EPA Region 5 Records Ctr.
282633

L1358070001 – Montgomery
Eagle Zinc Company
ILD 980606941
SF/HRS

CERCLA

Analytical Results

Illinois Environmental
Protection Agency

APPENDIX E

ANALYTICAL RESULTS (Volume 2)

EAGLE ZINC COMPANY

Eagle Zinc Company.
ILD 980606941

Sample Summary
(Soil)

Sampling Location	X104	X105	X106	X107	X108	X109	X110	X111	X112	X113	X114	RAL's
Date Sampled :	4/27/05	4/27/05	4/27/05	4/27/05	4/27/05	4/27/05	4/27/05	4/27/05	4/27/05	4/26/05	4/27/05	
INORGANICS												
ALUMINUM	8110	4770	8230	5210	10400	6850	6040	5890	9170	7070	7330	310
ANTIMONY	7.1 UJ	6.8 UJ	8.7 UJ	7.7 UJ	7.5 UJ	7.6 UJ	7 UJ	8.2 UJ	7.5 UJ	22.2	7.2 UJ	--
ARSENIC	9.7 J	9.2 J	9.1 J	8.8 J	6.8 J	5.5 J	9.1 J	6.8 J	16.3 J	14.9	7.6 J	200
BARIUM	188	110	119	105	178	98.2	122	119	354	191	235	--
BERYLLIUM	0.52 J	0.55 J	0.49 J	0.48 J	0.62	0.43 J	0.67	0.5 J	2.7	0.76	0.66	40
CADMIUM	9.7	29.2	1.5	5.4	1.7	1.5	2.8	3.5	1.6	6	6.5	25
CALCIUM	50500	2500	6320	2060	7200	1620	62900	3570	13000	14400 J-	12300	--
CHROMIUM	11.3	7.4	11.6	10.3	14.6	10.5	12.4	9.1	12.5	31.9	10	400
COBALT	11.5	7.3	6.5 J	10.1	5 J	6.5	8.1	5.7 J	7.1	136	9	--
COPPER	86.5	241	19.1	178	18.6	15.3	146	26.3	124	1710	139	5000
IRON	16600	19100	14700	15900	13200	10300	25800	11700	50500	107000	15600	--
LEAD	46.4	408	53	155	50	45.8	267	164	417	401	287	1,000
MAGNESIUM	1990	1030	1980	908	1600	1270	2440	1360	2480	3210 J-	1600	--
MANGANESE	1380	408	798	958	229	679	728	456	680	809	500	--
MERCURY	0.087 J	0.093 J	0.12 J	0.13 U	0.11 J	0.064 J	0.078 J	0.085 J	0.13 U	0.11 J	0.12 U	1600
NICKEL	12.2	12.3	11.4	12.4	8.6	10.4	15.5	9.7	18.4	439	14.8	1600
POTASSIUM	1080 J	390 J	880 J	479 J	1210 J	787 J	740 J	908 J	1340 J	1250 J	769 J	--
SELENIUM	1.1 J	1.5 J	1 J	1.2 J	0.93 J	0.72 J	1.4 J	0.76 J	1.7 J	9.5 J-	0.59 J	2300
SILVER	0.3 J	2.6	1.5 U	0.5 J	1.2 U	0.26 J	0.46 J	1.4 U	1.1 J	4.9	1.6	2300
SODIUM	95.7 J	185 J	75 J	84.1 J	102 J	59.4 J	328 J	72.4 J	1800	7320 J+	231 J	--
THALLIUM	2.9 U	2.8 U	3.6 U	3.2 U	3.1 U	3.2 U	2.9 U	3.4 U	3.1 U	3.2 R	3 U	55
VANADIUM	26.2	20.1	24	23.1	26.2	17.5	23.1	16.9	45.1	29.9	22	--
ZINC	8870	19200	872	7610	463	1300	9440	1080	4080	70600	18200	160000
CYANIDE	0.29 UJ	0.07 UJ	0.34 UJ	0.2 UJ	0.15 UJ	0.15 UJ	0.21 UJ	0.23 UJ	0.15 UJ	0.11 J	0.15 UJ	350
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

Eagle Zinc Company
ILD 980606941

Sample Summary
(Soil)

Sampling Location	X115	X116	X118	X119	X120	X121	X122	X123	X124	X125	X126	RAL's
Date Sampled :	4/27/05	4/27/05	4/27/05 (Background)	4/28/05	4/28/05	4/28/05	4/27/05	4/27/05	4/27/05	4/27/05	4/28/05	
INORGANICS:												
ALUMINUM	5200	7510	6720	4870	10500	8800	7010	5010	6280	6780	6930	310
ANTIMONY	6.8 UJ	1.4 J	7.5 UJ	9.8 U	7.5 U	7.4 U	1.2 J	11.2 J	8.6 J	1.9 J	8.7 U	--
ARSENIC	11.6 J	8.8 J	8.9 J	5.5 J	11 J	9.8 J	9 J	15.5 J	20.6 J	22.1 J	8 J	200
BARIUM	130	189	113	193	204	135	252	137	259	358	130	--
BERYLLIUM	0.61	0.78	0.51 J	0.65 J	0.6 J	0.51 J	0.64 J	0.39 J	0.89	0.98	0.52 J	40
CADMIUM	34.6	0.53 J	0.97	9.1	1.3	0.45 J	2.1	19.2	12.8	6.7	1.4	25
CALCIUM	2270	30300	9720	6190	4500	52600	5770	6800	5980	13900	5230	--
CHROMIUM	8.7	11.8	11.6	9.1	14.9	12.6	13.1	25.5	15.4	15.8	10.5	400
COBALT	8	9.2	10.6	10.7	8.8	8.4	12	7.7	10.9	7.6	4.4 J	--
COPPER	219	13.3	10.8	57.8	17.3	15	21	163	375	62.8	16.9	5000
IRON	22800	14000	14000	10300	19100	16300	13600	64800	38500	20300	11900	--
LEAD	469	27.1	34.4	273 J	48.8 J	37.9 J	213 J	534	2450	218	79.2 J	1,000
MAGNESIUM	1050	1770	1460	926	3140	2230	1360	921	1520	2470	1320	--
MANGANESE	396	1500	1380	353 J	667 J	781 J	1260 J	1050	437	781	427 J	--
MERCURY	0.072 J	0.071 J	0.06 J	0.51 J	0.12 J	0.11 J	0.076 J	0.66	0.13	0.2	0.065 UJ	1600
NICKEL	13.1	15.1	10.1	19.6	15	12.6	12.3	31	24.3	13.1	9.1	1600
POTASSIUM	403 J	785 J	557 J	464 UJ	1080 J	1080 J	942 J	695 J	873 J	1050 J	537 UJ	--
SELENIUM	1.7 J	0.94 J	0.79 J	2 J	0.98 J	0.96 J	1.5 J	1.7 J	1.8 J	1.3 J	1.7 J	2300
SILVER	2.3	0.71 J	0.42 J	0.82 UJ	0.21 UJ	1.2 U	0.56 UJ	1.1 J	1.2	0.82 J	0.34 UJ	2300
SODIUM	144 J	77.2 J	76.4 J	92.3 J	109 J	130 J	106 J	105 J	231 J	257 J	103 J	--
THALLIUM	2.8 U	3.3 U	3.1 U	4.1 U	3.1 U	3.1 U	3.4 U	2.6 J	3 U	3.3 U	3.6 U	55
VANADIUM	25.5	24	25.7	15.9	30.9	30.9	23.7	21.9	31.2	28.5	23.3	--
ZINC	22400	397	595	6030	461	264	1260	2220	13200	2830	906	160000
CYANIDE	0.04 UJ	3.3 U	0.21 UJ	0.25 J	0.19 J	0.21 J	1.4 J	0.48 UJ	0.25 UJ	0.52 UJ	0.03 UJ	350
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

Eagle Zinc Company
ILD 980606941

Sample Summary
(Sediment)

Sampling Location	X201	X202	X203	X204	X205	X206	X207	X208	X209	X210	Ontario Sediment Benchmark	USEPA Ecotox Thresholds
Date Sampled	4/27/05 (Background)	4/27/05	4/26/05	4/26/05	4/26/05	4/26/05	4/26/05	4/26/05	4/26/05	4/26/05		
SEMIVOLATILES:												
Benzo(b)fluoranthene	--	--	--	--	--	--	59 J	--	--	--	--	--
Benzo(g,h,I)perylene	--	--	--	--	--	--	48 J	--	83 J	--	--	--
Fluoranthene	--	--	--	62 J	--	--	--		--	--	--	2900
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
INORGANICS.												
ALUMINUM	9140	4090	7720	8130	8940	4020	4540	4690	4590	5640	--	--
ANTIMONY	16.1 UJ	21.9 J	5.1 J	7.3 J	7.7 J	7.4 U	3.1 J	8.5 U	6 J	11.1 U	--	--
ARSENIC	7.1 J	6.3 J	7.2 J	8.3 J	13.2	5	11.9	3.5	26.4	2.1	6	--
BARIUM	169	80.3	137	154	224	62.8	87.9	117	230	81.9	--	--
BERYLLIUM	0.57 J	0.27 J	0.49 J	0.48 J	0.72	0.37 J	0.61 J	0.43 J	0.89	0.55 J	--	--
CADMIUM	1.4	13.2	15.9	14.2	14.3	5.8	3.4	12.6	7	16.1	0.6	--
CALCIUM	8210	922	3860	3420	4010 J-	5110 J-	3790 J-	6220 J-	8440 J-	3600 J-	--	--
CHROMIUM	14.5	13.3	13.1	13.6	15.3	6.9	9	8.2	10.4	9.2	--	--
COBALT	5.8 J	7.6	17.2	20.1	23.2	6.7	14	9.9	49.9	5.9 J	50	--
COPPER	95.5	297	203	238	144	34.7	51.8	41.6	65	81.5	16	--
IRON	11300	6670	12900	14200	23200	10100	21200	9370	34300	9810	20,000	--
LEAD	45.6	630	383	439	769	121	188	109	333	142	31	--
MAGNESIUM	2620	744	1660	1740	1750 J-	2970 J-	2130 J-	3610 J-	4520 J-	1790 J-	--	--
MANGANESE	1040	179	406	448	3100	575	979	181	3640	190	460	--
MERCURY	0.2 J	0.13 J	0.12 J	0.096 J	0.13 J	0.12 U	0.11 J	0.28	0.14 J	0.28	0.2	--
NICKEL	11.7	144	67.6	76.4	48	11.8	15.7	10	24.7	13.5	16	--
POTASSIUM	590 J	288 UJ	485 UJ	507 UJ	608 J	292 J	305 J	368 J	337 J	427 J	--	--
SELENIUM	1.9 J	0.75 J	1.1 J	0.98 J	1.7 J-	4.3 UJ	2.1 J-	5 UJ	2.7 J-	6.4 UJ	--	--
SILVER	2.7 U	1.3 UJ	1.8	1.7	0.51 J	1.2 U	1.5 U	1.4 U	1.5 U	1.8 U	0.5	--
SODIUM	519 J	132 J	127 J	129 J	2000 J+	807 J+	1140 J+	609 J+	1080 J+	1200 J+	--	--
THALLIUM	6.7 U	3.5 U	4.1 U	4 U	3.6 R	3.1 R	3.8 R	3.6 R	3.7 R	4.6 R	--	--
VANADIUM	21.6	10.1	19.4	19.9	39.2	17.3	33.4	18.7	57	19.3	--	--
ZINC	1080	26600	29100	31300	13400	5300	7870	3910	7350	8120	120	--
CYANIDE	0.33 UJ	0.07 UJ	0.29 UJ	0.24 UJ	0.38 J	0.1 J	0.09 J	0.12 J	0.12 J	0.33 J	0.1	--
pH	6.3	6.8	6.6	6.5	6.6	6.5	6.7	6.9	5.9	5.9	--	--
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

Eagle Zinc Company
ILD 980606941

Sample Summary
(Waste Piles)

Sampling Location	X301		X302		X303		X304		X305		X306		X307		X308		X309		X310		X311		X312		X313		RAL's
Date Sampled :	4/25/05		4/25/05		4/25/05		4/25/05		4/25/05		4/25/05		4/25/05		4/25/05		4/26/05		4/26/05		4/26/05		4/26/05		4/26/05		
SEMI-VOLATILES																											
Phenol	48	J	--		--		--		--		--		--		--		--		--		--		--		--		470,000,000
Phenanthrene	61	J	--		--		--		--		--		90	J	--		--		--		--		--		--		1,000,000
Fluoranthene	120	J	71	J	--		--		--		--		250	J	--		--		--		--		--		74	J	1,000,000
Pyrene	100	J	54	J	--		--		--		--		170	J	--		--		--		--		--		49	J	1,000,000
Benzo(a)anthracene	51	J	--		--		--		--		--		88	J	--		--		--		--		--		--		1,000,000
Chrysene	110	J	40	J	--		--		--		--		150	J	--		--		--		--		--		66	J	1,000,000
Benzo(b)fluoranthene	110	J	41	J	--		--		--		--		130	J	--		--		--		--		--		68	J	--
Benzo(k)fluoranthene	--		--		--		--		--		--		57	J	--		--		--		--		--		--		1,000,000
Benzo(a)pyrene	43	J	--		--		--		--		--		65	J	--		--		--		--		--		--		1,000,000
Benzo(g,h,I)perylene	55	J	--		--		--		--		--		50	J	--		--		--		--		--		--		1,000,000
	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/kg
INORGANICS																											
ALUMINUM	6860		4000		5530		4490		3910		4890		4150		41400		39800		75500		47200		58600		4840		310
ANTIMONY	13.3		13		28.6		355		13.1		6.7		320		429		665		628		621		608		109		--
ARSENIC	11.1		7		158		124		37.1		26.7		141		48.1		34.2		61.1		52.6		53.4		175		200
BARIUM	356		58.9		1930		286		623		430		103		82		55.3		55.5		40.7		58.3		285		--
BERYLLIUM	1.1		1.1		1.1		0.56		0.54		0.95		0.34	J	2.9		0.34	J	0.24	J	0.12	J	0.37	J	0.54	J	40
CADMIUM	88.5		9		67.4		0.56	U	30.4		17.6		152		18.2		60.5		29		42		34.9		97.8		25
CALCIUM	8160	J-	10300	J-	2100	J-	1060	J-	1250	J-	1500	J-	11300	J-	1140	J-	723	J-	1310	J-	751	J-	1100	J-	7630	J-	--
CHROMIUM	16.2		8.6		20.6		18.7		15.3		10.1		169		902		278		1460		1620		1480		41.5		400
COBALT	18.9		417		30.2		103		16.5		12.5		10.7		60.9		34.5		114		79.9		72.8		21		--
COPPER	394		304		3280		3190		757		488		454		21900		33100		20300		19800		23900		1400		5000
IRON	43400		8330		117000		117000		53600		35700		56700		32400		142000		55200		53500		45500		29100		--
LEAD	3190		83.7		5680		36500		7860		7390		7230		20300		13000		16800		18400		16400		29100		1,000
MAGNESIUM	2140	J-	4720	J-	1610	J-	492	J-	657	J-	446	J-	2170	J-	1340	J-	810	J-	1440	J-	926	J-	1620	J-	1370	J-	--
MANGANESE	517		374		231		5200		151		188		492		707		1280		1080		938		1120		471		--
MERCURY	2.3		0.058	J	0.061	J	1.6		0.078	J	0.11	U	0.2		0.081	J	0.14		0.11	J	0.052	U	0.12	U	0.15		1,600
NICKEL	52.3		628		60.1		30.2		30.4		28		65.3		9100		5350		17200		13000		9110		287		1,600
POTASSIUM	362	J	129	J	143	J	1370	J	156	J	159	J	199	J	110	J	86.5	J	50.4	J	39.5	J	64.1	J	755	J	--
SELENIUM	4.5	J-	3.7	UJ	12.2	J-	10.9	J-	6.7	J-	4.7	J-	6.1	J-	1.7	J-	11.2	J-	3.6	J-	2.7	J-	3.1	J-	5.8	J-	2,300
SILVER	2		1	U	10.4		80		2.9		2.1		3.6		27.3		26		26.6		45.5		23.4		6.6		2,300
SODIUM	5660	J+	19800	J+	6830	J+	4320	J+	3610	J+	3880	J+	10900	J+	17500	J+	14600	J+	20800	J+	22500	J+	20500	J+	23200	J+	--
THALLIUM	2.8	R	2.6	R	2.8	R	2.8	R	2.7	R	2.6	R	2.9	R	2.6	R	2.8	R	3	R	2.9	R	3.1	R	3.4	R	55
VANADIUM	25.2		13.3		26.9		53.9		18.1		18.1		18.3		14.3		19.9		18.1		14.4		35.1		14.9		--
ZINC	70200		391000		88900		25900		35100		41700		194000		381000		258000		383000		407000		354000		387000		160,000
CYANIDE	0.3	UJ	0.06	UJ	0.2	J	0.19	J	0.24	J	0.11	J-	0.43	J	0.07	J	0.14	J	0.2	J-	0.08	J	0.17	J	0.23	J	350
pH	6.6		6.5		6.8		6.4		6.4		6.8		5.9		5.8		6.1		6		6.7		6.5		6.2		--
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

5

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chlorde	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroehtene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene

2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Ideno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

DATE: May 25, 2005

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Eagle Zinc Co., IL

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
34138	ChemTech	20	ME00L0	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

RECEIVED
MAY 31 2005
IEPA-BOL-FSRS

Sent By: Michelle Davis, Secretary - ESAT Region 5 / ALION Science & Technology

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: May 24, 2005

SUBJECT: Review of Data
Received for Review on May 19, 2005

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Eagle Zinc Co.

CASE NUMBER: 34138 SDG NUMBER: ME00L0

Number and Type of Samples: 20 soils

Sample Numbers: ME00L0-9; ME00M0-9

Laboratory: Chemtech Hrs. for Review: 2

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00L0
Laboratory: Chemtech

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Twenty soil samples numbered ME00L0-9 and ME00M0-9 were collected on April 18-26, 2005. The lab received the samples on April 28, 2005 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM05.3 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT
Date: May 24, 2005

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00L0
Laboratory: Chemtech

1. HOLDING TIME:

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 4

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-5 The following inorganic cyanide samples did not meet primary holding time criteria. Hits are qualified "J-". Non-detects are not flagged. Use professional judgment.

ME00L5, ME00L9

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME00L0, ME00L1, ME00L2, ME00L3, ME00L3D, ME00L3S, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

2. CALIBRATIONS:

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 1

Data Review Results

L: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Calibrations **Protocol: INORG**

No defects found.

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 2

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CRDL/CRQL Standard **Protocol: INORG**

No defects found.

3. BLANKS:

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 7

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qu ation: Laboratory Blanks **Protocol: INORG**

Assembled By: ESAT
Date: May 24, 2005

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00L0
Laboratory: Chemtech

DC-1 The following inorganic samples have no associated preparation blank. Hits and non-detects are not flagged.

ME00L0
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L1
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L2
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L4
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L6
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L7
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L8
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00L9
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME00M0
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

ME00M1
Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

DC-18 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Assembled By: ESAT
Date: May 24, 2005

Cyanide
ME00L0, ME00L1

DC-19 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is greater than the CRQL. Use professional judgement to qualify data.

Aluminum
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7

Arsenic
ME00L3, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7

Iron
ME00L3, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7

Vanadium
ME00L3, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7

Zinc
ME00M3, ME00M4, ME00M5, ME00M6

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

Date 5/19/2005 Wincadre 3.1.3.2 Page: 9

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Control Sample **Protocol: INORG**

DC-6 The following inorganic soil samples are associated with a solid laboratory control sample (LCS) with analyte found amounts above the upper control limit criteira. Hits are qualified "J+".

