18.2 R
Magnesium	P	41.0	65.0	1160	2100	1120	1310	1000	1500	550	1500	1670	2450
Manganese	P	2.0		83.0 J	32.0 J	25.0 J	95.0 J	74.0 J	53.0 J	23.0 J	52.0 J	92.0 J	43.0 J
Mercury	CV	0.20					0.20 J						
Nickel	P	10.0		16.0	30.0	14.0	17.0	50.0		20.0	92.0	22.0	
Potassium	P	290		2090 U	3010	1960 U	2340	2590	1440 U	61,500	1690 U	5010	2600
Selenium	F	3.0					0						
Silver	F	3.0	3.0		3.0 U	6.0 U		4.0 U	13.0 U		5.0 U		
Sodium	P	70.0	01.0 J	10,000 J	41,200 J	19,700 J	19,300 J	25,400 J	3600 J	30,700 J	2920 J	12,700 J	14,000 J
Thallium	F	1.0											
Vanadium	P	6.0		13.0	6.0		13.0						
Zinc	P	5.0	7.0	17.0 R	45.0	50	20.0 R	29.0 R	76.0	66.0	67.0	30.0 R	40.0
Cyanide	A	10.0	UJ	UJ	0A	*	0A	*	UJ	UJ	UJ	UJ	UJ
Phenols	S	100	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ

NOTES:

- Element was not detected.
- J - Quantitation is approximate due to limitations identified in the quality assurance review.
- 0 - This result should be considered "not-detected" since this constituent was detected in a laboratory blank(s) at a similar level.
- R - Unreliable results - Analyte may or may not be present in this sample.
- UJ - Not detected, but the detection limit is probably higher than reported based upon a low bias identified during the quality assurance review.
- NA - Not analyzed. See quality assurance review.
- \* - See quality assurance review.
- (x5) - Due to a dilution required for analysis, the reported detection limit for the analyte in the sample is five times the instrument detection limit.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer
- S - Manual Spectrophotometric Analysis

300630

INORGANIC ANALYSIS - ANALYTICAL RESULTS					-page 2
Anson Environmental Sample Number		MM-7D	MM-7S	FB-2	
Laboratory Sample Number		00207-10S	00207-11S	00207-15S	
Remarks				Field Blank	
Units		ug/L	ug/L	ug/L	
INORGANIC ELEMENTS		Detection Limit			
Aluminum	P	04.0	520 U	345 U	151 J
Antimony	P	49.0			
Arsenic	F	2.0		2.0 U	
Barium	P	3.0	53.0 J		UJ
Beryllium	P	1.0	3.0 U	3.0 U	3.0
Cadmium	P	4.0		4.0	
Calcium	P	36.0	16,300	6020	66.0
Chromium	P	6.0	10.0 J	33.0 J	UJ
Cobalt	P	9.0	10.0 U	12.0 U	9.0
Copper	P	3.0	37.0 J	27.0 U	5.0 J
Iron	P	37.0	754	409	39.0
Lead	F	1.0	27.9 J	27.9 J	1.3 J
Magnesium	P	41.0	1720	651	
Manganese	P	2.0	35.0 J	26.0 J	2.0 J
Mercury	CV	0.20	UJ		
Nickel	P	10.0	22.0	21.0	
Potassium	P	290	2540	4020	
Selenium	F	3.0			
Silver	P	3.0			
Sodium	P	70.0	16,100 J	4090 J	122 J
Thallium	F	1.0	UJ		
Vanadium	P	6.0			
Zinc	P	5.0	61.0	45.0	6.0
Cyanide	A	10.0	UJ	UJ	UJ
Phenols	S	100	UJ	UJ	UJ

NOTES:

- - Element was not detected.
- J - Quantitation is approximate due to limitations identified in the quality assurance review.
- U - This result should be considered "not-detected" since this constituent was detected in a laboratory blank(s) at a similar level.
- R - Unreliable results - Analyte may or may not be present in this sample.
- UJ - Not detected, but the detection limit is probably higher than reported based upon a low bias identified during the quality assurance review.
- NA - Not analyzed. See quality assurance review.
- \* - See quality assurance review.
- (x5)- Due to a dilution required for analysis, the reported detection limit for the analyte in the sample is five times the instrument detection limit.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer
- S - Manual Spectrophotometric Analysis

300631

# Anson Environmental

Environmental Audits  
Hazardous Waste  
Asbestos Management  
Groundwater Remediation  
Storage Tank Management  
Impact Statements  
Wetland Investigations

Copy Mailed to  
Susan Stoloff  
on 9/30/92 for Risk Assess

256 Main Street  
Northport, NY 11768  
516-757-7090  
(fax) 516-757-1229

August 13, 1992

Mr. Tom Taccone, Project Manager  
United States Environmental Protection Agency  
Region II  
26 Federal Plaza  
New York, NY 10278

Re: Anchor Chemical Superfund Site  
Administrative Order No. II CERCLA-90208

Dear Mr. Taccone,

Enclosed please find the validated data from the soil and groundwater samples taken at the above referenced site. It is divided by sampling event.

We trust this information is satisfactory for your purposes.

Very truly yours,



Dean Anson II  
Co-Facility Coordinator

Enclosure

cc: F. Werfel, Spiegel Associates

300632



Composite Soil Sampling from drums  
(soil originally brought onto the site to sand the parking lot)

300633



ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 1
Anson Environmental Sample Number	Sample #1 #2 #3	
Story Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
ORGANIC ELEMENTS		
Benzene	5 U	
Carbon Tetrachloride	5 U	
Chlorobenzene	5 U	
Chloroform	5 U	
1,2-Dichloroethane	5 U	
1,1-Dichloroethylene	5 U	
Methylethylketone	10 UR	
Tetrachloroethylene	5 U	
Chloroethylene	5 U	
Vinyl Chloride	12 U	
Date Sample Collected	11/6/91	
Date Leachate Generated	11/12/91	
Date Leachate Analyzed	11/13/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported quantitation limits are recovery-corrected.

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 2
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/l	
SEMI-VOLATILE ELEMENTS		
Pyridine	250 UJ	
2,4-Dinitrotoluene	62 UJ	
Hexachlorobenzene	41 UJ	
Hexachloro-1,3-butadiene	44 UJ	
Hexachloroethane	62 UJ	
Nitrobenzene	54 UJ	
1,4-Dichlorobenzene	57 UJ	
Methylphenols (total)	62 UJ	
Pentachlorophenol	190 UJ	
2,4,5-Trichlorophenol	270 UJ	
2,4,6-Trichlorophenol	51 UJ	
Date Sample Collected	11/6/91	
Date Leachate Generated	11/15/91	
Date Leachate Extracted	11/18/91	
Date Leachate Analyzed	11/25/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported quantitation limits are recovery-corrected.

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 3
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
ORGANOCHLORINE PESTICIDES		
gamma-BHC	0.23 UJ	
Heptachlor	0.21 UJ	
Heptachlor Epoxide	0.20 UJ	
Endrin	0.38 UJ	
Methoxychlor	2.2 UJ	
Chlordane	1.7 UJ	
Toxaphene	3.3 UJ	
Date Sample Collected	11/6/91	
Date Leachate Generated	11/15/91	
Date Leachate Extracted	11/18/91	
Date Extract Analyzed	11/23/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported quantitation limits are recovery-corrected except for chlordane and toxaphene.

300636

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 4
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/l	
HERBICIDES		
2,4-D	263 UJ	
2,4,5-TP (Silvex)	52 UJ	
2,4,5-T	61 UJ	
Date Sample Collected	11/6/91	
Date Leachate Generated	11/15/91	
Date Leachate Extracted	11/19/91	
Date Extract Analyzed	11/25/91	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- UR This compound was analyzed for but was not detected; however, the analysis was deemed unreliable.

The reported quantitation limits are recovery-corrected.

ORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 5
Anson Environmental Sample Number	Sample #1 #2 #3	
Laboratory Sample Number	910614-01	
Remarks	Composite Sample	
Units	ug/L	
TCCLP METALS		
Arsenic	84.5 U	
Barium	167	
Cadmium	4.7 U	
Chromium	6.9 U	
Lead	57.3 U	
Mercury	0.23 UJ	
Selenium	95.9 U	
Silver	3.5 U	

NOTES:

- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

The reported positive result and quantitation limits are recovery-corrected.

Drywell sediment sampling

300639

DATE	DESCRIPTION	AMOUNT	DATE	DESCRIPTION	AMOUNT	DATE	DESCRIPTION	AMOUNT	DATE	DESCRIPTION	AMOUNT	DATE	DESCRIPTION	AMOUNT
2/23/51	Initial Sample	2.00	3/3/51	Initial Sample	3.00	4/4/51	Initial Sample	4.00	5/5/51	Initial Sample	5.00	6/6/51	Initial Sample	6.00
7/7/51	Initial Sample	7.00	8/8/51	Initial Sample	8.00	9/9/51	Initial Sample	9.00	10/10/51	Initial Sample	10.00	11/11/51	Initial Sample	11.00
12/12/51	Initial Sample	12.00	1/13/52	Initial Sample	13.00	2/14/52	Initial Sample	14.00	3/15/52	Initial Sample	15.00	4/16/52	Initial Sample	16.00
5/17/52	Initial Sample	17.00	6/18/52	Initial Sample	18.00	7/19/52	Initial Sample	19.00	8/20/52	Initial Sample	20.00	9/21/52	Initial Sample	21.00
10/22/52	Initial Sample	22.00	11/23/52	Initial Sample	23.00	12/24/52	Initial Sample	24.00	1/25/53	Initial Sample	25.00	2/26/53	Initial Sample	26.00
3/27/53	Initial Sample	27.00	4/28/53	Initial Sample	28.00	5/29/53	Initial Sample	29.00	6/30/53	Initial Sample	30.00	7/31/53	Initial Sample	31.00
8/1/53	Initial Sample	32.00	9/2/53	Initial Sample	33.00	10/3/53	Initial Sample	34.00	11/4/53	Initial Sample	35.00	12/5/53	Initial Sample	36.00
1/6/54	Initial Sample	37.00	2/7/54	Initial Sample	38.00	3/8/54	Initial Sample	39.00	4/9/54	Initial Sample	40.00	5/10/54	Initial Sample	41.00
6/11/54	Initial Sample	42.00	7/12/54	Initial Sample	43.00	8/13/54	Initial Sample	44.00	9/14/54	Initial Sample	45.00	10/15/54	Initial Sample	46.00
11/16/54	Initial Sample	47.00	12/17/54	Initial Sample	48.00	1/18/55	Initial Sample	49.00	2/19/55	Initial Sample	50.00	3/20/55	Initial Sample	51.00
4/21/55	Initial Sample	52.00	5/22/55	Initial Sample	53.00	6/23/55	Initial Sample	54.00	7/24/55	Initial Sample	55.00	8/25/55	Initial Sample	56.00
9/26/55	Initial Sample	57.00	10/27/55	Initial Sample	58.00	11/28/55	Initial Sample	59.00	12/29/55	Initial Sample	60.00	1/30/56	Initial Sample	61.00
2/1/56	Initial Sample	62.00	3/2/56	Initial Sample	63.00	4/3/56	Initial Sample	64.00	5/4/56	Initial Sample	65.00	6/5/56	Initial Sample	66.00
7/6/56	Initial Sample	67.00	8/7/56	Initial Sample	68.00	9/8/56	Initial Sample	69.00	10/9/56	Initial Sample	70.00	11/10/56	Initial Sample	71.00
12/11/56	Initial Sample	72.00	1/12/57	Initial Sample	73.00	2/13/57	Initial Sample	74.00	3/14/57	Initial Sample	75.00	4/15/57	Initial Sample	76.00
5/16/57	Initial Sample	77.00	6/17/57	Initial Sample	78.00	7/18/57	Initial Sample	79.00	8/19/57	Initial Sample	80.00	9/20/57	Initial Sample	81.00
10/21/57	Initial Sample	82.00	11/22/57	Initial Sample	83.00	12/23/57	Initial Sample	84.00	1/24/58	Initial Sample	85.00	2/25/58	Initial Sample	86.00
3/26/58	Initial Sample	87.00	4/27/58	Initial Sample	88.00	5/28/58	Initial Sample	89.00	6/29/58	Initial Sample	90.00	7/30/58	Initial Sample	91.00
8/31/58	Initial Sample	92.00	9/1/59	Initial Sample	93.00	10/2/59	Initial Sample	94.00	11/3/59	Initial Sample	95.00	12/4/59	Initial Sample	96.00
1/5/60	Initial Sample	97.00	2/6/60	Initial Sample	98.00	3/7/60	Initial Sample	99.00	4/8/60	Initial Sample	100.00	5/9/60	Initial Sample	101.00
6/10/60	Initial Sample	102.00	7/11/60	Initial Sample	103.00	8/12/60	Initial Sample	104.00	9/13/60	Initial Sample	105.00	10/14/60	Initial Sample	106.00
11/15/60	Initial Sample	107.00	12/16/60	Initial Sample	108.00	1/17/61	Initial Sample	109.00	2/18/61	Initial Sample	110.00	3/19/61	Initial Sample	111.00
4/20/61	Initial Sample	112.00	5/21/61	Initial Sample	113.00	6/22/61	Initial Sample	114.00	7/23/61	Initial Sample	115.00	8/24/61	Initial Sample	116.00
9/25/61	Initial Sample	117.00	10/26/61	Initial Sample	118.00	11/27/61	Initial Sample	119.00	12/28/61	Initial Sample	120.00	1/29/62	Initial Sample	121.00
2/30/62	Initial Sample	122.00	3/31/62	Initial Sample	123.00	4/1/62	Initial Sample	124.00	5/2/62	Initial Sample	125.00	6/3/62	Initial Sample	126.00
7/4/62	Initial Sample	127.00	8/5/62	Initial Sample	128.00	9/6/62	Initial Sample	129.00	10/7/62	Initial Sample	130.00	11/8/62	Initial Sample	131.00
12/9/62	Initial Sample	132.00	1/10/63	Initial Sample	133.00	2/11/63	Initial Sample	134.00	3/12/63	Initial Sample	135.00	4/13/63	Initial Sample	136.00
5/14/63	Initial Sample	137.00	6/15/63	Initial Sample	138.00	7/16/63	Initial Sample	139.00	8/17/63	Initial Sample	140.00	9/18/63	Initial Sample	141.00
10/19/63	Initial Sample	142.00	11/20/63	Initial Sample	143.00	12/21/63	Initial Sample	144.00	1/22/64	Initial Sample	145.00	2/23/64	Initial Sample	146.00
3/24/64	Initial Sample	147.00	4/25/64	Initial Sample	148.00	5/26/64	Initial Sample	149.00	6/27/64	Initial Sample	150.00	7/28/64	Initial Sample	151.00
8/29/64	Initial Sample	152.00	9/30/64	Initial Sample	153.00	10/1/64	Initial Sample	154.00	11/2/64	Initial Sample	155.00	12/3/64	Initial Sample	156.00
1/4/65	Initial Sample	157.00	2/5/65	Initial Sample	158.00	3/6/65	Initial Sample	159.00	4/7/65	Initial Sample	160.00	5/8/65	Initial Sample	161.00
6/9/65	Initial Sample	162.00	7/10/65	Initial Sample	163.00	8/11/65	Initial Sample	164.00	9/12/65	Initial Sample	165.00	10/13/65	Initial Sample	166.00
11/14/65	Initial Sample	167.00	12/15/65	Initial Sample	168.00	1/16/66	Initial Sample	169.00	2/17/66	Initial Sample	170.00	3/18/66	Initial Sample	171.00
4/19/66	Initial Sample	172.00	5/20/66	Initial Sample	173.00	6/21/66	Initial Sample	174.00	7/22/66	Initial Sample	175.00	8/23/66	Initial Sample	176.00
9/24/66	Initial Sample	177.00	10/25/66	Initial Sample	178.00	11/26/66	Initial Sample	179.00	12/27/66	Initial Sample	180.00	1/28/67	Initial Sample	181.00
2/29/67	Initial Sample	182.00	3/30/67	Initial Sample	183.00	4/31/67	Initial Sample	184.00	5/1/67	Initial Sample	185.00	6/2/67	Initial Sample	186.00
7/3/67	Initial Sample	187.00	8/4/67	Initial Sample	188.00	9/5/67	Initial Sample	189.00	10/6/67	Initial Sample	190.00	11/7/67	Initial Sample	191.00
12/8/67	Initial Sample	192.00	1/9/68	Initial Sample	193.00	2/10/68	Initial Sample	194.00	3/11/68	Initial Sample	195.00	4/12/68	Initial Sample	196.00
5/13/68	Initial Sample	197.00	6/14/68	Initial Sample	198.00	7/15/68	Initial Sample	199.00	8/16/68	Initial Sample	200.00	9/17/68	Initial Sample	201.00
10/18/68	Initial Sample	202.00	11/19/68	Initial Sample	203.00	12/20/68	Initial Sample	204.00	1/21/69	Initial Sample	205.00	2/22/69	Initial Sample	206.00
3/23/69	Initial Sample	207.00	4/24/69	Initial Sample	208.00	5/25/69	Initial Sample	209.00	6/26/69	Initial Sample	210.00	7/27/69	Initial Sample	211.00
8/28/69	Initial Sample	212.00	9/29/69	Initial Sample	213.00	10/30/69	Initial Sample	214.00	11/31/69	Initial Sample	215.00	12/1/70	Initial Sample	216.00
1/2/70	Initial Sample	217.00	2/3/70	Initial Sample	218.00	3/4/70	Initial Sample	219.00	4/5/70	Initial Sample	220.00	5/6/70	Initial Sample	221.00
6/7/70	Initial Sample	222.00	7/8/70	Initial Sample	223.00	8/9/70	Initial Sample	224.00	9/10/70	Initial Sample	225.00	10/11/70	Initial Sample	226.00
11/12/70	Initial Sample	227.00	12/13/70	Initial Sample	228.00	1/14/71	Initial Sample	229.00	2/15/71	Initial Sample	230.00	3/16/71	Initial Sample	231.00
4/17/71	Initial Sample	232.00	5/18/71	Initial Sample	233.00	6/19/71	Initial Sample	234.00	7/20/71	Initial Sample	235.00	8/21/71	Initial Sample	236.00
9/22/71	Initial Sample	237.00	10/23/71	Initial Sample	238.00	11/24/71	Initial Sample	239.00	12/25/71	Initial Sample	240.00	1/26/72	Initial Sample	241.00
2/27/72	Initial Sample	242.00	3/28/72	Initial Sample	243.00	4/29/72	Initial Sample	244.00	5/30/72	Initial Sample	245.00	6/31/72	Initial Sample	246.00
7/1/72	Initial Sample	247.00	8/2/72	Initial Sample	248.00	9/3/72	Initial Sample	249.00	10/4/72	Initial Sample	250.00	11/5/72	Initial Sample	251.00
12/6/72	Initial Sample	252.00	1/7/73	Initial Sample	253.00	2/8/73	Initial Sample	254.00	3/9/73	Initial Sample	255.00	4/10/73	Initial Sample	256.00
5/11/73	Initial Sample	257.00	6/12/73	Initial Sample	258.00	7/13/73	Initial Sample	259.00	8/14/73	Initial Sample	260.00	9/15/73	Initial Sample	261.00
10/16/73	Initial Sample	262.00	11/17/73	Initial Sample	263.00	12/18/73	Initial Sample	264.00	1/19/74	Initial Sample	265.00	2/20/74	Initial Sample	266.00
3/21/74	Initial Sample	267.00	4/22/74	Initial Sample	268.00	5/23/74	Initial Sample	269.00	6/24/74	Initial Sample	270.00	7/25/74	Initial Sample	271.00
8/26/74	Initial Sample	272.00	9/27/74	Initial Sample	273.00	10/28/74	Initial Sample	274.00	11/29/74	Initial Sample	275.00	12/30/74	Initial Sample	276.00
1/31/75	Initial Sample	277.00	2/1/75	Initial Sample	278.00	3/2/75	Initial Sample	279.00	4/3/75	Initial Sample	280.00	5/4/75	Initial Sample	281.00
6/5/75	Initial Sample	282.00	7/6/75	Initial Sample	283.00	8/7/75	Initial Sample	284.00	9/8/75	Initial Sample	285.00	10/9/75	Initial Sample	286.00
11/10/75	Initial Sample	287.00	12/11/75	Initial Sample	288.00	1/12/76	Initial Sample	289.00	2/13/76	Initial Sample	290.00	3/14/76	Initial Sample	291.00
4/15/76	Initial Sample	292.00	5/16/76	Initial Sample	293.00	6/17/76	Initial Sample	294.00	7/18/76	Initial Sample	295.00	8/19/76	Initial Sample	296.00
9/20/76	Initial Sample	297.00	10/21/76	Initial Sample	298.00	11/22/76	Initial Sample	299.00	12/23/76	Initial Sample	300.00	1/24/77	Initial Sample	301.00
2/25/77	Initial Sample	302.00	3/26/77	Initial Sample	303.00	4/27/77	Initial Sample	304.00	5/28/77	Initial Sample	305.00	6/29/77	Initial Sample	306.00
7/30/77	Initial Sample	307.00	8/31/77	Initial Sample	308.00	9/1/77	Initial Sample	309.00	10/2/77	Initial Sample	310.00	11/3/77	Initial Sample	311.00
12/4/77	Initial Sample	312.00	1/5/78	Initial Sample	313.00	2/6/78	Initial Sample	314.00	3/7/78	Initial Sample	315.00	4/8/78	Initial Sample	316.00
5/9/78	Initial Sample	317.00	6/10/78	Initial Sample	318.00	7/11/78	Initial Sample	319.00	8/12/78	Initial Sample	320.00	9/13/78	Initial Sample	321.00
10/14/78	Initial Sample	322.00	11/15/78	Initial Sample	323.00	12/16/78	Initial Sample	324.00	1/17/79	Initial Sample	325.00	2/18/79	Initial Sample	326.00
3/19/79	Initial Sample	327.00	4/20/79	Initial Sample	328.00	5/21/79	Initial Sample	329.00	6/22/79	Initial Sample	330.00	7/23/79	Initial Sample	331.00
8/24/79	Initial Sample	332.00	9/25/79	Initial Sample	333.00	10/26/79	Initial Sample	334.00	11/27/79	Initial Sample	335.00	12/28/79	Initial Sample	336.00
1/29/80	Initial Sample	337.00	2/20/80	Initial Sample	338.00	3/31/80	Initial Sample	339.00	4/1/80	Initial Sample	340.00	5/2/80	Initial Sample	341.00
6/3/80	Initial Sample	342.00	7/4/80	Initial Sample	343.00	8/5/80	Initial Sample	344.00	9/6/80	Initial Sample	345.00	10/7/80	Initial Sample	346.00
11/8/80	Initial Sample	347.00	12/9/80	Initial Sample	348.00	1/10/81	Initial Sample	349.00	2/11/81	Initial Sample	350.00	3/12/81	Initial Sample	351.00
4/13/81	Initial Sample	352.00	5/14/81	Initial Sample	353.00	6/15/81	Initial Sample	354.00	7/16/81	Initial Sample	355.00	8/17/81	Initial Sample	356.00
9/18/81	Initial Sample	357.00	10/19/81	Initial Sample	358.00	11/20/81	Initial Sample							





EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number	DW2	DW3	DW4	Trip Blank B10	DW1	DW5	DW6	DW7	DW8	DW9	DW10	RD-L	Trip Blank B11	DW125/RSO
Laboratory Sample Number	0095-01	0095-02	0095-03	0095-04	0103-01	0103-02	0103-03	0103-04	0103-05	0103-06	0103-07	0103-10	0103-11	0103-08
Remarks	Analyzed Twice	Analyzed Twice	Analyzed Twice		Analyzed Twice	Analyzed Twice			Analyzed Twice					Duplicate of DW1
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg
SEMI-VOLATILE COMPOUNDS	Quant. Limit (Aq)	Quant. Limit (Sol)												Analyzed Twice
Phenol	10	330		NA									NA	
bis(2-Chloroethyl)ether	10	330		NA									NA	
2-Chlorophenol	10	330		NA									NA	
1,3-Dichlorobenzene	10	330		NA									NA	
1,4-Dichlorobenzene	10	330		NA									NA	
Benzyl Alcohol	10	330		NA									NA	
1,2-Dichlorobenzene	10	330		NA									NA	
2-Nitrophenol	10	330		NA									NA	
bis(2-Chloroisopropyl)ether	10	330		NA									NA	
4-Nitrophenol	10	330		NA									NA	
N-Nitroso-di-n-Propylamine	10	330		NA	03/03								NA	03/03
Hexachloroethane	10	330		NA									NA	
1,1,1-Trichloroethane	10	330		NA									NA	
Isophorone	10	330		NA									NA	
2-Nitrophenol	10	330		NA									NA	
2,4-Dimethylphenol	10	330		NA									NA	
Benzoic Acid	50	1650		NA									NA	
bis(2-Chloroethoxy)methane	10	330		NA									NA	
2,4-Dichlorophenol	10	330		NA									NA	
1,2,4-Trichlorobenzene	10	330		NA	03/03								NA	03/03
Naphthalene	10	330	3000/3500	NA									NA	
4-Chloroaniline	10	330		NA									NA	
Hexachlorocyclopentadiene	10	330		NA									NA	
4-Chloro-3-Nitrophenol	10	330		NA									NA	
2-Nitronaphthalene	10	330	4100/3900	NA									NA	

300642

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS															-page 4		
Anson Environmental Sample Number			DM2	DM3	DM4	Trip Blank 010	DM1	DM5	DM6	DM7	DM8	DM9	DRAIN	RO-1	Trip Blank 011	DM10/MSD	
Laboratory Sample Number			0095-01	0095-02	0095-03	0095-04	0103-01	0103-02	0103-03	0103-04	0103-05	0103-06	0103-07	0103-10	0103-11	0103-08	
Remarks			Analyzed Twice	Analyzed Twice	Analyzed Twice		Analyzed Twice	Analyzed Twice			Analyzed Twice					Duplicate of DM1	
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	
SEMI-VOLATILE COMPOUNDS	Quant. Limit (Aq)	Quant. Limit (Sol)													Analyzed Twice		
Hexachlorocyclopentadiene	10	330				NA										NA	
2,4,6-Trichlorophenol	10	330				NA										NA	
2,4,5-Trichlorophenol	50	1650				NA										NA	
2-Chloronaphthalene	10	330				NA										NA	
2-Nitroaniline	50	1650	R/-	R/-		NA			R	R	R/-	R	R			NA	-/R
Dimethylphthalate	10	330				NA										NA	
Acenaphthylene	10	330				NA										NA	
3-Nitroaniline	50	1650				NA										NA	
Acenaphthene	10	330				NA										NA	
2,4-Dinitrophenol	50	1650				NA										NA	
4-Dinitrophenol	50	1650				NA										NA	
Benzofuran	10	330				NA										NA	
2,4-Dinitrotoluene	10	330				NA										NA	
2,6-Dinitrotoluene	10	330				NA										NA	
Diethylphthalate	10	330				NA										NA	
4-Chlorophenylphenylether	10	330				NA										NA	
Fluorene	10	330				NA										NA	
4-Nitroaniline	50	1650				NA										NA	
4,6-Dinitro-2-Methylphenol	50	1650				NA										NA	
8-Nitrodiphenylamine	10	330				NA										NA	
4-Bromophenylphenylether	10	330				NA										NA	
Hexachlorobenzene	10	330				NA										NA	
Pentachlorophenol	50	1650				NA										NA	
Phenanthrene	10	330	370 J/320 J		260 J/310 J	NA					1000 J/1500 J	260 J	190 J			NA	70 J/81 J