Sodium
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

DC-7 The following inorganic soil samples are associated with a solid laboratory control sample (LCS) with analyte found amounts below the lower control limit criteria. Hits are qualified "J-" and non-detects are qualifed "UJ".

Calcium
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

Magnesium
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

Date 5/19/2005 Wincadre 3.1.3.2 Page: 10

Data Review Results

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00L0
Laboratory: Chemtech

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Matrix Spikes **Protocol: INORG**

DC-10 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. Non-detects are flagged "UJ".

Selenium
ME00L1, ME00M3, ME00M5, ME00M9

DC-12 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. Post-digest spike percent recovery was also less than the low limit. Detects are flagged "J-".

Selenium
ME00L0, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M4, ME00M6, ME00M7, ME00M8

DC-14 The following inorganic samples are associated with a matrix spike recovery which is outside expanded low criteria. Post-digest spike percent recovery was also less than the low limit. Detects are flagged "J-" and non-detects are flagged "R".

Thallium
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

5. LABORATORY AND FIELD DUPLICATE

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 3

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Duplicates **Protocol: INORG**

DC-4 The following inorganic samples are not qualified for duplicates due to missing information. Hits and non-detects are not flagged.

Lead
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

Zinc
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

6. ICP ANALYSIS

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 5

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG

Assembled By: ESAT
Date: May 24, 2005

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00L0
Laboratory: Chemtech

F me: ME00L0 SDG No.: ME00L0 Criteria: ILM05 Defects: ILM05DEFECT

Qualification: Interference Check Sample **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L that may cause potential interference. Use professional judgement to qualify sample data.

ME00L0
Lead, Sodium, Zinc

ME00L1
Sodium, Zinc

ME00L2
Barium, Copper, Lead, Sodium, Zinc

ME00L3
Copper, Lead, Manganese, Potassium, Sodium, Zinc

ME00L4
Lead, Sodium, Zinc

ME00L5
Lead, Sodium, Zinc

ME00L6
Lead, Sodium, Zinc

ME00L7
Copper, Lead, Nickel, Sodium, Zinc

ME00L8
Copper, Lead, Manganese, Nickel, Sodium, Zinc

ME00L9
Chromium, Copper, Lead, Nickel, Sodium, Zinc

ME00M0
Chromium, Copper, Lead, Nickel, Sodium, Zinc

ME00M1
Chromium, Copper, Lead, Nickel, Sodium, Zinc

ME00M2
Copper, Lead, Sodium, Zinc

ME00M3
Zinc

ME00M4
Zinc

ME00M5
Zinc

ME00M6
Manganese, Zinc

ME00M7
Copper, Sodium, Zinc

Assembled By: ESAT
Date: May 24, 2005

ME00M8
Manganese, Sodium, Zinc

ME00M9
Zinc

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICS solution. Use professional judgement to qualify sample data.

ME00L0, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M4, ME00M6, ME00M7, ME00M8

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 13

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Serial Dilution **Protocol: INORG**

DC-3 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The detected serial dilution result is less than the initial sample result. Hits are qualified "J" and non-detects are qualified "UJ".

Potassium
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

Manganese
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

Zinc
ME00L0, ME00L1, ME00L2, ME00L3, ME00L4, ME00L5, ME00L6, ME00L7, ME00L8, ME00L9, ME00M0, ME00M1, ME00M2, ME00M3, ME00M4, ME00M5, ME00M6, ME00M7, ME00M8, ME00M9

7. GFAA ANALYSIS

8. SAMPLE RESULTS

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 11

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00L0	SDG No.: ME00L0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Sample Result Verification **Protocol: INORG**

Assembled By: ESAT
Date: May 24, 2005

DC-2 The following inorganic samples have analyte concentrations which exceed the linear range. Professional judgement must be used to qualify the data.

ME00L9
Zinc

ME00M1
Zinc

DC-5 The following inorganic samples have analyte concentrations reported below the quantitation limit (CRQL). All results below the CRQL are qualified"J".

ME00L0
Potassium, Cyanide

ME00L1
Mercury, Potassium, Cyanide

ME00L2
Mercury, Potassium, Cyanide

ME00L3
Magnesium, Cyanide

ME00L3D
Magnesium, Cyanide

ME00L4
Mercury, Potassium, Cyanide

ME00L5
Magnesium, Potassium, Cyanide

ME00L6
Beryllium, Potassium, Cyanide

ME00L7
Mercury, Potassium, Selenium, Cyanide

ME00L8
Beryllium, Potassium, Cyanide

ME00L9
Beryllium, Mercury, Potassium, Selenium, Cyanide

ME00M0
Beryllium, Potassium, Selenium, Cyanide

ME00M1
Beryllium, Potassium, Selenium, Cyanide

ME00M2
Beryllium, Cyanide

ME00M3
Beryllium, Cobalt, Potassium, Cyanide

ME00M4
Antimony, Beryllium, Mercury, Potassium, Selenium, Cyanide

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00L0
Laboratory: Chemtech

ME00M5
Beryllium, Potassium, Sodium, Cyanide

ME00M6
Antimony, Mercury, Potassium, Selenium, Cyanide

ME00M7
Mercury, Cyanide

ME00M8
Antimony, Mercury, Potassium, Selenium, Silver, Cyanide

ME00M9
Beryllium, Potassium, Cyanide

All data, except those qualified above, are acceptable.

Assembled By: ESAT
Date: May 24, 2005

ILM05.3 Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Analytical Results (Qualified Data)

Case #: 34138 SDG : ME00L0
Site : EAGLE ZINC CO.
Lab : CHEM
Reviewer :
Date :

Number of Soil Samples : 20
Number of Water Samples : 0

Sample Number :	ME00L0		ME00L1		ME00L2		ME00L3		ME00L4	
Sampling Location :	X301		X302		X303		X304		X305	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled	4/25/2005		4/25/2005		4/25/2005		4/25/2005		4/25/2005	
Time Sampled :	15:20		15:40		16.00		16:10		16.30	
%Solids :	88.3		93.9		88.0		89.5		92.2	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	6860		4000		5530		4490		3910	
ANTIMONY	13.3		13.0		28.6		355		13.1	
ARSENIC	11.1		7.0		158		124		37 1	
BARIUM	356		58.9		1930		286		623	
BERYLLIUM	1.1		1.1		1.1		0.56		0.54	
CADMIUM	88.5		9.0		67.4		0.56	U	30.4	
CALCIUM	8160	J-	10300	J-	2100	J-	1060	J-	1250	J-
CHROMIUM	16.2		8.6		20.6		18.7		15.3	
COBALT	18.9		417		30.2		103		16.5	
COPPER	394		304		3280		3190		757	
IRON	43400		8330		117000		117000		53600	
LEAD	3190		83.7		5680		36500		7860	
MAGNESIUM	2140	J-	4720	J-	1610	J-	492	J-	657	J-
MANGANESE	517		374		231		5200		151	
MERCURY	2.3		0.058	J	0.061	J	1.6		0.078	J
NICKEL	52.3		628		60.1		30.2		30.4	
POTASSIUM	362	J	129	J	143	J	1370	J	156	J
SELENIUM	4.5	J-	3.7	UJ	12.2	J-	10.9	J-	6.7	J-
SILVER	2.0		1.0	U	10.4		80.0		2.9	
SODIUM	5660	J+	19800	J+	6830	J+	4320	J+	3610	J+
THALLIUM	2.8	R	2.6	R	2.8	R	2.8	R	2.7	R
VANADIUM	25.2		13.3		26.9		53.9		18.1	
ZINC	70200		391000		88900		25900		35100	
CYANIDE	0.30	UJ	0.060	UJ	0.20	J	0.19	J	0.24	J

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user.
Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 34138 SDG : ME00L0
Site : EAGLE ZINC CO
Lab CHEM
Reviewer :
Date

Sample Number :	ME00L5		ME00L6		ME00L7		ME00L8		ME00L9	
Sampling Location .	X306		X307		X308		X309		X310	
Matrix .	Soil		Soil		Soil		Soil		Soil	
Units .	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/18/2005		4/25/2005		4/25/2005		4/26/2005		4/19/2005	
Time Sampled :	17:20		17:40		18:15		08:10		08:45	
%Solids :	94.2		86.4		95.5		88.3		82.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	4890		4150		41400		39800		75500	
ANTIMONY	6.7		320		429		665		628	
ARSENIC	26.7		141		48.1		34.2		61.1	
BARIUM	430		103		82.0		55.3		55.5	
BERYLLIUM	0.95		0.34	J	2.9		0.34	J	0.24	J
CADMIUM	17.6		152		18.2		60.5		29.0	
CALCIUM	1500	J-	11300	J-	1140	J-	723	J-	1310	J-
CHROMIUM	10.1		169		902		278		1460	
COBALT	12.5		10.7		60.9		34.5		114	
COPPER	488		454		21900		33100		20300	
IRON	35700		56700		32400		142000		55200	
LEAD	7390		7230		20300		13000		16800	
MAGNESIUM	446	J-	2170	J-	1340	J-	810	J-	1440	J-
MANGANESE	188		492		707		1280		1080	
MERCURY	0.11	U	0.20		0.081	J	0.14		0.11	J
CKEL	28.0		65.3		9100		5350		17200	
OTASSIUM	159	J	199	J	110	J	86.5	J	50.4	J
SELENIUM	4.7	J-	6.1	J-	1.7	J-	11.2	J-	3.6	J-
SILVER	2.1		3.6		27.3		26.0		26.6	
SODIUM	3880	J+	10900	J+	17500	J+	14600	J+	20800	J+
THALLIUM	2.6	R	2.9	R	2.6	R	2.8	R	3.0	R
VANADIUM	18.1		18.3		14.3		19.9		18.1	
ZINC	41700		194000		381000		258000		383000	
CYANIDE	0.11	J-	0.43	J	0.070	J	0.14	J	0.20	J-

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Analytical Results (Qualified Data)

Case # 34138 SDG . ME00L0
Site EAGLE ZINC CO.
Lab. CHEM
Reviewer :
Date :

Sample Number :	ME00M0		ME00M1		ME00M2		ME00M3		ME00M4	
Sampling Location :	X311		X312		X313		X210		X207	
Matrix .	Soil		Soil		Soil		Soil		Soil	
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled :	08:30		08:45		09:30		10:30		15:00	
%Solids :	85.3		81.6		73.7		53.2		64.2	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	47200		58600		4840		5640		4540	
ANTIMONY	621		608		109		11.1	U	3.1	J
ARSENIC	52.6		53.4		175		2.1		11.9	
BARIUM	40.7		58.3		285		81.9		87.9	
BERYLLIUM	0.12	J	0.37	J	0.54	J	0.55	J	0.61	J
CADMIUM	42.0		34.9		97.8		16.1		3.4	
CALCIUM	751	J-	1100	J-	7630	J-	3600	J-	3790	J-
CHROMIUM	1620		1480		41.5		9.2		9.0	
COBALT	79.9		72.8		21.0		5.9	J	14.0	
COPPER	19800		23900		1400		81.5		51.8	
IRON	53500		45500		29100		9810		21200	
LEAD	18400		16400		29100		142		188	
MAGNESIUM	926	J-	1620	J-	1370	J-	1790	J-	2130	J-
MANGANESE	938		1120		471		190		979	
MERCURY	0.052	U	0.12	U	0.15		0.28		0.11	J
NICKEL	13000		9110		287		13.5		15.7	
POTASSIUM	39.5	J	64.1	J	755	J	427	J	305	J
SELENIUM	2.7	J-	3.1	J-	5.8	J-	6.4	UJ	2.1	J-
SILVER	45.5		23.4		6.6		1.8	U	1.5	U
SODIUM	22500	J+	20500	J+	23200	J+	1200	J+	1140	J+
THALLIUM	2.9	R	3.1	R	3.4	R	4.6	R	3.8	R
VANADIUM	14.4		35.1		14.9		19.3		33.4	
ZINC	407000		354000		387000		8120		7870	
CYANIDE	0.080	J	0.17	J	0.23	J	0.33	J	0.090	J

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Analytical Results (Qualified Data)

Case # 34138 SDG : ME00L0
Site : EAGLE ZINC CO.
Lab : CHEM
.eviewer
Date :

Sample Number :	ME00M5		ME00M6		ME00M7		ME00M8		ME00M9	
Sampling Location :	X208		X209		X113		X205		X206	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled :	14:30		13:40		12:50		17:40		17:00	
%Solids :	69.7		67.5		78.9		69.1		81.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	4690		4590		7070		8940		4020	
ANTIMONY	8.5	U	6.0	J	22.2		7.7	J	7.4	U
ARSENIC	3.5		26.4		14.9		13.2		5.0	
BARIUM	117		230		191		224		62.8	
BERYLLIUM	0.43	J	0.89		0.76		0.72		0.37	J
CADMIUM	12.6		7.0		6.0		14.3		5.8	
CALCIUM	6220	J-	8440	J-	14400	J-	4010	J-	5110	J-
CHROMIUM	8.2		10.4		31.9		15.3		6.9	
COBALT	9.9		49.9		136		23.2		6.7	
COPPER	41.6		65.0		1710		144		34.7	
IRON	9370		34300		107000		23200		10100	
LEAD	109		333		401		769		121	
MAGNESIUM	3610	J-	4520	J-	3210	J-	1750	J-	2970	J-
MANGANESE	181		3640		809		3100		575	
MERCURY	0.28		0.14	J	0.11	J	0.13	J	0.12	U
NICKEL	10.0		24.7		439		48.0		11.8	
POTASSIUM	368	J	337	J	1250	J	608	J	292	J
SELENIUM	5.0	UJ	2.7	J-	9.5	J-	1.7	J-	4.3	UJ
SILVER	1.4	U	1.5	U	4.9		0.51	J	1.2	U
SODIUM	609	J+	1080	J+	7320	J+	2000	J+	807	J+
THALLIUM	3.6	R	3.7	R	3.2	R	3.6	R	3.1	R
VANADIUM	18.7		57.0		29.9		39.2		17.3	
ZINC	3910		7350		70600		13400		5300	
CYANIDE	0.12	J	0.12	J	0.11	J	0.38	J	0.10	J

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Analytical Results (Qualified Data)

Case # 34138 SDG : ME00L0
Site : EAGLE ZINC CO.
Lab. CHEM
Reviewer :
Date

Sample Number :	ME00L3D		ME00L3S							
Sampling Location :	X304		X304							
Matrix :	Soil		Soil							
Units :	mg/Kg		mg/Kg							
Date Sampled :	4/25/2005		4/25/2005							
Time Sampled :	16:10		16:10							
%Solids :	89.1		89.5							
Dilution Factor :	1.0		4.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	4450									
ANTIMONY	326		362							
ARSENIC	115		127							
BARIUM	273		679							
BERYLLIUM	0.56		9.8							
CADMIUM	0.56	U	8.7							
CALCIUM	1290									
CHROMIUM	18.8		56.6							
COBALT	89.3		192							
COPPER	2780		3090							
IRON	107000									
LEAD	34100		35900							
MAGNESIUM	477	J								
MANGANESE	4560		5080							
MERCURY	1.4		2.2							
NICKEL	25.5		124							
POTASSIUM	1230									
SELENIUM	10.4		19.0							
SILVER	72.7		87.5							
SODIUM	4010									
THALLIUM	2.8	U	2.8	U						
VANADIUM	54.9		151							
ZINC	22600		25600							
CYANIDE	0.19	J	4.6							

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	34138
DAS No:	
SDG No:	ME00L0

L

Date Shipped:	4/27/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024277
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	4/26/05 1900	DARWIN DELEON	10:15 4-28-05
2			
3			
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:	68W02068
Unit Price:	$68.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00L0	Waste/ Jerry Willman	M/G	TM (21)	5-263401 (1)	X301	S: 4/25/2005	15:20	E00L0	
ME00L1	Waste/ Jerry Willman	M/G	TM (21)	5-263403 (1)	X302	S: 4/25/2005	15:40	E00L1	
ME00L2	Waste/ Jerry Willman	L/G	TM (21)	5-263405 (1)	X303	S: 4/25/2005	16:00	E00L2	
ME00L3	Waste/ Jerry Willman	L/G	TM (21)	5-263407 (1)	X304	S: 4/25/2005	16:10	E00L3	
ME00L4	Waste/ Jerry Willman	M/G	TM (21)	5-263409 (1)	X305	S: 4/25/2005	16:30	E00L4	
ME00L5	Waste/ Jerry Willman	L/G	TM (21)	5-263411 (1)	X306	S: 4/18/2005	17:20	E00L5	
ME00L6	Waste/ Jerry Willman	M/G	TM (21)	5-263413 (1)	X307	S: 4/25/2005	17:40	E00L6	
ME00L7	Waste/ Jerry Willman	M/G	TM (21)	5-263415 (1)	X308	S: 4/18/2005	18:15	E00L7	
ME00L8	Waste/ Jerry Willman	M/G	TM (21)	5-263417 (1)	X309	S: 4/26/2005	8:10	E00L8	
ME00L9	Waste/ Jerry Willman	M/G	TM (21)	5-263419 (1)	X310	S: 4/19/2005	8:45	E00L9	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: ME00L3	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: 82757
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes / Shipment Iced? Yes

TM = CLP TAL Total Metals

TR Number: 5-314975591-042605-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	34138
DAS No:	
SDG No:	ME00LD

L

Date Shipped:	4/27/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024277
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	4/26/05 1900	DARWIN DE LEON	4-27-05 10:15 AM
2			
3			
4			

For Lab Use Only

Lab Contract No:	68W02068
Unit Price:	$68.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00M0	Waste/ Jerry Willman	L/G	TM (21)	5-263421 (1)	X311	S: 4/26/2005	8:30	E00M0	
ME00M1	Waste/ Jerry Willman	M/G	TM (21)	5-263423 (1)	X312	S: 4/26/2005	8:45	E00M1	
ME00M2	Waste/ Jerry Willman	M/G	TM (21)	5-263425 (1)	X313	S: 4/26/2005	9:30	E00M2	
ME00M3	Sediment/ Jerry Willman	L/G	TM (21)	5-263427 (1)	X210	S: 4/26/2005	10:30	E00M3	
ME00M4	Sediment/ Jerry Willman	L/G	TM (21)	5-263429 (1)	X207	S: 4/26/2005	15:00	E00M4	
ME00M5	Sediment/ Jerry Willman	L/G	TM (21)	5-263431 (1)	X208	S: 4/26/2005	14:30	E00M5	
ME00M6	Sediment/ Jerry Willman	L/G	TM (21)	5-263433 (1)	X209	S: 4/26/2005	13:40	E00M6	
ME00M7	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-263435 (1)	X113	S: 4/26/2005	12:50		
ME00M8	Sediment/ Jerry Willman	L/G	TM (21)	5-263436 (1)	X205	S: 4/26/2005	17:40	E00M8	
ME00M9	Sediment/ Jerry Willman	L/G	TM (21)	5-263438 (1)	X206	S: 4/26/2005	17:00	E00M9	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	ME00L3		4°C	82757

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? Yes Shipment Iced? Yes

X TM = CLP TAL Total Metals

TR Number: 5-314975591-042605-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sa Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 7 4-9348 Fax 703/264-9222

F2V5.1.043 Pg 2 of 2

MAY 19 2005

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # ME00L0
CASE # 34138
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #T2592

A. Number of Samples and Date of Receipt

20 Soil Samples were delivered to the laboratory intact on 04/28/05.

B. Parameters

Test requested for Total Metals and Cyanide.

C. Cooler Temp

Indicator Bottle: Presence/Absence
Cooler: 4°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

The analysis indicated on the TR/COC was TM/CN/Hg however, the TR/COC indicated TM only. Please advise.

E. Corrective Action taken for above:

Per Region 5, please analyze the samples as scheduled (TM/HG/CN) and note the issue in the SDG Narrative.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.3

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements except for the Selenium. Duplicate sample did met requirements. Serial Dilution did met requirements except for Manganese and Potassium.

I certify that the 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 hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____ Name: Parveen Hasan

Date 5/18/05 Title: EPA QA/QC OFFICER

MAY 1 9 2005

USEPA - CLP

COVER PAGE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
ME00L0	T2592-01
ME00L1	T2592-02
ME00L2	T2592-03
ME00L3	T2592-04
ME00L3D	T2592-05
ME00L3S	T2592-06
ME00L4	T2592-07
ME00L5	T2592-08
ME00L6	T2592-09
ME00L7	T2592-10
ME00L8	T2592-11
ME00L9	T2592-12
ME00M0	T2592-13
ME00M1	T2592-14
ME00M2	T2592-15
ME00M3	T2592-16
ME00M4	T2592-17
ME00M5	T2592-18
ME00M6	T2592-19
ME00M7	T2592-20
ME00M8	T2592-21
ME00M9	T2592-22

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	

Comments:
The "E" qualifiers on Form I and VIII for Manganese, Potassium and Zinc indicate chemical or physical interference effects, which were suspected during those elements' analyses only.

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 diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: PARVEEN HASAN

Date: 5/18/05 Title: EPA QA/QC OFFICER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L0

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-01

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 88.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6860			P
7440-36-0	Antimony	13.3			P
7440-38-2	Arsenic	11.1			P
7440-39-3	Barium	356			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	88.5			P
7440-70-2	Calcium	8160			P
7440-47-3	Chromium	16.2			P
7440-48-4	Cobalt	18.9			P
7440-50-8	Copper	394			P
7439-89-6	Iron	43400			P
7439-92-1	Lead	3190			P
7439-95-4	Magnesium	2140			P
7439-96-5	Manganese	517		E	P
7439-97-6	Mercury	2.3			CV
7440-02-0	Nickel	52.3			P
7440-09-7	Potassium	362	J	E	P
7782-49-2	Selenium	4.5		N	P
7440-22-4	Silver	2.0			P
7440-23-5	Sodium	5660			P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	25.2			P
7440-66-6	Zinc	70200		D	P
57-12-5	Cyanide	0.30	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L1

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-02

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 93.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4000			P
7440-36-0	Antimony	13.0			P
7440-38-2	Arsenic	7.0			P
7440-39-3	Barium	58.9			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	9.0			P
7440-70-2	Calcium	10300			P
7440-47-3	Chromium	8.6			P
7440-48-4	Cobalt	417			P
7440-50-8	Copper	304			P
7439-89-6	Iron	8330			P
7439-92-1	Lead	83.7			P
7439-95-4	Magnesium	4720			P
7439-96-5	Manganese	374		E	P
7439-97-6	Mercury	0.06	J		CV
7440-02-0	Nickel	628			P
7440-09-7	Potassium	129	J	E	P
7782-49-2	Selenium	3.7	U	N	P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	19800			P
7440-28-0	Thallium	2.6	U	N	P
7440-62-2	Vanadium	13.3			P
7440-66-6	Zinc	391000		D	P
57-12-5	Cyanide	0.06	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

IA-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L2

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-03

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 88.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5530			P
7440-36-0	Antimony	28.6			P
7440-38-2	Arsenic	158			P
7440-39-3	Barium	1930			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	67.4			P
7440-70-2	Calcium	2100			P
7440-47-3	Chromium	20.6			P
7440-48-4	Cobalt	30.2			P
7440-50-8	Copper	3280			P
7439-89-6	Iron	117000			P
7439-92-1	Lead	5680			P
7439-95-4	Magnesium	1610			P
7439-96-5	Manganese	231		E	P
7439-97-6	Mercury	0.06	J		CV
7440-02-0	Nickel	60.1			P
7440-09-7	Potassium	143	J	E	P
7782-49-2	Selenium	12.2		N	P
7440-22-4	Silver	10.4			P
7440-23-5	Sodium	6830			P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	26.9			P
7440-66-6	Zinc	88900		D	P
57-12-5	Cyanide	0.20	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L3

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-04

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 89.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4490			P
7440-36-0	Antimony	355			P
7440-38-2	Arsenic	124			P
7440-39-3	Barium	286			P
7440-41-7	Beryllium	0.56			P
7440-43-9	Cadmium	0.56	U		P
7440-70-2	Calcium	1060			P
7440-47-3	Chromium	18.7			P
7440-48-4	Cobalt	103			P
7440-50-8	Copper	3190			P
7439-89-6	Iron	117000			P
7439-92-1	Lead	36500		D	P
7439-95-4	Magnesium	492	J		P
7439-96-5	Manganese	5200		E	P
7439-97-6	Mercury	1.6			CV
7440-02-0	Nickel	30.2			P
7440-09-7	Potassium	1370		E	P
7782-49-2	Selenium	10.9		N	P
7440-22-4	Silver	80.0			P
7440-23-5	Sodium	4320			P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	53.9			P
7440-66-6	Zinc	25900		D	P
57-12-5	Cyanide	0.19	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L4

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-07

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 92.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3910			P
7440-36-0	Antimony	13.1			P
7440-38-2	Arsenic	37.1			P
7440-39-3	Barium	623			P
7440-41-7	Beryllium	0.54			P
7440-43-9	Cadmium	30.4			P
7440-70-2	Calcium	1250			P
7440-47-3	Chromium	15.3			P
7440-48-4	Cobalt	16.5			P
7440-50-8	Copper	757			P
7439-89-6	Iron	53600			P
7439-92-1	Lead	7860			P
7439-95-4	Magnesium	657			P
7439-96-5	Manganese	151		E	P
7439-97-6	Mercury	0.08	J		CV
7440-02-0	Nickel	30.4			P
7440-09-7	Potassium	156	J	E	P
7782-49-2	Selenium	6.7		N	P
7440-22-4	Silver	2.9			P
7440-23-5	Sodium	3610			P
7440-28-0	Thallium	2.7	U	N	P
7440-62-2	Vanadium	18.1			P
7440-66-6	Zinc	35100		D	P
57-12-5	Cyanide	0.24	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L5

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-08

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 94.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4890			P
7440-36-0	Antimony	6.7			P
7440-38-2	Arsenic	26.7			P
7440-39-3	Barium	430			P
7440-41-7	Beryllium	0.95			P
7440-43-9	Cadmium	17.6			P
7440-70-2	Calcium	1500			P
7440-47-3	Chromium	10.1			P
7440-48-4	Cobalt	12.5			P
7440-50-8	Copper	488			P
7439-89-6	Iron	35700			P
7439-92-1	Lead	7390			P
7439-95-4	Magnesium	446	J		P
7439-96-5	Manganese	188		E	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	28.0			P
7440-09-7	Potassium	159	J	E	P
7782-49-2	Selenium	4.7		N	P
7440-22-4	Silver	2.1			P
7440-23-5	Sodium	3880			P
7440-28-0	Thallium	2.6	U	N	P
7440-62-2	Vanadium	18.1			P
7440-66-6	Zinc	41700		D	P
57-12-5	Cyanide	0.11	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L6

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-09

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 86.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4150			P
7440-36-0	Antimony	320			P
7440-38-2	Arsenic	141			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.34	J		P
7440-43-9	Cadmium	152			P
7440-70-2	Calcium	11300			P
7440-47-3	Chromium	169			P
7440-48-4	Cobalt	10.7			P
7440-50-8	Copper	454			P
7439-89-6	Iron	56700			P
7439-92-1	Lead	7230			P
7439-95-4	Magnesium	2170			P
7439-96-5	Manganese	492		E	P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	65.3			P
7440-09-7	Potassium	199	J	E	P
7782-49-2	Selenium	6.1		N	P
7440-22-4	Silver	3.6			P
7440-23-5	Sodium	10900			P
7440-28-0	Thallium	2.9	U	N	P
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	194000		D	P
57-12-5	Cyanide	0.43	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L7

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-10

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 95.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41400			P
7440-36-0	Antimony	429			P
7440-38-2	Arsenic	48.1			P
7440-39-3	Barium	82.0			P
7440-41-7	Beryllium	2.9			P
7440-43-9	Cadmium	18.2			P
7440-70-2	Calcium	1140			P
7440-47-3	Chromium	902			P
7440-48-4	Cobalt	60.9			P
7440-50-8	Copper	21900		D	P
7439-89-6	Iron	32400			P
7439-92-1	Lead	20300		D	P
7439-95-4	Magnesium	1340			P
7439-96-5	Manganese	707		E	P
7439-97-6	Mercury	0.08	J		CV
7440-02-0	Nickel	9100			P
7440-09-7	Potassium	110	J	E	P
7782-49-2	Selenium	1.7	J	N	P
7440-22-4	Silver	27.3			P
7440-23-5	Sodium	17500			P
7440-28-0	Thallium	2.6	U	N	P
7440-62-2	Vanadium	14.3			P
7440-66-6	Zinc	381000		D	P
57-12-5	Cyanide	0.07	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L8

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-11

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 88.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39800			P
7440-36-0	Antimony	665			P
7440-38-2	Arsenic	34.2			P
7440-39-3	Barium	55.3			P
7440-41-7	Beryllium	0.34	J		P
7440-43-9	Cadmium	60.5			P
7440-70-2	Calcium	723			P
7440-47-3	Chromium	278			P
7440-48-4	Cobalt	34.5			P
7440-50-8	Copper	33100		D	P
7439-89-6	Iron	142000			P
7439-92-1	Lead	13000		D	P
7439-95-4	Magnesium	810			P
7439-96-5	Manganese	1280		E	P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	5350			P
7440-09-7	Potassium	86.5	J	E	P
7782-49-2	Selenium	11.2		N	P
7440-22-4	Silver	26.0			P
7440-23-5	Sodium	14600			P
7440-28-0	Thallium	2.8	U	N	P
7440-62-2	Vanadium	19.9			P
7440-66-6	Zinc	258000		D	P
57-12-5	Cyanide	0.14	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00L9

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-12

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 82.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	75500			P
7440-36-0	Antimony	628			P
7440-38-2	Arsenic	61.1			P
7440-39-3	Barium	55.5			P
7440-41-7	Beryllium	0.24	J		P
7440-43-9	Cadmium	29.0			P
7440-70-2	Calcium	1310			P
7440-47-3	Chromium	1460			P
7440-48-4	Cobalt	114			P
7440-50-8	Copper	20300		D	P
7439-89-6	Iron	55200			P
7439-92-1	Lead	16800		D	P
7439-95-4	Magnesium	1440			P
7439-96-5	Manganese	1080		E	P
7439-97-6	Mercury	0.11	J		CV
7440-02-0	Nickel	17200		D	P
7440-09-7	Potassium	50.4	J	E	P
7782-49-2	Selenium	3.6	J	N	P
7440-22-4	Silver	26.6			P
7440-23-5	Sodium	20800			P
7440-28-0	Thallium	3.0	U	N	P
7440-62-2	Vanadium	18.1			P
7440-66-6	Zinc	383000		D	P
57-12-5	Cyanide	0.20	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M0

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-13

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 85.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	47200			P
7440-36-0	Antimony	621			P
7440-38-2	Arsenic	52.6			P
7440-39-3	Barium	40.7			P
7440-41-7	Beryllium	0.12	J		P
7440-43-9	Cadmium	42.0			P
7440-70-2	Calcium	751			P
7440-47-3	Chromium	1620			P
7440-48-4	Cobalt	79.9			P
7440-50-8	Copper	19800		D	P
7439-89-6	Iron	53500			P
7439-92-1	Lead	18400		D	P
7439-95-4	Magnesium	926			P
7439-96-5	Manganese	938		E	P
7439-97-6	Mercury	0.05	J		CV
7440-02-0	Nickel	13000		D	P
7440-09-7	Potassium	39.5	J	E	P
7782-49-2	Selenium	2.7	J	N	P
7440-22-4	Silver	45.5			P
7440-23-5	Sodium	22500			P
7440-28-0	Thallium	2.9	U	N	P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	407000		D	P
57-12-5	Cyanide	0.08	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M1

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-14

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 81.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	58600			P
7440-36-0	Antimony	608			P
7440-38-2	Arsenic	53.4			P
7440-39-3	Barium	58.3			P
7440-41-7	Beryllium	0.37	J		P
7440-43-9	Cadmium	34.9			P
7440-70-2	Calcium	1100			P
7440-47-3	Chromium	1480			P
7440-48-4	Cobalt	72.8			P
7440-50-8	Copper	23900		D	P
7439-89-6	Iron	45500			P
7439-92-1	Lead	16400		D	P
7439-95-4	Magnesium	1620			P
7439-96-5	Manganese	1120		E	P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	9110			P
7440-09-7	Potassium	64.1	J	E	P
7782-49-2	Selenium	3.1	J	N	P
7440-22-4	Silver	23.4			P
7440-23-5	Sodium	20500			P
7440-28-0	Thallium	3.1	U	N	P
7440-62-2	Vanadium	35.1			P
7440-66-6	Zinc	354000		D	P
57-12-5	Cyanide	0.17	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M2

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-15

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 73.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4840			P
7440-36-0	Antimony	109			P
7440-38-2	Arsenic	175			P
7440-39-3	Barium	285			P
7440-41-7	Beryllium	0.54	J		P
7440-43-9	Cadmium	97.8			P
7440-70-2	Calcium	7630			P
7440-47-3	Chromium	41.5			P
7440-48-4	Cobalt	21.0			P
7440-50-8	Copper	1400			P
7439-89-6	Iron	29100			P
7439-92-1	Lead	29100		D	P
7439-95-4	Magnesium	1370			P
7439-96-5	Manganese	471		E	P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	287			P
7440-09-7	Potassium	755		E	P
7782-49-2	Selenium	5.8		N	P
7440-22-4	Silver	6.6			P
7440-23-5	Sodium	23200			P
7440-28-0	Thallium	3.4	U	N	P
7440-62-2	Vanadium	14.9			P
7440-66-6	Zinc	387000		D	P
57-12-5	Cyanide	0.23	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M3

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-16

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 53.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5640			P
7440-36-0	Antimony	11.1	U		P
7440-38-2	Arsenic	2.1			P
7440-39-3	Barium	81.9			P
7440-41-7	Beryllium	0.55	J		P
7440-43-9	Cadmium	16.1			P
7440-70-2	Calcium	3600			P
7440-47-3	Chromium	9.2			P
7440-48-4	Cobalt	5.9	J		P
7440-50-8	Copper	81.5			P
7439-89-6	Iron	9810			P
7439-92-1	Lead	142			P
7439-95-4	Magnesium	1790			P
7439-96-5	Manganese	190		E	P
7439-97-6	Mercury	0.28			CV
7440-02-0	Nickel	13.5			P
7440-09-7	Potassium	427	J	E	P
7782-49-2	Selenium	6.4	U	N	P
7440-22-4	Silver	1.8	U		P
7440-23-5	Sodium	1200			P
7440-28-0	Thallium	4.6	U	N	P
7440-62-2	Vanadium	19.3			P
7440-66-6	Zinc	8120			P
57-12-5	Cyanide	0.33	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M4

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-17

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 64.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4540			P
7440-36-0	Antimony	3.1	J		P
7440-38-2	Arsenic	11.9			P
7440-39-3	Barium	87.9			P
7440-41-7	Beryllium	0.61	J		P
7440-43-9	Cadmium	3.4			P
7440-70-2	Calcium	3790			P
7440-47-3	Chromium	9.0			P
7440-48-4	Cobalt	14.0			P
7440-50-8	Copper	51.8			P
7439-89-6	Iron	21200			P
7439-92-1	Lead	188			P
7439-95-4	Magnesium	2130			P
7439-96-5	Manganese	979		E	P
7439-97-6	Mercury	0.11	J		CV
7440-02-0	Nickel	15.7			P
7440-09-7	Potassium	305	J	E	P
7782-49-2	Selenium	2.1	J	N	P
7440-22-4	Silver	1.5	U		P
7440-23-5	Sodium	1140			P
7440-28-0	Thallium	3.8	U	N	P
7440-62-2	Vanadium	33.4			P
7440-66-6	Zinc	7870			P
57-12-5	Cyanide	0.09	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M5

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-18

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 69.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4690			P
7440-36-0	Antimony	8.5	U		P
7440-38-2	Arsenic	3.5			P
7440-39-3	Barium	117			P
7440-41-7	Beryllium	0.43	J		P
7440-43-9	Cadmium	12.6			P
7440-70-2	Calcium	6220			P
7440-47-3	Chromium	8.2			P
7440-48-4	Cobalt	9.9			P
7440-50-8	Copper	41.6			P
7439-89-6	Iron	9370			P
7439-92-1	Lead	109			P
7439-95-4	Magnesium	3610			P
7439-96-5	Manganese	181		E	P
7439-97-6	Mercury	0.28			CV
7440-02-0	Nickel	10.0			P
7440-09-7	Potassium	368	J	E	P
7782-49-2	Selenium	5.0	U	N	P
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium	609	J		P
7440-28-0	Thallium	3.6	U	N	P
7440-62-2	Vanadium	18.7			P
7440-66-6	Zinc	3910			P
57-12-5	Cyanide	0.12	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M6

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-19

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 67.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4590			P
7440-36-0	Antimony	6.0	J		P
7440-38-2	Arsenic	26.4			P
7440-39-3	Barium	230			P
7440-41-7	Beryllium	0.89			P
7440-43-9	Cadmium	7.0			P
7440-70-2	Calcium	8440			P
7440-47-3	Chromium	10.4			P
7440-48-4	Cobalt	49.9			P
7440-50-8	Copper	65.0			P
7439-89-6	Iron	34300			P
7439-92-1	Lead	333			P
7439-95-4	Magnesium	4520			P
7439-96-5	Manganese	3640		E	P
7439-97-6	Mercury	0.14	J		CV
7440-02-0	Nickel	24.7			P
7440-09-7	Potassium	337	J	E	P
7782-49-2	Selenium	2.7	J	N	P
7440-22-4	Silver	1.5	U		P
7440-23-5	Sodium	1080			P
7440-28-0	Thallium	3.7	U	N	P
7440-62-2	Vanadium	57.0			P
7440-66-6	Zinc	7350			P
57-12-5	Cyanide	0.12	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M7

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-20

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 78.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7070			P
7440-36-0	Antimony	22.2			P
7440-38-2	Arsenic	14.9			P
7440-39-3	Barium	191			P
7440-41-7	Beryllium	0.76			P
7440-43-9	Cadmium	6.0			P
7440-70-2	Calcium	14400			P
7440-47-3	Chromium	31.9			P
7440-48-4	Cobalt	136			P
7440-50-8	Copper	1710			P
7439-89-6	Iron	107000			P
7439-92-1	Lead	401			P
7439-95-4	Magnesium	3210			P
7439-96-5	Manganese	809		E	P
7439-97-6	Mercury	0.11	J		CV
7440-02-0	Nickel	439			P
7440-09-7	Potassium	1250		E	P
7782-49-2	Selenium	9.5		N	P
7440-22-4	Silver	4.9			P
7440-23-5	Sodium	7320			P
7440-28-0	Thallium	3.2	U	N	P
7440-62-2	Vanadium	29.9			P
7440-66-6	Zinc	70600		D	P
57-12-5	Cyanide	0.11	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M8