300643

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS			ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS													
Aroson Environmental Sample Number			MM2	MM3	MM4	Trip Blank 010	MM1	MM5	MM6	MM7	MM8	MM9	DRAIN	RS-1	Trip Blank 011	MM105/RS0
Laboratory Sample Number			0095-01	0095-02	0095-03	0095-04	0103-01	0103-02	0103-03	0103-04	0103-05	0103-06	0103-07	0103-10	0103-11	0105-00
Remarks			Analyzed Twice	Analyzed Twice	Analyzed Twice		Analyzed Twice	Analyzed Twice			Analyzed Twice					Duplicate of MM1
Units			ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg
SEMI-VOLATILE COMPOUNDS	Quant. Limit (Aq)	Quant. Limit (Sol)														Analyzed Twice
	Anthracene	10	330				NA					390 J/-			NA	
01-n-Butylphthalate	10	330	2400 J/2500 J			NA	63 J/72 J					400 J		NA		-/47 J
Fluoranthene	10	330	300 J/-		700 J/810 J	NA					3700/3400	440 J	410 J	NA		310 J/140 J
Pyrene	10	330			790 J/860 J	NA	-/34 J				3700/4500	340 J	320 J	NA		300 J/240 J
Butylbenzylphthalate	10	330	5100/5200	1100 J/1100 J		NA	64 J/40 J	5100				370 J	300 J	NA		300 J/170 J
3,3'-Dichlorobenzidine	20	660				NA	03/-							NA		03/-
Benzo(a)anthracene	10	330			-/490 J	NA	03/-				1600 J/-			NA		03/-
bis(2-Ethylhexyl)phthalate	10	330	25,000/27,000	26,000/21,000	7900 U/9000 U	NA	9700 U/11,000 U	1500 U/1000 U	26,000	5900 U	9600 U/12,000 U	5000 U	2700 U	NA		6300 U/5900 U
Chrysene	10	330			520 J/590 J	NA	03/-				1900 J/2000 J	250 J	230 J	NA		320 J/110 J
01-n-Butylphthalate	10	330	03/03	03/03	03/03	NA	03/03	03/03			03/03			NA		160 J/03
Benzo(b)fluoranthene	10	330	03/03	03/03	1000 J/1000 J	NA	03/03	03/03			2900 J/2700 J			NA		310 J/120 J
Benzo(k)fluoranthene	10	330	03/03	03/03	560 J/500 J	NA	03/03	03/03			3700 J/1700 J			NA		72 J/70 J
Benzo(a)pyrene	10	330	03/03	03/03	500 J/590 J	NA	03/03	03/03			1400 J/1100 J			NA		03/03
Indeno(1,2,3-cd)pyrene	10	330	03/03	03/03	03/03	NA	03/03	03/03			03/1500 J			X	NA	03/03
Dibenz(a,h)anthracene	10	330	03/03	03/03	03/03	NA	03/03	03/03			03/03			0	NA	03/03
Benzo(g,h,i)perylene	10	330	03/03	03/03	03/03	NA	03/03	03/03			03/03			X	NA	03/03
Quantitation Limit Multiplier			0.40	0.09	6.97	NA	6.67	1.03	0.09	5.45	0.09	6.97	5.76	1.00	NA	1.03
Date of Sample Collection			0/10/91	0/10/91	0/10/91	NA	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	NA	0/11/91
Date Sample Received by Laboratory			0/11/91	0/11/91	0/11/91	NA	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	NA	0/12/91
Date Sample Extracted			0/14/91	0/14/91	0/14/91	NA	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	NA	0/14/91
Date of Sample Analysis			0/20 & 0/29	0/20 & 0/29	0/30 & 0/31	NA	0/30 & 0/31	0/24 & 0/30	0/27/91	0/27/91	0/27 & 0/29	0/27/91	0/20/91	0/23/91	NA	0/23 & 0/20
Instrument Used for Analysis			MS-59950	MS-59950	MS-59950	NA	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	NA	MS-59950

CLP - TENTATIVELY IDENTIFIED COMPONENTS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS													-page 6	
Aspen Environmental Sample Number	0402	0403	0404	Trip Blank 010	0401	0405	0406	0407	0408	0409	0410	0411	Trip Blank 011	0401
Laboratory Sample Number	0095-01	0095-02	0095-03	0095-04	0103-01	0103-02	0103-03	0103-04	0103-05	0103-06	0103-07	0103-10	0103-11	0103-08
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg
<b>VOLATILE COMPONENTS</b>														
Hexane	10,000 J													NA
Unknown Hydrocarbons (Number of Peaks)	55,000(5) J	71,500(10) J												
C9H12 Alkylbenzene	440,000(4) J	6000 J												
Laboratory Artifacts			10 R			5 R		0 R	10 R	10 0	23 R			
<b>SEMI-VOLATILE COMPONENTS</b>														
Saturated Hydrocarbon (Number of Peaks)	246,000(13) J / 351,500(13) J	390,000(15) J / 77,900(15) J	4000(3) J / 3400(3) J		12,970(7) J / 14,200(5) J		1500(1) J	910(1) J	67,000(4) J / 61,300(3) J	1200(1) J				7220(13) J / 10,200(15) J
C9H12 Alkylbenzenes	29,500(5) J / 92,000(4) J	15,600(2) J / 6300 J												
Unknowns (Number of Peaks)	100,300(4) J / 151,000(5) J	12,000(2) J / 15,600(4) J	4140(3) J / 3420(2) J		7370(3) J / 9200(3) J	4250(13) J / 3530(13) J	24,500(3) J		16,000(4) J / 11,000(6) J	9560(5) J	6730(4) J			6960(8) J / 3300(4) J
Decahydroanthracene Isomer	2000 J / 11,000 J	4500 J												
Alkyl-substituted Cyclohexane	3100 J / 13,000 J	13,500 J / 11,100 J			3300 J /-									
Hexadecanoic Acid	-/179,000 J													
Alkyl-substituted Phenol		3600 J /												
Oxygenated PAH		2700 J/3000 J												
C10H22 Alkylbenzene		-/2100 J	1600 J / 2500 J											
1-Phenyl-1,2-propanedione					240 J/270 J				1500 J/1500	930 J				

300645

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS															-page 7
Ascon Environmental Sample Number	DU02	DU03	DU04	Trip Blank 010	DU01	DU05	DU06	DU07	DU08	DU09	DU10	RR-1	Trip Blank 011	DU01	
Laboratory Sample Number	0095-01	0095-02	0095-03	0095-04	0103-01	0103-02	0103-03	0103-04	0103-05	0103-06	0103-07	0103-10	0103-11	0103-00	
Remarks															
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	
PESTICIDES	Quant. Limit (Aq)	Quant. Limit (Sol)													
alpha-BHC	0.05	R	103		NA	NA								NA	
beta-BHC	0.05	0		0.3	0.3	NA	NA	0.3	0.3	0.3	0.3	0.2 J	0.3	NA	
delta-BHC	0.05	0		R	R	NA	NA	R	0	R	R	R	R	NA	
gamma-BHC (Lindane)	0.05	0				NA	NA							NA	
Heptachlor	0.05	0		0.3	0.3	NA	NA	0.3	0.3	0.3	0.3	0.3	0.3	NA	
Aldrin	0.05	0		0.3	0.3	NA	NA	0.3	0.3	0.3	0.3	0.3	0.3	NA 5.1 J	
Heptachlor Epoxide	0.05	0		0.3	0.3	NA	NA	0.3	0.3	0.3	0.3	0.3	0.3	NA	
Endosulfan I	0.05	0				NA	NA							NA	
Dieldrin	0.10	16	106 J	07 J	16 J	NA	NA	0.3	10 J	19 J	42 J	0.3	0.3	NA	
4,4'-DDE	0.10	16	146 J	41 J	50 J	NA	NA	0.3	75 J	10 J	40 J	0.3	0.3	NA	
Endrin	0.10	16	36			NA	NA				12 J			NA	
Endosulfan II	0.10	16		R	R	NA	NA	R	R	R	R	R	R	NA	
4,4'-DDD	0.10	16		R	R	NA	NA	R	R	R	R	R	R	NA	
Endosulfan Sulfate	0.10	16		R	R	NA	NA	R	R	R	R	R	R	NA	
4,4'-DDT	0.10	16		0.3	0.3	NA	NA	0.3	0.3	0.3	0.3	0.3	0.3	NA	
Heptachlor	0.50	00	22 J	39 J	126 J	NA	NA	0.3	24 J	7.5 J	52 J	14 J	0.3	NA	
Endrin Ketone	0.10	16		R	R	NA	NA	R	R	R	R	R	R	NA	
alpha-Chlordane	0.50	00		0.3	0.3	NA	NA	0.3	0.3	0.3	0.3	0.3	0.3	NA 7.7 J	
gamma-Chlordane	0.50	00		0.3	0.3	NA	NA	0.3	0.3	3.4 J	29 J	0.3	0.3	NA 6.2 J	
Toxaphene	1.0	160				NA	NA							NA	

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300646

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number	DM2	DM3	DM4	Trip Blank B10	DM1	DM5	DM6	DM7	DM8	DM9	DM10	DM11	DM12	Trip Blank B11	DM105/MSO B11
Laboratory Sample Number	0095-01	0095-02	0095-03	0095-04	0103-01	0103-02	0103-03	0103-04	0103-05	0103-06	0103-07	0103-10	0103-10	0103-11	0103-08
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg
PCOs	Quant. Limit (Aq)	Quant. Limit (Sol)													
Aroclor-1016	0.5	00		NA	NA									NA	
Aroclor-1221	0.5	00		NA	NA									NA	
Aroclor-1232	0.5	00		NA	NA									NA	
Aroclor-1242	0.5	00		NA	NA									NA	
Aroclor-1248	0.5	00		NA	NA									NA	
Aroclor-1254	1.0	160		NA	NA									NA	
Aroclor-1260	1.0	160		NA	NA									NA	
Quantitation Limit Multiplier	0.69	0.75	0.50	NA	NA	0.43	0.75	0.49	0.74	0.59	0.48	1.00	NA	NA	0.54
Date of Sample Collection	0/10/91	0/10/91	0/10/91	NA	NA	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	NA	0/11/91
Date Sample Received by Laboratory	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/11/91	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	0/12/91	NA	0/12/91
Date Sample Extracted	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	0/14/91	NA	0/14/91
Date of Sample Analysis	0/27/91	0/28/91	0/28/91	0/28/91	0/28/91	0/28/91	0/28/91	0/28/91	0/28/91	0/28/91	0/28/91	0/27/91	0/27/91	NA	0/27/91

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- DJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300647

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Ascom Environmental Sample Number	DM01 25'-27'	DM01 30'-32'	Field Blank 021	DM06 35'-37'	DM06 30'-32'	Trip Blank 022	Field Blank 022	DM07 40'-42'	DM07 45'-47'	DM07 55'-57'	DM07A 45'-47'	Field Blank 023	Trip Blank 0231	Trip 023		
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	022		
Remarks										Analyzed Twice	Duplicate of DM07 45'-47'					
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug		
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)														
Chloroethane	10	10														
Bromoethane	10	10														
Vinyl Chloride	10	10														
Chloroethane	10	10														
Methylene Chloride	5	5	1500 U	1200 U	4 J	1000 U	5 W	4 J	4 J	5 W	5 U	6 W/7 W	5 U	4 J	4 J	5
Acetone	10	10	5400 R	4000 R	46 J	4200 R	22 R		58 J	5 R	5 R	9 R/11 R	3 R	22 J		
Carbon Disulfide	5	5														
1,1-Dichloroethane	5	5														
1,1-Dichloroethane	5	5														
Total 1,2-Dichloroethane	5	5														
Chloroform	5	5														
1,2-Dichloroethane	5	5														
2-Butanone	10	10														
1,1,1-Trichloroethane	5	5														
Carbon Tetrachloride	5	5														
Vinyl Acetate	10	10														
Bromodichloromethane	5	5														
1,1,2,2-Tetrachloroethane	5	5														
1,2-Dichloropropane	5	5														
Trans-1,3-Dichloropropene	5	5														
Trichloroethane	5	5														
Dibromochloromethane	5	5														
1,1,2-Trichloroethane	5	5														
Benzene	5	5														

300648

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														
Ascon Environmental Sample Number	0200-01	0200-02	Field Blank 021	0215-01	0215-02	Trip Blank 022	Field Blank 022	0224-01	0224-02	0224-03	0224-04	Field Blank 023	Trip Blank 0231	Trip 023
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	0224-07
Remarks										Analyzed Twice	Duplicate of 0200-01			
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (ug)												
cis-1,3-Dichloropropene	5	5												
Bromoform	5	5												
2-Hexanone	10	10												
4-Ethyl-2-Pentanone	10	10												
Tetrachloroethene	5	5												
Toluene	5	5		UJ										
Chlorobenzene	5	5		UJ										
Ethylbenzene	5	5		UJ										
Styrene	5	5		UJ										
Total Xylenes	5	5		UJ										
Quantitation Limit Multiplier	130	130	1.0	130	1.1	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.0	
Date of Sample Collection	8/21/91	8/21/91	8/21/91	8/22/91	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91	8/23/91
Date Sample Received by Laboratory	8/22/91	8/22/91	8/22/91	8/23/91	8/23/91	8/23/91	8/23/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91	8/24/91
Date of Sample Analysis	8/30/91	8/30/91	8/29/91	8/30/91	8/29/91	8/29/91	8/29/91	8/29/91	8/29/91	8/29 & 8/30	8/29/91	8/29/91	8/29/91	8/29/91
Instrument Used for Analysis	NS-5995 C	NS-5995 C	NS-5995 B	NS-5995 C	NS-5995 A	NS-5995 B	NS-5995 B	NS-5995 A	NS-5995 A	NS-5995 A	NS-5995 A	NS-5995 B	NS-5995 B	NS-5995 B

NOTES:

- Compound was not detected.
- U This compound should be considered "not-d-e-t-e-c-t-e-d" since it was detected in a blank at a similar level.
- B Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300649



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Ames Environmental Sample Number	DM1 25'-27'	DM1 30'-32'	Field Blank 021	DM6 35'-37'	DM6 30'-32'	Trip Blank 022	Field Blank 022	DM7 40'-42'	DM7 45'-47'	DM7 55'-57'	DM7A 45'-47'	Field Blank 023	Trip Blank 0231	Trip 023	
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	022	
Remarks															
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)										Duplicate of DM7 45'-47'			
Phenol	10	330					NA							NA	
bis(2-Chloroethyl)ether	10	330					NA							NA	
2-Chlorophenol	10	330					NA							NA	
1,3-Dichlorobenzene	10	330					NA							NA	
1,4-Dichlorobenzene	10	330					NA							NA	
Benzyl Alcohol	10	330					NA							NA	
1,2-Dichlorobenzene	10	330					NA							NA	
2-Methylphenol	10	330					NA							NA	
bis(2-Chloroisopropyl)ether	10	330					NA							NA	
4-Methylphenol	10	330					NA							NA	
N-Nitroso-di-n-Propylamine	10	330					NA							NA	
Hexachloroethane	10	330					NA							NA	
Nitrobenzene	10	330					NA							NA	
Isophorone	10	330					NA							NA	
2-Nitrophenol	10	330					NA							NA	
2,4-Diethylphenol	10	330					NA							NA	
Benzoic Acid	50	1650					NA							NA	
bis(2-Chloroethoxy)ethane	10	330					NA							NA	
2,4-Dichlorophenol	10	330					NA							NA	
1,2,4-Trichlorobenzene	10	330					NA							NA	
Naphthalene	10	330					NA							NA	
4-Chloroaniline	10	330					NA							NA	
Hexachlorobutadiene	10	330					NA							NA	
4-Chloro-3-Methylphenol	10	330					NA							NA	
2-Methylnaphthalene	10	330					NA							NA	

300650

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number	BM01 25'-27'	BM01 30'-32'	Field Blank 021	BM06 35'-37'	BM06 30'-32'	Trip Blank 022	Field Blank 022	BM07 40'-42'	BM07 05'-47'	BM07 55'-57'	BM07A 45'-47'	Field Blank 023	Trip Blank 023	Trip 0 027	
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	0224	
Remarks															
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug	
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)									Duplicate of BM07 45'-47'				
Hexachlorocyclopentadiene	10	330				NA								NA	NA
2,4,6-Trichlorophenol	10	330				NA								NA	NA
2,4,5-Trichlorophenol	50	1650				NA								NA	NA
2-Chloronaphthalene	10	330				NA								NA	NA
2-Nitroaniline	50	1650		0		NA								NA	NA
Bis(2-ethylhexyl)phthalate	10	330				NA								NA	NA
Acenaphthylene	10	330				NA								NA	NA
3-Nitroaniline	50	1650				NA								NA	NA
Acenaphthene	10	330				NA								NA	NA
2,4-Dinitrophenol	50	1650				NA								NA	NA
4-Nitrophenol	50	1650				NA								NA	NA
Benzofuran	10	330				NA								NA	NA
2,4-Dinitrotoluene	10	330				NA								NA	NA
2,6-Dinitrotoluene	10	330				NA								NA	NA
Diethylphthalate	10	330				NA								NA	NA
4-Chlorophenylphenylether	10	330				NA								NA	NA
Fluorene	10	330				NA								NA	NA
4-Nitroaniline	50	1650				NA								NA	NA
4,6-Dinitro-2-Nethylphenol	50	1650				NA								NA	NA
N-Nitrosodiphenylamine	10	330				NA								NA	NA
4-Bromophenylphenylether	10	330				NA								NA	NA
Hexachlorobenzene	10	330				NA								NA	NA
Pentachlorophenol	50	1650				NA								NA	NA
Phenanthrene	10	330				NA								NA	NA

300651

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 13
Amoco Environmental Sample Number	BM1 25'-27'	BM1 30'-32'	Field Blank	BM6 35'-37'	BM6 38'-32'	Trip Blank	Field Blank	BM7 40'-42'	BM7 45'-47'	BM7 55'-57'	BM7A 45'-47'	Field Blank	Trip Blank	Trip Blank
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	022	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	0224-07
Remarks														
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
SERIVOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)									Duplicate of BM7 45'-47'			
Anthracene	10	330				NA							NA	NA
Di-n-Butylphthalate	10	330				NA							NA	NA
Fluoranthene	10	330				NA							NA	NA
Pyrene	10	330				NA							NA	NA
Diethylbenzylphthalate	10	330				NA							NA	NA
3,3'-Bichlorobenzidine	20	660				NA							NA	NA
Benzo(a)anthracene	10	330				NA							NA	NA
bis(2-Ethylhexyl)phthalate	10	330	340 U	340 U	340 U	2100 U	NA		340 U				NA	NA
Chrysene	10	330				NA							NA	NA
Di-n-Octylphthalate	10	330				NA							NA	NA
Benzo(b)fluoranthene	10	330				NA							NA	NA
Benzo(k)fluoranthene	10	330				NA							NA	NA
Benzo(a)pyrene	10	330				NA							NA	NA
Indeno(1,2,3-cd)pyrene	10	330				NA							NA	NA
Bibenz(a,h)anthracene	10	330				NA							NA	NA
Benzo(g,h,i)perylene	10	330				NA							NA	NA
Quantitation Limit Multiplier	1.03	1.03	1.00	1.03	1.06	NA	1.00	1.03	1.03	1.21	1.00	1.00	NA	NA
Date of Sample Collection	0/21/91	0/21/91	0/21/91	0/22/91	0/22/91	NA	0/22/91	0/23/91	0/23/91	0/23/91	0/23/91	0/23/91	NA	NA
Date Sample Received by Laboratory	0/22/91	0/22/91	0/22/91	0/23/91	0/23/91	NA	0/23/91	0/24/91	0/24/91	0/24/91	0/24/91	0/24/91	NA	NA
Date Sample Extracted	0/24/91	0/24/91	0/23/91	0/26/91	0/26/91	NA	0/27/91	0/26/91	0/26/91	0/26/91	0/26/91	0/26/91	NA	NA
Date of Sample Analysis	0/30/91	0/30/91	0/27/91	0/30/91	0/30/91	NA	0/30/91	0/30/91	0/30/91	0/30/91	0/30/91	0/30/91	NA	NA
Instrument Used for Analysis	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	NA	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	MS-59950	NA	NA

300652

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 14
Ames Environmental Sample Number	BM1 25'-27'	BM1 30'-32'	Field Blank	BM6 35'-37'	BM6 38'-32'	Trip Blank	Field Blank	BM7 40'-42'	BM7 45'-47'	BM7 55'-57'	BM7A 45'-47'	Field Blank	Trip Blank	Trip Blank
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0231	0232
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L
COMPOUNDS											VOCs Twice	Duplicate of BM7 45'-47'		
VOLATILE COMPONENTS														
Hexane	000 R	000 R		000 R										5 J
Laboratory Artifacts			10 R			10 R	10 R	6 R	6 R	14 R/10 R	10 R		9 R	5 R
SEMI-VOLATILE COMPONENTS						NA							NA	NA
Sulfur (S0)					450 J									
Unknown (Number of Peaks)					550(2) J									

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300653

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 15
Anson Environmental Sample Number	BM01 25'-27'	BM01 30'-32'	Field Blank 021	BM06 35'-37'	BM06 38'-32'	Trip Blank 022	Field Blank 022	BM07 40'-42'	BM07 45'-47'	BM07 55'-57'	BM07A 45'-47'	Field Blank 023	Trip Blank 0231	Trip Blank 0232
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	0224-07
Remarks														
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
Pesticides	Quantitation limit (ug)	Quantitation limit (ug)									Duplicate of BM07 45'-47'			
alpha-BHC	0.05	0				NA							NA	NA
beta-BHC	0.05	0				NA							NA	NA
delta-BHC	0.05	0				NA							NA	NA
gamma-BHC (Lindane)	0.05	0				NA							NA	NA
Heptachlor	0.05	0				NA							NA	NA
Aldrin	0.05	0				NA							NA	NA
Heptachlor Epoxide	0.05	0				NA							NA	NA
Endosulfan I	0.05	0				NA							NA	NA
Dieldrin	0.10	16				NA							NA	NA
4,4'-DDE	0.10	16				NA							NA	NA
Endrin	0.10	16				NA							NA	NA
Endosulfan II	0.10	16				NA							NA	NA
4,4'-DDD	0.10	16				NA							NA	NA
Endosulfan Sulfate	0.10	16				NA							NA	NA
4,4'-DDT	0.10	16				NA							NA	NA
Methoxychlor	0.50	00				NA							NA	NA
Endrin Ketone	0.10	16				NA							NA	NA
alpha-Chlordane	0.50	00				NA							NA	NA
gamma-Chlordane	0.50	00				NA							NA	NA
Toxaphene	1.0	160				NA							NA	NA

300654

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														
Amson Environmental Sample Number	BM01 25'-27'	BM01 30'-32'	Field Blank 021	BM06 35'-37'	BM06 30'-32'	Trip Blank 022	Field Blank 022	BM07 40'-42'	BM07 45'-47'	BM07 55'-57'	BM07A 45'-47'	Field Blank 023	Trip Blank 0231	Trip Blank 0232
Laboratory Sample Number	0200-01	0200-02	0200-03	0215-01	0215-02	0215-03	0215-04	0224-01	0224-02	0224-03	0224-04	0224-05	0224-06	0224-07
Remarks														
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L
PCBs	Quantitation Limit (ug)	Quantitation Limit (Sol)											Duplicate of BM07 45'-47'	
Aroclor-1016	0.5	00				NA							NA	NA
Aroclor-1221	0.5	00				NA							NA	NA
Aroclor-1232	0.5	00				NA							NA	NA
Aroclor-1242	0.5	00				NA							NA	NA
Aroclor-1248	0.5	00				NA							NA	NA
Aroclor-1254	1.0	160				NA							NA	NA
Aroclor-1260	1.0	160				NA							NA	NA
Quantitation Limit Multiplier	0.43	0.43	1.00	0.43	0.43	NA	1.02	0.43	0.43	0.50	0.41	1.00	NA	NA
Date of Sample Collection	0/23/91	0/23/91	0/23/91	0/22/91	0/22/91	NA	0/22/91	0/23/91	0/23/91	0/23/91	0/23/91	0/23/91	0/23/91	NA
Date Sample Received by Laboratory	0/22/91	0/22/91	0/22/91	0/23/91	0/23/91	NA	0/23/91	0/24/91	0/24/91	0/24/91	0/24/91	0/24/91	0/24/91	NA
Date Sample Extracted	0/24/91	0/24/91	0/26/91	0/26/91	0/26/91	NA	0/26/91	0/26/91	0/26/91	0/26/91	0/26/91	0/26/91	0/26/91	NA
Date of Sample Analysis	9/13/91	9/13/91	9/4/91	9/5/91	9/5/91	NA	9/5/91	9/5/91	9/5/91	9/6/91	9/6/91	9/4/91	NA	NA

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

**B. INORGANIC TCL DATA**

300656

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS											-page 1	
Anson Environmental Sample Number Laboratory Sample Number	DD-1 01499-125 0103-10	FBR21 01499-155 0200-03	FBR22 01499-185 0215-04	FBR23 01499-235 0224-05	DM2 00499-015 0095-01	DM3 00499-025 0095-02	DM4 00499-035 0095-03	DM1 00499-045 0103-01	DM5 00499-055 0103-02			
Percent Solids	-	-	-	-	63.2%	79.0%	77.1%	86.6%	96.7%			
Units	ug/L	ug/L	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg			
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)	Blnc Blnc	Field Blnc	Field Blnc	Field Blnc						
Aluminum	P 23.0	4.6	126	114	116	126	7030 J	4054 J	2030 J	2630 J	1500 J	
Antimony	P 32.0	6.4					5.6 J	02	02	02	02	
Arsenic	F 4.0	0.00					3.7 J	3.0 J	1.3 J	1.2 J	0.79 J	
Barium	P 5.0	1.0				5.0	90.2	44	34.4	10.2	9.7	
Beryllium	P 1.0	0.20	3.0	3.0	3.0	3.0	1.2 R	0.9 R	1.0 R	0.01 R	0.63 R	
Cadmium	P 4.0	0.00					0.7 R	2.7 R	1.5 R	2.0 R		
Calcium	P 77.0	15.4	160	104	190	145	16,300 J	22,900 J	7100 J	9700 J	1300 J	
Chromium	P 5.0	1.0		5.0	7.0	6.0	463 J	101 J	31.7 J	36.1 J	17.4 J	
Cobalt	P 17.0	3.4					0.7	7.5		4.2		
Copper	P 16.0	3.2					266 J	49.4 J	10.2 J	17.7 J	5.3 J	
Iron	P 95.0	19.0		110		270	19,500 J	11,500 J	6430 J	6410 J	3010 J	
Lead	F/P 1.0/111	0.20/22.2					4.7	1210	607	154	124	01.3
Magnesium	P 110	23.6					9350 J	10,900 J	3460 J	5200 J	950 J	
Manganese	P 2.0	0.40		4.0	2.0	7.0	152 J	94.1 J	55.9 J	54.6 J	53.3 J	
Mercury	CV 0.20	0.10	0	0	R	R	0.21 J	R	R	R	R	
Nickel	P 27.0	5.4					21.5 J	12.6 J	7.2 J	0.3 J	4.7 J	
Potassium	P 010	162					459	332	207	327	221	
Selenium	F 5.0	1.0										
Silver	P 7.0	1.4	R	R	0	R	R	R	R	R	R	
Sodium	P 110	23.6	202	375	365	310	940 J	474 J	293 R	262 R	129 R	
Thallium	F 1.0	0.20					0.33					
Vanadium	P 7.0	1.4					79.1 J	41.1 J	20.5 J	22.6 J	5.3 J	
Zinc	P 12.0	2.4					1770 J	236 J	103 J	01.3 J	24.6 J	
Cyanide	AS 10.0	2.3	R	R(5.3u)	R(7.7u)	R(5.0u)	430 J	0	0	R	R	

NOTES:  
 - Element was not detected.  
 0 This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This analyte was not detected, but the quantitation limit is probably higher due to low bias identified during the quality assurance review.  
 (R) This element was not analyzed for and not detected; however due to sample dilutions, the reported detection limit is equal to the "normal" detection limit multiplied by the factor in parentheses.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 AS - Auto Analyzer

300657



INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS											-page 2
Ames Environmental Sample Number	DM6	DM7	DM8	DM9	DM10	DM10SD	DM1 25'-27'	DM1 30'-32'	DM6 35'-37'		
Laboratory Sample Number	0103-03	00499-075	00499-085	00499-095	00499-105	00499-115	00499-135	00499-145	00499-165		
	0103-03	0103-04	0103-05	0103-06	0103-07	0103-08	0200-01	0200-02	0215-01		
Percent Solids	67.0%	82.4%	56.6%	83.1%	91.3%	79.7%	95.0%	96.3%	95.0%		
Delta	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
INORGANIC ELEMENTS	Detection limit (Aq)	Detection limit (Sol)				Duplicate of DM1					
Aluminum	P 23.0	4.6	9910 J	3310 J	11,100 J	2860 J	1410 J	2000 J	1530 J	1330 J	1150 J
Antimony	P 32.0	6.4	03	03	9.5 J	03	03	12 J	03	03	03
Arsenic	F 4.0	0.90	(10x)	1.6 J	3.6 J	1.2 J	1.5 J	1.1 J		1.6 J	2.3 J
Barium	P 5.0	1.0	02.1	15.3	56.0	23.3	20.0	15.0	5.9	6.3	4.9
Beryllium	P 1.0	0.20	1.4 R	0.91 R	1.0 R	1.1 R	0.94 R	0.85 R	0.56 R	0.66 R	0.73 R
Cadmium	P 4.0	0.00	6.2 R	1.3 R	4.4 R	1.0 R	3.0 R	1.9 R			
Calcium	P 77.0	15.4	5210 J	0130 J	22,000 J	4220 J	3650 J	6340 J	76.6 R	119 R	50.3 R
Chromium	P 5.0	1.0	240 J	54.2 J	190 J	37.4 J	71.0 J	26.6 J	2.7 R	4.1 R	6.7 J
Cobalt	P 17.0	3.4	11.2	3.1	11.3	5.4	3.4				
Copper	P 16.0	3.2	00.2 J	27.0 J	130 J	41.7 J	44.4 J	15.9 J		2.6 J	
Iron	P 95.0	19.0	20,400 J	7260 J	22,700 J	10,900 J	15,600 J	5000 J	2090 J	2390 J	3500 J
Lead	F/P 1.0/111	0.20/22.2	1120	157	1620	122	216	140	1.0	2.5	1.0
Magnesium	P 110	23.6	6070 J	3750 J	14,100 J	2010 J	1150 J	3990 J	275 J	164 J	91.9 J
Manganese	P 2.0	0.40	120 J	62.0 J	162 J	109 J	135 J	40.3 J	44.4 J	30.5 J	31.2 J
Mercury	CV 0.20	0.10	R	R	R	R	R	R	R	R	R
Nickel	P 27.0	5.4	10.9 J	9.3 J	20.4 J	11.3 J	17.4 J	5.9 J			
Potassium	P 810	162	615	186	540	260	215	249	175		
Selenium	F 5.0	1.0									
Silver	P 7.0	1.4	R	R	R	R	R	R	R	R	R
Sodium	P 110	23.6	993 J	286 R	1240 J	447 J	494 J	234 R	75.2 R	91.6 R	129 R
Thallium	F 1.0	0.20	0.20 J								
Vanadium	P 7.0	1.4	71.2 J	10.6 J	01.0 J	20.4 J	17.0 J	10 J	2.0 J	2.6 J	3.0 J
Zinc	P 12.0	2.4	512 J	70.5 J	675 J	130 J	264 J	56.5 J	4.2 J	5.4 J	4.5 J
Cyanide	AS 10.0	2.3	R	2.9 J	R	R	R	R	R	R	R