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-21

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 69.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8940			P
7440-36-0	Antimony	7.7	J		P
7440-38-2	Arsenic	13.2			P
7440-39-3	Barium	224			P
7440-41-7	Beryllium	0.72	J		P
7440-43-9	Cadmium	14.3			P
7440-70-2	Calcium	4010			P
7440-47-3	Chromium	15.3			P
7440-48-4	Cobalt	23.2			P
7440-50-8	Copper	144			P
7439-89-6	Iron	23200			P
7439-92-1	Lead	769			P
7439-95-4	Magnesium	1750			P
7439-96-5	Manganese	3100		E	P
7439-97-6	Mercury	0.13	J		CV
7440-02-0	Nickel	48.0			P
7440-09-7	Potassium	608	J	E	P
7782-49-2	Selenium	1.7	J	N	P
7440-22-4	Silver	0.51	J		P
7440-23-5	Sodium	2000			P
7440-28-0	Thallium	3.6	U	N	P
7440-62-2	Vanadium	39.2			P
7440-66-6	Zinc	13400			P
57-12-5	Cyanide	0.38	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00M9

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Lab Sample ID: T2592-22

Level: (low/med) LOW Date Received: 04/28/2005

% Solids: 81.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4020			P
7440-36-0	Antimony	7.4	U		P
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	62.8			P
7440-41-7	Beryllium	0.37	J		P
7440-43-9	Cadmium	5.8			P
7440-70-2	Calcium	5110			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	34.7			P
7439-89-6	Iron	10100			P
7439-92-1	Lead	121			P
7439-95-4	Magnesium	2970			P
7439-96-5	Manganese	575		E	P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	11.8			P
7440-09-7	Potassium	292	J	E	P
7782-49-2	Selenium	4.3	U	N	P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	807			P
7440-28-0	Thallium	3.1	U	N	P
7440-62-2	Vanadium	17.3			P
7440-66-6	Zinc	5300			P
57-12-5	Cyanide	0.10	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	200.000	U	34.000	J	46.500	J	99.000	J	10.10	J	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	6.00	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	20.00	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.50	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	0.50	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.00	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	5.00	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	2.50	U	P
Iron	100.000	U	100.000	U	100.000	U	100.000	U	10.00	U	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.00	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	1.50	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.10	U	CV
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	4.00	U	P
Potassium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.00	U	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	3.50	U	P
Silver	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.00	U	P
Thallium	25.000	U	25.000	U	25.000	U	25.000	U	2.50	U	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	5.00	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	6.00	U	P
Cyanide	10.000	U	3.120	J	10.000	U	10.000	U	0.04	J	AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			80.000	J	125.000	J	200.000	U			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			10.000	U	7.000	J	10.000	U			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			5000.000	U	5000.000	U	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron			100.000	U	30.000	J	100.000	U			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Mercury			0.200	U	0.200	U					CV
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			5000.000	U	5000.000	U	5000.000	U			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Thallium			25.000	U	25.000	U	25.000	U			P
Vanadium			50.000	U	4.500	J	50.000	U			P
Zinc			22.000	J	11.500	J	60.000	U			P
Cyanide			10.000	U	10.000	U	1.180	J			AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			200.000	U	200.000	U	200.000	U			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			10.000	U	8.000	J	10.000	U			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			5000.000	U	5000.000	U	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron			100.000	U	100.000	U	100.000	U			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Mercury											NR
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			5000.000	U	5000.000	U	5000.000	U			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Thallium			25.000	U	25.000	U	25.000	U			P
Vanadium			50.000	U	50.000	U	50.000	U			P
Zinc			60.000	U	60.000	U	60.000	U			P
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			29.000	J	200.000	U					P
Antimony			60.000	U	60.000	U					P
Arsenic			10.000	U	10.000	U					P
Barium			200.000	U	200.000	U					P
Beryllium			5.000	U	5.000	U					P
Cadmium			5.000	U	5.000	U					P
Calcium			5000.000	U	5000.000	U					P
Chromium			10.000	U	10.000	U					P
Cobalt			50.000	U	50.000	U					P
Copper			25.000	U	25.000	U					P
Iron			100.000	U	100.000	U					P
Lead			10.000	U	10.000	U					P
Magnesium			5000.000	U	5000.000	U					P
Manganese			15.000	U	15.000	U					P
Mercury											NR
Nickel			40.000	U	40.000	U					P
Potassium			5000.000	U	5000.000	U					P
Selenium			35.000	U	35.000	U					P
Silver			10.000	U	10.000	U					P
Sodium			5000.000	U	5000.000	U					P
Thallium			25.000	U	25.000	U					P
Vanadium			50.000	U	50.000	U					P
Zinc			60.000	U	60.000	U					P
Cyanide											NR

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME00L3S

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 89.5

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony		361.6760		355.3073		22.35	28		P
Arsenic		126.8715		124.3575		8.94	28		P
Barium	75-125	678.9385		285.8101		446.93	88		P
Beryllium	75-125	9.8324		0.5587		11.17	83		P
Cadmium	75-125	8.6592		0.5587	U	11.17	78		P
Calcium									NR
Chromium	75-125	56.5922		18.7151		44.69	85		P
Cobalt	75-125	192.4581		102.9609		111.73	80		P
Copper		3087.3743		3194.1341		55.87	-191		P
Iron									NR
Lead		35886.7039		36492.5140		4.47	-13553		P
Magnesium									NR
Manganese		5077.4860		5195.6425		111.73	-106		P
Mercury	75-125	2.1547		1.5620		0.56	106		CV
Nickel	75-125	123.5196		30.1676		111.73	84		P
Potassium									NR
Selenium	75-125	18.9944		10.8939		11.17	73	N	P
Silver		87.4860		80.0000		11.17	67		P
Sodium									NR
Thallium	75-125	2.7933	U	2.7933	U	11.17	0	N	P
Vanadium	75-125	150.6704		53.8547		111.73	87		P
Zinc		25638.4358		25942.7933		111.73	-272		P
Cyanide	75-125	4.5911		0.1939	J	5.59	79		AS

Comments:

USEPA - CLP

5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME00L3A

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) 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									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Nickel									NR
Potassium									NR
Selenium		87.50		97.50		200.0	-5		P
Silver									NR
Sodium									NR
Thallium		25.00	U	25.00	U	50.0	0		P
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

ME00L3D

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 89.5 % Solids for Duplicate: 89.1

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4492.7374		4445.6983		1		P
Antimony		355.3073		325.8659		9		P
Arsenic		124.3575		115.4190		7		P
Barium		285.8101		273.4637		4		P
Beryllium	0.6	0.5587		0.5587		0		P
Cadmium		0.5587	U	0.5587	U			P
Calcium	558.7	1055.6425		1291.1732		20		P
Chromium		18.7151		18.7709		0		P
Cobalt		102.9609		89.3296		14		P
Copper		3194.1341		2783.5754		14		P
Iron		116965.6983		106504.8045		9		P
Lead		36492.5140		34114.6369		7		P
Magnesium		492.2905	J	476.7598	J	3		P
Manganese		5195.6425		4563.0726		13		P
Mercury		1.5620		1.4330		9		CV
Nickel		30.1676		25.5307		17		P
Potassium	558.7	1365.6425		1230.0000		10		P
Selenium	3.9	10.8939		10.3911		5		P
Silver		80.0000		72.6816		10		P
Sodium		4318.7709		4005.0279		8		P
Thallium		2.7933	U	2.7933	U			P
Vanadium		53.8547		54.8603		2		P
Zinc		25942.7933		22591.7318		14		P
Cyanide		0.1939	J	0.1899	J	2		AS

USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME00L3L

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Matrix: (soil/water) Soil Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	40210.00		39545.00		2		P
Antimony	3180.00		3330.00		5		P
Arsenic	1113.00		1152.50		4		P
Barium	2558.00		2565.00		0		P
Beryllium	5.00		5.00	J	0		P
Cadmium	5.00	U	25.00	U			P
Calcium	9448.00		10012.70	J	6		P
Chromium	167.50		175.00		4		P
Cobalt	921.50		952.50		3		P
Copper	28587.50		27962.50		2		P
Iron	1046843.00		1086045.00		4		P
Lead	81652.00		83972.50		3		P
Magnesium	4406.00	J	4612.50	J	5		P
Manganese	46501.00		56135.00		21	E	P
Nickel	270.00		292.50		8		P
Potassium	12222.50		9140.00	J	25	E	P
Selenium	97.50		107.50	J	10		P
Silver	716.00		727.50		2		P
Sodium	38653.00		42197.50		9		P
Thallium	25.00	U	125.00	U			P
Vanadium	482.00		505.00		5		P
Zinc	58047.00		64725.00		12	E	P

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Instrument Type: AS Instrument ID: CN Date: 09/22/2004

Preparation Method: DS2

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury		0.1	
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide	578.00	2.5	0.020

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Instrument Type: AS Instrument ID: CN Date: 09/22/2004

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	0.90

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: CS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury	253.70	0.1	0.044
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury	253.70	0.2	0.044
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Instrument Type: P Instrument ID: P2 Date: 04/15/2005

Preparation Method: HS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	20	2.0
Antimony	206.80	6	1.6
Arsenic	189.00	1	0.35
Barium	493.40	20	0.15
Beryllium	313.00	0.5	0.030
Cadmium	226.50	0.5	0.15
Calcium	317.90	500	4.9
Chromium	267.70	1	0.18
Cobalt	228.60	5	0.16
Copper	324.70	2.5	0.53
Iron	271.40	10	3.2
Lead	220.40	1	0.28
Magnesium	279.00	500	4.7
Manganese	257.60	1.5	0.12
Mercury		0.1	
Nickel	231.60	4	0.28
Potassium	766.50	500	11.7
Selenium	196.00	3.5	0.90
Silver	328.00	1	0.32
Sodium	330.20	500	88.3
Thallium	190.90	2.5	0.89
Vanadium	292.40	5	0.20
Zinc	206.20	6	0.30
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Instrument Type: P Instrument ID: P2 Date: 04/08/2005

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	16.4
Antimony	206.80	60	9.8
Arsenic	189.00	10	3.7
Barium	493.40	200	2.9
Beryllium	313.00	5	0.50
Cadmium	226.50	5	1.7
Calcium	317.90	5000	39.5
Chromium	267.70	10	2.3
Cobalt	228.60	50	2.9
Copper	324.70	25	4.4
Iron	271.40	100	19.9
Lead	220.40	10	3.9
Magnesium	279.00	5000	46.8
Manganese	257.60	15	1.2
Mercury		0.2	
Nickel	231.60	40	4.4
Potassium	766.50	5000	101
Selenium	196.00	35	6.1
Silver	328.00	10	3.1
Sodium	330.20	5000	381
Thallium	190.90	25	10.9
Vanadium	292.40	50	2.3
Zinc	206.20	60	4.7
Cyanide		10	

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	05/03/2005		100
CCV	05/03/2005		100
CRI	05/03/2005		100
ICB	05/03/2005		100
ICV	05/03/2005		100
LCSS	05/03/2005	0.20	100
ME00L0	05/03/2005	0.20	100
ME00L1	05/03/2005	0.20	100
ME00L2	05/03/2005	0.21	100
ME00L3	05/03/2005	0.20	100
ME00L3D	05/03/2005	0.20	100
ME00L3S	05/03/2005	0.20	100
ME00L4	05/03/2005	0.20	100
ME00L5	05/03/2005	0.20	100
ME00L6	05/03/2005	0.21	100
ME00L7	05/03/2005	0.21	100
ME00L8	05/03/2005	0.20	100
ME00L9	05/03/2005	0.20	100
ME00M0	05/03/2005	0.20	100
ME00M1	05/03/2005	0.20	100
ME00M2	05/03/2005	0.20	100
ME00M3	05/03/2005	0.20	100
ME00M4	05/03/2005	0.20	100
ME00M5	05/03/2005	0.20	100
ME00M6	05/03/2005	0.20	100
ME00M7	05/03/2005	0.20	100
ME00M8	05/03/2005	0.20	100
ME00M9	05/03/2005	0.20	100
PBS	05/03/2005	0.20	100
S0	05/03/2005		100
S0.2	05/03/2005		100
S1.0	05/03/2005		100
S5.0	05/03/2005		100

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Method: DS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	05/03/2005		50
LCSS	05/03/2005	1.00	50
ME00L0	05/03/2005	1.00	50
ME00L1	05/03/2005	1.00	50
ME00L2	05/03/2005	1.00	50
ME00L3	05/03/2005	1.00	50
ME00L3D	05/03/2005	1.00	50
ME00L3S	05/03/2005	1.00	50
ME00L4	05/03/2005	1.00	50
ME00L5	05/03/2005	1.00	50
ME00L6	05/03/2005	1.00	50
ME00L7	05/03/2005	1.00	50
ME00L8	05/03/2005	1.00	50
ME00L9	05/03/2005	1.00	50
ME00M0	05/03/2005	1.00	50
ME00M1	05/03/2005	1.00	50
ME00M2	05/03/2005	1.00	50
ME00M3	05/03/2005	1.00	50
ME00M4	05/03/2005	1.00	50
ME00M5	05/03/2005	1.00	50
ME00M6	05/03/2005	1.00	50
ME00M7	05/03/2005	1.00	50
ME00M8	05/03/2005	1.00	50
ME00M9	05/03/2005	1.00	50
MIDRANGE	05/03/2005		50
PBS	05/03/2005	1.00	50

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00L0

Preparation Method: HS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	05/02/2005	1.00	100
ME00L0	05/02/2005	1.01	100
ME00L1	05/02/2005	1.02	100
ME00L2	05/02/2005	1.00	100
ME00L3	05/02/2005	1.00	100
ME00L3D	05/02/2005	1.00	100
ME00L3S	05/02/2005	1.00	100
ME00L4	05/02/2005	1.00	100
ME00L5	05/02/2005	1.01	100
ME00L6	05/02/2005	1.01	100
ME00L7	05/02/2005	1.02	100
ME00L8	05/02/2005	1.01	100
ME00L9	05/02/2005	1.00	100
ME00M0	05/02/2005	1.00	100
ME00M1	05/02/2005	1.00	100
ME00M2	05/02/2005	1.00	100
ME00M3	05/02/2005	1.02	100
ME00M4	05/02/2005	1.02	100
ME00M5	05/02/2005	1.01	100
ME00M6	05/02/2005	1.00	100
ME00M7	05/02/2005	1.00	100
ME00M8	05/02/2005	1.00	100
ME00M9	05/02/2005	1.00	100
PBS	05/02/2005	1.00	100

DATE: May 25, 2005

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Eagle Zinc Co., IL

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
34138	ChemTech	20	ME00N0	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

Sent By: Michelle Davis, Secretary - ESAT Region 5 / ALION Science & Technology

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: May 24, 2005

SUBJECT: Review of Data
Received for Review on May 19, 2005

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Eagle Zinc Co.

CASE NUMBER: 34138 SDG NUMBER: ME00N0

Number and Type of Samples: 20 soils

Sample Numbers: ME00N0-9; ME00P0-9

Laboratory: Chemtech Hrs. for Review: 2

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00N0
Laboratory: Chemtech

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Twenty soil samples numbered ME00N0-9 and ME00P0-9 were collected on April 26-28, 2005. The lab received the samples on April 28 and 29, 2005 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM05.3 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT
Date: May 24, 2005

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00N0
Laboratory: Chemtech

1. HOLDING TIME:

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 4

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9, ME00P9D, ME00P9S

2. CALIBRATIONS:

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 1

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Calibrations **Protocol: INORG**

No defects found.

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 2

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CRDL/CRQL Standard **Protocol: INORG**

No defects found.

3. BLANKS:

Date: 5/19/2005 | Wincadre 3.1.3.2 | Page: 7

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Blanks **Protocol: INORG**

DC-15 The following inorganic samples are associated with an ICB concentration which is less than or equal to the CRQL. Detected sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Assembled By: ESAT
Date: May 24, 2005

Cyanide
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

DC-18 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Potassium
ME00N0, ME00N1, ME00N2

Silver
ME00N2

Cyanide
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

DC-19 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is greater than the CRQL. Use professional judgement to qualify data.

Aluminum
ME00N0, ME00N1, ME00N2

Calcium
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Iron
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Magnesium
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2

Manganese
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Silver
ME00N0, ME00N1

Vanadium
ME00N0, ME00N1, ME00N2

Zinc
ME00N3, ME00N4, ME00N6, ME00N8, ME00N9, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P9

Assembled By: ESAT
Date: May 24, 2005

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00N0
Laboratory: Chemtech

[illegible] The following inorganic samples are associated with an ICB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Aluminum
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Antimony
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Arsenic
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Iron
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Nickel
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Potassium
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

DC-22 The following inorganic samples are associated with a CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Arsenic
ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 9

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Control Sample **Protocol: INORG**

No defects found.

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 10

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Q [illegible]ation: Matrix Spikes **Protocol: INORG**

Assembled By: ESAT
Date: May 24, 2005

No defects found.

5. LABORATORY AND FIELD DUPLICATE

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 3

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Duplicates **Protocol: INORG**

DC-4 The following inorganic samples are not qualified for duplicates due to missing information. Hits and non-detects are not flagged.

Iron

ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

6. ICP ANALYSIS

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 5

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Interference Check Sample **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L that may cause potential interference. Use professional judgement to qualify sample data.

ME00N0
Zinc

ME00N1
Zinc

ME00N2
Zinc

ME00N4
Potassium, Sodium, Zinc

ME00N5
Zinc

ME00N6
Zinc

ME00N7
Manganese, Zinc

ME00P0
Zinc

ME00P1

Zinc

ME00P2
Zinc

ME00P3
Manganese

ME00P5
Manganese

ME00P6
Zinc

ME00P7
Zinc

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 6

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

ME00P8
Lead, Zinc

ME00P9
Zinc

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICS solution. Use professional judgement to qualify sample data.

ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P5, ME00P7, ME00P8, ME00P9

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 13

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Serial Dilution **Protocol: INORG**

DC-3 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The detected serial dilution result is less than the initial sample result. Hits are qualified "J" and non-detects are qualified "UJ".

Antimony
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Arsenic
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

Potassium
ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

Cadmium

ME00N0, ME00N1, ME00N2, ME00N3, ME00N4, ME00N5, ME00N6, ME00N7, ME00N8, ME00N9, ME00P0, ME00P1, ME00P2, ME00P3, ME00P4, ME00P5, ME00P6, ME00P7, ME00P8, ME00P9

7. GFAA ANALYSIS

8. SAMPLE RESULTS

Date: 5/19/2005 Wincadre 3.1.3.2 Page: 11

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Sample Result Verification **Protocol: INORG**

DC-5 The following inorganic samples have analyte concentrations reported below the quantitation limit (CRQL). All results below the CRQL are qualified"J".

ME00N0

Antimony, Beryllium, Mercury, Potassium, Selenium, Sodium, Cyanide

ME00N1

Antimony, Beryllium, Mercury, Potassium, Selenium, Sodium, Cyanide

ME00N2

Beryllium, Mercury, Potassium, Selenium, Silver, Sodium, Cyanide

ME00N3

Beryllium, Cobalt, Mercury, Selenium, Sodium, Cyanide

ME00N4

Selenium, Silver, Cyanide

ME00N5

Mercury, Selenium, Silver, Sodium, Cyanide

ME00N6

Beryllium, Potassium, Selenium, Silver, Sodium, Cyanide

ME00N7

Beryllium, Mercury, Selenium, Silver, Sodium, Cyanide

ME00N8

Beryllium, Cobalt, Mercury, Selenium, Sodium, Cyanide

ME00N9

Cobalt, Mercury, Selenium, Sodium, Cyanide

ME00P0

Selenium, Sodium, Cyanide

ME00P1

Mercury, Potassium, Selenium, Sodium, Cyanide

ME00P2

Beryllium, Mercury, Potassium, Selenium, Sodium, Cyanide

Case Number : 34138
Site Name: Eagle Zinc

SDG Number: ME00N0
Laboratory: Chemtech

ME00P3
Antimony, Cadmium, Mercury, Selenium, Silver, Sodium

ME00P4
Beryllium, Cobalt, Mercury, Potassium, Selenium, Sodium, Cyanide

Data Review Results

Lab ID: CHEM	Case No.: 34138	Method: ILM05	Flag :NFG
File Name: ME00N0	SDG No.: ME00N0	Criteria: ILM05	Defects: ILM05DEFECT

ME00P5
Beryllium, Mercury, Potassium, Selenium, Silver, Sodium, Cyanide

ME00P6
Beryllium, Mercury, Selenium, Silver, Sodium, Cyanide

ME00P7
Antimony, Selenium, Silver, Sodium, Cyanide

ME00P8
Selenium, Sodium, Cyanide

ME00P9
Beryllium, Selenium, Silver, Sodium, Thallium, Cyanide

ME00P9D
Beryllium, Selenium, Silver, Sodium, Thallium, Cyanide

All data, except those qualified above, are acceptable.

Assembled By: ESAT
Date: May 24, 2005

ILM05.3 Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Analytical Results (Qualified Data)

Case #: 34138 SDG : ME00N0
Site EAGLE ZINC CO
Lab. CHEM
Reviewer
Date

Number of Soil Samples : 20
Number of Water Samples : 0

Sample Number :	ME00N0		ME00N1		ME00N2		ME00N3		ME00N4	
Sampling Location :	X203		X204		X202		X111		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units .	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/27/2005		4/27/2005		4/27/2005	
Time Sampled :	18:40		18:40		08:50		09:30		09:50	
%Solids :	60.6		61.8		69.5		72.6		78.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	7720		8130		4090		5890		9170	
ANTIMONY	5.1	J	7.3	J	21.9	J	8.2	UJ	7.5	UJ
ARSENIC	7.2	J	8.3	J	6.3	J	6.8	J	16.3	J
BARIUM	137		154		80.3		119		354	
BERYLLIUM	0.49	J	0.48	J	0.27	J	0.50	J	2.7	
CADMIUM	15.9		14.2		13.2		3.5		11.6	
CALCIUM	3860		3420		922		3570		13000	
CHROMIUM	13.1		13.6		13.3		9.1		12.5	
COBALT	17.2		20.1		7.6		5.7	J	7.1	
COPPER	203		238		297		26.3		124	
IRON	12900		14200		6670		11700		50500	
LEAD	383		439		630		164		417	
MAGNESIUM	1660		1740		744		1360		2480	
MANGANESE	406		448		179		456		680	
MERCURY	0.12	J	0.096	J	0.13	J	0.085	J	0.13	U
'ICKEL	67.6		76.4		144		9.7		18.4	
'OTASSIUM	485	UJ	507	UJ	288	UJ	908	J	1340	J
SELENIUM	1.1	J	0.98	J	0.75	J	0.76	J	1.7	J
SILVER	1.8		1.7		1.3	UJ	1.4	U	1.1	J
SODIUM	127	J	129	J	132	J	72.4	J	1800	
THALLIUM	4.1	U	4.0	U	3.5	U	3.4	U	3.1	U
VANADIUM	19.4		19.9		10.1		16.9		45.1	
ZINC	29100		31300		26600		1080		4080	
CYANIDE	0.29	UJ	0.24	UJ	0.070	UJ	0.23	UJ	0.15	UJ

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Analytical Results (Qualified Data)

Case #: 34138 SDG : ME00N0
Site : EAGLE ZINC CO.
Lab : CHEM
Reviewer :
Date :

Sample Number :	ME00N5		ME00N6		ME00N7		ME00N8		ME00N9	
Sampling Location :	X110		X107		X104		X106		X108	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/27/2005		4/27/2005		4/27/2005		4/27/2005		4/27/2005	
Time Sampled :	10:10		10:50		11:40		12:00		12:30	
%Solids :	84.6		77.7		85.1		68.7		80.3	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	6040		5210		8110		8230		10400	
ANTIMONY	7.0	UJ	7.7	UJ	7.1	UJ	8.7	UJ	7.5	UJ
ARSENIC	9.1	J	8.8	J	9.7	J	9.1	J	6.8	J
BARIUM	122		105		188		119		178	
BERYLLIUM	0.67		0.48	J	0.52	J	0.49	J	0.62	
CADMIUM	2.8		5.4		9.7		1.5		1.7	
CALCIUM	62900		2060		50500		6320		7200	
CHROMIUM	12.4		10.3		11.3		11.6		14.6	
COBALT	8.1		10.1		11.5		6.5	J	5.0	J
COPPER	146		178		86.5		19.1		18.6	
IRON	25800		15900		16600		14700		13200	
LEAD	267		155		46.4		53.0		50.0	
MAGNESIUM	2440		908		1990		1980		1600	
MANGANESE	728		958		1380		798		229	
MERCURY	0.078	J	0.13	U	0.087	J	0.12	J	0.11	J
NICKEL	15.5		12.4		12.2		11.4		8.6	
POTASSIUM	740	J	479	J	1080	J	880	J	1210	J
SELENIUM	1.4	J	1.2	J	1.1	J	1.0	J	0.93	J
SILVER	0.46	J	0.50	J	0.30	J	1.5	U	1.2	U
SODIUM	328	J	84.1	J	95.7	J	75.0	J	102	J
THALLIUM	2.9	U	3.2	U	2.9	U	3.6	U	3.1	U
VANADIUM	23.1		23.1		26.2		24.0		26.2	
ZINC	9440		7610		8870		872		463	
CYANIDE	0.21	UJ	0.20	UJ	0.29	UJ	0.34	UJ	0.15	UJ

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Analytical Results (Qualified Data)

Case # 34138 SDG : ME00N0
Site EAGLE ZINC CO.
Lab CHEM
Reviewer
Date :

Sample Number	ME00P0		ME00P1		ME00P2		ME00P3		ME00P4	
Sampling Location	X114		X115		X105		X116		X201	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled	4/27/2005		4/27/2005		4/27/2005		4/27/2005		4/27/2005	
Time Sampled	12:50		14:10		14:10		14:50		15:20	
%Solids	82.3		87.1		86.7		75.2		37.3	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	7330		5200		4770		7510		9140	
ANTIMONY	7.2	UJ	6.8	UJ	6.8	UJ	1.4	J	16.1	UJ
ARSENIC	7.6	J	11.6	J	9.2	J	8.8	J	7.1	J
BARIUM	235		130		110		189		169	
BERYLLIUM	0.66		0.61		0.55	J	0.78		0.57	J
CADMIUM	6.5		34.6		29.2		0.53	J	1.4	
CALCIUM	12300		2270		2500		30300		8210	
CHROMIUM	10.0		8.7		7.4		11.8		14.5	
COBALT	9.0		8.0		7.3		9.2		5.8	J
COPPER	139		219		241		13.3		95.5	
IRON	15600		22800		19100		14000		11300	
LEAD	287		469		408		27.1		45.6	
MAGNESIUM	1600		1050		1030		1770		2620	
MANGANESE	500		396		408		1500		1040	
MERCURY	0.12	U	0.072	J	0.093	J	0.071	J	0.20	J
NICKEL	14.8		13.1		12.3		15.1		11.7	
POTASSIUM	769	J	403	J	390	J	785	J	590	J
SELENIUM	0.59	J	1.7	J	1.5	J	0.94	J	1.9	J
SILVER	1.6		2.3		2.6		0.71	J	2.7	U
SODIUM	231	J	144	J	185	J	77.2	J	519	J
THALLIUM	3.0	U	2.8	U	2.8	U	3.3	U	6.7	U
VANADIUM	22.0		25.5		20.1		24.0		21.6	
ZINC	18200		22400		19200		397		1080	
CYANIDE	0.15	UJ	0.040	UJ	0.070	UJ	3.3	U	0.33	UJ

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Analytical Results (Qualified Data)

Case #: 34138 SDG : ME00N0
Site : EAGLE ZINC CO.
Lab : CHEM
Reviewer
Date :

Sample Number :	ME00P5		ME00P6		ME00P7		ME00P8		ME00P9	
Sampling Location :	X118		X109		X125		X124		X123	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/27/2005		4/27/2005		4/27/2005		4/27/2005		4/27/2005	
Time Sampled :	15:50		17:20		17:40		18:00		18.50	
%Solids :	79.8		77.0		73.2		84.4		81.3	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	6720		6850		6780		6280		5010	
ANTIMONY	7.5	UJ	7.6	UJ	1.9	J	8.6	J	11.2	J
ARSENIC	8.9	J	5.5	J	22.1	J	20.6	J	15.5	J
BARIUM	113		98.2		358		259		137	
BERYLLIUM	0.51	J	0.43	J	0.98		0.89		0.39	J
CADMIUM	0.97		1.5		6.7		12.8		19.2	
CALCIUM	9720		1620		13900		5980		6800	
CHROMIUM	11.6		10.5		15.8		15.4		25.5	
COBALT	10.6		6.5		7.6		10.9		7.7	
COPPER	10.8		15.3		62.8		375		163	
IRON	14000		10300		20300		38500		64800	
LEAD	34.4		45.8		218		2450		534	
MAGNESIUM	1460		1270		2470		1520		921	
MANGANESE	1380		679		781		437		1050	
MERCURY	0.060	J	0.064	J	0.20		0.13		0.66	
NICKEL	10.1		10.4		13.1		24.3		31.0	
POTASSIUM	557	J	787	J	1050	J	873	J	695	J
SELENIUM	0.79	J	0.72	J	1.3	J	1.8	J	1.7	J
SILVER	0.42	J	0.26	J	0.82	J	1.2		1.1	J
SODIUM	76.4	J	59.4	J	257	J	231	J	105	J
THALLIUM	3.1	U	3.2	U	3.3	U	3.0	U	2.6	J
VANADIUM	25.7		17.5		28.5		31.2		21.9	
ZINC	595		1300		2830		13200		2220	
CYANIDE	0.21	UJ	0.15	UJ	0.52	UJ	0.25	UJ	0.48	UJ

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Analytical Results (Qualified Data)

Case #. 34138 SDG : ME00N0
Site : EAGLE ZINC CO.
Lab : CHEM
Reviewer :
Date :

Sample Number :	ME00P9D		ME00P9S							
Sampling Location :	X123		X123							
Matrix :	Soil		Soil							
Units :	mg/Kg		mg/Kg							
Date Sampled :	4/27/2005		4/27/2005							
Time Sampled :	18:50		18:50							
%Solids :	81.0		81.3							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	6510									
ANTIMONY	16.5		33.8							
ARSENIC	15.8		27.4							
BARIUM	144		714							
BERYLLIUM	0.52	J	13.1							
CADMIUM	15.0		31.5							
CALCIUM	6090									
CHROMIUM	28.2		81.7							
COBALT	9.2		136							
COPPER	201		219							
IRON	60400									
LEAD	574		488							
MAGNESIUM	1140									
MANGANESE	978		1490							
MERCURY	0.69		1.2							
NICKEL	33.5		172							
POTASSIUM	854									
SELENIUM	1.9	J	15.2							
SILVER	0.96	J	13.3							
SODIUM	123	J								
THALLIUM	2.9	J	14.0							
VANADIUM	25.9		155							
ZINC	2470		2250							
CYANIDE	0.49	J	5.7							

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No:
SDG No: ME00N0

L

Date Shipped:	4/28/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024062
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Sampler Signature: [signature]

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	4/29/05 / 1100	Zusair Ali	4/29/05 10:15
2				
3				
4				

For Lab Use Only

Lab Contract No:	68W02068
Unit Price:	$68.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00P2	Soil/Sediment/ Jerry Willman	L/C	TM (21)	5-217649 (Ice Only) (1)	X105	S: 4/27/2005	14:10		
ME00P3	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-217650 (Ice Only) (1)	X116	S: 4/27/2005	14:50		
ME00P4	Sediment/ Jerry Willman	L/G	TM (21)	5-218174 (Ice Only) (1)	X201	S: 4/27/2005	15:20	E00P4	
ME00P5	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218176 (Ice Only) (1)	X118	S: 4/27/2005	15:50		
ME00P6	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218177 (Ice Only) (1)	X109	S: 4/27/2005	17:20		
ME00P7	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218178 (Ice Only) (1)	X125	S: 4/27/2005	17:40		
ME00P8	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218179 (Ice Only) (1)	X124	S: 4/27/2005	18:00		
ME00P9	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218180 (Ice Only) (1)	X123	S: 4/27/2005	18:50		
ME00Q0	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218181 (Ice Only) (1)	X122	S: 4/27/2005	19:20		
ME00Q1	Soil/Sediment/ Jerry Willman	L/C	TM (21)	5-218182 (Ice Only) (1)	X120	S: 4/28/2005	8:40		

(ME00Q0 & ME00Q1 w/ SDG# ME00Q0)

Shipment for Case Complete? ~~N~~ Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: 82746
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes / Shipment Iced? Yes

TM = CLP TAL Total Metals

TR Number: 5-314975591-042805-0002

PR provides prelir v results. Requests for preliminary results will increase analytical costs.
Send Copy to: S e Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone , 64-9348 Fax 703/264-9222

LABORATORY COPY

MAY 1 9 2005

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # ME00N0
CASE # 34138
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #T2595

A. Number of Samples and Date of Receipt

20 Soil Samples were delivered to the laboratory intact on 04/28/05 and 05/29/05.

B. Parameters

Test requested for Total Metals and Cyanide.

C. Cooler Temp

Indicator Bottle: Presence/Absence
Cooler: 4°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

The analysis indicated on the TR/COC was TM/CN/Hg however, the TR/COC indicated TM only. Please advise.

E. Corrective Action taken for above:

Per Region 5, please analyze the samples as scheduled (TM/HG/CN) and note the issue in the SDG Narrative.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.3

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

MAY 1 9 2005

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements. Duplicate sample did met requirements except for Few Elements. Serial Dilution did met requirements except for the Cadmium.

I certify that the 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 hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____ Name: Parveen Hasan

Date 5/18/05 Title: EPA QA/QC OFFICER

MAY 1 9 2005

USEPA - CLP

COVER PAGE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
ME00N0	T2595-01
ME00N1	T2595-02
ME00N2	T2595-03
ME00N3	T2595-04
ME00N4	T2595-05
ME00N5	T2595-06
ME00N6	T2595-07
ME00N7	T2595-08
ME00N8	T2595-09
ME00N9	T2595-10
ME00P0	T2595-11
ME00P1	T2595-12
ME00P2	T2595-13
ME00P3	T2595-14
ME00P4	T2595-15
ME00P5	T2595-16
ME00P6	T2595-17
ME00P7	T2595-18
ME00P8	T2595-19
ME00P9	T2595-20
ME00P9D	T2595-21
ME00P9S	T2595-22

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	

Comments:

The "E" qualifiers on Form I and VIII for the Cadmium indicate chemical or physical interference effects, which were suspected during that element's analyses only.

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 diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: PARVEEN HASAN

Date: 5/18/05 Title: EPA QA/QC OFFICER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00N2

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-03

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 69.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4090		*	P
7440-36-0	Antimony	21.9			P
7440-38-2	Arsenic	6.3			P
7440-39-3	Barium	80.3			P
7440-41-7	Beryllium	0.27	J		P
7440-43-9	Cadmium	13.2		*E	P
7440-70-2	Calcium	922			P
7440-47-3	Chromium	13.3			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	297		*	P
7439-89-6	Iron	6670			P
7439-92-1	Lead	630			P
7439-95-4	Magnesium	744			P
7439-96-5	Manganese	179			P
7439-97-6	Mercury	0.13	J		CV
7440-02-0	Nickel	144			P
7440-09-7	Potassium	288	J		P
7782-49-2	Selenium	0.75	J		P
7440-22-4	Silver	1.3	J		P
7440-23-5	Sodium	132	J		P
7440-28-0	Thallium	3.5	U		P
7440-62-2	Vanadium	10.1			P
7440-66-6	Zinc	26600		D	P
57-12-5	Cyanide	0.07	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00N3

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-04

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 72.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5890		*	P
7440-36-0	Antimony	8.2	U		P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	119			P
7440-41-7	Beryllium	0.50	J		P
7440-43-9	Cadmium	3.5		*E	P
7440-70-2	Calcium	3570			P
7440-47-3	Chromium	9.1			P
7440-48-4	Cobalt	5.7	J		P
7440-50-8	Copper	26.3		*	P
7439-89-6	Iron	11700			P
7439-92-1	Lead	164			P
7439-95-4	Magnesium	1360			P
7439-96-5	Manganese	456			P
7439-97-6	Mercury	0.09	J		CV
7440-02-0	Nickel	9.7			P
7440-09-7	Potassium	908			P
7782-49-2	Selenium	0.76	J		P
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium	72.4	J		P
7440-28-0	Thallium	3.4	U		P
7440-62-2	Vanadium	16.9			P
7440-66-6	Zinc	1080			P
57-12-5	Cyanide	0.23	J		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA - CLP

IA-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00N4

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-05

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 78.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9170		*	P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	16.3			P
7440-39-3	Barium	354			P
7440-41-7	Beryllium	2.7			P
7440-43-9	Cadmium	1.6		*E	P
7440-70-2	Calcium	13000			P
7440-47-3	Chromium	12.5			P
7440-48-4	Cobalt	7.1			P
7440-50-8	Copper	124		*	P
7439-89-6	Iron	50500			P
7439-92-1	Lead	417			P
7439-95-4	Magnesium	2480			P
7439-96-5	Manganese	680			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	18.4			P
7440-09-7	Potassium	1340			P
7782-49-2	Selenium	1.7	J		P
7440-22-4	Silver	1.1	J		P
7440-23-5	Sodium	1800			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	45.1			P
7440-66-6	Zinc	4080			P
57-12-5	Cyanide	0.15	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00N5

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-06

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 84.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6040		*	P
7440-36-0	Antimony	7.0	U		P
7440-38-2	Arsenic	9.1			P
7440-39-3	Barium	122			P
7440-41-7	Beryllium	0.67			P
7440-43-9	Cadmium	2.8		*E	P
7440-70-2	Calcium	62900			P
7440-47-3	Chromium	12.4			P
7440-48-4	Cobalt	8.1			P
7440-50-8	Copper	146		*	P
7439-89-6	Iron	25800			P
7439-92-1	Lead	267			P
7439-95-4	Magnesium	2440			P
7439-96-5	Manganese	728			P
7439-97-6	Mercury	0.08	J		CV
7440-02-0	Nickel	15.5			P
7440-09-7	Potassium	740			P
7782-49-2	Selenium	1.4	J		P
7440-22-4	Silver	0.46	J		P
7440-23-5	Sodium	328	J		P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	23.1			P
7440-66-6	Zinc	9440		D	P
57-12-5	Cyanide	0.21	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00N8