NOTES:

- Element was not detected.
- 0 This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Analyte may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 03 This analyte was not detected, but the quantitation limit is probably higher due to low bias identified during the quality assurance review.
- (R) This element was not analyzed for and not detected; however due to sample dilutions, the reported detection limit is equal to the "normal" detection limit multiplied by the factor in parentheses.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- AS - Auto Analyzer

300658

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS						-page 3	
Jason Environmental Sample Number	MM6 30'-32'	MM7 40'-42'	MM7 45'-47'	MM7 55'-57'	MM7A 45'-47'		
Laboratory Sample Number	00499-175	00499-195	00499-205	00499-215	00499-225		
	0215-02	0224-01	0224-02	0224-03	0224-04		
Remarks	96.1%	95.0%	97.4%	04.0%	97.4%		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)				Duplicate of	NOTES:
						MM7(45'-47')	
Aluminum	P 23.0	4.6	1570 J	1040 J	1680 J	070 J	655 J
Antimony	P 32.0	6.4	03	03	03	03	03
Arsenic	F 4.0	0.80	1.1 J	0.90 J	1.3 J	0.96 J	1.7 J
Barium	P 5.0	1.0	0.5	0.4	7.0	7.3	6.4
Beryllium	P 1.0	0.20	0.42 R	0.46 R	0.59 R	0.51 R	0.46 R
Cadmium	P 4.0	0.80					
Calcium	P 77.0	15.4	163 J	38.2 R	37.7 R	39.9 R	37.4 R
Chromium	P 5.0	1.0	7.6 J	3.7 R	3.5 R	3.2 R	2.9 R
Cobalt	P 17.0	3.4					
Copper	P 16.0	3.2	2.4 J				
Iron	P 95.0	19.0	2620 J	2790 J	2740 J	2520 J	2400 J
Lead	F/P 1.0/111	0.20/22.2	6.7	1.0	0.70	0.04	1.0
Magnesium	P 110	23.6	255 J	129 J	85.9 J	110 J	51.1 J
Manganese	P 2.0	0.40	52.1 J	21.2 J	38.3 J	18.9 J	14.9 J
Mercury	CV 0.20	0.10	R	R	R	R	R
Nickel	P 27.0	5.4					
Potassium	P 010	162	147				
Selenium	F 5.0	1.0					
Silver	P 7.0	1.4	R	R	R	R	R
Sodium	P 110	23.6	104 J	88.0 J	94.1 J	89.3 J	87.9 J
Thallium	F 1.0	0.20			03		
Vanadium	P 7.0	1.4	3.0 J	2.0 J	2.7 J	2.2 J	2.0 J
Zinc	P 12.0	2.4	10.5 J	5.0 J	3.3 J	3.2 J	3.2 J
Cyanide	AS 10.0	2.3	R	R	R	R	R

NOTES:  
 - Element was not detected.  
 0 This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 03 This analyte was not detected, but the quantitation limit is probably higher due to low bias identified during the quality assurance review.  
 (02) This element was not analyzed for and not detected; however, due to sample dilutions, the reported detection limit is equal to the "normal" detection limit multiplied by the factor in parentheses.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 AS - Auto Analyzer

300659

TCLP Results from the Tank 16 Water  
(drummed by Enroserv under supervision of Roux Associates)

300660

**C. TCLP DATA**

300661

ORGANIC ANALYSIS - ANALYTICAL RESULTS -page 1	
Anson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Remarks	
Units	ug/L
ORGANIC ELEMENTS	
Benzene	7 U
Carbon Tetrachloride	6 U
Chlorobenzene	7 U
Chloroform	6 U
1,2-Dichloroethane	6 U
1,1-Dichloroethylene	5 U
Methylethylketone	12 U
Tetrachloroethylene	6 U
Trichloroethylene	6 U
Vinyl Chloride	11 U
Pyridine	2300 U
Date Sample Collected	6/11/91
Date Leachate Generated	6/18/91
Date Leachate Analyzed	6/20/91

NOTES:

- Compound was not detected.
- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.

The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.

TENTATIVELY IDENTIFIED COMPOUNDS	
Anson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Units	ug/L
Unknown	8 J
Acetone	310 R
Methylene Chloride	200 J

300662

ORGANIC ANALYSIS - ANALYTICAL RESULTS -page 2	
Anson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Remarks	
Units	ug/L
SEMIVOLATILE ELEMENTS	
2,4-Dinitrotoluene	52 U
Hexachlorobenzene	46 U
Hexachloro-1,3-butadiene	46 U
Hexachloroethane	59 U
Nitrobenzene	38 U
1,4-Dichlorobenzene	52 U
Methylphenols (total)	52 U
Pentachlorophenol	260 U
2,4,5-Trichlorophenol	270 U
2,4,6-Trichlorophenol	53 U
Date Sample Collected	6/11/91
Date Leachate Generated	6/17/91
Date Leachate Extracted	6/18/91
Date Leachate Analyzed	6/20/91

NOTES:

- Compound was not detected.
- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.

The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.

ORGANIC ANALYSIS - ANALYTICAL RESULTS -page 3	
Anson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Remarks	
Units	ug/L
ORGANOCHLORINE PESTICIDES	
gamma-BHC	0.21 U
Heptachlor	0.17 U
Heptachlor Epoxide	0.17 U
Endrin	0.33 U
Methoxychlor	0.19 U
Toxaphene	3.3 U
Chlordane	0.16 U
Date Sample Collected	6/11/91
Date Leachate Generated	?
Date Leachate Extracted	6/18/91
Date Extract Analyzed	6/21/91

NOTES:

- Compound was not detected.
- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.

The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.

ORGANIC ANALYSIS - ANALYTICAL RESULTS -page 4	
Anson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Remarks	
Units	ug/L
HERBICIDES	
2,4-D	140 UR
2,4,5-TP (Silvex)	50 UR
Date Sample Collected	6/11/91
Date Leachate Generated	6/28/91
Date Leachate Extracted	7/2/91
Date Extract Analyzed	7/9/91

NOTES:

- Compound was not detected.
- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.
- UR This compound was analyzed for but was not detected; however, the analysis was deemed unreliable.

The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.



ORGANIC ANALYSIS - ANALYTICAL RESULTS -page 5	
Anson Environmental Sample Number	TANK 16
Laboratory Sample Number	910312-01
Remarks	
Units	ug/L
TCLP METALS	
Arsenic	300 J
Barium	20 R
Cadmium	10 U
Chromium	10 U
Lead	100 U
Mercury	0.8 U
Selenium	300 U
Silver	20 U
CHARACTERISTICS	
Flashpoint (at 200 F)	No
pH	7.02
Reactive Cyanide	500 U
Reactive Sulfide	2000 U

NOTES:

- Compound was not detected.
- U This compound was analyzed for but was not detected at or above the level indicated.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to low bias during the quality assurance review.

The reported quantitation limits are recovery corrected with the exception of toxaphene and chlordane.

Soil Samples from Indoor Borings #1 and #2

300667

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 1
Anson Environmental Sample Number	1001 10-12'	1001 15-17'	Field Blanks	1002 10-12'	1002 15-17'	1002 5-7'	Field Blanks	Trip Blank	
Laboratory Sample Number	1201051-	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	
VOLATILE COMPOUNDS	Quantitation Limit								
Chloromethane	10								
Bromomethane	10								
Vinyl Chloride	10								
Chloroethane	10								
Methylene Chloride	5	5 U	5 U	4	5 U	5 U	5 U	3	3
Acetone	10	10 U	10 U	16	10 U	10 U	10 U	22	37
Carbon Disulfide	5								
1,1-Dichloroethane	5								
1,1-Dichloroethane	5								
Total 1,2-Dichloroethane	5								
Chloroform	5			21				27	
1,2-Dichloroethane	5								
2-Butanone	10								
1,1,1-Trichloroethane	5								
Carbon Tetrachloride	5								
Vinyl Acetate	10								
Bromodichloromethane	5								
1,1,2,2-Tetrachloroethane	5								
1,2-Dichloropropane	5								
trans-1,3-Dichloropropene	5								
Trichloroethene	5								
Dibromochloromethane	5								
1,1,2-Trichloroethane	5								
Benzene	5								

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- U Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300658

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 2
Anson Environmental Sample Number-	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank	
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	NOTES:
VOLATILE COMPOUNDS	Quantitation	Limit							- Compound was not detected.
									U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
cis-1,3-Dichloropropene	5								R Unreliable result - Compound may or may not be present in this sample.
Bromoform	5								J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
2-Hexanone	10								UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.
4-Nethyl-2-Pentanone	10								
Tetrachlorethene	5								
Toluene	5								
Chlorobenzene	5								
Ethylbenzene	5								
Styrene	5								
Total Xylenes	5								
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	
Date of Sample Collection	1/4/91	1/4/91	1/4/91	1/5/91	1/5/91	1/5/91	1/5/91	1/5/91	
Date Sample Received by Laboratory	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	
Date of Sample Analysis	1/14/92	1/14/92	1/14/92	1/14/92	1/14/92	1/14/92	1/14/92	1/14/92	
Instrument Used for Analysis	GC/MS-	5995A	5995A	5995A	5995A	5995A	5995A	5995A	

300669

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 3

Ames Environmental Sample Number	1001 10-12'	1001 15-17'	Field Blanks	1002 10-12'	1002 15-17'	1002 5-7'	Field Blanks	Trip Blank	
Laboratory Sample Number	1201031	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Phenol	10	330				NA		NA	
Bis(2-Chloroethyl)ether	10	330				NA		NA	
2-Chlorophenol	10	330				NA		NA	
1,3-Dichlorobenzene	10	330				NA		NA	
1,4-Dichlorobenzene	10	330				NA		NA	
Benzyl Alcohol	10	330				NA		NA	
1,2-Dichlorobenzene	10	330				NA		NA	
2-Methylphenol	10	330				NA		NA	
Bis(2-Chloroisopropyl)ether	10	330				NA		NA	
4-Methylphenol	10	330				NA		NA	
N-Nitroso-di-n-Propylamine	10	330				NA		NA	
Hexachloroethane	10	330				NA		NA	
Nitrobenzene	10	330				NA		NA	
Isophorone	10	330				NA		NA	
2-Nitrophenol	10	330				NA		NA	
2,4-Dimethylphenol	10	330				NA		NA	
Benzoic Acid	50	1650				NA		NA	
Bis(2-Chloroethoxy)methane	10	330				NA		NA	
2,4-Dichlorophenol	10	330				NA		NA	
1,2,4-Trichlorobenzene	10	330				NA		NA	
Naphthalene	10	330				NA		NA	
4-Chloroaniline	10	330				NA		NA	
Hexachlorobutadiene	10	330				NA		NA	
4-Chloro-3-Methylphenol	10	330				NA		NA	
2-Methylnaphthalene	10	330				NA		NA	

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300670

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 4
Anson Environmental Sample Number	1001	1001	Field Blank	1002	1002	1002	Field Blank	Trip Blank	
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (So)							
Chlorocyclopentadiene	10	330					NA	NA	
2,4,6-Trichlorophenol	10	330					NA	NA	
2,4,5-Trichlorophenol	50	1650					NA	NA	
2-Chloronaphthalene	10	330					NA	NA	
2-Nitroaniline	50	1650					NA	NA	
Dimethylphthalate	10	330					NA	NA	
Acenaphthylene	10	330					NA	NA	
3-Nitroaniline	50	1650					NA	NA	
Acenaphthene	10	330					NA	NA	
2,4-Dinitrophenol	50	1650					NA	NA	
4-Nitrophenol	50	1650					NA	NA	
Benzofuran	10	330					NA	NA	
2,4-Dinitrotoluene	10	330					NA	NA	
2,6-Dinitrotoluene	10	330					NA	NA	
Diethylphthalate	10	330					NA	NA	
4-Chlorophenylphenylether	10	330					NA	NA	
Fluorene	10	330					NA	NA	
4-Nitroaniline	50	1650					NA	NA	
4,6-Dinitro-2-Nethylphenol	50	1650					NA	NA	
resodiphenylamine	10	330					NA	NA	
4-Bromophenylphenylether	10	330					NA	NA	
Hexachlorobenzene	10	330					NA	NA	
Pentachlorophenol	50	1650					NA	NA	
Phenanthrene	10	330					NA	NA	

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 0 Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- KJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300671

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 5
Anson Environmental Sample Number	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank	
Laboratory Sample Number	10-12'	15-17'		10-12'	15-17'	5-7'			
	1	2	3	4	5	6	7	8	
Remarks			Field Blank				Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Anthracene	10	330				NA		NA	
n-Butylphthalate	10	330				NA		NA	
Fluoranthene	10	330				NA		NA	
Pyrene	10	330				NA		NA	
Butylbenzylphthalate	10	330				NA		NA	
3,3'-Bichlorobenzidine	20	660				NA		NA	
Benzo(a)anthracene	10	330				NA		NA	
bis(2-Ethylhexyl)phthalate	10	330	130 J	210 J		NA		NA	
Chrysene	10	330				NA		NA	
Di-n-Octylphthalate	10	330				NA		NA	
Benzo(h)fluoranthene	10	330				NA		NA	
Benzo(k)fluoranthene	10	330				NA		NA	
Benzo(a)pyrene	10	330				NA		NA	
Indeno(1,2,3-cd)pyrene	10	330				NA		NA	
Dibenz(a,b)anthracene	10	330				NA		NA	
Benzo(g,h,i)perylene	10	330				NA		NA	
Quantitation Limit Multiplier	1.00	1.03	1.00	1.03	1.03	NA	1.00	NA	
Date of Sample Collection	1/4/92	1/4/92	1/4/92	1/5/92	1/5/92	NA	1/5/92	NA	
Date Sample Received by Laboratory	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	NA	1/7/92	NA	
Date Sample Extracted	1/8/92	1/8/92	1/8/92	1/8/92	1/8/92	NA	1/8/92	NA	
Date of Sample Analysis	1/9/92	1/9/92	1/9/92	1/9/92	1/9/92	NA	1/9/92	NA	
Instrument Used for Analysis	GC/MS-	5995B	5995B	5995B	5995B	NA	5995B	NA	

NOTES:  
 - Compound was not detected.  
 J This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 K Unreliable result - Compound may or may not be present in this sample.  
 L Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 M This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300672

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 6
Anson Environmental Sample Number	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank	
Laboratory Sample Number	10-12'	15-17'		10-12'	15-17'	5-7'			
	1	2	3	4	5	6	7	8	
Remarks				Field Blank			Field Blank	Field Blank	
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	
<b>COMPOUNDS</b>									
<b>VOLATILE COMPONENTS</b>									
Butoxyethanol	30 JH	60 JH		200 JH	100 JH	100 JH			
Unknown (Number of Peaks)						35(3) J			
Benzene						10 JH			
<b>SEMI-VOLATILE COMPONENTS</b>									
Aldehyde Condensation Product	24,000 H	13,000 H		13,000 H	13,000 H				
Unknown (Number of Peaks)	23,300(2) J	23,000 J		3600(10) J	1770(3) J				
2-Butoxyethanol				6400 JH	2100 JH				

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- B Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.
- H Presumptive evidence for the identification of this compound.

300673



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS										-page 7
Anson Environmental Sample Number		ID01	ID01	Field Blanks	ID02	ID02	ID02	Field Blanks	Trip Blank	
Laboratory Sample Number		10-12'	15-17'		10-12'	15-17'	5-7'			
I201031-		1	2	3	4	5	6	7	8	
Remarks		Field Blank			Field Blank			Trip Blank		
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	
Pesticides	Quantitation Limit (ug)	Quantitation Limit (ug)								
alpha-BHC	0.05	0					NA		NA	
gamma-BHC	0.05	0					NA		NA	
delta-BHC	0.05	0					NA		NA	
gamma-BHC (Lindane)	0.05	0					NA		NA	
Heptachlor	0.05	0					NA		NA	
Aldrin	0.05	0					NA		NA	
Heptachlor Epoxide	0.05	0					NA		NA	
Endosulfan I	0.05	0					NA		NA	
Dieldrin	0.10	16					NA		NA	
4,4'-DDE	0.10	16					NA		NA	
Endrin	0.10	16					NA		NA	
Endosulfan II	0.10	16					NA		NA	
4,4'-DDD	0.10	16					NA		NA	
Endosulfan Sulfate	0.10	16					NA		NA	
4,4'-DDT	0.10	16					NA		NA	
Methoxychlor	0.50	0					NA		NA	
Endrin Ketone	0.10	16					NA		NA	
alpha-Chlordane	0.50	00					NA		NA	
gamma-Chlordane	0.50	00					NA		NA	
Toxaphene	1.0	160					NA		NA	

NOTES:

- Compound was not detected.
- 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- X Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- KJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300674

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS										-page 8
Anson Environmental Sample Number	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank		
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7	8	
Remarks			Field Blank				Field Blank	Trip Blank		
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	
PCBs	Quantitation Limit (ug)	Quantitation Limit (Sol)								NOTES:
Aroclor-1016	0.5	00					NA	NA	NA	- Compound was not detected.
Aroclor-1221	0.5	00					NA	NA	NA	U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
Aroclor-1232	0.5	00					NA	NA	NA	X Unreliable result - Compound may or may not be present in this sample.
Aroclor-1242	0.5	00					NA	NA	NA	J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
Aroclor-1240	0.5	00					NA	NA	NA	UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.
Aroclor-1254	1.0	160					NA	NA	NA	
Aroclor-1260	1.0	160					NA	NA	NA	
Quantitation Limit Multiplier	1.00	1.03	1.00	1.01	1.01	NA	1.00	NA		
Date of Sample Collection	1/4/92	1/4/92	1/4/92	1/5/92	1/5/92	NA	1/5/92	NA		
Date Sample Received by Laboratory	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	NA	1/7/92	NA		
Date Sample Extracted	1/8/92	1/8/92	1/8/92	1/8/92	1/8/92	NA	1/8/92	NA		
Date of Sample Analysis	1/15/92	1/15/92	1/15/92	1/15/92	1/15/92	NA	1/15/92	NA		

300675

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS											-page 1			
Anson Environmental Sample Number	Catch Basin	045	046	047	048	049	Field Blanks (1/4/92)	Field Blanks (1/5/92)	1001	1001	1002	1002		
Laboratory Sample Number	00006-	015	025	035	045	055	065	115	125	075	085	095	105	
Percent Solids	92.1%	95.9%	84.7%	87.8%	89.2%	76.7%	NA	NA	99.8%	97.4%	98.4%	97.2%		
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/L	ug/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)						Field Blank	Field Blank					
Aluminum	P	84	17	NA	NA	NA	NA	NA	NA	1610	1200	1600	784	
any	P	49	10	NA	NA	NA	NA	NA	NA					
Arsenic	F	2.0	0.40	NA	NA	NA	NA	NA	NA	1.5	1.9	1.0	0.09	
Barium	P	3.0	0.60	NA	NA	NA	NA	NA	NA	7.3 J	6.5 J	6.5 J	3.1	
Beryllium	P	1.0	0.20	NA	NA	NA	NA	NA	4.0	4.0	0.70 R	0.50 R	0.76 R	
Cadmium	P	4.0	0.80	NA	NA	NA	NA	NA	NA	1.2 J	0.83 J			
Calcium	P	36	7.2	NA	NA	NA	NA	NA	NA	911	160	134	34.1 U	
Chromium	P	6.0	1.2	NA	NA	NA	NA	NA	NA	11.6 J	4.5 U	5.3 U	2.9 U	
Cobalt	P	9.0	1.0	NA	NA	NA	NA	NA	NA		1.5			
Copper	P	3.0	0.6	NA	NA	NA	NA	NA	13.0	6.0	4.3 R	2.0 R	2.0 R	
Iron	P	37	7.4	NA	NA	NA	NA	NA	NA	220	5640	5350	4300	
Lead	F	1.0	0.20	NA	NA	NA	NA	NA	NA	2.0	1.2	2.3	1.3	
Magnesium	P	41	0.2	NA	NA	NA	NA	NA	NA	285	243	385	140	
Manganese	P	2.0	0.40	NA	NA	NA	NA	NA	NA	0.0	66.9	54.3	53.0	
Mercury	CV	0.20	0.10			0.34 J	0.26 J							
Nickel	P	10	0.20	NA	NA	NA	NA	NA	10.0	2.4 R	2.5 R	2.5 R		
Potassium	P	290	50	NA	NA	NA	NA	NA	NA	163	190	207	91.5	
Selenium	F	3.0	0.60	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0		
Silver	P	3.0	0.60	NA	NA	NA	NA	NA	9.0	0.90 R	0.50 R		0.59 R	
Sodium	P	70	14	NA	NA	NA	NA	NA	NA	84.0	174	164	132	
ium	F	1.0	0.20	NA	NA	NA	NA	NA	NA					
Vanadium	P	6.0	1.2	NA	NA	NA	NA	NA	NA	0.0	3.3	3.4	2.4	
Zinc	P	5.0	1.0	NA	NA	NA	NA	NA	NA	7.6	6.5	0.7	6.3	
Cyanide	AS	10.0	0.50											

NOTES:  
 - Compound was not detected.  
 R This compound should be considered "not-detected".  
 U Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

ANALYTICAL METHOD:  
 P Inductively Coupled Plasma  
 F Furnace Atomic Absorption  
 CV Cold Vapor Atomic Absorption  
 AS Auto Analyzer

300676

INORGANIC ANALYSIS - ANALYTICAL RESULTS							-page 2
Anson Environmental Sample Number		IB#1 10-12'	IB#1 15-17'	IB#2 10-12'	IB#2 15-17'	Field Blanks (1/4/92)	Field Blanks (1/5/92)
Laboratory Sample Number	920006-	07S	08S	09S	10S	11S	12S
Percent Solids		99.0%	97.4%	98.4%	97.2%	NA	NA
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L
INORGANIC ELEMENTS	Method Reporting Limit					Field Blank	Field Blank
Total Phenols	3						

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected".
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

300677

Soil Samples from Installation of Monitoring Wells  
1D, 4, 6S, 6D

300678

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 1	
Anson Sample Number	MM-10 (59-61')	MM-10 (59-63')	Field Blank	MM-10 (128-122')	Field Blank	Trip Blank	MM-4 (60-62')	MM-4 (75-77')	Field Blank	Trip Blank	MM-60 (60-62')	MM-65 (74-76')	Field Blank	Trip Blank	
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111185-01	1111185-02	1111185-03	1111185-04	
Units	ug/kg	NA	ug/l	ug/kg	ug/l	ug/l	ug/kg	ug/kg	ug/l	ug/l	ug/kg	ug/kg	ug/l	ug/l	
Quantitation Limit															
Chloroethane	10	NA									UJ	UJ			
Chloroethane	10	UJ	NA		UJ		UJ	UJ			UJ	UJ			
Chloride	10		NA								UJ	UJ			
Chloroethane	10		NA								UJ	UJ			
Methylene Chloride	5	6 U	NA	3 J	7 U	3 J	3 J	14 U	7 U	3 J	3 J	7 U	6 U	4 J	4 J
Acetone	10	13 U	NA	9 J	110 U	14		54 U	39 U	41	38	26 U	12 U	7 J	3 J
Carbon Disulfide	5		NA									UJ	UJ		
1,1-Dichloroethane	5		NA									UJ	UJ		
1,1-Dichloroethane	5		NA									UJ	UJ		
1,1,2-Dichloroethane	5		NA									UJ	UJ		
Chloroform	5		NA	16		13				12		UJ	UJ	17	
1,2-Dichloroethane	5		NA									UJ	UJ		
2-Butanone	10		NA									UJ	UJ		
1,1,1-Trichloroethane	5		NA									UJ	UJ		
Carbon Tetrachloride	5		NA									UJ	UJ		
Vinyl Acetate	10		NA									UJ	UJ		
Bromodichloroethane	5		NA									UJ	UJ		
1,1,2,2-Tetrachloroethane	5		NA									UJ	UJ		
1,2-Dichloropropane	5		NA									UJ	UJ		
Trans-1,3-Dichloropropene	5		NA									UJ	UJ		
Trichloroethene	5		NA									UJ	UJ		
1,1,1-Trichloroethane	5		NA									UJ	UJ		
Benzene	5		NA									UJ	UJ		

300679

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

-page 2

Asess Sample Number	MA-10 (59-61')	MA-10 (59-63')	Field Blank	MA-10 (129-122')	Field Blank	Trip Blank	MA-4 (60-62')	MA-4 (75-77')	Field Blank	Trip Blank	MA-60 (60-62')	MA-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Remarks														
Units	ug/Kg	NA	ug/L	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/L	ug/L
Quantitation Limit														
cis-1,3-Dichloropropene	5	NA									UJ	UJ		
o-xylene	5	NA									UJ	UJ		
dioxane	10	NA									UJ	UJ		
4-Methyl-2-Pentanone	10	NA									UJ	UJ		
Tetrachloroethene	5	NA									UJ	UJ		
Toluene	5	NA									UJ	UJ		
Chlorobenzene	5	NA									UJ	UJ		
Ethylbenzene	5	NA									UJ	UJ		
Styrene	5	NA									UJ	UJ		
Total Xylenes	5	NA									UJ	UJ		
Quantitation Limit Multiplier	1.2	NA	1.0	1.3	1.0	1.0	2.1	1.3	1.0	1.0	1.3	1.2	1.0	1.0
Date of Sample Collection	11/19/91	NA	11/19/91	11/21/91	11/21/91	11/19/91	11/24/91	11/24/91	11/24/91	11/24/91	11/26/91	11/26/91	11/26/91	11/26/91
Date Sample Received by Laboratory	11/21/91	NA	11/21/91	11/21/91	11/21/91	11/21/91	11/26/91	11/26/91	11/26/91	11/26/91	11/27/91	11/27/91	11/27/91	11/27/91
Date of Sample Analysis	11/27/91	NA	11/30/91	11/27/91	11/30/91	11/30/91	11/27/91	11/27/91	11/30/91	11/30/91	12/10/91	12/10/91	12/2/91	12/2/91
Instrument Used for Analysis	GC/MS-5995C	NA	5995A	5995C	5995A	5995A	5995C	5995C	5995A	5995A	5995C	5995C	5995A	5995A

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- ! Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

300680

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	MA-10 (59-61')	MA-10 (59-63')	Field Blank	MA-10 (120-122')	Field Blank	Trip Blank	MA-4 (60-62')	MA-4 (75-77')	Field Blank	Trip Blank	MA-60 (60-62')	MA-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	I111142-01	I111142-02	I111142-03	I111142-04	I111142-05	I111142-06	I111164-01	I111164-02	I111164-03	I111164-04	I111185-01	I111185-02	I111185-03	I111185-04
Remarks														
Units	NA	ug/kg	ug/L	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					Analyzed Twice							
Phenol	10	330	NA			NA				NA				NA
Chloroethyl ether	10	330	NA			NA				NA				NA
2-Chlorophenol	10	330	NA			NA				NA				NA
1,3-Dichlorobenzene	10	330	NA			NA				NA				NA
1,4-Dichlorobenzene	10	330	NA			NA				NA				NA
Benzyl Alcohol	10	330	NA			NA				NA				NA
1,2-Dichlorobenzene	10	330	NA			NA				NA				NA
2-Methylphenol	10	330	NA			NA				NA				NA
bis(2-Chloroisopropyl) ether	10	330	NA			NA				NA				NA
o-cresol	10	330	NA			NA				NA				NA
N-Nitroso-di-n-Propylamine	10	330	NA			NA				NA				NA
Hexachloroethane	10	330	NA			NA				NA				NA
Nitrobenzene	10	330	NA			NA				NA				NA
Isophorone	10	330	NA			NA				NA				NA
2-Nitrophenol	10	330	NA			NA				NA				NA
2,4-Dimethylphenol	10	330	NA			NA				NA				NA
Benzoic Acid	50	1700	NA			NA				NA				NA
bis(2-Chloroethoxy)methane	10	330	NA			NA				NA				NA
2,4-Dichlorophenol	10	330	NA			NA				NA				NA
1,2,4-Trichlorobenzene	10	330	NA			NA				NA				NA
Valene	10	330	NA			NA				NA				NA
o-cresol	10	330	NA			NA				NA				NA
Hexachlorobutadiene	10	330	NA			NA				NA				NA
4-Chloro-3-Methylphenol	10	330	NA			NA				NA				NA
2-Methylnaphthalene	10	330	NA			NA				NA				NA