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-09

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 68.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8230		*	P
7440-36-0	Antimony	8.7	U		P
7440-38-2	Arsenic	9.1			P
7440-39-3	Barium	119			P
7440-41-7	Beryllium	0.49	J		P
7440-43-9	Cadmium	1.5		*E	P
7440-70-2	Calcium	6320			P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	6.5	J		P
7440-50-8	Copper	19.1		*	P
7439-89-6	Iron	14700			P
7439-92-1	Lead	53.0			P
7439-95-4	Magnesium	1980			P
7439-96-5	Manganese	798			P
7439-97-6	Mercury	0.12	J		CV
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	880			P
7782-49-2	Selenium	1.0	J		P
7440-22-4	Silver	1.5	U		P
7440-23-5	Sodium	75.0	J		P
7440-28-0	Thallium	3.6	U		P
7440-62-2	Vanadium	24.0			P
7440-66-6	Zinc	872			P
57-12-5	Cyanide	0.34	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00N9

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-10

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400		*	P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	178			P
7440-41-7	Beryllium	0.62	J		P
7440-43-9	Cadmium	1.7		*E	P
7440-70-2	Calcium	7200			P
7440-47-3	Chromium	14.6			P
7440-48-4	Cobalt	5.0	J		P
7440-50-8	Copper	18.6		*	P
7439-89-6	Iron	13200			P
7439-92-1	Lead	50.0			P
7439-95-4	Magnesium	1600			P
7439-96-5	Manganese	229			P
7439-97-6	Mercury	0.11	J		CV
7440-02-0	Nickel	8.6			P
7440-09-7	Potassium	1210			P
7782-49-2	Selenium	0.93	J		P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	102	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	26.2			P
7440-66-6	Zinc	463			P
57-12-5	Cyanide	0.15	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

IA-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P0

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-11

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 82.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7330		*	P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	7.6			P
7440-39-3	Barium	235			P
7440-41-7	Beryllium	0.66			P
7440-43-9	Cadmium	6.5		*E	P
7440-70-2	Calcium	12300			P
7440-47-3	Chromium	10			P
7440-48-4	Cobalt	9.0			P
7440-50-8	Copper	139		*	P
7439-89-6	Iron	15600			P
7439-92-1	Lead	287			P
7439-95-4	Magnesium	1600			P
7439-96-5	Manganese	500			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	14.8			P
7440-09-7	Potassium	769			P
7782-49-2	Selenium	0.59	J		P
7440-22-4	Silver	1.6			P
7440-23-5	Sodium	231	J		P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	22.0			P
7440-66-6	Zinc	18200		D	P
57-12-5	Cyanide	0.15	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P1

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-12

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 87.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5200		*	P
7440-36-0	Antimony	6.8	U		P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	130			P
7440-41-7	Beryllium	0.61			P
7440-43-9	Cadmium	34.6		*E	P
7440-70-2	Calcium	2270			P
7440-47-3	Chromium	8.7			P
7440-48-4	Cobalt	8.0			P
7440-50-8	Copper	219		*	P
7439-89-6	Iron	22800			P
7439-92-1	Lead	469			P
7439-95-4	Magnesium	1050			P
7439-96-5	Manganese	396			P
7439-97-6	Mercury	0.07	J		CV
7440-02-0	Nickel	13.1			P
7440-09-7	Potassium	403	J		P
7782-49-2	Selenium	1.7	J		P
7440-22-4	Silver	2.3			P
7440-23-5	Sodium	144	J		P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	25.5			P
7440-66-6	Zinc	22400		D	P
57-12-5	Cyanide	0.04	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P2

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-13

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 86.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4770		*	P
7440-36-0	Antimony	6.8	U		P
7440-38-2	Arsenic	9.2			P
7440-39-3	Barium	110			P
7440-41-7	Beryllium	0.55	J		P
7440-43-9	Cadmium	29.2		*E	P
7440-70-2	Calcium	2500			P
7440-47-3	Chromium	7.4			P
7440-48-4	Cobalt	7.3			P
7440-50-8	Copper	241		*	P
7439-89-6	Iron	19100			P
7439-92-1	Lead	408			P
7439-95-4	Magnesium	1030			P
7439-96-5	Manganese	408			P
7439-97-6	Mercury	0.09	J		CV
7440-02-0	Nickel	12.3			P
7440-09-7	Potassium	390	J		P
7782-49-2	Selenium	1.5	J		P
7440-22-4	Silver	2.6			P
7440-23-5	Sodium	185	J		P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	20.1			P
7440-66-6	Zinc	19200		D	P
57-12-5	Cyanide	0.07	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P3

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-14

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 75.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7510		*	P
7440-36-0	Antimony	1.4	J		P
7440-38-2	Arsenic	8.8			P
7440-39-3	Barium	189			P
7440-41-7	Beryllium	0.78			P
7440-43-9	Cadmium	0.53	J	*E	P
7440-70-2	Calcium	30300			P
7440-47-3	Chromium	11.8			P
7440-48-4	Cobalt	9.2			P
7440-50-8	Copper	13.3		*	P
7439-89-6	Iron	14000			P
7439-92-1	Lead	27.1			P
7439-95-4	Magnesium	1770			P
7439-96-5	Manganese	1500			P
7439-97-6	Mercury	0.07	J		CV
7440-02-0	Nickel	15.1			P
7440-09-7	Potassium	785			P
7782-49-2	Selenium	0.94	J		P
7440-22-4	Silver	0.71	J		P
7440-23-5	Sodium	77.2	J		P
7440-28-0	Thallium	3.3	U		P
7440-62-2	Vanadium	24.0			P
7440-66-6	Zinc	397			P
57-12-5	Cyanide	3.3	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P4

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-15

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 37.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9140		*	P
7440-36-0	Antimony	16.1	U		P
7440-38-2	Arsenic	7.1			P
7440-39-3	Barium	169			P
7440-41-7	Beryllium	0.57	J		P
7440-43-9	Cadmium	1.4		*E	P
7440-70-2	Calcium	8210			P
7440-47-3	Chromium	14.5			P
7440-48-4	Cobalt	5.8	J		P
7440-50-8	Copper	95.5		*	P
7439-89-6	Iron	11300			P
7439-92-1	Lead	45.6			P
7439-95-4	Magnesium	2620			P
7439-96-5	Manganese	1040			P
7439-97-6	Mercury	0.20	J		CV
7440-02-0	Nickel	11.7			P
7440-09-7	Potassium	590	J		P
7782-49-2	Selenium	1.9	J		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	519	J		P
7440-28-0	Thallium	6.7	U		P
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	1080			P
57-12-5	Cyanide	0.33	J		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P5

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-16

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 79.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6720		*	P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	8.9			P
7440-39-3	Barium	113			P
7440-41-7	Beryllium	0.51	J		P
7440-43-9	Cadmium	0.97		*E	P
7440-70-2	Calcium	9720			P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	10.6			P
7440-50-8	Copper	10.8		*	P
7439-89-6	Iron	14000			P
7439-92-1	Lead	34.4			P
7439-95-4	Magnesium	1460			P
7439-96-5	Manganese	1380			P
7439-97-6	Mercury	0.06	J		CV
7440-02-0	Nickel	10.1			P
7440-09-7	Potassium	557	J		P
7782-49-2	Selenium	0.79	J		P
7440-22-4	Silver	0.42	J		P
7440-23-5	Sodium	76.4	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	25.7			P
7440-66-6	Zinc	595			P
57-12-5	Cyanide	0.21	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P6

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-17

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 77.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6850		*	P
7440-36-0	Antimony	7.6	U		P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	98.2			P
7440-41-7	Beryllium	0.43	J		P
7440-43-9	Cadmium	1.5		*E	P
7440-70-2	Calcium	1620			P
7440-47-3	Chromium	10.5			P
7440-48-4	Cobalt	6.5			P
7440-50-8	Copper	15.3		*	P
7439-89-6	Iron	10300			P
7439-92-1	Lead	45.8			P
7439-95-4	Magnesium	1270			P
7439-96-5	Manganese	679			P
7439-97-6	Mercury	0.06	J		CV
7440-02-0	Nickel	10.4			P
7440-09-7	Potassium	787			P
7782-49-2	Selenium	0.72	J		P
7440-22-4	Silver	0.26	J		P
7440-23-5	Sodium	59.4	J		P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	17.5			P
7440-66-6	Zinc	1300			P
57-12-5	Cyanide	0.15	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P7

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-18

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 73.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6780		*	P
7440-36-0	Antimony	1.9	J		P
7440-38-2	Arsenic	22.1			P
7440-39-3	Barium	358			P
7440-41-7	Beryllium	0.98			P
7440-43-9	Cadmium	6.7		*E	P
7440-70-2	Calcium	13900			P
7440-47-3	Chromium	15.8			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	62.8		*	P
7439-89-6	Iron	20300			P
7439-92-1	Lead	218			P
7439-95-4	Magnesium	2470			P
7439-96-5	Manganese	781			P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	13.1			P
7440-09-7	Potassium	1050			P
7782-49-2	Selenium	1.3	J		P
7440-22-4	Silver	0.82	J		P
7440-23-5	Sodium	257	J		P
7440-28-0	Thallium	3.3	U		P
7440-62-2	Vanadium	28.5			P
7440-66-6	Zinc	2830			P
57-12-5	Cyanide	0.52	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P8

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-19

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 84.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6280		*	P
7440-36-0	Antimony	8.6			P
7440-38-2	Arsenic	20.6			P
7440-39-3	Barium	259			P
7440-41-7	Beryllium	0.89			P
7440-43-9	Cadmium	12.8		*E	P
7440-70-2	Calcium	5980			P
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	10.9			P
7440-50-8	Copper	375		*	P
7439-89-6	Iron	38500			P
7439-92-1	Lead	2450			P
7439-95-4	Magnesium	1520			P
7439-96-5	Manganese	437			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	24.3			P
7440-09-7	Potassium	873			P
7782-49-2	Selenium	1.8	J		P
7440-22-4	Silver	1.2			P
7440-23-5	Sodium	231	J		P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	31.2			P
7440-66-6	Zinc	13200		D	P
57-12-5	Cyanide	0.25	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00P9

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: SDG No.: ME00N0

Matrix: (soil/water) SOIL Lab Sample ID: T2595-20

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 81.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5010		*	P
7440-36-0	Antimony	11.2			P
7440-38-2	Arsenic	15.5			P
7440-39-3	Barium	137			P
7440-41-7	Beryllium	0.39	J		P
7440-43-9	Cadmium	19.2		*E	P
7440-70-2	Calcium	6800			P
7440-47-3	Chromium	25.5			P
7440-48-4	Cobalt	7.7			P
7440-50-8	Copper	163		*	P
7439-89-6	Iron	64800		D	P
7439-92-1	Lead	534			P
7439-95-4	Magnesium	921			P
7439-96-5	Manganese	1050			P
7439-97-6	Mercury	0.66			CV
7440-02-0	Nickel	31.0			P
7440-09-7	Potassium	695			P
7782-49-2	Selenium	1.7	J		P
7440-22-4	Silver	1.1	J		P
7440-23-5	Sodium	105	J		P
7440-28-0	Thallium	2.6	J		P
7440-62-2	Vanadium	21.9			P
7440-66-6	Zinc	2220			P
57-12-5	Cyanide	0.48	J		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	-16.985	J	200.000	U	19.420	J	200.000	U	20.00	U	P
Antimony	-9.385	J	60.000	U	60.000	U	60.000	U	6.00	U	P
Arsenic	-5.095	J	3.545	J	10.000	U	10.000	U	1.00	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	20.00	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.50	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	0.50	U	P
Calcium	5000.000	U	5000.000	U	13.195	J	13.910	J	500.00	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	5.00	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	2.50	U	P
Iron	-40.040	J	100.000	U	43.880	J	100.000	U	1.52	J	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	15.295	J	500.00	U	P
Manganese	15.000	U	15.000	U	0.640	J	15.000	U	1.50	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.10	U	CV
Nickel	-2.270	J	40.000	U	40.000	U	40.000	U	4.00	U	P
Potassium	-140.335	J	5000.000	U	82.595	J	5000.000	U	500.00	U	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	3.50	U	P
Silver	10.000	U	10.000	U	1.550	J	10.000	U	1.00	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.00	U	P
Thallium	25.000	U	25.000	U	25.000	U	10.655	J	2.50	U	P
Vanadium	50.000	U	50.000	U	1.250	J	50.000	U	0.11	J	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	0.44	J	P
Cyanide	1.060	J	1.700	J	1.070	J	10.000	U	0.06	J	AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			200.000	U	200.000	U	200.000	U			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			-4.025	J	10.000	U	-3.215	J			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			15.200	J	13.115	J	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron			23.025	J	20.710	J	20.080	J			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			0.790	J	15.000	U	15.000	U			P
Mercury	0.200	U	0.200	U	0.200	U					CV
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			5000.000	U	5000.000	U	5000.000	U			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	1.770	J			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Thallium			25.000	U	25.000	U	25.000	U			P
Vanadium			50.000	U	50.000	U	50.000	U			P
Zinc			24.500	J	60.000	U	60.000	U			P
Cyanide			10.000	U	0.970	J	0.990	J			AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			19.050	J	200.000	U					P
Antimony			60.000	U	60.000	U					P
Arsenic			-4.010	J	10.000	U					P
Barium			200.000	U	200.000	U					P
Beryllium			5.000	U	5.000	U					P
Cadmium			5.000	U	5.000	U					P
Calcium			11.475	J	19.670	J					P
Chromium			10.000	U	10.000	U					P
Cobalt			50.000	U	50.000	U					P
Copper			25.000	U	25.000	U					P
Iron			30.710	J	20.485	J					P
Lead			10.000	U	10.000	U					P
Magnesium			5000.000	U	24.810	J					P
Manganese			15.000	U	15.000	U					P
Mercury											NR
Nickel			40.000	U	40.000	U					P
Potassium			5000.000	U	5000.000	U					P
Selenium			35.000	U	35.000	U					P
Silver			10.000	U	1.980	J					P
Sodium			5000.000	U	5000.000	U					P
Thallium			25.000	U	8.715	J					P
Vanadium			50.000	U	1.475	J					P
Zinc			60.000	U	60.000	U					P
Cyanide			10.000	U							AS

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME00P9S

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 81.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	33.8407		11.2466		24.60	92		P
Arsenic	75-125	27.3672		15.4520		9.84	121		P
Barium	75-125	713.8807		136.6052		492.00	117		P
Beryllium	75-125	13.0677		0.3899	J	12.30	103		P
Cadmium	75-125	31.4871		19.2417		12.30	100		P
Calcium									NR
Chromium	75-125	81.7263		25.4699		49.20	114		P
Cobalt	75-125	135.9865		7.6759		123.00	104		P
Copper	75-125	218.8241		163.0800		61.50	91		P
Iron									NR
Lead		487.5615		534.1851		4.92	-948		P
Magnesium									NR
Manganese		1494.7663		1046.2958		123.00	365		P
Mercury	75-125	1.2472		0.6556		0.62	95		CV
Nickel	75-125	172.4323		30.9859		123.00	115		P
Potassium									NR
Selenium	75-125	15.1599		1.7251	J	12.30	109		P
Silver	75-125	13.2989		1.1095	J	12.30	99		P
Sodium									NR
Thallium	75-125	13.9859		2.5578	J	12.30	93		P
Vanadium	75-125	155.4643		21.8530		123.00	109		P
Zinc		2250.1279		2216.8364		123.00	27		P
Cyanide	75-125	5.7331		0.4797	J	6.15	85		AS

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

ME00P9D

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 81.3 % Solids for Duplicate: 81.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5009.1704		6507.2478		26	*	P
Antimony	7.4	11.2466		16.4994		38		P
Arsenic		15.4520		15.7915		2		P
Barium		136.6052		144.3499		6		P
Beryllium		0.3899	J	0.5160	J	28		P
Cadmium		19.2417		14.9723		25	*	P
Calcium		6800.2239		6094.1464		11		P
Chromium		25.4699		28.2411		10		P
Cobalt	6.2	7.6759		9.2109		18		P
Copper		163.0800		200.8456		21	*	P
Iron		64799.3050		60392.9410		7		P
Lead		534.1851		574.4490		7		P
Magnesium	615.0	920.5597		1144.9004		22		P
Manganese		1046.2958		977.8352		7		P
Mercury		0.6556		0.6857		4		CV
Nickel		30.9859		33.5295		8		P
Potassium	615.0	694.6427		853.6002		21		P
Selenium		1.7251	J	1.8733	J	8		P
Silver		1.1095	J	0.9631	J	14		P
Sodium		104.6328	J	123.4244	J	16		P
Thallium		2.5578	J	2.8635	J	11		P
Vanadium	6.2	21.8530		25.9459		17		P
Zinc		2216.8364		2465.3069		11		P
Cyanide		0.4797	J	0.4877	J	2		AS

USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME00P9L

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Matrix: (soil/water) Soil Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	40724.56		40568.08		0		P
Antimony	91.44		55.03	J	40		P
Arsenic	125.63		100.35		20		P
Barium	1110.60		1095.10		1		P
Beryllium	3.17	J	3.05	J	4		P
Cadmium	156.44		175.18		12	E	P
Calcium	55285.82		55815.43		1		P
Chromium	207.07		206.33		0		P
Cobalt	62.41		68.10	J	9		P
Copper	1325.84		1246.05		6		P
Iron	526820.00		533140.00		1		P
Lead	4342.93		4421.68		2		P
Magnesium	7484.15		7759.30	J	4		P
Manganese	8506.39		8633.68		1		P
Nickel	251.92		249.10		1		P
Potassium	5647.45		3929.45	J	30		P
Selenium	14.03	J	175.00	U	100		P
Silver	9.02	J	8.38	J	7		P
Sodium	850.67	J	821.23	J	3		P
Thallium	20.80	J	125.00	U	100		P
Vanadium	177.67		172.80	J	3		P
Zinc	18022.88		18504.53		3		P

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Instrument Type: AS Instrument ID: CN Date: 09/22/2004

Preparation Method: DS2

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury		0.1	
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide	578.00	2.5	0.020

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Instrument Type: AS Instrument ID: CN Date: 09/22/2004

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	0.90

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: CS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury	253.70	0.1	0.044
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury	253.70	0.2	0.044
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Instrument Type: P Instrument ID: P3 Date: 04/15/2005

Preparation Method: HS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	20	1.3
Antimony	206.80	6	0.69
Arsenic	189.00	1	0.34
Barium	493.40	20	0.11
Beryllium	313.00	0.5	0.040
Cadmium	226.50	0.5	0.090
Calcium	317.90	500	1.4
Chromium	267.70	1	0.14
Cobalt	228.60	5	0.14
Copper	324.70	2.5	0.45
Iron	271.40	10	1.1
Lead	220.30	1	0.17
Magnesium	279.00	500	1.5
Manganese	257.60	1.5	0.070
Mercury		0.1	
Nickel	231.60	4	0.12
Potassium	766.40	500	11.4
Selenium	196.00	3.5	0.30
Silver	328.00	1	0.16
Sodium	588.90	500	7.5
Thallium	190.80	2.5	0.76
Vanadium	292.40	5	0.080
Zinc	206.20	6	0.14
Cyanide		2.5	

Comments:

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9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Instrument Type: P Instrument ID: P3 Date: 04/15/2005