300681



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 4
Assay Sample Number	MA-10 (59-61')	MA-10 (59-63')	Field Blank	MA-10 (120-122')	Field Blank	Trip Blank	MA-4 (60-62')	MA-4 (75-77')	Field Blank	Trip Blank	MA-60 (60-62')	MA-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	I111142-01	I111142-02	I111142-03	I111142-04	I111142-05	I111142-06	I111164-01	I111164-02	I111164-03	I111164-04	I111185-01	I111185-02	I111185-03	I111185-04
Remarks														
Units	NA	ug/kg	ug/l	ug/kg	ug/l	NA	ug/kg	ug/kg	ug/l	NA	ug/kg	ug/kg	ug/l	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)						Analyzed Twice						
Hexachlorocyclopentadiene	10	330	NA			NA				NA				NA
4,6-Trichlorophenol	10	330	NA			NA				NA				NA
2,4,5-Trichlorophenol	50	1700	NA			NA				NA				NA
2-Chloronaphthalene	10	330	NA			NA				NA				NA
2-Nitroaniline	50	1650	NA			NA				NA				NA
Dimethylphthalate	10	330	NA			NA				NA				NA
Acenaphthylene	10	330	NA			NA				NA				NA
3-Nitroaniline	50	1700	NA			NA				NA				NA
Acenaphthene	10	330	NA			NA				NA				NA
1,3-Dinitrophenol	50	1700	NA			NA				NA				NA
4-Nitrophenol	50	1700	NA			NA				NA				NA
Bibenzofuran	10	330	NA			NA				NA				NA
2,4-Dinitrotoluene	10	330	NA			NA				NA				NA
2,6-Dinitrotoluene	10	330	NA			NA				NA				NA
Diethylphthalate	10	330	NA			NA				NA				NA
4-Chlorophenylphenylether	10	330	NA			NA				NA				NA
Fluorene	10	330	NA			NA				NA				NA
4-Nitroaniline	50	1700	NA			NA				NA				NA
4,6-Dinitro-2-Methylphenol	50	1700	NA			NA				NA				NA
4-Nitrooxydiphenylamine	10	330	NA			NA				NA				NA
4-Bromophenylphenylether	10	330	NA			NA				NA				NA
Hexachlorobenzene	10	330	NA			NA				NA				NA
Pentachlorophenol	50	1700	NA			NA				NA				NA
Phenanthrene	10	330	NA			NA				NA				NA

300682

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Aspen Sample Number	MA-10 (59-61')	MA-10 (59-63')	Field Blank	MA-10 (120-122')	Field Blank	Trip Blank	MA-4 (60-62')	MA-4 (75-77')	Field Blank	Trip Blank	MA-60 (60-62')	MA-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Remarks														
Units	NA	ug/kg	ug/L	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						Analyzed Twice						
Anthracene	10	330	NA				NA			NA				NA
n-Butylphthalate	10	330	NA				NA			NA				NA
Acenaphthene	10	330	NA				NA			NA				NA
Pyrene	10	330	NA				NA	-/UJ		NA				NA
Butylbenzylphthalate	10	330	NA				NA	-/UJ		NA				NA
3,3'-Dichlorobenzidine	20	660	NA				NA	-/UJ		NA				NA
Benzo(a)anthracene	10	330	NA				NA	-/UJ		NA				NA
bis(2-Ethylhexyl)phthalate	10	330	NA	100 J	330 U	J J	NA	-/UJ		NA	36 J			NA
Chrysene	10	330	NA				NA	-/UJ		NA				NA
Di-n-Butylphthalate	10	330	NA				NA	UJ/UJ		NA				NA
Benzo(b)fluoranthene	10	330	NA				NA	UJ/UJ		NA				NA
Benzo(k)fluoranthene	10	330	NA				NA	UJ/UJ		NA				NA
Benzo(a)pyrene	10	330	NA				NA	UJ/UJ		NA				NA
Indeno(1,2,3-cd)pyrene	10	330	NA				NA	UJ/UJ		NA				NA
Dibenz(a,b)anthracene	10	330	NA				NA	UJ/UJ		NA				NA
Benzo(g,h,i)perylene	10	330	NA				NA	UJ/UJ		NA				NA
Quantitation Limit Multiplier	NA	1.2	1.0	1.3	1.0	NA	2.1	1.3	1.0	NA	1.3	1.2	1.0	NA
Date of Sample Collection	NA	11/19/91	11/19/91	11/21/91	11/21/91	NA	11/24/91	11/24/91	11/24/91	NA	11/26/91	11/26/91	11/26/91	NA
Date Sample Received by Laboratory	NA	11/21/91	11/21/91	11/21/91	11/21/91	NA	11/26/91	11/26/91	11/26/91	NA	11/27/91	11/27/91	11/27/91	NA
Date Sample Extracted	NA	11/25/91	11/22/91	11/25/91	11/22/91	NA	11/27/91	11/27/91	11/27/91	NA	12/03/91	12/03/91	12/01/91	NA
Date of Sample Analysis	NA	11/30/91	11/30/91	11/30/91	11/30/91	NA	12/03/91	12/03 & 12/04	12/04/91	NA	12/06/91	12/06/91	12/03/91	NA
Reagent Used for Analysis	GC/MS	NA	59950	59950	59950	NA	59950	59950	59950	NA	59950	59950	59950	NA

300683

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS													-page 6	
Acson Sample Number	MU-10 (59-61')	MU-10 (59-63')	Field Blank	MU-10 (120-122')	Field Blank	Trip Blank	MU-4 (60-62')	MU-4 (75-77')	Field Blank	Trip Blank	MU-60 (60-62')	MU-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	I111142-01	I111142-02	I111142-03	I111142-04	I111142-05	I111142-06	I111164-01	I111164-02	I111164-03	I111164-04	I111105-01	I111105-02	I111105-03	I111105-04
Remarks														
Units	ug/Kg	NA	ug/L	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/L	ug/L
COMPOUNDS														
NONVOLATILE COMPONENTS	-	NA	-	-	-	-	-	-	-	-	-	-	-	-
SEMI-VOLATILE COMPONENTS	NA					NA				NA				NA
Trichloroethane isomer		150 J												
Unknown											170 J	200 J		
Laboratory artifacts							400 R	520 R/600 R			8500 R	7600 R		
Unknown hydrocarbon												560 J		
Blank contamination				210 R									12 J	

- NOTES:
- Compound was not detected.
  - 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - 03 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
  - NA Not analyzed.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Sample Number	MU-10 (59-61')	MU-10 (59-63')	Field Blank	MU-10 (120-122')	Field Blank	Trip Blank	MU-4 (60-62')	MU-4 (75-77')	Field Blank	Trip Blank	MU-60 (60-62')	MU-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	I111142-01	I111142-02	I111142-03	I111142-04	I111142-05	I111142-06	I111164-01	I111164-02	I111164-03	I111164-04	I111105-01	I111105-02	I111105-03	I111105-04
Units	NA	ug/Kg	ug/L	ug/Kg	ug/L	NA	ug/Kg	ug/Kg	ug/L	NA	ug/Kg	ug/Kg	ug/L	NA
Pesticides	Quantitation Limit (Aq)	Quantitation Limit (Sol)												
alpha-BHC	0.05	0.0	NA			NA				NA				NA
beta-BHC	0.05	0.0	NA			NA				NA				NA
delta-BHC	0.05	0.0	NA			NA				NA				NA
gamma-BHC (lindane)	0.05	0.0	NA			NA				NA				NA
Heptachlor	0.05	0.0	NA			NA				NA				NA
Aldrin	0.05	0.0	NA			NA				NA				NA
Heptachlor Epoxide	0.05	0.0	NA			NA				NA				NA
Endosulfan I	0.05	0.0	NA			NA				NA				NA
Dieldrin	0.10	16.0	NA			NA				NA				NA
4,4'-DDE	0.10	16.0	NA			NA				NA				NA
Endrin	0.10	16.0	NA			NA				NA				NA
Endosulfan II	0.10	16.0	NA			NA				NA				NA
4,4'-DDD	0.10	16.0	NA			NA				NA				NA
Endosulfan Sulfate	0.10	16.0	NA			NA				NA				NA
4,4'-DDT	0.10	16.0	NA			NA				NA				NA
Heptachlor	0.50	80	NA			NA				NA				NA
Endrin Ketone	0.10	16.0	NA			NA				NA				NA
alpha-Chlordane	0.50	80	NA			NA				NA				NA
gamma-Chlordane	0.50	80	NA			NA				NA				NA
Toxaphene	1.0	160.0	NA			NA				NA				NA

- NOTES:
- Compound was not detected.
  - 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - 1 Unreliable result - Compound may or may not be present in this sample.
  - 2 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - 3J This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
  - NA Not analyzed.

300685

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 8
Ammon Sample Number	MJ-10 (59-61')	MJ-10 (59-63')	Field Blank	MJ-10 (129-122')	Field Blank	Trip Blank	MJ-4 (60-62')	MJ-4 (75-77')	Field Blank	Trip Blank	MJ-60 (60-62')	MJ-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	I111142-01	I111142-02	I111142-03	I111142-04	I111142-05	I111142-06	I111164-01	I111164-02	I111164-03	I111164-04	I111105-01	I111105-02	I111105-03	I111105-04
Remarks														
Units	NA	ug/kg	ug/L	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)												
Broclor-1016	0.5	00	NA			NA				NA				NA
Broclor-1221	0.5	00	NA			NA				NA				NA
Broclor-1232	0.5	00	NA			NA				NA				NA
Broclor-1242	0.5	00	NA			NA				NA				NA
Broclor-1240	0.5	00	NA			NA				NA				NA
Broclor-1254	1.0	16A	NA			NA				NA				NA
Broclor-1260	1.0	16B	NA			NA				NA				NA
Quantitation Limit Multiplier	NA	1.2	1.0	1.3	1.0	NA	2.1	1.3	1.0	NA	1.3	1.2	1.0	NA
Date of Sample Collection	NA	11/19/91	11/19/91	11/21/91	11/21/91	NA	11/24/91	11/24/91	11/24/91	NA	11/26/91	11/26/91	11/26/91	NA
Date Sample Received by Laboratory	NA	11/21/91	11/21/91	11/21/91	11/21/91	NA	11/26/91	11/26/91	11/26/91	NA	11/27/91	11/27/91	11/27/91	NA
Date Sample Extracted	NA	11/25/91	11/22/91	11/25/91	11/22/91	NA	11/27/91	11/27/91	11/27/91	NA	12/3/91	12/3/91	12/3/91	NA
Date of Sample Analysis	NA	11/29/91	11/29/91	11/29/91	11/29/91	NA	11/29/91	11/29/91	11/29/91	NA	12/14/91	12/14/91	12/13/91	NA

NOTES:

- Compound was not detected.
- N This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- WJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

300686

**B. INORGANIC AND CONVENTIONALS DATA**

300687

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS											-page 1	
Anson Environmental Sample Number	MA-10	Field Blank	MA-10	Field Blank	MA-4	Field Blank	MA-4	MA-60	MA-65	Field Blank		
Laboratory Sample Number	(59-63')	(11-19)	(120-122')	(11-21)	(60-62')	(11-24)	(75-77')	(60-62')	(70-76')	(11-26)		
	00649-	015	025	035	045	055	065	005	095	105	125	
Percent Solids	07.1%	-	00.7%	-	77.6%	-	00.6%	05.0%	00.7%	-		
Units	mg/kg	ug/L	mg/kg	ug/L	mg/kg	ug/L	mg/kg	mg/kg	mg/kg	ug/L		
INORGANIC ELEMENTS	Aqueous Detection Limit	Solid Detection Limit										
Aluminum	P 72	14.4	513	03.0 U	400	110 R	717	91.0 R	303	011	515	09.0 U
Antimony	P 45	9.0										
Arsenic	F 2.0	0.40	0.44		0.63		0.53		0.74	0.00	0.05	
Barium	P 3.0	0.60	3.0 R		2.2 W	5.0	3.1 U		1.0 W	2.7 W	2.2 W	
Beryllium	P 1.0	0.20	0.52 W	3.0	0.54 W	3.0	0.59 W	3.0	0.70 W	0.77 W	1.1 W	3.0
Cadmium	P 4.0	0.00										
Calcium	P 30	7.6	31.1 W	105	24.4 W	111	30.5 W	123	63.7 W	30.0 W	33.7 W	177
Chromium	P 7.0	1.4	2.1		1.4		2.6		3.2	3.4	3.7	
Cobalt	P 10	2.0										
Copper	P 2.0	0.40	1.7 W	0.0	2.2 W	7.0	2.4 W	0.0	2.3 W	2.3 W	2.0 W	10.0
Iron	P 5.0	1.0	1450	35.0 J	936	06.0 J	1540	45.0 J	1260	1960	1360	66.0 J
Lead	F 1.0	0.20	0.00 U	3.4	1.3	1.1	1.1	2.3	0.90	2.1	1.3	1.6
Magnesium	P 40	0.0	26.0		7.5		19.7		12.5	20.5	34.6	55.0
Manganese	P 1.0	0.20	0.1	2.0	12.6	10.0	21.2	2.0	12.3	25.4	14.0	6.0
Mercury	CV 0.20	0.02										
Nickel	P 12.0	2.4										
Potassium	P 2100	420										
Selenium	F 4.0	0.00										
Silver	P 6.0	1.2	0	0	0	0	0	0	0	0	0	0
Sodium	P 4050	80										
Strontium	F 2.0	0.40										
Titanium	P 4.0	0.00	1.9 W	5.0	1.6 W		2.2 W	4.0	2.1 W	2.3 W	2.4 W	
Zinc	P 2.0	0.40	2.0 W	9.0	1.0 W	14.0	2.2 W	7.0	4.0 W	2.5 W	1.7 W	9.0
Cyanide	A 10	1.0										

NOTES:

- Element was not detected.
- U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Analyte may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- WJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer

300688

-page 2

ADDITIONAL PARAMETERS - TOTAL PHENOLS AND TOTAL ORGANIC CARBON ANALYSES											
Amson Environmental Sample Number	MU-10	Field Blank (11-19)	MU-10 (120-122')	Field Blank (11-21)	MU-4 (60-62')	Field Blank (11-24)	MU-4 (75-77')	MU-6 (77-79')	MU-60 (60-62')	MU-65 (74-76')	Field Blank (11-27)
Seco Sample Number	910649-	01	03	04	05	06	08	11	09	10	12
Percent Solids	87.1%	-	88.7%	-	77.6%	-	88.6%	85.8%	88.7%	88%	-
Units	mg/kg	mg/l	mg/kg	mg/l	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/l
PARAMETERS											
Total Phenols										NA	NA
Organic Carbon	NA	NA	NA	NA	NA	NA			NA	NA	

NOTES:

- Element was not detected.
- 0 This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- 1 Unreliable result - Analyte may or may not be present in this sample.
- 2 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 3 This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.



Soil Samples from Indoor Borings #5 and #6

300690

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 1

Ascon Environmental Sample Number	ID 95 (15-17')	ID 95 (35-37')	ID 96 (30-32')	ID 96 (40-42')	Field Blanks	Field Blanks	Trip Blank
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07
Remarks					Field Blank	Field Blank	Trip Blank
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
Chloromethane	10	10					
Bromomethane	10	10					
Vinyl Chloride	10	10					
Chloroethane	10	10	UJ	UJ	UJ	UJ	
Methylene Chloride	5	5	6 U	6 U	5 U	5 U	3 J 4 J 4 J
Acetone	10	10	110 W	110 U	19 W	12 U	9 J 30 J 34 J
Carbon Disulfide	5	5					
1,1-Dichloroethane	5	5					
1,1-Dichloroethane	5	5					
Total 1,2-Dichloroethane	5	5					
Chloroform	5	5					15 15
1,2-Dichloroethane	5	5					
2-Butanone	10	10					
1,1,1-Trichloroethane	5	5					
Carbon Tetrachloride	5	5					
Vinyl Acetate	10	10					
Bromodichloromethane	5	5					
1,1,2,2-Tetrachloroethane	5	5					
1,2-Dichloropropane	5	5					
trans-1,3-Dichloropropene	5	5					
Trichloroethene	5	5					
Dibromochloromethane	5	5					
1,1,2-Trichloroethane	5	5					
Benzene	5	5					

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 B Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 2
Anson Environmental Sample Number	ID 05 (15-17')	ID 05 (35-37')	ID 06 (30-32')	ID 06 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L	
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
cis-1,3-Dichloropropene	5	5						
Bromoforn	5	5						
2-Hexanone	10	10						
4-Methyl-2-Pentanone	10	10						
Tetrachloroethene	5	5						
Toluene	5	5						
Chlorobenzene	5	5						
Ethylbenzene	5	5						
Styrene	5	5						
Total Xylenes	5	5						
Quantitation Limit Multiplier	1.2	1.2	1.0	1.0	1.0	1.0	1.0	
Date of Sample Collection	12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/8/91	NA	
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	
Date of Sample Analysis	12/17/91	12/17/91	12/17/91	12/17/91	12/18/91	12/18/91	12/18/91	
Instrument Used for Analysis	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	

NOTES:

- Compound was not detected.
- 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 1 Unreliable result - Compound may or may not be present in this sample.
- 2 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 3 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

-page 3

Aspen Environmental Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks 12060-03	Field Blanks 12060-06	Trip Blank 12060-07
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02			
Remarks					Field Blank	Field Blank	Trip Blank
Units		ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					
Phenol	10	330					NA
Diethyl ether	10	330					NA
o-phenol	10	330					NA
1,3-Dichlorobenzene	10	330					NA
1,4-Dichlorobenzene	10	330					NA
Benzyl Alcohol	10	330					NA
1,2-Dichlorobenzene	10	330					NA
2-Methylphenol	10	330					NA
bis(2-Chloroisopropyl) ether	10	330					NA
p-Cyphenol	10	330					NA
N-Nitroso-di-n-Propylamine	10	330					NA
Hexachloroethane	10	330					NA
Nitrobenzene	10	330					NA
Isophorone	10	330					NA
2-Nitrophenol	10	330					NA
2,4-Dimethylphenol	10	330					NA
Benzoic Acid	50	1650					NA
bis(2-Chloroethoxy)methane	10	330					NA
2,4-Dichlorophenol	10	330					NA
1,2,4-Trichlorobenzene	10	330					NA
o-xthalene	10	330					NA
o-xillene	10	330					NA
Hexachlorobutadiene	10	330					NA
4-Chloro-3-Methylphenol	10	330					NA
2-Methylnaphthalene	10	330					NA

NOTES:  
 - Compound was not detected.  
 \* This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 \* Unreliable result - Compound may or may not be present in this sample.  
 \* Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 \* This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

300693

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS							-page 4		
Aspen Environmental Sample Number			10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank
Laboratory Sample Number			12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	NA
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Hexachlorocyclopentadiene	10	330							NA
2,4,6-Trichlorophenol	10	330							NA
Trichlorophenol	50	1650							NA
2-Chlorophthalone	10	330							NA
2-Nitroaniline	50	1650							NA
Dimethylphthalate	10	330							NA
Acenaphthylene	10	330							NA
3-Nitroaniline	50	1650							NA
Acenaphthene	10	330							NA
1,4-Dinitrophenol	50	1650							NA
4-Nitrophenol	50	1650							NA
Dibenzofuran	10	330							NA
2,4-Dinitrotoluene	10	330							NA
2,6-Dinitrotoluene	10	330							NA
Diethylphthalate	10	330							NA
4-Chlorophenylphenylether	10	330							NA
Fluorene	10	330							NA
4-Nitroaniline	50	1650							NA
4,6-Dinitro-2-Nitrophenol	50	1650							NA
4-Nitrosodiphenylamine	10	330							NA
4-Bromophenylphenylether	10	330							NA
Biorbenzene	10	330							NA
1,2-Dichlorophenol	50	1650							NA
Phenanthrene	10	330							NA

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Reliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 BJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 BA Not analyzed.

300694

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 5
Anson Environmental Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Anthracene	10	330					NA	
1-n-Butylphthalate	10	330					NA	
Fluoranthene	10	330					NA	
Pyrene	10	330					NA	
Butylbenzylphthalate	10	330					NA	
3,3'-Dichlorobenzidine	20	660					NA	
Benzo(a)anthracene	10	330					NA	
Bis(2-Ethylhexyl)phthalate	10	330	130 J	400			NA	
Chrysene	10	330					NA	
Di-n-Octylphthalate	10	330					NA	
Benzo(b)fluoranthene	10	330					NA	
Benzo(k)fluoranthene	10	330					NA	
Benzo(a)pyrene	10	330					NA	
Indeno(1,2,3-cd)pyrene	10	330					NA	
Dibenz(a,h)anthracene	10	330					NA	
Benzo(g,h,i)perylene	10	330					NA	
Quantitation Limit Multiplier	1.10	1.10	1.03	1.03	1.00	1.00	NA	
Date of Sample Collection	12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/8/91	NA	
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	NA	
Date Sample Extracted	12/11/91	12/11/91	12/11/91	12/11/91	12/10/91	12/10/91	NA	
Date of Sample Analysis	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	NA	
Instrument Used for Analysis	GC/MS-59950	GC/MS-59950	GC/MS-59950	GC/MS-59950	GC/MS-59950	GC/MS-59950	NA	

NOTES:  
 I- Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 D2 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

300695

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 6
Anso Environmental Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L	
COMPOUNDS								
VOLATILE COMPONENTS	-	-	-	-	-	-	-	
SEMIVOLATILE COMPONENTS							NA	
Laboratory Artifacts (Aldels, etc.)	4600 R	5000 D	4100 R	4500 D				
Unknown		420 J						

NOTES:

- Compound was not detected.
- D This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- DJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NR Not analyzed.

300696

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 7

Anson Environmental Sample Number		ID 05 (15-17')	ID 05 (35-37')	ID 06 (30-32')	ID 06 (40-42')	Field Blanks	Field Blanks	Trip Blank
Laboratory Sample Number		12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07
Remarks						Field Blank	Field Blank	Trip Blank
Units		ng/Kg	ng/Kg	ug/Kg	ug/Kg	ug/l	ug/l	NA
Pesticides	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
alpha-BHC	0.05	0						NA
beta-BHC	0.05	0						NA
delta-BHC	0.05	0						NA
gamma-BHC (Lindane)	0.05	0						NA
Heptachlor	0.05	0						NA
Aldrin	0.05	0						NA
Heptachlor Epoxide	0.05	0						NA
Endosulfan I	0.05	0						NA
Dieldrin	0.10	16						NA
4,4'-DDE	0.10	16						NA
Endrin	0.10	16						NA
Endosulfan II	0.10	16						NA
4,4'-DDD	0.10	16						NA
Endosulfan Sulfate	0.10	16						NA
4,4'-DDT	0.10	16						NA
Heptachlor	0.50	0						NA
Endrin Ketone	0.10	16						NA
alpha-Chlordane	0.50	00						NA
gamma-Chlordane	0.50	00						NA
Toxaphene	1.0	160						NA

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 8
Anson Environmental Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units					ug/L	ug/L	NA	
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Aroclor-1016	0.5	00					NA	
Aroclor-1221	0.5	00					NA	
Aroclor-1232	0.5	00					NA	
Aroclor-1242	0.5	00					NA	
Aroclor-1248	0.5	00					NA	
Aroclor-1254	1.0	160					NA	
Aroclor-1260	1.0	160					NA	
Quantitation Limit Multiplier	1.16	1.16	1.01	1.03	1.02	1.02	NA	
Date of Sample Collection	12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/8/91	NA	
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	NA	
Date Sample Extracted	12/11/91	12/11/91	12/11/91	12/11/91	12/10/91	12/10/91	NA	
Date of Sample Analysis	12/14/91	12/13/91	12/13/91	12/13/91	12/13/91	12/13/91	NA	

NOTES:

- Compound was not detected.
- [0] This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- [1] Unreliable result - Compound may or may not be present in this sample.
- [2] Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- [3] This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

**B. INORGANIC DATA**

300699

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 1

Inson Environmental Sample Number		10 05 15-17'	10 05 35-37'	10 06 30-32'	10 06 40-42'	Field Blanks	Field Blank		
Laboratory Sample Number		00690-055	00690-065	00690-075	00690-085	00690-095	00690-105		
Percent Solids		97.4%	97.4%	96.6%	96.6%	0.0%	0.0%		
Units		mg/kg	mg/kg	mg/kg	mg/kg	ug/l	ug/l		
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)				Field Blank	Field Blank		
Aluminium	P	72.0	14.4	803	1360	1110	1100		
Antimony	P	45.0	9.0						
Arsenic	F	2.0	0.4		0.57	0.75	1.7		
Barium	P	3.0	0.6	2.6	4.4	3.7	1.0		
Beryllium	P	1.0	0.2	0.56 U	0.77 U	0.51 U	0.60 U	3.0	3.0
Cadmium	P	4.0	0.8	1.1 U	0.96 U	0.60 U	1.4 U		5.0
Calcium	P	30.0	7.6	69.0 R	20.2 R	26.5 R	19.7 R	90.0	70.0
Chromium	P	7.0	1.4	4.6	3.0	2.4	3.0		
Cobalt	P	10.0	2.0						
Copper	P	2.0	0.4	7.4 U	5.0 U	3.7 U	5.4 U	14.0	11.0
Iron	P	9.0	1.8	3910	3490	2240	3300	201	77.0
Lead	F	1.0	0.2	0.74	1.2	0.85	1.0		
Magnesium	P	60.0	12.0	192	140	112	110		110
Manganese	P	1.0	0.2	35.0	30.2	64.3	47.4	1.0	
Mercury	CV	0.2	0.1						
Nickel	P	12.0	2.4		2.3 U				14.0
Potassium	P	2140	420						
Selenium	F	4.0	0.8	0.3	0.3	0.3	0.3		
Silver	P	6.0	1.2	0.3	0.3	0.3	0.3	0.3	0.3
Sodium	P	4450	890						
Thallium	F	2.0	0.4						
Vanadium	P	4.0	0.8	2.6 U	2.7 R	3.1 R	2.6 R		
Zinc	P	2.0	0.4	5.4 R	4.6 R	4.2 R	0.4 J	6.0 J	6.0 J
Cyanide	A	10	1.0						

NOTES:  
 - Element was not detected.  
 U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 A - Auto Analyzer  
 DS - Distillation/Spectrophotometric

300700

Environmental Sample Number		DW #1	DW #2	DW #3	DW #4	Field Blank
atory Sample Number		00690-01S	00690-02S	00690-03S	00690-04S	00690-011S
Percent Solids		84.2%	59.0%	78.3%	76.4%	0.0%
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/L
INORGANIC ELEMENTS	Detection Limit	Detection Limit (Sol)				Field Blank
Mercury	CV	0.2	0.1			
Cyanide	A	10	1.0			

## NOTES:

- Element was not detected.
- U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Analyte may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

## ANALYTICAL METHOD:

- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer

300701

Soil Samples from Installation of Monitoring Wells  
5D and 7D

Soil Samples from Drywell #2  
(15-17') and (25-27')

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number	DU-2 15-17'	DU-2 25-27'	Field Blank (3/9/92)	DU-50 5-7'	Field Blank (3/10/92)	DU-50 60-62'	Trip Blank (3/10/92)	DU-50 115-117'	Field Blank (3/12/92)	Trip Blank (3/12/92)	DU-70 (56-50')	DU-70 FD (3/19/92)	DU-70 TD (3/19/92)	DU-70 (114-116')	DU-70 FD (3/20/92)	
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	00-7	10-1	10-2	10-3	59-1	59-3	59-4	59-5	59-6
Remarks			Field Blank		Field Blank		Trip Blank		Field Blank	Trip Blank		Field Blank of 3/19/92	Trip Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L	ug/L	ug/Kg	ug/L	ug/L	ug/Kg	ug/L
<b>VOLATILE COMPOUNDS</b>	Quantitative Limit															
Chloromethane	10			R		R		R								
Ethylmethane	10															
Vinyl Chloride	10	?														
Chloroethane	10															
Methylene Chloride	5	3850 U	1200 U	7	5 U	7	9 U	7	33 U	0	7	10 U	5	5	11 U	5
Acetone	10	7700 U	1400 U		10 U		39 U	34	110 U	20	36	26 U	160	09	45 U	
Carbon Disulfide	5															
1,1-Dichloroethane	5															
1,1-Dichloroethane	5															
Total 1,2-Dichloroethane	5															
Chloroform	5															
1,2-Dichloroethane	5															
2-Butanone	10										37				32	
1,1,1-Trichloroethane	5															
Carbon Tetrachloride	5															
Vinyl Acetate	10															
Bromodichloromethane	5															
1,1,2,2-Tetrachloroethane	5															
1,2-Dichloropropane	5															
trans-1,3-Dichloropropene	5															
Chloroethane	5															
Dibromochloromethane	5															
1,1,1-Trichloroethane	5															
Benzene	5															