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	14.6
Antimony	206.80	60	9.2
Arsenic	189.00	10	3.1
Barium	493.40	200	1.7
Beryllium	313.00	5	0.31
Cadmium	226.50	5	0.89
Calcium	317.90	5000	10.4
Chromium	267.70	10	0.93
Cobalt	228.60	50	1.7
Copper	324.70	25	4.3
Iron	271.40	100	10.3
Lead	220.30	10	2.6
Magnesium	279.00	5000	14.1
Manganese	257.60	15	0.49
Mercury		0.2	
Nickel	231.60	40	1.1
Potassium	766.40	5000	75.5
Selenium	196.00	35	6.1
Silver	328.00	10	0.87
Sodium	588.90	5000	73.3
Thallium	190.80	25	8.6
Vanadium	292.40	50	1.1
Zinc	206.20	60	8.9
Cyanide		10	

Comments:

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12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	05/04/2005		100
CCV	05/04/2005		100
CRI	05/04/2005		100
ICB	05/04/2005		100
ICV	05/04/2005		100
LCSS	05/04/2005	0.20	100
ME00N0	05/04/2005	0.21	100
ME00N1	05/04/2005	0.21	100
ME00N2	05/04/2005	0.20	100
ME00N3	05/04/2005	0.20	100
ME00N4	05/04/2005	0.20	100
ME00N5	05/04/2005	0.20	100
ME00N6	05/04/2005	0.20	100
ME00N7	05/04/2005	0.20	100
ME00N8	05/04/2005	0.20	100
ME00N9	05/04/2005	0.21	100
ME00P0	05/04/2005	0.20	100
ME00P1	05/04/2005	0.20	100
ME00P2	05/04/2005	0.20	100
ME00P3	05/04/2005	0.20	100
ME00P4	05/04/2005	0.20	100
ME00P5	05/04/2005	0.20	100
ME00P6	05/04/2005	0.20	100
ME00P7	05/04/2005	0.20	100
ME00P8	05/04/2005	0.20	100
ME00P9	05/04/2005	0.20	100
ME00P9D	05/04/2005	0.20	100
ME00P9S	05/04/2005	0.20	100
PBS	05/04/2005	0.20	100
S0	05/04/2005		100
S0.2	05/04/2005		100
S1.0	05/04/2005		100
S5.0	05/04/2005		100

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Preparation Method: DS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	05/04/2005		50
LCSS	05/04/2005	1.00	50
ME00N0	05/04/2005	1.00	50
ME00N1	05/04/2005	1.00	50
ME00N2	05/04/2005	1.00	50
ME00N3	05/04/2005	1.00	50
ME00N4	05/04/2005	1.00	50
ME00N5	05/04/2005	1.00	50
ME00N6	05/04/2005	1.00	50
ME00N7	05/04/2005	1.00	50
ME00N8	05/04/2005	1.00	50
ME00N9	05/04/2005	1.00	50
ME00P0	05/04/2005	1.00	50
ME00P1	05/04/2005	1.00	50
ME00P2	05/04/2005	1.00	50
ME00P3	05/04/2005	1.00	50
ME00P4	05/04/2005	1.00	50
ME00P5	05/04/2005	1.00	50
ME00P6	05/04/2005	1.00	50
ME00P7	05/04/2005	1.00	50
ME00P8	05/04/2005	1.00	50
ME00P9	05/04/2005	1.00	50
ME00P9D	05/04/2005	1.00	50
ME00P9S	05/04/2005	1.00	50
MIDRANGE	05/04/2005		50
PBS	05/04/2005	1.00	50

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00N0

Preparation Method: HS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	05/02/2005	1.00	100
ME00N0	05/02/2005	1.00	100
ME00N1	05/02/2005	1.00	100
ME00N2	05/02/2005	1.02	100
ME00N3	05/02/2005	1.01	100
ME00N4	05/02/2005	1.02	100
ME00N5	05/02/2005	1.02	100
ME00N6	05/02/2005	1.00	100
ME00N7	05/02/2005	1.00	100
ME00N8	05/02/2005	1.00	100
ME00N9	05/02/2005	1.00	100
ME00P0	05/02/2005	1.01	100
ME00P1	05/02/2005	1.02	100
ME00P2	05/02/2005	1.02	100
ME00P3	05/02/2005	1.01	100
ME00P4	05/02/2005	1.00	100
ME00P5	05/02/2005	1.00	100
ME00P6	05/02/2005	1.02	100
ME00P7	05/02/2005	1.02	100
ME00P8	05/02/2005	1.00	100
ME00P9	05/02/2005	1.00	100
ME00P9D	05/02/2005	1.00	100
ME00P9S	05/02/2005	1.00	100
PBS	05/02/2005	1.00	100

DATE: May 25, 2005

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Eagle Zinc Co., IL

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
34138	ChemTech	5	ME00Q0	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

Sent By: Michelle Davis, Secretary - ESAT Region 5 / ALION Science & Technology

ILM05.3 Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Analytical Results (Qualified Data)

Case #: 34138 SDG : ME00Q0
Site : EAGLE ZINC CO.
Lab : CHEM
Reviewer :
Date :

Number of Soil Samples : 5
Number of Water Samples 0

Sample Number :	ME00Q0		ME00Q1		ME00Q2		ME00Q3		ME00Q4	
Sampling Location :	X122		X120		X121		X126		X119	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/27/2005		4/28/2005		4/28/2005		4/28/2005		4/28/2005	
Time Sampled :	19:20		08:40		08:40		09:00		09:40	
%Solids :	73.3		79.3		79.3		67.9		61.4	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	7010		10500		8800		6930		4870	
ANTIMONY	1.2	J	7.5	U	7.4	U	8.7	U	9.8	U
ARSENIC	9.0	J	11.0	J	9.8	J	8.0	J	5.5	J
BARIUM	252		204		135		130		193	
BERYLLIUM	0.64	J	0.60	J	0.51	J	0.52	J	0.65	J
CADMIUM	2.1		1.3		0.45	J	1.4		9.1	
CALCIUM	5770		4500		52600		5230		6190	
CHROMIUM	13.1		14.9		12.6		10.5		9.1	
COBALT	12.0		8.8		8.4		4.4	J	10.7	
COPPER	21.0		17.3		15.0		16.9		57.8	
IRON	13600		19100		16300		11900		10300	
LEAD	213	J	48.8	J	37.9	J	79.2	J	273	J
MAGNESIUM	1360		3140		2230		1320		926	
MANGANESE	1260	J	667	J	781	J	427	J	353	J
MERCURY	0.076	J	0.12	J	0.11	J	0.065	UJ	0.51	J
NICKEL	12.3		15.0		12.6		9.1		19.6	
POTASSIUM	942	J	1080	J	1080	J	537	UJ	464	UJ
SELENIUM	1.5	J	0.98	J	0.96	J	1.7	J	2.0	J
SILVER	0.56	UJ	0.21	UJ	1.2	U	0.34	UJ	0.82	UJ
SODIUM	106	J	109	J	130	J	103	J	92.3	J
THALLIUM	3.4	U	3.1	U	3.1	U	3.6	U	4.1	U
VANADIUM	23.7		30.9		30.9		23.3		15.9	
ZINC	1260		461		264		906		6030	
CYANIDE	1.4	J	0.19	J	0.21	J	0.030	UJ	0.25	J

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case # 34138 SDG : ME00Q0
Site EAGLE ZINC CO.
Lab. . CHEM
Reviewer
Date :

Sample Number .	ME00Q4D		ME00Q4S							
Sampling Location :	X119		X119							
Matrix :	Soil		Soil							
Units .	mg/Kg		mg/Kg							
Date Sampled :	4/28/2005		4/28/2005							
Time Sampled :	09:40		09:40							
%Solids :	62.2		61.4							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	5120									
ANTIMONY	9.8	U	34.5							
ARSENIC	5.0		19.4							
BARIUM	187		929							
BERYLLIUM	0.61	J	18.3							
CADMIUM	8.4		26.9							
CALCIUM	5090									
CHROMIUM	10.3		81.1							
COBALT	6.7	J	190							
COPPER	55.2		144							
IRON	9860									
LEAD	191		258							
MAGNESIUM	999									
MANGANESE	201		509							
MERCURY	0.095	J	1.2							
NICKEL	17.3		201							
POTASSIUM	751	J								
SELENIUM	1.9	J	19.5							
SILVER	0.90	J	17.0							
SODIUM	105	J								
THALLIUM	4.1	U	19.0							
VANADIUM	17.0		193							
ZINC	5420		5960							
CYANIDE	0.26	J	6.9							

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No:
SDG No: ME00Q0

L

Date Shipped:	4/28/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024062
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By (Date / Time)	Received By (Date / Time)
1 [signature] 4/29/05 1100	Susan Alp 4/29/05 10:15
2	
3	
4	

For Lab Use Only

Lab Contract No: 68W02068
Unit Price: $68.00
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00P2	Soil/Sediment/ Jerry Willman	L/C	TM (21)	5-217649 (Ice Only) (1)	X105	S: 4/27/2005 14:10		
ME00P3	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-217650 (Ice Only) (1)	X116	S: 4/27/2005 14:50		
ME00P4	Sediment/ Jerry Willman	L/G	TM (21)	5-218174 (Ice Only) (1)	X201	S: 4/27/2005 15:20	E00P4	
ME00P5	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218176 (Ice Only) (1)	X118	S: 4/27/2005 15:50		
ME00P6	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218177 (Ice Only) (1)	X109	S: 4/27/2005 17:20		
ME00P7	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218178 (Ice Only) (1)	X125	S: 4/27/2005 17:40		
ME00P8	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218179 (Ice Only) (1)	X124	S: 4/27/2005 18:00		
ME00P9	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218180 (Ice Only) (1)	X123	S: 4/27/2005 18:50		
ME00Q0	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218181 (Ice Only) (1)	X122	S: 4/27/2005 19:20		
ME00Q1	Soil/Sediment/ Jerry Willman	L/C	TM (21)	5-218182 (Ice Only) (1)	X120	S: 4/28/2005 8:40		

Copy
Original Documents are included in CSF
Signature [signature] Date 4/29/05
ME00N0

(All Sample except ME00Q0 & ME00Q1 of ME00N0

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Y			4°C	82746

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? Y Shipment Iced? Y

TM = CLP TAL Total Metals

TR Number: 5-314975591-042805-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9346 Fax 703/264-9222

LABORATORY COPY

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No:
SDG No: ME00Q0

L

Date Shipped:	4/28/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024062
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Sampler Signature: [signature]

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	4/28/05/1100	ZUBAIR ALI	4/29/05 10.15
2				
3				
4				

For Lab Use Only

Lab Contract No:	68W02068
Unit Price:	$68.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00Q2	Soil/Sediment/ Jerry Willman	L/C	TM (21)	5-218183 (Ice Only) (1)	X121	S: 4/28/2005	8:40		
ME00Q3	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218184 (Ice Only) (1)	X126	S: 4/28/2005	9:00		
ME00Q4	Soil/Sediment/ Jerry Willman	L/G	TM (21)	5-218185 (Ice Only) (1)	X119	S: 4/28/2005	9:40		

Shipment for Case Complete? ~~N~~ Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: 82746
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes / Shipment Iced? Yes

X TM = CLP TAL Total Metals

TR Number: 5-314975591-042805-0002

PR provides preli y results. Requests for preliminary results will increase analytical costs.
Send Copy to. S e Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone . 264-9348 Fax 703/264-9222

LABORATORY COPY

MAY 1 9 2005

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # ME00Q0
CASE # 34138
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #T2593

A. Number of Samples and Date of Receipt

05 Soil Samples were delivered to the laboratory intact on 04/29/05.

B. Parameters

Test requested for Total Metals and Cyanide.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence
Cooler: 4°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

The analysis indicated on the TR/COC was TM/CN/Hg however, the TR/COC indicated TM only. Please advise.

E. Corrective Action taken for above:

Per Region 5, please analyze the samples as scheduled (TM/HG/CN) and note the issue in the SDG Narrative.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.3

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

MAY 1 9 2005

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements. Duplicate sample did met requirements except for Few Elements. Serial Dilution did met requirements except for the Zinc.

I certify that the 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 hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____ Name: Parveen Hasan

Date 5/18/05 Title: EPA QA/QC OFFICER

MAY 1 9 2005

USEPA - CLP

COVER PAGE

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
ME00Q0	T2593-01
ME00Q1	T2593-02
ME00Q2	T2593-03
ME00Q3	T2593-04
ME00Q4	T2593-05
ME00Q4D	T2593-06
ME00Q4S	T2593-07

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	

Comments:

The "E" qualifiers on Form I and VIII for Zinc indicate chemical or physical interference effects. which were suspected during that element's analyses only.

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 diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: PARVEEN HASAN

Date: 5/18/05 Title: EPA QA/QC OFFICER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00Q0

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Lab Sample ID: T2593-01

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 73.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7010			P
7440-36-0	Antimony	1.2	J		P
7440-38-2	Arsenic	9.0			P
7440-39-3	Barium	252			P
7440-41-7	Beryllium	0.64	J		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	5770			P
7440-47-3	Chromium	13.1			P
7440-48-4	Cobalt	12.0			P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	13600			P
7439-92-1	Lead	213		*	P
7439-95-4	Magnesium	1360			P
7439-96-5	Manganese	1260		*	P
7439-97-6	Mercury	0.08	J	*	CV
7440-02-0	Nickel	12.3			P
7440-09-7	Potassium	942			P
7782-49-2	Selenium	1.5	J		P
7440-22-4	Silver	0.56	J		P
7440-23-5	Sodium	106	J		P
7440-28-0	Thallium	3.4	U		P
7440-62-2	Vanadium	23.7			P
7440-66-6	Zinc	1260		E	P
57-12-5	Cyanide	1.4	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00Q1

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Lab Sample ID: T2593-02

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 79.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	11.0			P
7440-39-3	Barium	204			P
7440-41-7	Beryllium	0.60	J		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	4500			P
7440-47-3	Chromium	14.9			P
7440-48-4	Cobalt	8.8			P
7440-50-8	Copper	17.3			P
7439-89-6	Iron	19100			P
7439-92-1	Lead	48.8		*	P
7439-95-4	Magnesium	3140			P
7439-96-5	Manganese	667		*	P
7439-97-6	Mercury	0.12	J	*	CV
7440-02-0	Nickel	15.0			P
7440-09-7	Potassium	1080			P
7782-49-2	Selenium	0.98	J		P
7440-22-4	Silver	0.21	J		P
7440-23-5	Sodium	109	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	30.9			P
7440-66-6	Zinc	461		E	P
57-12-5	Cyanide	0.19	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00Q2

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Lab Sample ID: T2593-03

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 79.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8800			P
7440-36-0	Antimony	7.4	U		P
7440-38-2	Arsenic	9.8			P
7440-39-3	Barium	135			P
7440-41-7	Beryllium	0.51	J		P
7440-43-9	Cadmium	0.45	J		P
7440-70-2	Calcium	52600			P
7440-47-3	Chromium	12.6			P
7440-48-4	Cobalt	8.4			P
7440-50-8	Copper	15.0			P
7439-89-6	Iron	16300			P
7439-92-1	Lead	37.9		*	P
7439-95-4	Magnesium	2230			P
7439-96-5	Manganese	781		*	P
7439-97-6	Mercury	0.11	J	*	CV
7440-02-0	Nickel	12.6			P
7440-09-7	Potassium	1080			P
7782-49-2	Selenium	0.96	J		P
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	130	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	30.9			P
7440-66-6	Zinc	264		E	P
57-12-5	Cyanide	0.21	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00Q3

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Lab Sample ID: T2593-04

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 67.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6930			P
7440-36-0	Antimony	8.7	U		P
7440-38-2	Arsenic	8.0			P
7440-39-3	Barium	130			P
7440-41-7	Beryllium	0.52	J		P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	5230			P
7440-47-3	Chromium	10.5			P
7440-48-4	Cobalt	4.4	J		P
7440-50-8	Copper	16.9			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	79.2		*	P
7439-95-4	Magnesium	1320			P
7439-96-5	Manganese	427		*	P
7439-97-6	Mercury	0.07	J	*	CV
7440-02-0	Nickel	9.1			P
7440-09-7	Potassium	537	J		P
7782-49-2	Selenium	1.7	J		P
7440-22-4	Silver	0.34	J		P
7440-23-5	Sodium	103	J		P
7440-28-0	Thallium	3.6	U		P
7440-62-2	Vanadium	23.3			P
7440-66-6	Zinc	906		E	P
57-12-5	Cyanide	0.03	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00Q4

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Lab Sample ID: T2593-05

Level: (low/med) LOW Date Received: 04/29/2005

% Solids: 61.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4870			P
7440-36-0	Antimony	9.8	U		P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	193			P
7440-41-7	Beryllium	0.65	J		P
7440-43-9	Cadmium	9.1			P
7440-70-2	Calcium	6190			P
7440-47-3	Chromium	9.1			P
7440-48-4	Cobalt	10.7			P
7440-50-8	Copper	57.8			P
7439-89-6	Iron	10300			P
7439-92-1	Lead	273		*	P
7439-95-4	Magnesium	926			P
7439-96-5	Manganese	353		*	P
7439-97-6	Mercury	0.51		*	CV
7440-02-0	Nickel	19.6			P
7440-09-7	Potassium	464	J		P
7782-49-2	Selenium	2.0	J		P
7440-22-4	Silver	0.82	J		P
7440-23-5	Sodium	92.3	J		P
7440-28-0	Thallium	4.1	U		P
7440-62-2	Vanadium	15.9			P
7440-66-6	Zinc	6030		E	P
57-12-5	Cyanide	0.25	J		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	-16.985	J	200.000	U	19.420	J	200.000	U	20.00	U	P
Antimony	-9.385	J	60.000	U	60.000	U	60.000	U	6.00	U	P
Arsenic	-5.095	J	3.545	J	10.000	U	10.000	U	1.00	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	20.00	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.50	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	0.50	U	P
Calcium	5000.000	U	5000.000	U	13.195	J	13.910	J	500.00	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	5.00	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	2.50	U	P
Iron	-40.040	J	100.000	U	43.880	J	100.000	U	2.28	J	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	1.00	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	15.295	J	1.59	J	P
Manganese	15.000	U	15.000	U	0.640	J	15.000	U	1.50	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.10	U	CV
Nickel	-2.270	J	40.000	U	40.000	U	40.000	U	4.00	U	P
Potassium	-140.335	J	5000.000	U	82.595	J	5000.000	U	500.00	U	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	3.50	U	P
Silver	10.000	U	10.000	U	1.550	J	10.000	U	1.00	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.00	U	P
Thallium	25.000	U	25.000	U	25.000	U	10.655	J	2.50	U	P
Vanadium	50.000	U	50.000	U	1.250	J	50.000	U	5.00	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	6.00	U	P
Cyanide	10.000	U	3.120	J	10.000	U	10.000	U	0.02	J	AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			200.000	U	200.000	U	200.000	U			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			-4.025	J	10.000	U	-3.215	J			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			15.200	J	13.115	J	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron			23.025	J	20.710	J	20.080	J			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			0.790	J	15.000	U	15.000	U			P
Mercury			0.200	U	0.200	U					CV
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			5000.000	U	5000.000	U	5000.000	U			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	1.770	J			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Thallium			25.000	U	25.000	U	25.000	U			P
Vanadium			50.000	U	50.000	U	50.000	U			P
Zinc			24.500	J	60.000	U	60.000	U			P
Cyanide			10.000	U	10.000	U	1.180	J			AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			19.050	J	200.000	U					P
Antimony			60.000	U	60.000	U					P
Arsenic			-4.010	J	10.000	U					P
Barium			200.000	U	200.000	U					P
Beryllium			5.000	U	5.000	U					P
Cadmium			5.000	U	5.000	U					P
Calcium			11.475	J	19.670	J					P
Chromium			10.000	U	10.000	U					P
Cobalt			50.000	U	50.000	U					P
Copper			25.000	U	25.000	U					P
Iron			30.710	J	20.485	J					P
Lead			10.000	U	10.000	U					P
Magnesium			5000.000	U	24.810	J					P
Manganese			15.000	U	15.000	U					P
Mercury											NR
Nickel			40.000	U	40.000	U					P
Potassium			5000.000	U	5000.000	U					P
Selenium			35.000	U	35.000	U					P
Silver			10.000	U	1.980	J					P
Sodium			5000.000	U	5000.000	U					P
Thallium			25.000	U	8.715	J					P
Vanadium			50.000	U	1.475	J					P
Zinc			60.000	U	60.000	U					P
Cyanide											NR