300703

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS															-page 2	
Anson Environmental Sample Number	M02 15-17'	M02 25-27' (3/9/92)	Field Blank (3/9/92)	M1-50 5-7'	Field Blank (3/10/92)	M1-50 60-62' (3/10/92)	Trip Blank (3/10/92)	M1-50 115-117' (3/12/92)	Field Blank (3/12/92)	Trip Blank (3/12/92)	M1-70 (56-58') FB (3/19/92)	M1-70 TD (3/19/92)	M1-70 (116-116') FB (3/20/92)	M1-70 FB (3/20/92)		
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	00-7	10-1	10-2	10-3	59-1	59-3	59-4	59-5	59-6
Remarks			Field Blank		Field Blank		Trip Blank		Field Blank	Trip Blank		Field Blank of 3/19/92	Trip Blank of 3/19/92		Field Blank of 3/20/92	
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L	
VOLATILE COMPOUNDS	Quantitation Limit (ug)															
cis-1,3-Dichloropropene	5															
Bromoforn	5															
2-Hexanone	10															
4-Methyl-2-Pentanone	10															
Tetrachloroethene	5															
Toluene	5	2300 J														
Chlorobenzene	5															
Ethylbenzene	5	4000														
Styrene	5															
Total Xylenes	5	82,000														
Quantitation Limit Multiplier	770	130	1.0	1.1	1.0	1.2	1.0	1.3	1.0	1.0	1.2	1.0	1.0	1.2	1.0	
Date of Sample Collection	3/9/92	3/9/92	3/9/92	3/10/92	3/10/92	3/10/92	3/10/92	3/12/92	3/12/92	3/12/92	3/19/92	3/19/92	3/19/92	3/20/92	3/20/92	
Date Sample Received by Laboratory	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/16/92	3/16/92	3/16/92	3/21/92	3/21/92	3/21/92	3/21/92	3/21/92	
Date of Sample Analysis	3/19/92	3/10/92	3/19/92	3/10/92	3/19/92	3/10/92	3/19/92	3/19/92	3/19/92	3/19/92	3/27/92	3/27/92	3/27/92	3/27/92	3/27/92	
Instrument Used for Analysis	MS-5995A	5995A	5995A	5995C	5995A	5995C	5995A	5995C	5995A	5995A	5995C	5995B	5995B	5995C	5995B	

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- D Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- W This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300704

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

-page 3

Amoco Environmental Sample Number	DMZ 15-17'	DMZ 25-27'	Field Blank (3/9/92)	MS-50 5-7'	Field Blank (3/10/92)	MS-50 60-62'	MS-50 115-117'	Field Blank (3/12/92)	MS-70 (54-50')	MS-70 FB (3/19/92)	MS-70 (114-116')	MS-70 FB (3/20/92)	
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)											
Phenol	10	330	0.3	0.3	0.3								
Bis(2-Chloroethyl)ether	10	330	0.3	0.3	0.3								
2-Chlorophenol	10	330	0.3	0.3	0.3								
1,3-Dichlorobenzene	10	330	0.3	0.3	0.3								
1,4-Dichlorobenzene	10	330	0.3	0.3	0.3								
Benzyl Alcohol	10	330	0.3	0.3	0.3								
1,2-Dichlorobenzene	10	330	0.3	0.3	0.3								
2-Methylphenol	10	330	0.3	0.3	0.3								
Bis(2-Chloroisopropyl)ether	10	330	0.3	0.3	0.3								
4-Methylphenol	10	330	0.3	0.3	0.3								
N-Nitroso-di-n-Propylamine	10	330	0.3	0.3	0.3					0.3			
Hexachloroethane	10	330	0.3	0.3	0.3								
Nitrobenzene	10	330	0.3	0.3	0.3								
Isophorone	10	330	0.3	0.3	0.3								
2-Nitrophenol	10	330	0.3	0.3	0.3								
2,4-Dimethylphenol	10	330	0.3	0.3	0.3								
Benzoic Acid	50	1650	0.3	0.3	0.3								
Bis(2-Chloroethoxy)methane	10	330	0.3	0.3	0.3								
2,4-Dichlorophenol	10	330	0.3	0.3	0.3								
1,2,4-Trichlorobenzene	10	330	0.3	0.3	0.3								
Naphthalene	10	330	290 J	0.3	0.3								
4-Chloraniline	10	330	0.3	0.3	0.3	70 J							
Hexachlorocyclopentadiene	10	330	0.3	0.3	0.3								
4-Chloro-3-Methylphenol	10	330	0.3	570 J	0.3								
2-Methylnaphthalene	10	330	150 J	0.3	0.3								

300705



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Avon Environmental Sample Number -	DU2 15-17'	DU2 25-27'	Field Blank (3/9/92)	MA-50 5-7'	Field Blank (3/10/92)	MA-50 60-62'	MA-50 115-117'	Field Blank (3/12/92)	MA-70 (56-58')	MA-70 FB (3/19/92)	MA-70 (114-116')	MA-70 FB (3/20/92)	
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (ug)											
Hexachlorocyclopentadiene	10	330	0.3	0.3	0.3		0.3	0.3	0.3				
1,4-Dichlorophenol	10	330	0.3	0.3	0.3								
2,4,5-Trichlorophenol	10	330	0.3	0.3	0.3								
2-Chloronaphthalene	10	330	0.3	0.3	0.3								
2-Nitroaniline	50	1650	0.3	0.3	0.3								
Bimethylphthalate	10	330	0.3	0.3	0.3								
Acenaphthylene	10	330	0.3	0.3	0.3								
3-Nitroaniline	50	1650	0.3	0.3	0.3								
Acenaphthene	10	330	0.3	0.3	0.3								
2,4-Dinitrophenol	10	330	0.3	0.3	0.3	0.3							
4-Nitrophenol	50	1650	0.3	0.3	0.3								
Benzofuran	10	330	0.3	0.3	0.3								
2,4-Dinitrotoluene	10	330	0.3	0.3	0.3								
2,6-Dinitrotoluene	10	330	0.3	0.3	0.3								
Bimethylphthalate	10	330	0.3	0.3	0.3								
4-Chlorophenylphenylether	10	330	0.3	0.3	0.3								
Fluorene	10	330	0.3	0.3	0.3								
4-Nitroaniline	50	1650	0.3	0.3	0.3								
1,4-Dinitro-2-Nethylphenol	50	1650	0.3	0.3	0.3	0.3							
N-Nitrosodiphenylamine	10	330	0.3	0.3	0.3								
p-Bromophenylphenylether	10	330	0.3	0.3	0.3								
Hexachlorobenzene	10	330	0.3	0.3	0.3								
Pentachlorophenol	50	1650	0.3	0.3	0.3								
Phenanthrene	10	330	50.3	0.3	0.3								

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS													-page 5
Anson Environmental Sample Number	00-1	00-2	Field Blank (3/9/92)	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Laboratory Sample Number	12831-												
Remarks			Field Blank			Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)											
Anthracene	10	330	0.3	0.3	0.3								
Di-n-Butylphthalate	10	330	100 J	0.3	0.3								
Fluoranthene	10	330	69 J	0.3	0.3								
Pyrene	10	330	66 J	0.3	0.3	0.3							
Butylbenzylphthalate	10	330	410 J	0.3	0.3	0.3							
3,3'-Dichlorobenzidine	20	660	0.3	0.3	0.3	0.3							
Benzo(a)anthracene	10	330	0.3	0.3	0.3	0.3							
bis(2-Ethylhexyl)phthalate	10	330	2700 B	390 B	10 J	350 B	42 J	400 B	420 B	1 J	41 J		
Chrysene	10	330	0.3	0.3	0.3	0.3							
Di-n-Octylphthalate	10	330	0.3	0.3	0.3								
Benzo(h)fluoranthene	10	330	0.3	0.3	0.3								
Benzo(k)fluoranthene	10	330	0.3	0.3	0.3								
Benzo(a)pyrene	10	330	0.3	0.3	0.3								
Indeno(1,2,3-cd)pyrene	10	330	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Dibenz(a,h)anthracene	10	330	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Benzo(g,h,i)perylene	10	330	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Quantitation Limit Multiplier		1.24	1.06	1.00	1.06	1.0	1.21	1.27	1.00	1.10	1.00	1.10	1.00
Date of Sample Collection		3/9/92	3/9/92	3/9/92	3/10/92	3/10/92	3/10/92	3/12/92	3/12/92	3/19/92	3/19/92	3/20/92	3/20/92
Date Sample Received by Laboratory		3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/16/92	3/16/92	3/21/92	3/21/92	3/21/92	3/21/92
Date Sample Extracted		3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/23/92	3/23/92	3/23/92	3/23/92
Date of Sample Analysis		3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/20/92	3/21/92	3/21/92	3/21/92
Instrument Used for Analysis	GC/MS-	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B

300707

TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Ames Environmental Sample Number	0402	0402	Field Blank	04-50	Field Blank	04-50	Trip Blank	04-50	Field Blank	Trip Blank	04-70	04-70	04-70	04-70	04-70
Laboratory Sample Number	15-17'	25-27'	(3/9/92)	5-7'	(3/10/92)	60-62'	(3/10/92)	115-117'	(3/12/92)	(3/12/92)	(56-58')	FB (3/19/92)	TR (3/19/92)	(114-116')	FB (3/20/92)
Remarks			Field Blank		Field Blank				Field Blank	Trip Blank		Field Blank of 3/19/92	Trip Blank of 3/19/92		Field Blank of 3/20/92
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L
COMPOUNDS															
VOLATILE COMPONENTS															
alkane	6200 R	660 R													
1,1-dimethyl cyclohexane	15,000 J														
Dimethyl cyclohexane Isomer (Number of Peaks)	17,200 (2) J														
Unknown (Number of Peaks)	21,600 (3) J												6 J		
2-Methyl heptane	13,000 J														
C9 Unknown	7000 J														
Octane	40,000 J														
Propyl benzene	32,000 J														
Unknown Aromatic (Number of Peaks)	130,000 (2) J														
Carbon Dioxide (Number of Peaks)			20 (3) J				20 J			7 J					
Trimethyl silane							10 J								
SEMI-VOLATILE COMPONENTS															
Unknown Alkal Condensate	1900 R	9600 R		9500 R		7500 R		8300 R							
Unknown Alkane (Number of Peaks)	39,000 (11) J	2220 (8) J		110 J											
Alkylbenzene (Number of Peaks)	36,200 (7) J														
Phenol, 2,4-bis(1,1-dimethylethyl)-4-methyl	2200 J														
Phenol, 4-tetramethyl butyl (Number of Peaks)	3200 (2) J	1310 (4) J													
Phenol, 4-nonyl	1300 J	320 J													
1-cyclohexane	2000 J														
Unknown Alkyl Propanol	1000 J														
Unknown (Number of Peaks)		1490 (5) J		9720 (18) J		870 (3) J									
Molecular Sulfur				200 J											
Cholesterol				7000 J											

300708

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS													-page 7
Anson Environmental Sample Number	DW2 15-17'	DW2 25-27'	Field Blank (3/9/92)	MU-50 5-7'	Field Blank (3/10/92)	MU-50 60-62'	MU-50 115-117'	Field Blank (3/12/92)	MU-70 (56-50')	MU-70 FB (3/19/92)	MU-70 (114-116')	MU-70 FB (3/20/92)	
Laboratory Sample Number	22931-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L
Pesticides	Quantitation Limit (Aq)	Quantitation Limit (Sol)											
alpha-BHC	0.05	0	0.3	1.3 J	0.3								
beta-BHC	0.05	0	0.3	0.3	0.3								
delta-BHC	0.05	0	0.3	2.0 J	0.3								
gamma-BHC (Lindane)	0.05	0	0.3	0.3	0.3								
Heptachlor	0.05	0	0.3	0.3	0.3							0.20 J	
Aldrin	0.05	0	0.3	0.3	0.3								
Heptachlor Epoxide	0.05	0	0.3	0.3	0.3								
Endosulfan I	0.05	0	0.3	0.3	0.3								
Bintrin	0.10	16	0.3	0.3	0.3								
4,4'-DDE	0.10	16	0.3	0.3	0.3								
Endrin	0.10	16	0.3	0.3	0.3				0.3				
Endosulfan II	0.10	16	0.3	1.1 J	0.3								
4,4'-DDD	0.10	16	0.3	0.3	0.3								
Endosulfan Sulfate	0.10	16	0.3	0.3	0.3								
4,4'-DDT	0.10	16	0.3	0.3	0.3	0.3		0.3	0.3				
Methoxychlor	0.50	0	0.3	0.3	0.3								
Endrin Isotone	0.10	16	0.3	0.3	0.3								
alpha-Chlordane	0.50	00	0.3	0.3	0.3								
gamma-Chlordane	0.50	00	0.3	0.3	0.3								
Toxaphene	1.0	160	0.3	0.3	0.3								

300709

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS													-page 8
Ames Environmental Sample Number	002	002	Field Blank	04-50	Field Blank	04-50	04-50	04-50	Field Blank	04-70	04-70	04-70	04-70
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank				Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92
Units		ug/kg	ug/kg	ug/l	ug/kg	ug/l	ug/kg	ug/kg	ug/l	ug/kg	ug/l	ug/kg	ug/l
PCBs	Quantitation Limit (ug)	Quantitation Limit (Soil)											
Aroclor-1016	0.5	00	0.3	0.3	0.3								
Aroclor-1221	0.5	00	0.3	0.3	0.3								
Aroclor-1232	0.5	00	0.3	0.3	0.3								
Aroclor-1242	0.5	00	0.3	0.3	0.3								
Aroclor-1248	0.5	00	0.3	0.3	0.3								
Aroclor-1254	1.0	160	230.2	0.3	0.3								
Aroclor-1260	1.0	160	0.3	0.3	0.3								
Quantitation Limit Multiplier		1.23	1.06	1.00	1.05	1.00	1.19	1.25	1.00	1.16	1.00	1.16	1.00
Date of Sample Collection		3/9/92	3/9/92	3/9/92	3/10/92	3/10/92	3/10/92	3/12/92	3/12/92	3/19/92	3/19/92	3/20/92	3/20/92
Date Sample Received by Laboratory		3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/16/92	3/16/92	3/21/92	3/21/92	3/21/92	3/21/92
Date Sample Extracted		3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/23/92	3/23/92	3/23/92	3/23/92
Date of Sample Analysis		3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/31/92	3/31/92	3/31/92	3/31/92

NOTES:

- Compound was not detected.
- 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 0 Unreliable result - Compound may or may not be present in this sample.
- 3 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 0.3 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300710

**B. INORGANIC DATA**

300711

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY-WEIGHT BASIS													-page 1		
Anson Environmental Sample Name	DU02	DU02	Field Blank	Field Blank	MA-50	MA-50	Field Blank	MA-50	MA-70	MA-70	MA-70 FB	MA-70 FB			
Laboratory Sample Number	001	13-015	13-025	13-055	13-06	13-035	13-045	16-025	16-015	44-015	44-025	44-035	44-045		
% Solids		86.8%	96.8%	-	-	97.6%	84.4%	-	81.9%	86.3%	87.8%	-	-		
Units		mg/Kg	mg/Kg	ug/L	ug/L	mg/Kg	mg/Kg	ug/L	mg/Kg	mg/Kg	mg/Kg	ug/L	ug/L		
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)		Field Blank	Field Blank			Field Blank				Field Blank	Field Blank		
Aluminum	P	84.0	16.0	3730 J	1350 J	124 J	111 J	2150 J	492 J	172 J	410 J	662 J	290 J	106 J	97.0 J
Antimony	P	49.0	9.0	9.6 J			55.0 J	10.6 R	11.0 R						
As	F	2.0	0.40	0.87 J				0.55 J			1.1				
Barium	P	3.0	0.60	20.5 J				3.2 J			0.92				
Beryllium	P	1.0	0.20	0.36 U	0.30 U	3.0 J	3.0 J	0.30 U	0.43 U	2.0 J	0.70 U	0.41 R	0.40 R	2.0	2.0
Cadmium	P	4.0	0.80	2.0 J							0.82 J				
Calcium	P	36.0	7.2	11,000 J	137 U	192	101	355 U	63.0 U	1730 R	146 R	21.5 U	0.6 U	R	70.0 R
Chromium	P	6.0	1.2	392 J	32.9 J			4.0 J	3.7 J	9.0 J	4.2 U	23.2 J	3.0 U		
Cobalt	P	9.0	1.8	4.2 J											
Copper	P	3.0	0.60	36.9 J	8.0 R	9.0 J	0.0 J	5.7 U	2.0 U	13.0 J	2.3 U	3.9 U	1.2 R		6.0 J
Iron	P	37.0	7.4	12,000 J	1420 J	44.0 J	86.0 J	4230 J	1630 J	74.0 R	1330 R	6370 J	655 J		99.0 J
Lead	F	1.0	0.20	130 J	4.6 J			13.6 J	0.62 J		1.4 J	2.0 R	0.59 R	4.1 J	5.0 J
Magnesium	P	41.0	8.2	4850 R	233 U	72.0 R	R	420 R	39.6 R	505 R	31.9 R	15.0 R	0.2 R	R	R
Manganese	P	2.0	0.40	83.6 J	12.2 J			70 J	11.0 J	2.0 J	16.2 J	0.6 J	7.2 J		3.0 J
Mercury	CV	2.0	0.2	0.11 U	0.10 U	0.21 R	0.21 R	0.10 U	0.12 U	R	R	R	R	R	R
Nickel	P	10.0	2.0	7.6 U	2.3 U	10.0 J	12.0 J	2.0 U			2.1 U				
Potassium	P	290.0	58.0	204 U	201 U			217 U	102 U				73.5 U		
Selenium	F	3.0	0.60								0.76 J	0.80 U			
Silver	P	3.0	0.60		0.57 U	5.0 J	5.0 J	0.57 U	0.65 U	4.0 J				9.0 J	9.0 J
Sodium	P	70.0	14.0	593 J	47.6		79.0 J	143 J	45.2 R	1560 J	39.9 R	201 J			
Thallium	F	1.0	0.20												
Vanadium	P	6.0	1.2	41.4 J	1.9 J			4.7 J	2.2 J		1.4 J	3.5 U			
Zinc	P	5.0	1.0	432 J	52.2 J		16.0 J	9.1 R	1.5 R	23.0 J	13.1 R	3.1 J	5.4 R		0.0 J
Cyanide	A	10.0	1.0	6.2 J	1.6 J										

NOTES:  
 - Element was not detected.  
 U - This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R - Unreliable result - Analyte may or may not be present in this sample.  
 J - Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ - This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 A - Auto Analyzer

300712

INORGANIC ANALYSIS - ANALYTICAL RESULTS			ALL SOLIDS REPORTED ON A DRY-WEIGHT BASIS												
Anson Environmental Sample Number			MW-2	MW-2	MW-50	MW-50	Field Blank	Field Blank	MW-50	Field Blank	MW-70	MW-70	MW-70	MW-70	
			15-17'	25-27'	5-7'	64-62'	(3/9/92)	(3/10/92)	(115-117')	(3/12/92)	(56-50')	FB(3/19/92)	(118-116')	FB(3/20/92)	
Laboratory Sample Number			5701	13-01	13-02	13-03	13-04	13-05	13-06	16-01	16-02	44-01	44-03	44-02	44-04
% Solids			86.0%	96.0%	97.6%	84.4%	-	-	81.9%	81.9%	-	86.3%	-	-	-
Units			mg/kg	mg/kg	mg/kg	ug/l	ug/l	mg/kg	ug/l	ug/l	mg/kg	ug/l	mg/kg	ug/l	ug/l
PARAMETER	Detection	Detection					Field	Field			Field		Field		Field
	Limit (Aq)	Limit (Sol)					Blank	Blank			Blank		Blank		Blank
Total Phenols			0.1	3											
Date of Sample Collection			3/9/92	3/9/92	3/10/92	3/10/92	3/9/92	3/10/92	3/12/92	3/12/92	3/19/92	3/19/92	3/20/92	3/20/92	3/20/92
Date of Sample Receipt			3/12/92	3/12/92	3/12/92	3/12/92	3/12/92	3/12/92	3/14/92	3/14/92	3/21/92	3/21/92	3/21/92	3/21/92	3/21/92
Date of Sample Analysis			3/10/92	3/10/92	3/10/92	3/10/92	3/10/92	3/10/92	3/19/92	3/19/92	4/10/92	4/10/92	4/10/92	4/10/92	4/10/92

- NOTES:
- Element was not detected.
  - 0 This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
  - U Unreliable result - Analyte may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - W This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.



# Anson Environmental

Environmental Audits  
Hazardous Waste  
Asbestos Management  
Groundwater Remediation  
Storage Tank Management  
Impact Statements  
Wetland Investigations

Copy marked in  
Susan Schloff's  
9/30/92 for Risk Assmt

256 Main Street  
Northport, NY 11768  
516-757-7090  
(fax) 516-757-1229

August 20, 1992

Mr. Tom Taccone, Project Manager  
United States Environmental Protection Agency  
Region II  
26 Federal Plaza  
New York, NY 10278

Re: Anchor Chemical Superfund Site  
Administrative Order No. II CERCLA-90208

Dear Mr. Taccone,

Enclosed please find the validated data from groundwater samples taken at the above referenced site. This data should have been included in the package sent to you last week.

The data for MW-12 is the duplicate sample for MW-2.

We trust this information is satisfactory for your purposes.

Very truly yours,

Dean Anson II  
Co-Facility Coordinator

Enclosure

cc: F. Werfel, Spiegel Associates

300714



Handwritten: MW-13 sample

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-page 1
Anson Environmental Sample Number	NW-1S	NW-1D	NW-6S	NW-6D	F-Blank	NW-2	NW-3	NW-12	NW-7S	NW-7D	NW-5S	NW-5D	NW-4	F-Blank
Laboratory Sample Number	I20423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08
Remarks					Field Blank									Field Blank
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit													
Chloromethane	10													
Bromomethane	10													
Vinyl Chloride	10													
Chloroethane	10													
Methylene Chloride	5	6 U	8 U	7 U	7 U	8 J	8 U	8 U	7 U	7 U	8 U	8 U	8 U	9 U
Acetone	10	10 U	15 U	12 U	14 U	33 J	11 U	21 U	14 U	15 U	13 U	16 U	13 U	12 U
Carbon Disulfide	5													
1,1-Dichloroethene	5													
1,1-Dichloroethane	5													
Total 1,2-Dichloroethane	5													
Chloroform	5													
1,2-Dichloroethane	5													
2-Butanone	10													
1,1,1-Trichloroethane	5							8						3 J
Carbon Tetrachloride	5													
Vinyl Acetate	10													
Bromodichloromethane	5													
1,1,2,2-Tetrachloroethane	5													
1,2-Dichloropropane	5													
trans-1,3-Dichloropropene	5													
1,1,1-Trichloroethane	5													
Dibromochloromethane	5													
1,1,2-Trichloroethane	5													
Benzene	5													

300715

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS														-Page 2
Ansen Environmental Sample Number	MM-1S	MM-1D	MM-6S	MM-6D	F-Blank	MM-2	MM-3	MM-12	MM-7S	MM-7D	MM-5S	MM-5D	MM-4	F-Blank
Laboratory Sample Number	I20423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08
Remarks						Field Blank								Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOLATILE COMPOUNDS	Quantitation Limit													
cis-1,3-Dichloropropene	5													
trans-1,3-Dichloropropene	5													
Hexanone	10													
4-Methyl-2-Pentanone	10													
Tetrachloroethene	5													
Toluene	5													
Chlorobenzene	5													
Ethylbenzene	5													
Styrene	5													
Total Xylenes	5													
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92
Date Sample Received by Laboratory	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92
Date of Sample Analysis	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/4/92	5/4/92	5/2/92	5/2/92	5/3/92	5/3/92	5/3/92
Instrument Used for Analysis	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C	5995C

- NOTES:
- Compound was not detected.
  - U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - W This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300716

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS														-page 3
Anson Environmental Sample Number	MW-1S	MW-1D	MW-6S	MW-6D	F-Blank	MW-2	MW-3	MW-12	MW-7S	MW-7D	MW-5S	MW-5D	MW-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS														
VOLATILE COMPONENTS	-						-	-		-	-		-	-
Carbon Dioxide (Laboratory Artifact)		7 R	7 R	5 R	10 R	10 R			6 R			10 R		

- NOTES:
- Compound was not detected.
  - U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300717

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Annon Environmental Sample Number	MI-1S	MI-1D	MI-6S	MI-6D	F-Blank	MI-2	MI-3	MI-12	MI-7S	MI-7D	MI-5S	MI-5D	MI-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit													
Phenol	10													
bis(2-Chloroethyl)ether	10													
-Chlorophenol	10													
1,3-Dichlorobenzene	10													
1,4-Dichlorobenzene	10													
Benzyl Alcohol	10													
1,2-Dichlorobenzene	10													
2-Methylphenol	10													
bis(2-Chloroisopropyl)ether	10													
4-Methylphenol	10													
N-Nitroso-di-n-Propylamine	10							U3						
Hexachloroethane	10													
Nitrobenzene	10													
Isophorone	10													
2-Nitrophenol	10													
2,4-Dimethylphenol	10													
Benzoic Acid	50													
bis(2-Chloroethoxy)methane	10													
2,4-Dichlorophenol	10													
2,4-Trichlorobenzene	10													
Naphthalene	10													
4-Chloroaniline	10													
Hexachlorobutadiene	10													
4-Chloro-3-Methylphenol	10													
1,7-Methylnaphthalene	10													

300718

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	MU-1S	MU-10	MU-6S	MU-6D	F-Blank	MU-2	MU-3	MU-12	MU-7S	MU-7D	MU-5S	MU-5D	MU-4	F-Blank	
Laboratory Sample Number	I20423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank										Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMIVOLATILE COMPOUNDS	Quantitation Limit														
Hexachlorocyclopentadiene	10														
2,4,6-Trichlorophenol	10														
5-Trichlorophenol	50														
12-Chloronaphthalene	10														
2-Nitroaniline	50														
Dimethylphthalate	10														
Acenaphthylene	10														
3-Nitroaniline	50														
Acenaphthene	10														
2,4-Dinitrophenol	50														
4-Nitrophenol	50														
Dibenzofuran	10														
2,4-Dinitrotoluene	10														
2,6-Dinitrotoluene	10														
Diethylphthalate	10														
4-Chlorophenylphenylether	10														
Fluorene	10														
4-Nitroaniline	50														
4,6-Dinitro-2-Methylphenol	50														
4-Nitrosodiphenylamine	10														
0-monomethylphenylether	10														
Hexachlorobenzene	10														
Pentachlorophenol	50														
Phenanthrene	10														

300719

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	MW-1S	MW-1D	MW-6S	MW-6D	F-Blank	MW-2	MW-3	MW-12	MW-7S	MW-7D	MW-5S	MW-5D	MW-4	F-Blank
Laboratory Sample Number	120423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08
Remarks						Field Blank								Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEMI-VOLATILE COMPOUNDS	Quantitation Limit													
Anthracene	10													
Di-n-Butylphthalate	10													
Fluoranthene	10													
Pyrene	10													
Butylbenzylphthalate	10													
3,3'-Dichlorobenzidine	20													
Benzo(a)anthracene	10													
bis(2-Ethylhexyl)phthalate	10		B J	6 J	5 J				17	17	65	30	19	
Chrysene	10													
Di-n-Octylphthalate	10													
Benzo(b)fluoranthene	10													
Benzo(k)fluoranthene	10													
Benzo(a)pyrene	10													
Indeno(1,2,3-cd)pyrene	10													
Dibenz(a,h)anthracene	10													
Benzo(g,h,i)perylene	10													
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92
Date Sample Received by Laboratory	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92
Date Sample Extracted	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92	4/29/92
Date of Sample Analysis	5/2/92	5/2/92	5/2/92	5/2/92	5/2/92	5/1/92	5/1/92	5/1/92	5/1/92	5/1/92	5/1/92	5/2/92	5/2/92	5/2/92
Instrument Used for Analysis	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B	5995B

300720

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS														-page 7
Anson Environmental Sample Number	MW-1S	MW-1D	MW-6S	MW-6D	F-Blank	MW-2	MW-3	MW-12	MW-7S	MW-7D	MW-5S	MW-5D	MW-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUNDS														
SEMI-VOLATILE COMPONENTS					-	-		-						-
Unknown Oxygenated Compounds (No. of Peaks)	314 (7) J	356 (6) J	142 (5) J	258 (6) J					606 (9) J	452 (6) J	20 (2) J	440 (9) J	580 (10) J	
1,4-Dioxane							110 J							
benzothiazole											10 J			
Phthalate ester											18 J			
Hexanoic acid, 2-ethyl-												26 J		
Hexadecanoic acid												16 J		
Saturated hydrocarbon (No. of Peaks)												42 (4) J		

- NOTES:
- Compound was not detected.
  - U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300721



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	MW-1S	MW-1D	MW-6S	MW-6D	F-Blank	MW-2	MW-3	MW-12	MW-7S	MW-7D	MW-5S	MW-5D	MW-4	F-Blank	
Laboratory Sample Number	120423	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank										Field Blank
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Pesticides	Quantitation Limit														
alpha-BHC	0.05														
beta-BHC	0.05														
gamma-BHC	0.05											UJ			
gamma-DHC (Lindane)	0.05														
Heptachlor	0.05														
Aldrin	0.05														
Heptachlor Epoxide	0.05														
Endosulfan I	0.05														
Dieldrin	0.10														
4,4'-DDE	0.10														
Endrin	0.10														
Endosulfan II	0.10														
4,4'-DDD	0.10														
Endosulfan Sulfate	0.10														
4,4'-DDT	0.10														
Methoxychlor	0.50														
Endrin Ketone	0.10														
alpha-Chlordane	0.50														
gamma-Chlordane	0.50														
Strene	1.0														

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	MU-1S	MU-1D	MU-6S	MU-6D	F-Blank	MU-2	MU-3	MU-12	MU-7S	MU-7D	MU-5S	MU-5D	MU-4	F-Blank
Laboratory Sample Number	1-01	1-02	1-03	1-04	1-05	2-01	2-02	2-03	2-04	2-05	2-06	2-07	2-08	2-09
Remarks					Field Blank									Field Blank
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs	Quantitation Limit													
Aroclor-1016	0.5													
Aroclor-1221	0.5													
Aroclor-1232	0.5													
Aroclor-1242	0.5													
Aroclor-1248	0.5													
Aroclor-1254	1.0													
Aroclor-1260	1.0													
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Date of Sample Collection	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/23/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92	4/22/92
Date Sample Received by Laboratory	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92	4/24/92
Date Sample Extracted	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92	4/28/92
Date of Sample Analysis	5/4/92	5/4/92	5/4/92	5/4/92	5/4/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92	5/5/92
Instrument Used for Analysis	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E	5890E

- NOTES:
- Compound was not detected.
  - U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - WJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300723

**B. INORGANIC DATA**

300724

INORGANIC ANALYSIS - ANALYTICAL RESULTS												-page 1	
Anson Environmental Sample Number		FD-1	MA-12	MA-10	MA-15	MA-2	MA-3	MA-4	MA-50	MA-55	MA-60	MA-65	
Laboratory Sample Number		00207-14S	00207-12S	00207-02S	00207-01S	00207-03S	00207-04S	00207-05S	00207-06S	00207-07S	00207-08S	00207-09S	
Remarks		Field Blank											
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
INORGANIC ELEMENTS	Detection Limit												
Aluminum	P	84.0	120 J	5490 J	3020 J	190 U	5600 J	2260 J	250 U	1670 J	1700 J	371 U	419 U
Antimony	P	49.0											
Arsenic	F	2.0			(x5)	3.2 U	3.4 U		2.0 U	3.2 U			
Barium	P	3.0	UJ	43.0 J	37.0 J	10.0 J	30.0 J	60.0 J	27.0 J	54.0 J	11.0 J	7.0 J	35.0 J
Beryllium	P	1.0	3.0	3.0 U	2.0 U	2.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Cadmium	P	4.0											
Calcium	P	36.0	65.0	5600	19,000	9200	5000	11,500	9200	23,600	25,200	12,400	19,300
Chromium	P	6.0	UJ	270 J	132 J	11.0 J	317 J	227 J	14.0 J	40.0 J	137 J	33.0 J	13.0 J
Cobalt	P	9.0	12.0	10.0 U	10.0 U	9.0 U	10.0 U	11.0 U		14.0 U	14.0 U	10.0 U	
Copper	P	3.0	3.0 J	73.0 J	26.0 U	17.0 U	74.0 J	115 J	25.0 U	59.0 J	100 J	10.0 U	27.0 U
Iron	P	37.0	46.0	7940	3990	490	7990	4510	615	1920	3470	450	707
Lead	F	1.0	4.6 J	51.4 J	29.4 J	22.0 R	74.7 J	30.2 J	15.6 R	31.4 J	44.4 J	10.5 R	10.2 R
Magnesium	P	41.0	65.0	1160	2100	1120	1310	1000	1500	550	1500	1670	2450
Manganese	P	2.0		83.0 J	32.0 J	25.0 J	95.0 J	74.0 J	53.0 J	23.0 J	52.0 J	92.0 J	43.0 J
Mercury	CV	0.20						0.20 J					
Nickel	P	10.0		16.0	30.0	14.0	17.0	50.0		20.0	92.0	22.0	
Potassium	P	290		2090 U	3010	1960 U	2340	2590	1440 U	61,500	1690 U	5010	2600
Selenium	F	3.0					R						
Silver	P	3.0	3.0		3.0 U	6.0 U		4.0 U	13.0 U		5.0 U		
Sodium	P	70.0	81.0 J	10,000 J	41,200 J	19,700 J	19,300 J	25,400 J	3600 J	30,700 J	2920 J	12,700 J	14,000 J
Sulfur	F	1.0											
Vanadium	P	6.0		13.0	6.0		13.0						
Zinc	P	5.0	7.0	17.0 R	45.0	50	20.0 R	29.0 R	76.0	66.0	67.0	30.0 R	40.0
Cyanide	A	10.0	UJ	UJ	NA	*	NA	*	UJ	UJ	UJ	UJ	UJ
Phenols	S	100	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ

NOTES:

- Element was not detected.
- J - Quantitation is approximate due to limitations identified in the quality assurance review.
- U - This result should be considered "not-detected" since this constituent was detected in a laboratory blank(s) at a similar level.
- R - Unreliable results - Analyte may or may not be present in this sample.
- UJ - Not detected, but the detection limit is probably higher than reported based upon a low bias identified during the quality assurance review.
- NA - Not analyzed. See quality assurance review.
- \* - See quality assurance review.
- (x5) - Due to a dilution required for analysis, the reported detection limit for the analyte in the sample is five times the instrument detection limit.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer
- S - Manual Spectrophotometric Analysis

300725

INORGANIC ANALYSIS - ANALYTICAL RESULTS		-page 2			
Anson Environmental Sample Number		NA-70	NA-75	FB-2	
Laboratory Sample Number		00207-10S	00207-11S	00207-15S	
Remarks				Field Blank	
Units		ug/L	ug/L	ug/L	
INORGANIC ELEMENTS	Detection Limit				
Aluminum	P	04.0	520 U	345 U	151 J
Antimony	P	49.0			
Asenic	F	2.0		2.0 U	
Barium	P	3.0	53.0 J		UJ
Beryllium	P	1.0	3.0 U	3.0 U	3.0
Cadmium	P	4.0		4.0	
Calcium	P	36.0	16,300	6820	66.0
Chromium	P	6.0	18.0 J	33.0 J	UJ
Cobalt	P	9.0	10.0 U	12.0 U	9.0
Copper	P	3.0	37.0 J	27.0 U	5.0 J
Iron	P	37.0	754	489	39.0
Lead	F	1.0	27.9 J	27.9 J	1.3 J
Magnesium	P	41.0	1720	651	
Manganese	P	2.0	35.0 J	26.0 J	2.0 J
Mercury	CV	0.20	UJ		
Nickel	P	10.0	22.0	21.0	
Potassium	P	290	2540	4820	
Selenium	F	3.0			
Silver	P	3.0			
Sodium	P	70.0	16,100 J	4090 J	122 J
Strontium	F	1.0	UJ		
Vanadium	P	6.0			
Zinc	P	5.0	61.0	45.0	6.0
Cyanide	A	10.0	UJ	UJ	UJ
Phenols	S	100	UJ	UJ	UJ

NOTES:

- - Element was not detected.
- J - Quantitation is approximate due to limitations identified in the quality assurance review.
- U - This result should be considered "not-detected" since this constituent was detected in a laboratory blank(s) at a similar level.
- R - Unreliable results - Analyte may or may not be present in this sample.
- UJ - Not detected, but the detection limit is probably higher than reported based upon a low bias identified during the quality assurance review.
- NA - Not analyzed. See quality assurance review.
- \* - See quality assurance review.
- (x5) - Due to a dilution required for analysis, the reported detection limit for the analyte in the sample is five times the instrument detection limit.

ANALYTICAL METHOD:

- P - Inductively Coupled Plasma
- F - Graphite Furnace Atomic Absorption
- CV - Cold Vapor Atomic Absorption
- A - Auto Analyzer
- S - Manual Spectrophotometric Analysis

300726

# Anson Environmental Ltd.

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*Environmental Audits  
Hazardous Waste  
Asbestos Management  
Groundwater Remediation  
Storage Tank Management  
Impact Statements  
Wetland Investigations*

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Northport, NY 11768  
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September 9, 1992

Jonathan Greco  
New York State Department of Environmental Conservation  
Federal Projects Section  
Bureau of Eastern Remedial Action  
Division of Hazardous Waste Remediation  
50 Wolf Road  
Albany, NY 12233-7010

Re: Anchor Chemical Site  
500 West John Street, Hicksville, Long Island

Dear Mr. Greco,

This letter is to confirm our telephone conversation during which we discussed the disposal of soil cuttings drummed during installation of monitoring wells and indoor soil borings. As we have discussed, the soil samples have been analyzed for the Target Compound List and the data validated by Environmental Standards, Inc. All samples were determined to be non-hazardous. Therefore, we request approval to dispose of the 148 drums as clean fill.

During the installation of the indoor borings and monitoring wells, the Project Operations Plan (POP) for the site required that soil samples collected using a split spoon be screened in the field using an HNu or OVM to test for the presence of volatile organic compounds. According to the POP, the samples with the highest field readings were to be submitted for laboratory analysis for the Target Compound List. This work has been completed and the validated data for all but indoor borings #3 and 4 have been received. These data will be available shortly.

We have enclosed copies of the validated data for monitoring wells 1 deep, 4, 6 shallow and deep, 5 deep and 7 deep and indoor borings #1, 2, 5 and 6.



In the attached chart, the concentration of each compound is compared to the action levels identified in the State's "Contained-In" Criteria Guidance document transmitted to us on April 22, 1992. Our chart indicates that the concentration of each chemical compound is below each action level. Therefore, the soils in the drums are considered non-hazardous.

The sources of chemical compounds identified in these samples are from naturally occurring materials, laboratory contaminants or from activities onsite. For instance, the compound, bis (2-ethylhexyl) phthalate, is commonly introduced by the laboratories as a result of the analytical processes.

The metals which are identified occur naturally in the soil of this region. Chloroform was identified in the field blanks only. The acetone was probably introduced as part of the decontamination process.

Since the chemical compounds identified are at very low concentrations regardless of their origin, we propose to dispose of this drummed soil as clean fill at a construction site being developed by Spiegel Associates. The site is located west of Unqua Road on the south side of Sunrise Highway in Massapequa, Long Island. This property, like the Anchor Chemical site, is managed by Spiegel Associates.

We trust that this information is satisfactory for your purposes. If you have any questions, please do not hesitate to call us. If you would like to meet to discuss this matter, we can make arrangements to do so.

Very truly yours,

Dean Anson II

cc: Arthur Sanders, Spiegel Associates  
Richard Leland, Esq., Rosenman & Colin  
Thomas Taccone, Region 2, USEPA

300728

Anchor Chemical Validated Data Summary Sheet

Constituent	Soil/Sediment Action Level (mg/Kg)	MW-1D	MW-4	MW-6S	MW-6D	MW-5D	MW-6D	MW-6D	MW-7D	MW-7D	IB 1	IB 2	IB 2	IB 2	IB 5	IB 6	IB 6	IB 6	
		(59-63)	(60-62)	(74-76)	(60-62)	(5-7)	(60-62)	(115-117)	(88-88)	(114-116)	(10-12)	(15-17)	(10-12)	(15-17)	(15-17)	(35-37)	(30-32)	(40-42)	
Arsenic, total	8	0.44	0.53	0.74	0.85	0.8	55J	1.1			1.5	1	0.89						
Barium, total	4000					3.2J		0.82			7.3J	6.5J	3.1	2.6	4.4	3.7			
2-Butanone	4000							37	32										
Cadmium, total	8							0.82			1.2J	.83J							
4-Chloroaniline	200					78J													
Heptachlor	0.16								.2J										
Manganese, total	20000	8.1	12.6	21.2	12.3	14.8	25.4	8.6	7.2J	66.9	54.3	53	28.2	35	36.2	64.3	47.4		
Vanadium	600									6	3.3	3.4	2.4						
Zinc, total	2000							3.1		7.6	6.5	8.7	8.3						
No Standards																			
Aluminum		513	408	717	383	515	81.1	290J	410J	1810	1200	1600	784	883	1360	1110	1180		
Chromium		2.1	1.4	2.6	3.2	3.7	4J	3.7J	1.4J	11.6J				4.6	3.8	2.4	3.8		
Cobalt							36J												
Iron		1450	936	1540	1260	1360	1960	665J	1630J	5640	5350	4300	2950	3910	3490	2240	3300		
Lead		1.3	1.1	0.98	1.3	2.1	13.6J	.62J		2	1.2	2.3	1.3	0.74	1.2	0.85	1		
Magnesium		28.8	7.5	19.7	12.5	34.6	28.5			285	243	305	148	35	38.2	64.3	47.4		
Selenium								.76J											
bis (2-ethylhexyl)phthalate		180J	330J				36J			130J	210J				130J				
2-butoxyethanol										30J	60J	200J	100J				400		



Soil Samples from Installation of Monitoring Wells  
1D, 4, 6S, 6D

300730

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 1	
Aspen Sample Number	MA-10 (59-61')	MA-10 (59-63')	Field Blank	MA-10 (120-122')	Field Blank	Trip Blank	MA-4 (60-62')	MA-4 (75-77')	Field Blank	Trip Blank	MA-60 (60-62')	MA-65 (74-76')	Field Blank	Trip Blank	
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111185-01	1111185-02	1111185-03	1111185-04	
Remarks															
Units	ug/kg	NA	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	
VOLATILE COMPOUNDS	Quantitation Limit														
Chloroethane	10		NA								0.3	0.3			
n-ethane	10	0.3	NA		0.3		0.3	0.3			0.3	0.3			
1-Chloride	10		NA								0.3	0.3			
Chloroethane	10		NA								0.3	0.3			
Ethylene Chloride	5	6 W	NA	3 J	7 W	3 J	3 J	14 W	7 W	3 J	3 J	7 W	6 W	4 J	4 J
Acetone	10	13 W	NA	5 J	110 W	14		54 W	39 W	41	30	26 W	12 W	7 J	3 J
Carbon Disulfide	5		NA									0.3	0.3		
1,1-Dichloroethane	5		NA									0.3	0.3		
1,1-Dichloroethane	5		NA									0.3	0.3		
1,1,2-Dichloroethane	5		NA									0.3	0.3		
Chloroform	5		NA	16		13				12		0.3	0.3	17	
1,2-Dichloroethane	5		NA									0.3	0.3		
2-Butanone	10		NA									0.3	0.3		
1,1,1-Trichloroethane	5		NA									0.3	0.3		
Carbon Tetrachloride	5		NA									0.3	0.3		
Vinyl Acetate	10		NA									0.3	0.3		
Bromodichloroethane	5		NA									0.3	0.3		
1,1,2,2-Tetrachloroethane	5		NA									0.3	0.3		
1,2-Dichloropropane	5		NA									0.3	0.3		
trans-1,3-Dichloropropene	5		NA									0.3	0.3		
Trichloroethane	5		NA									0.3	0.3		
monochloroethane	5		NA									0.3	0.3		
1,1,1-Trichloroethane	5		NA									0.3	0.3		
Benzene	5		NA									0.3	0.3		

300731

-page 2

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														
Amoco Sample Number	MP-10 (59-61')	MP-10 (59-63')	Field Blank	MP-10 (129-122')	Field Blank	Trip Blank	MP-4 (66-62')	MP-4 (75-77')	Field Blank	Trip Blank	MP-60 (68-62')	MP-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Units	ug/Kg	NA	ug/L	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg	ug/L	ug/L
Quantitation Limit														
cis-1,3-Dichloropropene	5	NA									UJ	UJ		
transform	5	NA									UJ	UJ		
Hexanone	10	NA									UJ	UJ		
4-Methyl-2-Pentanone	10	NA									UJ	UJ		
Tetrachloroethene	5	NA									UJ	UJ		
Toluene	5	NA									UJ	UJ		
Chlorobenzene	5	NA									UJ	UJ		
Ethylbenzene	5	NA									UJ	UJ		
Styrene	5	NA									UJ	UJ		
Total Xylenes	5	NA									UJ	UJ		
Quantitation Limit Multiplier	1.2	NA	1.0	1.3	1.0	1.0	2.1	1.3	1.0	1.0	1.3	1.2	1.0	1.0
Date of Sample Collection	11/19/91	NA	11/19/91	11/21/91	11/21/91	11/19/91	11/24/91	11/24/91	11/24/91	11/24/91	11/26/91	11/26/91	11/26/91	11/26/91
Date Sample Received by Laboratory	11/21/91	NA	11/21/91	11/21/91	11/21/91	11/21/91	11/26/91	11/26/91	11/26/91	11/26/91	11/27/91	11/27/91	11/27/91	11/27/91
Date of Sample Analysis	11/27/91	NA	11/30/91	11/27/91	11/30/91	11/30/91	11/27/91	11/27/91	11/30/91	11/30/91	12/10/91	12/10/91	12/2/91	12/2/91
Instrument Used for Analysis	GC/MS-5995C	NA	5995A	5995C	5995A	5995A	5995C	5995C	5995A	5995A	5995C	5995C	5995A	5995A

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

300732

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Sample Number	MM-10 (59-61')	MM-10 (59-63')	Field Blank	MM-10 (120-122')	Field Blank	Trip Blank	MM-4 (60-62')	MM-4 (75-77')	Field Blank	Trip Blank	MM-60 (60-62')	MM-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Remarks														
Units	NA	ug/kg	ug/l	ug/kg	ug/l	NA	ug/kg	ug/kg	ug/l	NA	ug/kg	ug/kg	ug/l	NA
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						Analyzed Twice						
Phenol	10	330	NA			NA				NA				NA
1-Chloroethyl ether	10	330	NA			NA				NA				NA
o-Cresophenol	10	330	NA			NA				NA				NA
1,3-Dichlorobenzene	10	330	NA			NA				NA				NA
1,4-Dichlorobenzene	10	330	NA			NA				NA				NA
Benzyl Alcohol	10	330	NA			NA				NA				NA
1,2-Dichlorobenzene	10	330	NA			NA				NA				NA
2-Methylphenol	10	330	NA			NA				NA				NA
bis(2-Chloroisopropyl) ether	10	330	NA			NA				NA				NA
1,4-Diethylphenol	10	330	NA			NA				NA				NA
N-Nitroso-di-n-Propylamine	10	330	NA			NA				NA				NA
Hexachloroethane	10	330	NA			NA				NA				NA
Nitrobenzene	10	330	NA			NA				NA				NA
Isophorone	10	330	NA			NA				NA				NA
2-Nitrophenol	10	330	NA			NA				NA				NA
2,4-Diethylphenol	10	330	NA			NA				NA				NA
Benzoic Acid	50	1700	NA			NA				NA				NA
bis(2-Chloroethoxy)methane	10	330	NA			NA				NA				NA
2,4-Dichlorophenol	10	330	NA			NA				NA				NA
1,2,4-Trichlorobenzene	10	330	NA			NA				NA				NA
o-xthalene	10	330	NA			NA				NA				NA
o-cresol	10	330	NA			NA				NA				NA
Hexachlorobutadiene	10	330	NA			NA				NA				NA
4-Chloro-3-Methylphenol	10	330	NA			NA				NA				NA
2-Methylnaphthalene	10	330	NA			NA				NA				NA

300733

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

-page 4

Asen Sample Number	MA-10 (59-61')	MA-10 (59-63')	Field Blank	MA-10 (120-122')	Field Blank	Trip Blank	MA-4 (60-62')	MA-4 (75-77')	Field Blank	Trip Blank	MA-60 (60-62')	MA-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Units	NA	ug/Kg	ug/L	ug/Kg	ug/L	NA	ug/Kg	ug/Kg	ug/L	NA	ug/Kg	ug/Kg	ug/L	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)					Analyzed Twice							
Hexachlorocyclopentadiene	10	330	NA			NA				NA				NA
2,4,6-Trichlorophenol	10	330	NA			NA				NA				NA
2,4,5-Trichlorophenol	50	1700	NA			NA				NA				NA
2-Chloronaphthalene	10	330	NA			NA				NA				NA
2-Nitroaniline	50	1650	NA			NA				NA				NA
Dimethylphthalate	10	330	NA			NA				NA				NA
Acenaphthylene	10	330	NA			NA				NA				NA
3-Nitroaniline	50	1700	NA			NA				NA				NA
Acenaphthene	10	330	NA			NA				NA				NA
o-Nitrophenol	50	1700	NA			NA				NA				NA
4-Nitrophenol	50	1700	NA			NA				NA				NA
Dibenzofuran	10	330	NA			NA				NA				NA
2,4-Dinitrotoluene	10	330	NA			NA				NA				NA
2,6-Dinitrotoluene	10	330	NA			NA				NA				NA
Diethylphthalate	10	330	NA			NA				NA				NA
4-Chlorophenylphenylether	10	330	NA			NA				NA				NA
Fluorene	10	330	NA			NA				NA				NA
4-Nitroaniline	50	1700	NA			NA				NA				NA
4,6-Dinitro-2-Nethylphenol	50	1700	NA			NA				NA				NA
8-Nitroodiphenylamine	10	330	NA			NA				NA				NA
4-Bromophenylphenylether	10	330	NA			NA				NA				NA
m-Chlorobenzene	10	330	NA			NA				NA				NA
p-Tolchlorophenol	50	1700	NA			NA				NA				NA
Phenanthrene	10	330	NA			NA				NA				NA

300734

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Location Sample Number	MU-10 (59-61')	MU-10 (59-63')	Field Blank	MU-10 (120-122')	Field Blank	Trip Blank	MU-4 (60-62')	MU-4 (75-77')	Field Blank	Trip Blank	MU-60 (60-62')	MU-65 (70-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Remarks														
Units	NA	ug/kg	ug/L	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)	Analyzed Twice											
Anthracene	10	330	NA			NA				NA				NA
n-Butylphthalate	10	330	NA			NA				NA				NA
Fluoranthene	10	330	NA			NA				NA				NA
Pyrene	10	330	NA			NA		-/BJ		NA				NA
Butylbenzylphthalate	10	330	NA			NA		-/BJ		NA				NA
3,3'-Dichlorobenzidine	20	660	NA			NA		-/BJ		NA				NA
Benzo(a)anthracene	10	330	NA			NA		-/BJ		NA				NA
Bis(2-Ethylhexyl)phthalate	10	330	NA	100 J	330 B	3 J	NA	-/BJ		NA	36 J			NA
Chrysene	10	330	NA			NA		-/BJ		NA				NA
Di-n-Octylphthalate	10	330	NA			NA		BJ/BJ		NA				NA
Benzo(b)fluoranthene	10	330	NA			NA		BJ/BJ		NA				NA
Benzo(k)fluoranthene	10	330	NA			NA		BJ/BJ		NA				NA
Benzo(a)pyrene	10	330	NA			NA		BJ/BJ		NA				NA
Indeno(1,2,3-cd)pyrene	10	330	NA			NA		BJ/BJ		NA				NA
Dibenz(a,h)anthracene	10	330	NA			NA		BJ/BJ		NA				NA
Benzo(g,h,i)perylene	10	330	NA			NA		BJ/BJ		NA				NA
Quantitation Limit Multiplier	NA	1.2	1.0	1.3	1.0	NA	2.1	1.3	1.0	NA	1.3	1.2	1.0	NA
Date of Sample Collection	NA	11/19/91	11/19/91	11/21/91	11/21/91	NA	11/24/91	11/24/91	11/24/91	NA	11/26/91	11/26/91	11/26/91	NA
Date Sample Received by Laboratory	NA	11/21/91	11/21/91	11/21/91	11/21/91	NA	11/26/91	11/26/91	11/26/91	NA	11/27/91	11/27/91	11/27/91	NA
Date Sample Extracted	NA	11/25/91	11/22/91	11/25/91	11/22/91	NA	11/27/91	11/27/91	11/27/91	NA	12/03/91	12/03/91	12/01/91	NA
Date of Sample Analysis	NA	11/30/91	11/30/91	11/30/91	11/30/91	NA	12/03/91	12/03 & 12/04	12/04/91	NA	12/06/91	12/06/91	12/03/91	NA
Instrument Used for Analysis	GC/MS-	NA	59950	59950	59950	NA	59950	59950	59950	NA	59950	59950	59950	NA

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 6
Anon Sample Number	HW-10 (59-61')	HW-10 (59-63')	Field Blank	HW-10 (120-122')	Field Blank	Trip Blank	HW-4 (60-62')	HW-4 (75-77')	Field Blank	Trip Blank	HW-60 (60-62')	HW-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	I111142-01	I111142-02	I111142-03	I111142-04	I111142-05	I111142-06	I111164-01	I111164-02	I111164-03	I111164-04	I111185-01	I111185-02	I111185-03	I111185-04
Remarks														
Units	ug/kg	NA	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg	ug/L	ug/L
COMPOUNDS														
VOLATILE COMPONENTS	-	NA	-	-	-	-	-	-	-	-	-	-	-	-
NONVOLATILE COMPONENTS	NA					NA				NA				NA
Trichloroethane isomer		150 J												
Unknown											170 J	200 J		
Laboratory artifacts							400 A	520 R/600 R			9500 R	7600 R		
Unknown hydrocarbon												560 J		
Blank contamination				210 R									12 J	

NOTES:

- Compound was not detected.
- B This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- QJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS														-page 7
Anson Sample Number	MU-10 (59-61')	MU-10 (59-63')	Field Blank	MU-10 (120-122')	Field Blank	Trip Blank	MU-4 (60-62')	MU-4 (75-77')	Field Blank	Trip Blank	MU-60 (60-62')	MU-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111185-01	1111185-02	1111185-03	1111185-04
Remarks														
Units	NA	ug/kg	ug/L	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA
Pesticides	Quantitation Limit (Aq)	Quantitation Limit (Sol)												
alpha-BHC	0.05	0.0	NA			NA				NA				NA
beta-BHC	0.05	0.0	NA			NA				NA				NA
delta-BHC	0.05	0.0	NA			NA				NA				NA
gamma-BHC (lindane)	0.05	0.0	NA			NA				NA				NA
Heptachlor	0.05	0.0	NA			NA				NA				NA
Aldrin	0.05	0.0	NA			NA				NA				NA
Heptachlor Epoxide	0.05	0.0	NA			NA				NA				NA
Endosulfan I	0.05	0.0	NA			NA				NA				NA
Dieldrin	0.10	16.0	NA			NA				NA				NA
4,4'-DDE	0.10	16.0	NA			NA				NA				NA
Endrin	0.10	16.0	NA			NA				NA				NA
Endosulfan II	0.10	16.0	NA			NA				NA				NA
4,4'-DDD	0.10	16.0	NA			NA				NA				NA
Endosulfan Sulfate	0.10	16.0	NA			NA				NA				NA
4,4'-DDT	0.10	16.4	NA			NA				NA				NA
Heptachlor	0.50	80	NA			NA				NA				NA
Endrin Ketone	0.10	16.0	NA			NA				NA				NA
alpha-Chlordane	0.50	80	NA			NA				NA				NA
gamma-Chlordane	0.50	80	NA			NA				NA				NA
Toxaphene	1.0	160.0	NA			NA				NA				NA

NOTES:  
 - Compound was not detected.  
 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 0 Unreliable result - Compound may or may not be present in this sample.  
 2 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 13 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Area Sample Number	MU-10 (59-61')	MU-10 (59-63')	Field Blank	MU-10 (120-122')	Field Blank	Trip Blank	MU-4 (60-62')	MU-4 (75-77')	Field Blank	Trip Blank	MU-60 (60-62')	MU-65 (74-76')	Field Blank	Trip Blank
Laboratory Sample Number	1111142-01	1111142-02	1111142-03	1111142-04	1111142-05	1111142-06	1111164-01	1111164-02	1111164-03	1111164-04	1111105-01	1111105-02	1111105-03	1111105-04
Units	NA	ug/kg	ug/L	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA	ug/kg	ug/kg	ug/L	NA
PCBs	Quantitation Limit (ug)	Quantitation Limit (ug)												
Areacor-1816	0.5	90	NA			NA				NA				NA
Areacor-1221	0.5	90	NA			NA				NA				NA
Areacor-1232	0.5	90	NA			NA				NA				NA
Areacor-1242	0.5	90	NA			NA				NA				NA
Areacor-1248	0.5	90	NA			NA				NA				NA
Areacor-1254	1.0	160	NA			NA				NA				NA
Areacor-1260	1.0	160	NA			NA				NA				NA
Quantitation Limit Multiplier	NA	1.2	1.0	1.3	1.0	NA	2.1	1.3	1.0	NA	1.3	1.2	1.0	NA
Date of Sample Collection	NA	11/19/91	11/19/91	11/21/91	11/21/91	NA	11/24/91	11/24/91	11/24/91	NA	11/26/91	11/26/91	11/26/91	NA
Date Sample Received by Laboratory	NA	11/21/91	11/21/91	11/21/91	11/21/91	NA	11/26/91	11/26/91	11/26/91	NA	11/27/91	11/27/91	11/27/91	NA
Date Sample Extracted	NA	11/28/91	11/22/91	11/25/91	11/22/91	NA	11/27/91	11/27/91	11/27/91	NA	12/3/91	12/3/91	12/3/91	NA
Date of Sample Analysis	NA	11/29/91	11/29/91	11/29/91	11/29/91	NA	11/29/91	11/29/91	11/29/91	NA	12/14/91	12/14/91	12/13/91	NA

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- D Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

**B. INORGANIC AND CONVENTIONALS DATA**

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS											-page 1	
Johnson Environmental Sample Number	MI-10	Field Blank	MI-10	Field Blank	MI-4	Field Blank	MI-4	MI-60	MI-65	Field Blank		
Laboratory Sample Number	(59-63*)	(11-19)	(120-122*)	(11-21)	(60-62*)	(11-24)	(75-77*)	(60-62*)	(74-76*)	(11-26)		
00649-	015	025	035	045	055	065	085	095	105	125		
Percent Solids	87.16	-	88.74	-	77.64	-	88.64	85.84	88.74	-		
Units	mg/kg	ug/l	mg/kg	ug/l	mg/kg	ug/l	mg/kg	mg/kg	mg/kg	ug/l		
INORGANIC ELEMENTS	Aqueous Detection Limit	Solid Detection Limit										
Aluminum	P 72	14.4	513	83.0 U	400	110 U	717	91.0 U	383	811	515	89.0 U
any	P 45	9.0										
Arsenic	F 2.0	0.40	0.44		0.63		0.53		0.74	0.80	0.85	
Barium	P 3.0	0.60	3.8 U		2.2 U	5.0	3.1 U		1.0 U	2.7 U	2.2 U	
Beryllium	P 1.0	0.20	0.52 U	3.0	0.54 U	3.0	0.59 U	3.0	0.70 U	0.77 U	1.1 U	3.0
Cadmium	P 4.0	0.80										
Calcium	P 30	7.6	31.1 U	105	24.4 U	111	30.5 U	123	63.7 U	30.0 U	33.7 U	177
Chromium	P 7.0	1.4	2.1		1.4		2.6		3.2	3.4	3.7	
Cl	P 10	2.0										
Copper	P 2.0	0.40	1.7 U	0.0	2.2 U	7.0	2.4 U	0.0	2.3 U	2.3 U	2.0 U	10.0
Iron	P 9.0	1.8	1450	35.0 J	936	86.0 J	1540	45.0 J	1260	1960	1360	66.0 J
Lead	F 1.0	0.20	0.00 U	3.4	1.3	1.1	1.1	2.3	0.90	2.1	1.3	1.6
Magnesium	P 40	8.0	26.0		7.5		19.7		12.5	28.5	34.6	55.0
Manganese	P 1.0	0.20	0.1	2.0	12.6	10.0	21.2	2.0	12.3	25.4	14.0	6.0
Mercury	CV 0.20	0.02										
Nickel	P 12.0	2.4										
Potassium	P 2140	420										
Selenium	F 4.0	0.80										
Silver	P 6.0	1.2	U	U	U	U	U	U	U	U	U	U
Sodium	P 4450	89										
Strontium	F 2.0	0.40										
Titanium	P 4.0	0.80	1.9 U	5.0	1.6 U		2.2 U	4.0	2.1 U	2.3 U	2.4 U	
Zinc	P 2.0	0.40	2.0 U	9.0	1.8 U	14.0	2.2 U	7.0	4.0 U	2.5 U	1.7 U	9.0
Cyanide	A 10	1.0										

NOTES:  
 - Element was not detected.  
 U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 J Reliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 A - Auto Analyzer

300740

-page 2

ADDITIONAL PARAMETERS - TOTAL PHENOLS AND TOTAL ORGANIC CARBON ANALYSES												
Anson Environmental Sample Number	MU-10	Field Blank	MU-10	Field Blank	MU-4	Field Blank	MU-4	MU-6	MU-60	MU-65	Field Blank	
		(11-19)	(120-122')	(11-21)	(60-62')	(11-24)	(75-77')	(77-79')	(60-62')	(74-76')	(11-27)	
Seco Sample Number	910649-	01	02	03	04	05	06	08	11	09	10	12
Percent Solids	87.1%	-	88.7%	-	77.6%	-	88.6%	85.8%	88.7%	88%	-	-
Units	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
PARAMETERS												
Total Phenols											NA	NA
Total Organic Carbon	NA	NA	NA	NA	NA	NA			NA	NA		

- NOTES:
- Element was not detected.
  - U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
  - R Unreliable result - Analyte may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - UJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
  - NA Not analyzed.

Soil Samples from Installation of Monitoring Wells  
5D and 7D

Soil Samples from Drywell #2  
(15-17') and (25-27')

300742

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Amoco Environmental Sample Number	0402	0402	Field Blank	04-50	Field Blank	04-50	Trip Blank	04-50	Field Blank	Trip Blank	04-70	04-70	04-70	04-70	04-70	
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	00-7	10-1	10-2	10-3	59-1	59-3	59-4	59-5	
Remarks			Field Blank		Field Blank		Trip Blank		Field Blank	Trip Blank		Field Blank of 3/19/92	Trip Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L
Quantitation Limit																
Chloroethane	10			0		0	0	0								
Bromoethane	10															
Vinyl Chloride	10															
Chloroethane	10															
Methylene Chloride	5	3850 0	1200 0	7	5 0	7	9 0	7	33 0	0	7	10 0	5	5	11 0	5
Acetone	10	7700 0	1400 0		10 0		39 0	34	110 0	20	36	26 0	160	89	45 0	
Carbon Dioxide	5															
1,1-Dichloroethane	5															
1,1-Dichloroethane	5															
Total 1,2-Dichloroethane	5															
Chloroform	5															
1,2-Dichloroethane	5															
2-Butanone	10											37			32	
1,1,1-Trichloroethane	5															
Carbon Tetrachloride	5															
Vinyl Acetate	10											0	0		0	
Bromodichloroethane	5															
1,1,2,2-Tetrachloroethane	5															
1,2-Dichloropropane	5															
trans-1,3-Dichloropropane	5															
Trichloroethane	5															
Dibromochloroethane	5															
1,1,2-Trichloroethane	5															
Benzene	5															

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS															-page 2
Ames Environmental Sample Number	002 15-17'	002 25-27'	Field Blank (3/9/92)	00-0	Field Blank (3/10/92)	00-50 60-62'	Trip Blank (3/10/92)	00-50 115-117'	Field Blank (3/12/92)	Trip Blank (3/12/92)	00-70 (56-50')	FB (3/19/92)	TB (3/19/92)	00-70 (114-116')	FB (3/20/92)
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	00-7	10-1	10-2	10-3	59-1	59-2	59-4	59-5
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L
Remarks			Field Blank		Field Blank		Trip Blank		Field Blank	Trip Blank		Field Blank of 3/19/92	Trip Blank of 3/19/92		Field Blank of 3/20/92
Quantitation Limit (ug)															
cis-1,3-Dichloropropane	5														
transform	5														
2-Hexanone	10														
4-Methyl-2-Pentanone	10														
Tetrachloroethene	5														
Toluene	5	2300 J													
Chlorobenzene	5														
Ethylbenzene	5	4000													
Styrene	5														
Total Xylenes	5	82,000													
Quantitation Limit Multiplier	770	130	1.0	1.1	1.0	1.2	1.0	1.3	1.0	1.0	1.2	1.0	1.0	1.2	1.0
Date of Sample Collection	3/9/92	3/9/92	3/9/92	3/10/92	3/10/92	3/10/92	3/10/92	3/12/92	3/12/92	3/12/92	3/19/92	3/19/92	3/19/92	3/20/92	3/20/92
Date Sample Received by Laboratory	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/16/92	3/16/92	3/16/92	3/21/92	3/21/92	3/21/92	3/21/92	3/21/92
Date of Sample Analysis	3/19/92	3/10/92	3/19/92	3/10/92	3/19/92	3/10/92	3/19/92	3/19/92	3/19/92	3/19/92	3/27/92	3/27/92	3/27/92	3/27/92	3/27/92
Instrument Used for Analysis	05-5995A	5995A	5995A	5995C	5995A	5995C	5995A	5995C	5995A	5995A	5995C	5995B	5995B	5995C	5995B

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- U Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300744

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS												-page 3	
Ascon Environmental Sample Number	002 15-17'	002 25-27'	Field Blank (3/9/92)	00-50 5-7'	Field Blank (3/10/92)	00-50 60-62'	00-50 115-117'	Field Blank (3/12/92)	00-70 (56-50')	00-70 FB (3/19/92)	00-70 (114-116')	00-70 FB (3/20/92)	
Laboratory Sample Number	12931-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L
SERIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)											
Phenol	10	330	0.3	0.3	0.3								
1,2-Dichloroethane	10	330	0.3	0.3	0.3								
2-Chlorophenol	10	330	0.3	0.3	0.3								
1,3-Dichlorobenzene	10	330	0.3	0.3	0.3								
1,4-Dichlorobenzene	10	330	0.3	0.3	0.3								
Benzyl Alcohol	10	330	0.3	0.3	0.3								
1,2-Dichlorobenzene	10	330	0.3	0.3	0.3								
2-Nitrophenol	10	330	0.3	0.3	0.3								
bis(2-Chloroisopropyl)ether	10	330	0.3	0.3	0.3								
4-Nitrophenol	10	330	0.3	0.3	0.3								
N-Nitroso-di-n-Propylamine	10	330	0.3	0.3	0.3					0.3			
Hexachloroethane	10	330	0.3	0.3	0.3								
Nitrobenzene	10	330	0.3	0.3	0.3								
Isophorone	10	330	0.3	0.3	0.3								
2-Nitrophenol	10	330	0.3	0.3	0.3								
2,4-Dinitrophenol	10	330	0.3	0.3	0.3								
Benzoic Acid	50	1650	0.3	0.3	0.3								
bis(2-Chloroethoxy)ethane	10	330	0.3	0.3	0.3								
2,4-Dichlorophenol	10	330	0.3	0.3	0.3								
1,2,4-Trichlorobenzene	10	330	0.3	0.3	0.3								
naphthalene	10	330	290 J	0.3	0.3								
4-Chloroaniline	10	330	0.3	0.3	0.3	70 J							
Hexachlorocyclopentadiene	10	330	0.3	0.3	0.3								
4-Chloro-3-Nitrophenol	10	330	0.3	570 J	0.3								
2-Nitrofluoranthene	10	330	150 J	0.3	0.3								

300745



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number		MM2 15-17'	MM2 25-27'	Field Blank (3/9/92)	MM-50 5-7'	Field Blank (3/10/92)	MM-50 60-62'	MM-50 115-117'	Field Blank (3/12/92)	MM-70 (56-58')	MM-70 PB (3/19/92)	MM-70 (114-116')	MM-70 PB (3/20/92)		
Laboratory Sample Number		I2031-		00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks				Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92		Field Blank of 3/20/92
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L	ug/Kg	ug/L
SERIALLY COMPARED		Quantitation Limit (Aq)	Quantitation Limit (Sol)												
Hexachlorocyclopentadiene	10	330		ND	ND	ND		ND	ND	ND					
1,4-Dichlorobenzene	10	330		ND	ND	ND									
2,4,5-Trichlorophenol	10	330		ND	ND	ND									
2-Chloronaphthalene	10	330		ND	ND	ND									
2-Nitroaniline	50	1650		ND	ND	ND									
Dimethylphthalate	10	330		ND	ND	ND									
Acenaphthylene	10	330		ND	ND	ND									
3-Nitroaniline	50	1650		ND	ND	ND									
Acenaphthene	10	330		ND	ND	ND									
2,4-Dinitrophenol	10	330		ND	ND	ND	ND								
4-Nitrophenol	50	1650		ND	ND	ND									
Thiobenzofuran	10	330		ND	ND	ND									
2,4-Dinitrotoluene	10	330		ND	ND	ND									
2,6-Dinitrotoluene	10	330		ND	ND	ND									
Diethylphthalate	10	330		ND	ND	ND									
4-Chlorophenylphenylether	10	330		ND	ND	ND									
Fluorene	10	330		ND	ND	ND									
4-Nitroaniline	50	1650		ND	ND	ND									
4,6-Dinitro-2-Nitrophenol	50	1650		ND	ND	ND	ND								
N-Nitrosodiphenylamine	10	330		ND	ND	ND									
4-Bromophenylphenylether	10	330		ND	ND	ND									
Hexachlorobenzene	10	330		ND	ND	ND									
Pentachlorophenol	50	1650		ND	ND	ND									
Phenanthrene	10	330	50 J	ND	ND	ND									

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

-page 5

Amoco Environmental Sample Number	MW-2	MW-2	Field Blank	MW-50	Field Blank	MW-50	MW-50	Field Blank	MW-70	MW-70	MW-70	MW-70	
	15-17'	25-27'	(3/9/92)	5-7'	(3/10/92)	60-62'	115-117'	(3/12/92)	(56-58')	FB (3/19/92)	(114-116')	FB (3/20/92)	
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/kg	ug/kg	ug/l	ug/kg	ug/l	ug/kg	ug/kg	ug/l	ug/kg	ug/l	ug/kg	ug/l
SEMI-VOLATILE COMPOUNDS	Quantitation limit (ug)	Quantitation limit (ug)											
Anthracene	10	330	0.3	0.3	0.3								
01-n-Butylphthalate	10	330	100 J	0.3	0.3								
Fluoranthene	10	330	69 J	0.3	0.3								
Pyrene	10	330	66 J	0.3	0.3	0.3							
Butylbenzylphthalate	10	330	410 J	0.3	0.3	0.3							
3,3'-Dichlorobenzidine	20	660	0.3	0.3	0.3	0.3							
Benzo(a)anthracene	10	330	0.3	0.3	0.3	0.3							
bis(2-Ethylhexyl)phthalate	10	330	2700 B	390 B	10 J	350 B	42 J	400 B	420 B	1 J	41 J		
Chrysene	10	330	0.3	0.3	0.3	0.3							
01-n-Octylphthalate	10	330	0.3	0.3	0.3								
Benzo(b)fluoranthene	10	330	0.3	0.3	0.3								
Benzo(k)fluoranthene	10	330	0.3	0.3	0.3								
Benzo(a)pyrene	10	330	0.3	0.3	0.3								
Indeno(1,2,3-cd)pyrene	10	330	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Dibenz(a,h)anthracene	10	330	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Benzo(g,h,i)perylene	10	330	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Quantitation limit Multiplier		1.24	1.06	1.00	1.06	1.00	1.21	1.27	1.00	1.10	1.00	1.10	1.00
Date of Sample Collection		3/9/92	3/9/92	3/9/92	3/10/92	3/10/92	3/10/92	3/12/92	3/12/92	3/19/92	3/19/92	3/20/92	3/20/92
Date Sample Received by Laboratory		3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/16/92	3/16/92	3/21/92	3/21/92	3/21/92	3/21/92
Date Sample Extracted		3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/23/92	3/23/92	3/23/92	3/23/92	3/23/92
Date of Sample Analysis		3/19/92	3/19/92	3/10/92	3/10/92	3/10/92	3/10/92	3/10/92	3/20/92	3/21/92	3/21/92	3/21/92	3/21/92
Instrument Used for Analysis	GC/MS-	59950	59950	59950	59950	59950	59950	59950	59950	59950	59950	59950	59950

300747

TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Necon Environmental Sample Number	0402	0402	Field Blank	MU-50	Field Blank	MU-50	Trip Blank	MU-50	Field Blank	Trip Blank	MU-70	MU-70	MU-70	MU-70	MU-70	
Laboratory Sample Number	12031-	15-17'	25-27'	(3/9/92)	5-7'	(3/10/92)	60-62'	(3/10/92)	115-117'	(3/12/92)	(3/12/92)	(56-58')	FB (3/19/92)	TB (3/19/92)	(114-116')	FB (3/20/92)
	00-1	00-2	00-3	00-4	00-5	00-6	00-7	10-1	10-2	10-3	59-1	59-3	59-4	59-5	59-6	
Remarks			Field Blank		Field Blank				Field Blank	Trip Blank		Field Blank	Trip Blank		Field Blank	
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L	ug/L	ug/kg	ug/L	ug/L	ug/L	ug/kg	ug/L
<b>COMPOUNDS</b>																
<b>VOLATILE COMPONENTS</b>																
Alkane	6200 B	660 B														
1,1-Dimethyl cyclohexane	15,000 J															
Dimethyl cyclohexane Isomer (Number of Peaks)	17,200 (2) J															
Unknown (Number of Peaks)	21,600 (3) J												6 J			
2-Hethyl heptane	13,000 J															
C9 Unknown	7000 J															
Octane	40,000 J															
Propyl benzene	32,000 J															
Unknown Aromatic (Number of Peaks)	330,000 (2) J															
Carbon Dioxide (Number of Peaks)				20 (3) J				20 J			7 J					
Trimethyl Silane							10 J									
<b>SEMIVOLATILE COMPONENTS</b>																
Unknown Alde Condensate	1900 B	9600 B		9500 B		7500 B		8300 B								
Unknown Alkane (Number of Peaks)	39,000 (11) J	2220 (8) J		110 J												
Alkylbenzene (Number of Peaks)	36,200 (7) J															
Phenol, 2-6-bis(1,1-dimethylethyl)-4-methyl	2200 J															
Phenol, 4-tetramethyl butyl (Number of Peaks)	3200 (2) J	1310 (4) J														
Phenol, 4-nonyl	1300 J	320 J														
Alkyl Cyclohexane	2000 J															
Necon Alkyl Propanol	1000 J															
Unknown (Number of Peaks)		1490 (5) J		9720 (10) J		870 (3) J										
Molecular Sulfur				200 J												
Cholesterol				7000 J												

300748

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

Anson Environmental Sample Number	MW2 15-17'	MW2 25-27'	Field Blank (3/9/92)	MW-50 5-7'	Field Blank (3/10/92)	MW-50 60-62'	MW-50 115-117'	Field Blank (3/12/92)	MW-70 (56-58')	MW-70 FW (3/19/92)	MW-70 (114-116')	MW-70 FW (3/20/92)	
Laboratory Sample Number	12931-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5	59-6
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92	
Units		ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/L
Pesticides	Quantitation Limit (ug)	Quantitation Limit (ug)											
alpha-BHC	0.05	0	0.3	1.3 J	0.3								
beta-BHC	0.05	0	0.3	0.3	0.3								
delta-BHC	0.05	0	0.3	2.0 J	0.3								
gamma-BHC (lindane)	0.05	0	0.3	0.3	0.3								
Heptachlor	0.05	0	0.3	0.3	0.3							0.20 J	
Aldrin	0.05	0	0.3	0.3	0.3								
Heptachlor Epoxide	0.05	0	0.3	0.3	0.3								
Endosulfan I	0.05	0	0.3	0.3	0.3								
Dieldrin	0.10	16	0.3	0.3	0.3								
1,4'-DDE	0.10	16	0.3	0.3	0.3								
Endrin	0.10	16	0.3	0.3	0.3					0.3			
Endosulfan II	0.10	16	0.3	1.1 J	0.3								
1,4'-DDD	0.10	16	0.3	0.3	0.3								
Endosulfan Sulfate	0.10	16	0.3	0.3	0.3								
1,4'-DDT	0.10	16	0.3	0.3	0.3	0.3	0.3	0.3					
Methoxychlor	0.50	0	0.3	0.3	0.3								
Endrin Ketone	0.10	16	0.3	0.3	0.3								
alpha-Chlordane	0.50	00	0.3	0.3	0.3								
gamma-Chlordane	0.50	00	0.3	0.3	0.3								
Toxaphene	1.0	160	0.3	0.3	0.3								

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 8

Ascon Environmental Sample Number	00-1	00-2	Field Blank (3/9/92)	00-4	Field Blank (3/10/92)	00-6	00-8	Field Blank (3/12/92)	00-10	00-12	00-14	00-16
Laboratory Sample Number	12031-	00-1	00-2	00-3	00-4	00-5	00-6	10-1	10-2	59-1	59-3	59-5
Remarks			Field Blank		Field Blank			Field Blank		Field Blank of 3/19/92		Field Blank of 3/20/92
Units		ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	ug/L	ug/kg
PCBs		Quantitation Limit (Aq)	Quantitation Limit (Sol)									
Aroclor-1016	0.5	00	0.3	0.3	0.3							
Aroclor-1221	0.5	00	0.3	0.3	0.3							
Aroclor-1232	0.5	00	0.3	0.3	0.3							
Aroclor-1242	0.5	00	0.3	0.3	0.3							
Aroclor-1248	0.5	00	0.3	0.3	0.3							
Aroclor-1254	1.0	160	230 J	0.3	0.3							
Aroclor-1260	1.0	160	0.3	0.3	0.3							
Quantitation Limit Multiplier		1.23	1.06	1.00	1.05	1.00	1.19	1.25	1.00	1.16	1.00	1.16
Date of Sample Collection		3/9/92	3/9/92	3/9/92	3/10/92	3/10/92	3/10/92	3/12/92	3/12/92	3/19/92	3/19/92	3/20/92
Date Sample Received by Laboratory		3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/13/92	3/16/92	3/16/92	3/21/92	3/21/92	3/21/92
Date Sample Extracted		3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/17/92	3/29/92	3/29/92	3/29/92
Date of Sample Analysis		3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/19/92	3/31/92	3/31/92	3/31/92

- NOTES:
- Compound was not detected.
  - 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
  - 0 Unreliable result - Compound may or may not be present in this sample.
  - J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
  - 0.3 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

**B. INORGANIC DATA**

300751

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY-WEIGHT BASIS -page 1

Aspen Environmental Sample Number	DU02 15-17'	DU02 25-27'	Field Blank (3/9/92)	Field Blank (3/10/92)	MA-50 5-7'	MA-50 60-62'	Field Blank (3/12/92)	MA-50 (115-117')	MA-70 (56-58')	MA-70 (114-116')	MA-70 FB (3/19/92)	MA-70 FB (3/20/92)			
Laboratory Sample Number	001	13-015	13-025	13-055	13-06	13-035	13-045	16-025	16-015	44-015	44-025	44-035	44-045		
% Solids	86.00	96.00	-	-	97.60	84.40	-	81.90	86.30	87.00	-	-			
Units	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/L			
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)		Field Blank	Field Blank		Field Blank				Field Blank	Field Blank			
Aluminum	P	04.0	16.0	3730 J	1350 J	124 J	111 J	2150 J	492 J	172 J	410 J	662 J	290 J	106 J	97.0 J
Antimony	P	49.0	9.0	9.6 J			55.0 J	10.6 R	11.0 R						
arsenic	F	2.0	0.40	0.07 J				0.55 J			1.1				
Berium	P	3.0	0.60	20.5 J				3.2 J			0.02				
Beryllium	P	1.0	0.20	0.36 R	0.30 R	3.0 J	3.0 J	0.30 R	0.43 R	2.0 J	0.70 R	0.41 R	0.40 R	2.0	2.0
Cadmium	P	4.0	0.00	2.0 J							0.02 J				
Calcium	P	36.0	7.2	11,000 J	137 R	192	101	355 R	63.0 R	1730 R	146 R	21.5 R	0.6 R	R	70.0 R
Chromium	P	6.0	1.2	392 J	32.9 J			4.0 J	3.7 J	9.0 J	4.2 R	23.2 J	3.0 R		
Cobalt	P	9.0	1.0	4.2 J											
Copper	P	3.0	0.60	36.9 J	0.0 R	9.0 J	0.0 J	5.7 R	2.0 R	13.0 J	2.3 R	3.9 R	1.2 R		6.0 J
Iron	P	37.0	7.4	12,000 J	1420 J	44.0 J	86.0 J	4230 J	1630 J	74.0 R	1330 R	6370 J	655 J		99.0 J
Lead	F	1.0	0.20	130 J	4.6 J			13.6 J	0.62 J	R	1.4 J	2.0 R	0.59 R	4.1 J	5.0 J
Magnesium	P	41.0	8.2	4050 R	233 R	72.0 R	R	420 R	39.6 R	505 R	31.9 R	15.0 R	0.2 R	R	0
Manganese	P	2.0	0.40	83.6 J	12.2 J			70 J	11.0 J	2.0 J	16.2 J	0.6 J	7.2 J		3.0 J
Mercury	CV	2.0	0.2	0.11 R	0.10 R	0.21 R	0.21 R	0.10 R	0.12 R	0	0	0	0	0	0
Nickel	P	10.0	2.0	7.6 R	2.3 R	10.0 J	12.0 J	2.0 R			2.1 R				
Potassium	P	290.0	58.0	204 R	201 R			217 R	102 R				73.5 R		
Selenium	F	3.0	0.60	R				R	R		0.76 J	0.08 R	R	R	R
Silver	P	3.0	0.60	R	0.57 R	5.0 J	5.0 J	0.57 R	0.65 R	4.0 J	R			9.0 J	9.0 J
Sodium	P	70.0	14.0	593 J	47.6			79.0 J	143 J	45.2 R	1540 J	39.9 R	201 J		
Thallium	F	1.0	0.20												
Vanadium	P	6.0	1.2	41.4 J	1.9 J			4.7 J	2.2 J		1.4 J	3.5 R			
Zinc	P	5.0	1.0	432 J	52.2 J			16.0 J	9.1 R	1.5 R	23.0 J	13.1 R	3.1 J	5.4 R	0.0 J
Cyanide	R	10.0	1.0	6.2 J	1.6 J										

NOTES:  
 - Element was not detected.  
 R This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 R3 This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 R - Auto Analyzer

INORGANIC ANALYSIS - ANALYTICAL RESULTS		ALL SOLIDS REPORTED ON A DRY-WEIGHT BASIS												-page 2
Ascon Environmental Sample Number	15-17'	25-27'	5-7'	60-62'	(3/9/92)	(3/10/92)	(115-117')	(3/12/92)	(56-58')	FB(3/19/92)	(114-116')	FB(3/20/92)		
Laboratory Sample Number	9201	13-01	13-02	13-03	13-04	13-05	13-06	16-01	16-02	44-01	44-03	44-02	44-04	
% Solids	96.00	96.00	97.63	94.43	-	-	81.90	81.90	-	86.30	-	-	-	
Units	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/L	mg/L	mg/L	mg/kg	mg/L	mg/kg	mg/L	
PARAMETER	Detection Limit (Aq)	Detection Limit (Sol)			Field Blank	Field Blank		Field Blank		Field Blank		Field Blank	Field Blank	
Total Phenols	0.1	3												
Date of Sample Collection	3/9/92	3/9/92	3/10/92	3/10/92	3/9/92	3/10/92	3/12/92	3/12/92	3/19/92	3/19/92	3/20/92	3/20/92	3/20/92	
Date of Sample Receipt	3/12/92	3/12/92	3/12/92	3/12/92	3/12/92	3/12/92	3/14/92	3/14/92	3/21/92	3/21/92	3/21/92	3/21/92	3/21/92	
Date of Sample Analysis	3/18/92	3/18/92	3/18/92	3/18/92	3/18/92	3/18/92	3/19/92	3/18/92	4/10/92	4/10/92	4/10/92	4/10/92	4/10/92	

NOTES:

- Element was not detected.
- B This analyte should be considered "not-detected" since it was detected in a blank at a similar level.
- C Unreliable result - Analyte may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- WJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.



Soil Samples from Indoor Borings #1 and #2

300754

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 1
Anson Environmental Sample Number	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank	
Laboratory Sample Number	10-12'	15-17'		10-12'	15-17'	5-7'			
1201031-	1	2	3	4	5	6	7	8	
Remarks			Field Blank				Field Blank	Trip Blank	
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	
VOLATILE COMPOUNDS	Quantitation Limit								
Chloroethane	10								
Bromoethane	10								
Vinyl Chloride	10								
Chloroethane	10								
Methylene Chloride	5	5 U	5 U	4	5 U	5 U	5 U	3	
Acetone	10	10 U	10 U	16	10 U	10 U	10 U	22	
Carbon Disulfide	5								
1,1-Dichloroethane	5								
1,1-Dichloroethane	5								
Total 1,2-Dichloroethane	5								
Chloroform	5		21				27		
1,2-Dichloroethane	5								
2-Butanone	10								
1,1,1-Trichloroethane	5								
Carbon Tetrachloride	5								
Vinyl Acetate	10								
Bromodichloroethane	5								
1,1,2,2-Tetrachloroethane	5								
1,2-Dichloropropane	5								
trans-1,3-Dichloropropane	5								
Trichloroethene	5								
Dibromochloroethane	5								
1,1,1-Trichloroethane	5								
Benzene	5								

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 M This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300755

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 2
Ascon Environmental Sample Number	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank	
Laboratory Sample Number	10-12'	15-17'		10-12'	15-17'	5-7'			
	1	2	3	4	5	6	7	8	
Remarks			Field Blank				Field Blank	Trip Blank	
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	
VOLATILE COMPONENTS	Quantitation Limit								
cis-1,3-Dichloropropene	5								
Bromoform	5								
Hexanone	10								
4-Methyl-2-Pentanone	10								
Tetrachloroethene	5								
Toluene	5								
Chlorobenzene	5								
Ethylbenzene	5								
Styrene	5								
Total Xylenes	5								
Quantitation Limit Multiplier	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	
Date of Sample Collection	1/4/91	1/4/91	1/4/91	1/5/91	1/5/91	1/5/91	1/5/91	1/5/91	
Date Sample Received by Laboratory	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	
Date of Sample Analysis	1/14/92	1/14/92	1/18/92	1/14/92	1/14/92	1/14/92	1/18/92	1/18/92	
Instrument Used for Analysis	GC/MS- 5995A	5995A	5995A	5995A	5995A	5995A	5995A	5995A	

NOTES:

- Compound was not detected.
- 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 1 Unreliable result - Compound may or may not be present in this sample.
- 2 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 3 This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 3

Ames Environmental Sample Number	ID01 10-12'	ID01 15-17'	Field Blank	ID02 10-12'	ID02 15-17'	ID02 5-7'	Field Blank	Trip Blank	
Laboratory Sample Number	1281031-	1	2	3	4	5	6	7	8
Remarks	Field Blank						Field Blank	Trip Blank	
Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L	ug/L	
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Phenol	10	330				NA		NA	
is(2-Chloroethyl)ether	10	330				NA		NA	
2-Chlorophenol	10	330				NA		NA	
1,3-Dichlorobenzene	10	330				NA		NA	
1,4-Dichlorobenzene	10	330				NA		NA	
Benzyl Alcohol	10	330				NA		NA	
1,2-Dichlorobenzene	10	330				NA		NA	
2-Nethylphenol	10	330				NA		NA	
bis(2-Chloroisopropyl)ether	10	330				NA		NA	
4-Nethylphenol	10	330				NA		NA	
0-Nitroso-d-n-Propylamine	10	330				NA		NA	
Hexachloroethane	10	330				NA		NA	
Nitrobenzene	10	330				NA		NA	
Isophorone	10	330				NA		NA	
2-Nitrophenol	10	330				NA		NA	
2,4-Dimethylphenol	10	330				NA		NA	
Benzoic Acid	50	1650				NA		NA	
bis(2-Chloroethoxy)methane	10	330				NA		NA	
2,4-Dichlorophenol	10	330				NA		NA	
1,2,4-Trichlorobenzene	10	330				NA		NA	
Naphthalene	10	330				NA		NA	
-Chloroaniline	10	330				NA		NA	
Hexachlorobutadiene	10	330				NA		NA	
0-Chloro-3-Nethylphenol	10	330				NA		NA	
2-Nethylnaphthalene	10	330				NA		NA	

NOTES:  
 - Compound was not detected.  
 # This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 # Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 KJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300757

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 4

Ames Environmental Sample Number	ID01 10-12'	ID01 15-17'	Field Blank	ID02 10-12'	ID02 15-17'	ID02 5-7'	Field Blank	Trip Blank
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7
Remarks			Field Blank				Field Blank	Trip Blank
Units		ug/Kg	ug/Kg	ug/l	ug/Kg	ug/Kg	ug/Kg	ug/l
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)						
1,4-Dichlorobenzene	10	330				NA		NA
1,2,4-Trichlorobenzene	10	330				NA		NA
2,4,5-Trichlorobenzene	50	1650				NA		NA
2-Chloronaphthalene	10	330				NA		NA
2-Nitroaniline	50	1650				NA		NA
Bis(2-ethylhexyl)phthalate	10	330				NA		NA
Acenaphthylene	10	330				NA		NA
3-Nitroaniline	50	1650				NA		NA
Acenaphthene	10	330				NA		NA
2,4-Dinitrophenol	50	1650				NA		NA
4-Nitrophenol	50	1650				NA		NA
Benzofuran	10	330				NA		NA
2,4-Dinitrotoluene	10	330				NA		NA
2,6-Dinitrotoluene	10	330				NA		NA
Bis(2-ethylhexyl)phthalate	10	330				NA		NA
4-Chlorophenylphenylether	10	330				NA		NA
Fluorene	10	330				NA		NA
4-Nitroaniline	50	1650				NA		NA
4,6-Dinitro-2-Naphthol	50	1650				NA		NA
4-Nitrodiphenylamine	10	330				NA		NA
4-Chlorophenylphenylether	10	330				NA		NA
Hexachlorobenzene	10	330				NA		NA
Pentachlorobenzene	50	1650				NA		NA
Phenanthrene	10	330				NA		NA

NOTES:  
 - Compound was not detected.  
 U This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 B Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300758

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 5

Ascon Environmental Sample Number	1001 10-12'	1001 15-17'	Field Blanks	1002 10-12'	1002 15-17'	1002 5-7'	Field Blanks	Trip Blank	
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L
SERIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
Anthracene	10	330					NA	NA	
-Nonylphthalate	10	330					NA	NA	
Fluoranthene	10	330					NA	NA	
Pyrene	10	330					NA	NA	
Diethylbenzylphthalate	10	330					NA	NA	
3,3'-Dichlorobenzidine	20	660					NA	NA	
Benzo(a)anthracene	10	330					NA	NA	
bis(2-Ethylhexyl)phthalate	10	330	130 J	210 J			NA	NA	
Chrysene	10	330					NA	NA	
Di-n-Octylphthalate	10	330					NA	NA	
Benzo(b)fluoranthene	10	330					NA	NA	
Benzo(k)fluoranthene	10	330					NA	NA	
Benzo(a)pyrene	10	330					NA	NA	
Indeno(1,2,3-cd)pyrene	10	330					NA	NA	
Dibenz(a,h)anthracene	10	330					NA	NA	
Benzo(g,h,i)perylene	10	330					NA	NA	
Quantitation Limit Multiple	1.00	1.03	1.00	1.03	1.03	NA	1.00	NA	
Date of Sample Collection	1/4/92	1/4/92	1/4/92	1/5/92	1/5/92	NA	1/5/92	NA	
Date Sample Received by Laboratory	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	NA	1/7/92	NA	
Date Sample Extracted	1/8/92	1/8/92	1/8/92	1/8/92	1/8/92	NA	1/8/92	NA	
Date of Sample Analysis	1/9/92	1/9/92	1/9/92	1/9/92	1/9/92	NA	1/9/92	NA	
Instrument Used for Analysis	GC/MS-	59950	59950	59950	59950	59950	NA	59950	NA

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- D Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- KJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300759

CLP - TENTATIVELY IDENTIFIED COMPOUNDS		ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS						-page 6	
Aspen Environmental Sample Number	1001 10-12'	1001 15-17'	Field Blank	1002 10-12'	1002 15-17'	1002 5-7'	Field Blank	Trip Blank	
Laboratory Sample Number	1	2	3	4	5	6	7	8	
Remarks				Field Blank			Field Blank	Field Blank	
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	
<b>COMPOUNDS</b>									
<b>VOLATILE COMPONENTS</b>									
Toluene	30 JH	60 JH		200 JH	100 JH	100 JH			
Unknown (Number of Peaks)						39(3) J			
Benzene						10 JH			
<b>SEMI-VOLATILE COMPONENTS</b>									
Aldol Condensation Product	24,000 B	13,000 B		13,000 B	13,000 B				
Unknown (Number of Peaks)	23,300(2) J	23,000 J		3600(10) J	1770(3) J				
2-Hydroxyethanol				6400 JH	2100 JH				

NOTES:

- Compound was not detected.
- B This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- HJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.
- H Presumptive evidence for the identification of this compound.

300760

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 7
Aason Environmental Sample Number	1001	1001	Field Blanks	1002	1002	1002	Field Blanks	Trip Blank	
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L
Pesticides	Quantitation Limit (Aq)	Quantitation Limit (Sol)							
alpha-BHC	0.05	0					NA	NA	
gamma-BHC	0.05	0					NA	NA	
delta-BHC	0.05	0					NA	NA	
gamma-BHC (Lindane)	0.05	0					NA	NA	
Heptachlor	0.05	0					NA	NA	
Aldrin	0.05	0					NA	NA	
Heptachlor Epoxide	0.05	0					NA	NA	
Endosulfan I	0.05	0					NA	NA	
Bifenthrin	0.10	16					NA	NA	
4,4'-DDE	0.10	16					NA	NA	
Endrin	0.10	16					NA	NA	
Endosulfan II	0.10	16					NA	NA	
4,4'-DDD	0.10	16					NA	NA	
Endosulfan Sulfate	0.10	16					NA	NA	
4,4'-DDT	0.10	16					NA	NA	
Methoxychlor	0.50	0					NA	NA	
Endrin Ketone	0.10	16					NA	NA	
alpha-Chlordane	0.50	00					NA	NA	
gamma-Chlordane	0.50	00					NA	NA	
Toxaphene	1.0	160					NA	NA	

NOTES:

- Compound was not detected.
- 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 0 Reliable result - Compound may or may not be present in this sample.
- 3 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 03 This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

300761



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS									-page 8
Anson Environmental Sample Number	1001 10-12'	1001 15-17'	Field Blanks	1002 10-12'	1002 15-17'	1002 5-7'	Field Blanks	Trip Blank	
Laboratory Sample Number	1201031-	1	2	3	4	5	6	7	8
Remarks			Field Blank				Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L
PCBs	Quantitation Limit (ug)	Quantitation Limit (Sol)							
Aroclor-1016	0.5	00					NA	NA	
Aroclor-1221	0.5	00					NA	NA	
Aroclor-1232	0.5	00					NA	NA	
Aroclor-1242	0.5	00					NA	NA	
Aroclor-1248	0.5	00					NA	NA	
Aroclor-1254	1.0	160					NA	NA	
Aroclor-1260	1.0	160					NA	NA	
Quantitation Limit Multiple	1.00	1.03	1.00	1.01	1.01	NA	1.00	NA	
Date of Sample Collection	1/4/92	1/4/92	1/4/92	1/5/92	1/5/92	NA	1/5/92	NA	
Date Sample Received by Laboratory	1/7/92	1/7/92	1/7/92	1/7/92	1/7/92	NA	1/7/92	NA	
Date Sample Extracted	1/8/92	1/8/92	1/8/92	1/8/92	1/8/92	NA	1/8/92	NA	
Date of Sample Analysis	1/15/92	1/15/92	1/15/92	1/15/92	1/15/92	NA	1/15/92	NA	

NOTES:

- Compound was not detected.
- 1 This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 2 Unreliable result - Compound may or may not be present in this sample.
- 3 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 4 This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.

**B. INORGANIC DATA**

300763

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS											-page 1			
Anson Environmental Sample Number	Catch Basin	015	025	035	045	055	065	Field Blanks (1/4/92)	Field Blanks (1/5/92)	1001 10-12'	1001 15-17'	1002 10-12'	1002 15-17'	
Laboratory Sample Number	00006-	015	025	035	045	055	065	115	125	075	005	095	105	
Percent Solids		92.14	95.98	84.74	87.06	89.24	76.74	0A	0A	99.04	97.44	98.44	97.24	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/L	ug/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)						Field Blank	Field Blank					
Aluminum	P	04	17	NA	NA	NA	NA	NA	NA	1610	1200	1600	704	
Iron	P	49	10	NA	NA	NA	NA	0A	0A					
Arsenic	F	2.0	0.40	NA	NA	NA	NA	0A	0A	1.5	1.9	1.0	0.09	
Barium	P	3.0	0.60	NA	NA	NA	NA	NA	NA	7.3 J	6.5 J	6.5 J	3.1	
Beryllium	P	1.0	0.20	NA	NA	NA	NA	0A	4.0	4.0	0.70 R	0.50 R	0.76 R	
Cadmium	P	4.0	0.80	NA	NA	NA	0A	NA	NA	1.2 J	0.83 J			
Calcium	P	36	7.2	NA	NA	NA	NA	NA	NA	911	160	134	34.1 R	
Chromium	P	6.0	1.2	NA	NA	NA	0A	NA	NA	11.6 J	4.5 R	5.3 R	2.9 R	
Cobalt	P	9.0	1.8	NA	NA	NA	NA	0A	0A		1.5			
Copper	P	3.0	0.6	NA	NA	NA	NA	NA	13.0	6.0	4.3 R	2.0 R	2.0 R	
Iron	P	37	7.4	NA	NA	NA	NA	NA	NA	220	5600	5300	4300	
Lead	F	1.0	0.20	NA	NA	NA	NA	0A	0A	2.0	1.2	2.3	1.3	
Magnesium	P	41	8.2	NA	NA	NA	NA	NA	NA	285	243	305	140	
Manganese	P	2.0	0.40	NA	NA	NA	NA	NA	NA	0.0	66.9	54.3	53.0	
Mercury	CV	0.20	0.10			0.30 J	0.26 J							
Nickel	P	10	2.0	NA	NA	NA	NA	NA	10.0	2.4 R	2.5 R	2.5 R		
Potassium	P	290	58	NA	NA	NA	NA	NA	NA	163	190	207	91.5	
Selenium	F	3.0	0.60	NA	NA	NA	NA	NA	0J	0J	0J	0J		
Silver	P	3.0	0.60	NA	NA	NA	NA	NA	9.0	0.90 R	0.50 R		0.50 R	
Sodium	P	70	14	NA	NA	NA	NA	NA	NA	04.0	174	164	132	
Strontium	F	1.0	0.20	NA	NA	NA	NA	NA	NA					
Titanium	P	6.0	1.2	NA	NA	NA	NA	NA	NA	8.0	3.3	3.4	2.4	
Zinc	P	5.0	1.0	NA	NA	NA	NA	NA	NA	7.6	6.5	0.7	6.3	
Cyanide	AS	10.0	0.50											

NOTES:  
 - Compound was not detected.  
 0 This compound should be considered "not-detected".  
 R Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 0J This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

ANALYTICAL METHOD:  
 P Inductively Coupled Plasma  
 F Furnace Atomic Absorption  
 CV Cold Vapor Atomic Absorption  
 AS Auto Analyzer

300764

INORGANIC ANALYSIS - ANALYTICAL RESULTS

Anson Environmental Sample Number	IB#1 10-12'	IB#1 15-17'	IB#2 10-12'	IB#2 15-17'	Field Blanks (1/4/92)	Field Blanks (1/5/92)
Laboratory Sample Number 920006-	07S	08S	09S	10S	11S	12S
Percent Solids	99.0%	97.4%	98.4%	97.2%	NA	NA
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L
INORGANIC ELEMENTS	Method Reporting Limit				Field Blank	Field Blank
Total Phenols	3					

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected".
- R Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

Soil Samples from Indoor Borings #5 and #6

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 1	
Ascon Environmental Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank		
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07		
Remarks					Field Blank	Field Blank	Trip Blank		
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/L	
VOLATILE COMPOUNDS	Quantitation	Quantitation							
	Limit (Aq)	Limit (Sol)							
Chloroethane	10	10							
Bromoethane	10	10							
Vinyl Chloride	10	10							
Chloroethane	10	10	ND	ND	ND	ND			
Ethylene Chloride	5	5	6 U	6 U	5 U	5 U	3 J	4 J	4 J
Acetone	10	10	110 U	110 U	19 U	12 U	9 J	30 J	34 J
Carbon Disulfide	5	5							
1,1-Dichloroethane	5	5							
1,1-Dichloroethane	5	5							
Total 1,2-Dichloroethane	5	5							
Chloroform	5	5					15	15	
1,2-Dichloroethane	5	5							
2-Butanone	10	10							
1,1,1-Trichloroethane	5	5							
Carbon Tetrachloride	5	5							
Vinyl Acetate	10	10							
Bromodichloroethane	5	5							
1,1,2,2-Tetrachloroethane	5	5							
1,2-Dichloropropane	5	5							
trans-1,3-Dichloropropane	5	5							
Trichloroethane	5	5							
Dibromochloroethane	5	5							
1,1,2-Trichloroethane	5	5							
Benzene	5	5							

NOTES:

- 1- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- U Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- ND This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

300767

VOLATILE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 2
Ascon Environmental Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/l	
VOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
cis-1,2-Dichloropropane	5	5						
Bromoform	5	5						
2-Hexanone	10	10						
4-Ethyl-2-Pentanone	10	10						
Tetrachloroethene	5	5						
Toluene	5	5						
Chlorobenzene	5	5						
Ethylbenzene	5	5						
Styrene	5	5						
Total Xylenes	5	5						
Quantitation Limit Multiplier	1.2	1.2	1.0	1.0	1.0	1.0	1.0	
Date of Sample Collection	12/0/91	12/0/91	12/7/91	12/7/91	12/7/91	12/0/91	NA	
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	
Date of Sample Analysis	12/17/91	12/17/91	12/17/91	12/17/91	12/10/91	12/10/91	12/10/91	
Instrument Used for Analysis	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	GC/MS-5995A	

NOTES:

- 1- Compound was not detected.
- 2- This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- 3- Unreliable result - Compound may or may not be present in this sample.
- 4- Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- 5- This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

TRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS

-page 3

Environmental Sample Number	ID 05 (15-17')	ID 05 (35-37')	ID 06 (30-32')	ID 06 (40-42')	Field Blanks	Field Blanks	Trip Blank
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07
Remarks					Field Blank	Field Blank	Trip Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (ug)					
Acetone	10	330					NA
Bis(2-Chloroethyl)ether	10	330					NA
Benzene	10	330					NA
1,3-Dichlorobenzene	10	330					NA
1,4-Dichlorobenzene	10	330					NA
Benzyl Alcohol	10	330					NA
1,2-Dichlorobenzene	10	330					NA
o-Dithiophene	10	330					NA
Bis(2-Chloroisopropyl)ether	10	330					NA
p-Dithiophene	10	330					NA
o-Dibromo-dl-n-Propylamine	10	330					NA
Hexachloroethane	10	330					NA
Indrobenzene	10	330					NA
Isophorone	10	330					NA
m-Dithiophene	10	330					NA
1,4-Dimethylphenol	10	330					NA
Benzoic Acid	50	1650					NA
Di(2-Chloroethoxy)methane	10	330					NA
m,p-Dichlorophenol	10	330					NA
1,2,4-Trichlorobenzene	10	330					NA
naphthalene	10	330					NA
Valine	10	330					NA
2,6-Dichlorobenzidine	10	330					NA
2-Chloro-3-Methylphenol	10	330					NA
2-Methylnaphthalene	10	330					NA

NOTES:  
 - Compound was not detected.  
 0 This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 1 Unreliable result - Compound may or may not be present in this sample.  
 2 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 3 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

300769



EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 4
Anson Environmental Sample Number		ID 05 (15-17')	ID 05 (35-37')	ID 06 (39-32')	ID 06 (40-42')	Field Blanks	Field Blanks	Trip Blank
Laboratory Sample Number		12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07
Units		mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L	NA
SEMI-VOLATILE COMPOUNDS	Quantitation Limit (ug)	Quantitation Limit (Sol)						
Hexachlorocyclopentadiene	10	330						NA
2,4,6-Trichlorophenol	10	330						NA
Trichlorophenol	50	1650						NA
2-Chloronaphthalene	10	330						NA
2-Nitroaniline	50	1650						NA
Dimethylphthalate	10	330						NA
Acenaphthylene	10	330						NA
3-Nitroaniline	50	1650						NA
Acenaphthene	10	330						NA
1-nitrophenol	50	1650						NA
4-nitrophenol	50	1650						NA
1-benzofuran	10	330						NA
2,4-dinitrotoluene	10	330						NA
2,6-dinitrotoluene	10	330						NA
Diethylphthalate	10	330						NA
4-Chlorophenylphenylether	10	330						NA
Fluorene	10	330						NA
4-Nitroaniline	50	1650						NA
4,6-Dinitro-2-Nitrophenol	50	1650						NA
3-Nitrodiphenylamine	10	330						NA
4-Bromophenylphenylether	10	330						NA
1-chlorobenzene	10	330						NA
1-chlorophenol	50	1650						NA
Phenanthrene	10	330						NA

NOTES:  
 1- Compound was not detected.  
 2- This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 3- Unreliable result - Compound may or may not be present in this sample.  
 4- Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 5- This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

300770

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS								-page 5
Aesom Environmental Sample Number	10 05 (15-17')	10 05 (25-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	NA
SEMIVOLATILE COMPOUNDS	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Anthracene	10	330					NA	
1-n-Butylphthalate	10	330					NA	
Fluoranthene	10	330					NA	
Pyrene	10	330					NA	
Butylbenzylphthalate	10	330					NA	
3,3'-Dichlorobenzidine	20	660					NA	
Benzo(a)anthracene	10	330					NA	
bis(2-Ethylhexyl)phthalate	10	330	130 J	400			NA	
Chrysene	10	330					NA	
Di-n-Octylphthalate	10	330					NA	
Benzo(b)fluoranthene	10	330					NA	
Benzo(k)fluoranthene	10	330					NA	
Benzo(e)pyrene	10	330					NA	
Indeno(1,2,3-cd)pyrene	10	330					NA	
Dibenz(a,h)anthracene	10	330					NA	
Benzo(g,h,i)perylene	10	330					NA	
Quantitation Limit Multiplier	1.10	1.10	1.03	1.03	1.00	1.00	NA	
Date of Sample Collection	12/0/91	12/0/91	12/7/91	12/7/91	12/7/91	12/0/91	NA	
Date Sample Received by Laboratory	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	NA	
Date Sample Extracted	12/11/91	12/11/91	12/11/91	12/11/91	12/10/91	12/10/91	NA	
Date of Sample Analysis	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	NA	
Instrument Used for Analysis	GC/MS-59950	GC/MS-59950	GC/MS-59950	GC/MS-59950	GC/MS-59950	GC/MS-59950	NA	

NOTES:

- Compound was not detected.
- U This compound should be considered "not-detected" since it was detected in a blank at a similar level.
- D Unreliable result - Compound may or may not be present in this sample.
- J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).
- UJ This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.
- NA Not analyzed.

300771

CLP - TENTATIVELY IDENTIFIED COMPOUNDS - ESTIMATED CONCENTRATIONS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS							-page 6
Anson Environmental Sample Number	ID 05 (25-27')	ID 05 (35-37')	ID 06 (30-32')	ID 06 (40-42')	Field Blanks	Field Blanks	Trip Blank
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07
Remarks					Field Blank	Field Blank	Trip Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
COMPOUNDS							
VOLATILE COMPONENTS	-	-	-	-	-	-	-
SEMI-VOLATILE COMPONENTS					-	-	NA
Laboratory Artifacts (Aldehydes, etc.)	4600 R	5000 R	4100 R	4500 R			
Unknown		420 J					

NOTES:  
 - Compound was not detected.  
 R This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 J Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 J This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 7

Ascon Environmental Sample Number Laboratory Sample Number	10 05 (15-17')	10 05 (35-37')	10 06 (30-32')	10 06 (40-42')	Field Blanks 12060-03	Field Blanks 12060-06	Trip Blank 12060-07
Remarks					Field Blank	Field Blank	Trip Blank
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	NA
Pesticides	Quantitation Limit (ug)	Quantitation Limit (ug)					
alpha-BHC	0.05	0					NA
beta-BHC	0.05	0					NA
delta-BHC	0.05	0					NA
gamma-BHC (Lindane)	0.05	0					NA
Heptachlor	0.05	0					NA
Aldrin	0.05	0					NA
Heptachlor Epoxide	0.05	0					NA
Endosulfan I	0.05	0					NA
Bifludin	0.10	16					NA
4,4'-DDE	0.10	16					NA
Endrin	0.10	16					NA
Endosulfan II	0.10	16					NA
4,4'-DDD	0.10	16					NA
Endosulfan Sulfate	0.10	16					NA
4,4'-DDT	0.10	16					NA
Methoxychlor	0.50	6					NA
Endrin Estane	0.10	16					NA
alpha-Chlordane	0.50	00					NA
gamma-Chlordane	0.50	00					NA
Toxaphene	1.0	160					NA

NOTES:  
 - Compound was not detected.  
 U This compound should be considered 'net-detected' since it was detected in a blank at a similar level.  
 X Unreliable result - Compound may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 M This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

EXTRACTABLE ORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS -page 8

Ansoo Environmental Sample Number	10 85 (15-17')	10 85 (35-37')	10 86 (30-32')	10 86 (40-42')	Field Blanks	Field Blanks	Trip Blank	
Laboratory Sample Number	12060-04	12060-05	12060-01	12060-02	12060-03	12060-06	12060-07	
Remarks					Field Blank	Field Blank	Trip Blank	
Units		ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	NA	
PCBs	Quantitation Limit (Aq)	Quantitation Limit (Sol)						
Aroclor-1016	0.5	80					NA	
Aroclor-1221	0.5	80					NA	
Aroclor-1232	0.5	80					NA	
Aroclor-1242	0.5	80					NA	
Aroclor-1248	0.5	80					NA	
Aroclor-1254	1.0	160					NA	
Aroclor-1260	1.0	160					NA	
Quantitation Limit Multiplier		1.16	1.16	1.01	1.03	1.02	1.02	NA
Date of Sample Collection		12/8/91	12/8/91	12/7/91	12/7/91	12/7/91	12/8/91	NA
Date Sample Received by Laboratory		12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	NA
Date Sample Extracted		12/11/91	12/11/91	12/11/91	12/10/91	12/10/91	12/10/91	NA
Date of Sample Analysis		12/14/91	12/15/91	12/13/91	12/13/91	12/13/91	12/13/91	NA

NOTES:  
 - Compound was not detected.  
 10 This compound should be considered "not-detected" since it was detected in a blank at a similar level.  
 11 Unreliable result - Compound may or may not be present in this sample.  
 12 Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 13 This compound was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.  
 NA Not analyzed.

**B. INORGANIC DATA**

300775

INORGANIC ANALYSIS - ANALYTICAL RESULTS - ALL SOLIDS REPORTED ON A DRY WEIGHT BASIS							-page 1		
Anson Environmental Sample Number		10 05 15-17'	10 05 35-37'	10 06 30-32'	10 06 40-42'	Field Blanks	Field Blank		
Laboratory Sample Number		00690-055	00690-065	00690-075	00690-085	00690-095	00690-105		
Percent Solids		97.4%	97.4%	96.6%	96.6%	0.0%	0.0%		
Units		mg/kg	mg/kg	mg/kg	mg/kg	ug/l	ug/l		
INORGANIC ELEMENTS	Detection Limit (Aq)	Detection Limit (Sol)				Field Blank	Field Blank		
Aluminum	P	72.0	14.4	803	1360	1110	1100		
Antimony	P	45.0	9.0						
Arsenic	F	2.0	0.4		0.57	0.75	1.7		
Barium	P	3.0	0.6	2.6	4.4	3.7	1.0		
Beryllium	P	1.0	0.2	0.56 U	0.77 U	0.51 U	0.60 U	3.0	3.0
Cadmium	P	4.0	0.8	1.1 U	0.96 U	0.60 U	1.4 U		5.0
Calcium	P	30.0	7.6	69.0 U	20.2 U	26.5 U	19.7 U	90.0	70.0
Chromium	P	7.0	1.4	4.6	3.0	2.4	3.0		
Cobalt	P	10.0	2.0						
Copper	P	2.0	0.4	7.4 U	5.0 U	3.7 U	5.4 U	14.0	11.0
Iron	P	9.0	1.8	3910	3490	2240	3300	201	77.0
Lead	F	1.0	0.2	0.74	1.2	0.85	1.0		
Magnesium	P	40.0	8.0	192	140	112	110		110
Manganese	P	1.0	0.2	35.0	30.2	64.3	47.4	1.0	
Mercury	CV	0.2	0.1						
Nickel	P	12.0	2.4		2.3 U				14.0
Potassium	P	2140	420						
Selenium	F	4.0	0.8	0.3	0.3	0.3	0.3		
Silver	P	6.0	1.2	0.3	0.3	0.3	0.3	0.3	0.3
Sodium	P	4450	890						
Thallium	F	2.0	0.4						
Vanadium	P	4.0	0.8	2.6 U	2.7 U	3.1 U	2.6 U		
Zinc	P	2.0	0.4	5.4 U	4.6 U	4.2 U	0.4 U	6.0 U	6.0 U
Cyanide	A	10	1.0						

NOTES:  
 - Element was not detected.  
 U This analyte should be considered "not-detected" since it was detected in a blank at a similar level.  
 R Unreliable result - Analyte may or may not be present in this sample.  
 J Quantitation is approximate due to limitations identified during the quality assurance review (data validation).  
 BJ This analyte was not detected, but the quantitation limit is probably higher due to a low bias identified during the quality assurance review.

ANALYTICAL METHOD:  
 P - Inductively Coupled Plasma  
 F - Graphite Furnace Atomic Absorption  
 CV - Cold Vapor Atomic Absorption  
 A - Auto Analyzer  
 BS - Distillation/Spectrophotometric

300776