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME00Q4S

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 61.4

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	34.4780		9.7720	U	32.57	106		P
Arsenic	75-125	19.4088		5.5220		13.03	107		P
Barium	75-125	928.7932		192.9967		651.47	113		P
Beryllium	75-125	18.3428		0.6466	J	16.29	109		P
Cadmium	75-125	26.9153		9.1148		16.29	109		P
Calcium									NR
Chromium	75-125	81.0847		9.0879		65.15	111		P
Cobalt	75-125	189.7761		10.7296		162.87	110		P
Copper	75-125	143.6767		57.7695		81.43	105		P
Iron									NR
Lead		258.0252		273.1042		6.51	-232		P
Magnesium									NR
Manganese	75-125	509.4609		352.7826		162.87	96		P
Mercury	75-125	1.1678		0.5073		0.81	82		CV
Nickel	75-125	200.7541		19.6417		162.87	111		P
Potassium									NR
Selenium	75-125	19.4674		2.0334	J	16.29	107		P
Silver	75-125	16.9935		0.8200	J	16.29	99		P
Sodium									NR
Thallium	75-125	18.9731		4.0717	U	16.29	116		P
Vanadium	75-125	193.3461		15.9145		162.87	109		P
Zinc		5961.2329		6033.5692		162.87	-44		P
Cyanide	75-125	6.9015		0.2533	J	8.14	82		AS

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

ME00Q4D

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 61.4 % Solids for Duplicate: 62.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4871.0757		5118.3241		5		P
Antimony		9.7720	U	9.7720	U			P
Arsenic	1.6	5.5220		4.9748		10		P
Barium		192.9967		187.3510		3		P
Beryllium		0.6466	J	0.6132	J	5		P
Cadmium		9.1148		8.4194		8		P
Calcium		6190.1678		5094.7134		19		P
Chromium		9.0879		10.3086		13		P
Cobalt	8.1	10.7296		6.6849	J	46		P
Copper		57.7695		55.2068		5		P
Iron		10273.8559		9858.7801		4		P
Lead		273.1042		190.9332		35	*	P
Magnesium	814.3	925.9511		998.5236		8		P
Manganese		352.7826		200.9902		55	*	P
Mercury	0.2	0.5073		0.0953	J	137	*	CV
Nickel	6.5	19.6417		17.2663		13		P
Potassium		464.4593	J	750.7663	J	47		P
Selenium		2.0334	J	1.8526	J	9		P
Silver		0.8200	J	0.9023	J	10		P
Sodium		92.2907	J	105.2761	J	13		P
Thallium		4.0717	U	4.0717	U			P
Vanadium	8.1	15.9145		16.9951		7		P
Zinc		6033.5692		5416.3502		11		P
Cyanide		0.2533	J	0.2590	J	2		AS

USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME00Q4L

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Matrix: (soil/water) Soil Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	29908.41		31772.08		6		P
Antimony	60.00	U	300.00	U			P
Arsenic	33.91		28.78	J	15		P
Barium	1185.00		1258.58		6		P
Beryllium	3.97	J	4.20	J	6		P
Cadmium	55.97		59.55		6		P
Calcium	38007.63		40825.70		7		P
Chromium	55.80		53.53		4		P
Cobalt	65.88		68.93	J	5		P
Copper	354.71		355.60		0		P
Iron	63081.48		67067.35		6		P
Lead	1676.86		1817.55		8		P
Magnesium	5685.34		6240.50	J	10		P
Manganese	2166.09		2343.53		8		P
Nickel	120.60		124.65	J	3		P
Potassium	2851.78	J	2039.30	J	28		P
Selenium	12.49	J	175.00	U	100		P
Silver	5.04	J	50.00	U	100		P
Sodium	566.67	J	565.95	J	0		P
Thallium	25.00	U	125.00	U			P
Vanadium	97.72		98.83	J	1		P
Zinc	37046.12		41410.15		12	E	P

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Instrument Type: AS Instrument ID: CN Date: 09/22/2004

Preparation Method: DS2

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury		0.1	
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide	578.00	2.5	0.020

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Instrument Type: AS Instrument ID: CN Date: 09/22/2004

Preparation Method: NPI

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	0.90

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: CSI

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury	253.70	0.1	0.044
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Instrument Type: CV Instrument ID: CV2 Date: 02/20/2005

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury	253.70	0.2	0.044
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Instrument Type: P Instrument ID: P3 Date: 04/15/2005

Preparation Method: HS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	20	1.3
Antimony	206.80	6	0.69
Arsenic	189.00	1	0.34
Barium	493.40	20	0.11
Beryllium	313.00	0.5	0.040
Cadmium	226.50	0.5	0.090
Calcium	317.90	500	1.4
Chromium	267.70	1	0.14
Cobalt	228.60	5	0.14
Copper	324.70	2.5	0.45
Iron	271.40	10	1.1
Lead	220.30	1	0.17
Magnesium	279.00	500	1.5
Manganese	257.60	1.5	0.070
Mercury		0.1	
Nickel	231.60	4	0.12
Potassium	766.40	500	11.4
Selenium	196.00	3.5	0.30
Silver	328.00	1	0.16
Sodium	588.90	500	7.5
Thallium	190.80	2.5	0.76
Vanadium	292.40	5	0.080
Zinc	206.20	6	0.14
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Instrument Type: P Instrument ID: P3 Date: 04/15/2005

Preparation Method: NPI

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	14.6
Antimony	206.80	60	9.2
Arsenic	189.00	10	3.1
Barium	493.40	200	1.7
Beryllium	313.00	5	0.31
Cadmium	226.50	5	0.89
Calcium	317.90	5000	10.4
Chromium	267.70	10	0.93
Cobalt	228.60	50	1.7
Copper	324.70	25	4.3
Iron	271.40	100	10.3
Lead	220.30	10	2.6
Magnesium	279.00	5000	14.1
Manganese	257.60	15	0.49
Mercury		0.2	
Nickel	231.60	40	1.1
Potassium	766.40	5000	75.5
Selenium	196.00	35	6.1
Silver	328.00	10	0.87
Sodium	588.90	5000	73.3
Thallium	190.80	25	8.6
Vanadium	292.40	50	1.1
Zinc	206.20	60	8.9
Cyanide		10	

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	05/03/2005		100
CCV	05/03/2005		100
CRI	05/03/2005		100
ICB	05/03/2005		100
ICV	05/03/2005		100
LCSS	05/03/2005	0.20	100
ME00Q0	05/03/2005	0.20	100
ME00Q1	05/03/2005	0.20	100
ME00Q2	05/03/2005	0.21	100
ME00Q3	05/03/2005	0.20	100
ME00Q4	05/03/2005	0.20	100
ME00Q4D	05/03/2005	0.20	100
ME00Q4S	05/03/2005	0.20	100
PBS	05/03/2005	0.20	100
S0	05/03/2005		100
S0.2	05/03/2005		100
S1.0	05/03/2005		100
S10.0	05/03/2005		100
S2.5	05/03/2005		100
S5.0	05/03/2005		100

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Preparation Method: DS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	05/03/2005		50
LCSS	05/03/2005	1.00	50
ME00Q0	05/03/2005	1.00	50
ME00Q1	05/03/2005	1.00	50
ME00Q2	05/03/2005	1.00	50
ME00Q3	05/03/2005	1.00	50
ME00Q4	05/03/2005	1.00	50
ME00Q4D	05/03/2005	1.00	50
ME00Q4S	05/03/2005	1.00	50
MIDRANGE	05/03/2005		50
PBS	05/03/2005	1.00	50

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 34138 NRAS No.: _____ SDG No.: ME00Q0

Preparation Method: HS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	05/02/2005	1.00	100
ME00Q0	05/02/2005	1.00	100
ME00Q1	05/02/2005	1.01	100
ME00Q2	05/02/2005	1.02	100
ME00Q3	05/02/2005	1.01	100
ME00Q4	05/02/2005	1.00	100
ME00Q4D	05/02/2005	1.00	100
ME00Q4S	05/02/2005	1.00	100
PBS	05/02/2005	1.00	100

RECEIVED
JUN 13 2005
IEPA-BOL-FSRS

BDATE: June 9, 2005

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Eagle Zinc Co. , IL

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
34138	A4 Scientific	20	E00L0	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

Sent By: James D Burden, Chemist ESAT Region 5 / ALION Science & Technology

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: **Electronic (Level 2) Review of Data**

Received for Review on: June 2, 2005

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: IEPA

The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.

SITE Name: Eagle Zinc Co. (IL)

Case Number: 34138 SDG Number: E00L0

Number and Type of Samples: 20 (soils)

Sample Numbers: E00L0 through E00L9, E00M0 through E00M6, E00M8, E00M9 and E00N0

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

162

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00L0
Laboratory: A4 Scientific

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Twenty (20) soil samples labeled E00L0 through E00L9, E00M0 through E00M6, E00M8, E00M9 and E00N0, were collected on April 18, 19, 25 and 26, 2005. The lab received the samples on April 28, 2005 in good condition. All samples were analyzed for only the semivolatile list of organic analytes. All samples were analyzed according to CLP SOW OLMO4.3.

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00L0
Laboratory: A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

Qualification: Calibrations **Protocol: BNA**

DC-8 The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

2, 4-Dinitrophenol
E00L0, E00L1, E00L2, E00L3, E00L3MS, E00L3MSD, E00L4, E00L5, E00L6, E00L7, E00L8, E00L9, E00M0, E00M1, E00M2, E00M3, E00M4, E00M5, E00M6, E00M8, E00M9, E00N0, SBLK3Z

DC-9 The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

2, 4-Dinitrophenol
E00L0, E00L1, E00L2, E00L3, E00L3MS, E00L3MSD, E00L4, E00L5, E00L6, E00L7, E00L8, E00L9, E00M0, E00M1, E00M2, E00M3, E00M4, E00M5, E00M6, E00M8, E00M9, E00N0, SBLK3Z

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2, 2-oxybis (1-Chloropropane), 4, 6-Dinitro-2-methylphenol
E00L0, E00L1, E00L2, E00L3, E00L3MS, E00L3MSD, E00L4, E00L5, E00L6, E00L7, E00L8, E00L9, E00M0, E00M1, E00M2, E00M3, E00M4, E00M5, E00M6, E00M8, E00M9, E00N0, SBLK3Z

Pentachlorophenol
E00M4

4. BLANKS

No defects found.

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No defects found.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No defects found.

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as trip blanks, field blanks or field duplicates. Results are not qualified based upon the results of the field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

Qualification: Detection Limit **Protocol: BNA**

DC-1 The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E00L0
2-Methylnaphthalene, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(a)pyrene, Benzo (g,h,i) perylene

E00L1
Fluoranthene, Pyrene, Chrysene, Benzo (b) fluoranthene

E00L6
Phenanthrene, Fluoranthene, Pyrene, Benzo (a) anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo (g,h,i) Perylene

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00L0
Laboratory: A4 Scientific

E00M2
Fluoranthene, Pyrene, Chrysene, Benzo (b) fluoranthene

E00M4
Benzo (b) fluoranthene, Benzo (g, h, i) perylene

E00M6
Benzo (g, h, i) perylene

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E00L0, E00L1, E00L2, E00L3, E00L3MS, E00L3MSD, E00L4, E00L5, E00L6, E00L7, E00L8, E00L9, E00M0, E00M1, E00M2, E00M3, E00M4, E00M5, E00M6, E00M8, E00M9, E00N0, SBLK3Z

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Analytical Results (Qualified Data)

Case # 34138 SDG . E00L0
Site EAGLE ZINC CO
Lab A4
Reviewer :
Date .

Number of Soil Samples 20
Number of Water Samples 0

Sample Number :	E00L0		E00L1		E00L2		E00L3		E00L3MS	
Sampling Location :	X301		X302		X303		X304		X304	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/25/2005		4/25/2005		4/25/2005		4/25/2005		4/25/2005	
Time Sampled :	15:20		15:40		16:00		16:10		16:10	
%Moisture	12		7		13		11		11	
pH .	6.6		6.5		6.8		6.4		6.4	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	370	U	360	U	380	U	370	U	370	U
PHENOL	370	U	360	U	380	U	370	U	1500	
BIS-(2-CHLOROETHYL)ETHER	370	U	360	U	380	U	370	U	370	U
2-CHLOROPHENOL	370	U	360	U	380	U	370	U	1400	
2-METHYLPHENOL	370	U	360	U	380	U	370	U	370	U
2,2'-OXYBIS(1- CHLOROPROPANE)	370	UJ	360	UJ	380	UJ	370	UJ	370	UJ
ACETOPHENONE	370	U	360	U	380	U	370	U	370	U
4-METHYLPHENOL	370	U	360	U	380	U	370	U	370	U
N-NITROSO-DI-N PROPYLAMINE	370	U	360	U	380	U	370	U	990	
HEXACHLOROETHANE	370	U	360	U	380	U	370	U	370	U
NITROBENZENE	370	U	360	U	380	U	370	U	370	U
ISOPHORONE	370	U	360	U	380	U	370	U	370	U
2-NITROPHENOL	370	U	360	U	380	U	370	U	370	U
2,4-DIMETHYLPHENOL	370	U	360	U	380	U	370	U	370	U
BIS(2-CHLOROETHOXY)METHANE	370	U	360	U	380	U	370	U	370	U
4-DICHLOROPHENOL	370	U	360	U	380	U	370	U	370	U
NAPHTHALENE	370	U	360	U	380	U	370	U	370	U
4-CHLOROANILINE	370	U	360	U	380	U	370	U	370	U
HEXACHLOROBUTADIENE	370	U	360	U	380	U	370	U	370	U
CAPROLACTAM	370	U	360	U	380	U	370	U	370	U
4-CHLORO-3-METHYLPHENOL	370	U	360	U	380	U	370	U	1500	
2-METHYLNAPHTHALENE	48	J	360	U	380	U	370	U	370	U
HEXACHLOROCYCLO-PENTADIENE	370	U	360	U	380	U	370	U	370	U
2,4,6-TRICHLOROPHENOL	370	U	360	U	380	U	370	U	370	U
2,4,5-TRICHLOROPHENOL	940	U	900	U	960	U	930	U	920	U
1,1'-BIPHENYL	370	U	360	U	380	U	370	U	370	U
2-CHLORONAPHTHALENE	370	U	360	U	380	U	370	U	370	U
2-NITROANILINE	940	U	900	U	960	U	930	U	920	U
DIMETHYLPHTHALATE	370	U	360	U	380	U	370	U	370	U
2,6-DINITROTOLUENE	370	U	360	U	380	U	370	U	370	U
ACENAPHTHYLENE	370	U	360	U	380	U	370	U	370	U
3-NITROANILINE	940	U	900	U	960	U	930	U	920	U
ACENAPHTHENE	370	U	360	U	380	U	370	U	950	

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Analytical Results (Qualified Data)

Case # 34138 SDG : E00L0
Site EAGLE ZINC CO.
Lab. A4
Reviewer
Date

Sample Number :	E00L0		E00L1		E00L2		E00L3		E00L3MS	
Sampling Location	X301		X302		X303		X304		X304	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/25/2005		4/25/2005		4/25/2005		4/25/2005		4/25/2005	
Time Sampled	15:20		15:40		16:00		16:10		16:10	
%Moisture	12		7		13		11		11	
pH	6.6		6.5		6.8		6.4		6.4	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	940	R	900	R	960	R	930	R	920	R
4-NITROPHENOL	940	U	900	U	960	U	930	U	1700	
DIBENZOFURAN	370	U	360	U	380	U	370	U	370	U
2,4-DINITROTOLUENE	370	U	360	U	380	U	370	U	1000	
DIETHYLPHTHALATE	370	U	360	U	380	U	370	U	370	U
FLUORENE	370	U	360	U	380	U	370	U	370	U
4-CHLOROPHENYL-PHENYL ETHER	370	U	360	U	380	U	370	U	370	U
4-NITROANILINE	940	U	900	U	960	U	930	U	920	U
4,6-DINITRO-2-METHYLPHENOL	940	UJ	900	UJ	960	UJ	930	UJ	920	UJ
N-NITROSO DIPHENYLAMINE	370	U	360	U	380	U	370	U	370	U
4-BROMOPHENYL-PHENYLETHER	370	U	360	U	380	U	370	U	370	U
HEXACHLOROBENZENE	370	U	360	U	380	U	370	U	370	U
ATRAZINE	370	U	360	U	380	U	370	U	370	U
PENTACHLOROPHENOL	940	U	900	U	960	U	930	U	1800	
PHENANTHRENE	61	J	360	U	380	U	370	U	370	U
ANTHRACENE	370	U	360	U	380	U	370	U	370	U
CARBAZOLE	370	U	360	U	380	U	370	U	370	U
DI-N-BUTYLPHTHALATE	370	U	360	U	380	U	370	U	370	U
FLUORANTHENE	120	J	71	J	380	U	370	U	370	U
PYRENE	100	J	54	J	380	U	370	U	730	
BUTYLBENZYLPHTHALATE	370	U	360	U	380	U	370	U	370	U
3,3'-DICHLOROBENZIDINE	370	U	360	U	380	U	370	U	370	U
BENZO(A)ANTHRACENE	51	J	360	U	380	U	370	U	370	U
CHRYSENE	110	J	40	J	380	U	370	U	370	U
BIS(2-ETHYLHEXYL)PHTHALATE	370	U	360	U	380	U	370	U	370	U
DI-N-OCTYLPHTHALATE	370	U	360	U	380	U	370	U	370	U
BENZO(B)FLUORANTHENE	110	J	41	J	380	U	370	U	370	U
BENZO(K)FLUORANTHENE	370	U	360	U	380	U	370	U	370	U
BENZO(A)PYRENE	43	J	360	U	380	U	370	U	370	U
INDENO(1,2,3-CD)-PYRENE	370	U	360	U	380	U	370	U	370	U
DIBENZO(A,H)-ANTHRACENE	370	U	360	U	380	U	370	U	370	U
BENZO(G,H,I)PERYLENE	55	J	360	U	380	U	370	U	370	U

Analytical Results (Qualified Data)

Case # 34138 SDG . E00L0
Site . EAGLE ZINC CO
Lab A4
Reviewer
Date

Sample Number :	E00L3MSD		E00L4		E00L5		E00L6		E00L7	
Sampling Location .	X304		X305		X306		X307		X308	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled .	4/25/2005		4/25/2005		4/18/2005		4/25/2005		4/18/2005	
Time Sampled	16:10		16:30		17:20		17:40		18:15	
%Moisture	11		10		11		17		14	
pH :	6.4		6.4		6.8		5.9		5.8	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	370	U	360	U	370	U	400	U	380	U
PHENOL	1400		360	U	370	U	400	U	380	U
BIS-(2-CHLOROETHYL)ETHER	370	U	360	U	370	U	400	U	380	U
2-CHLOROPHENOL	1400		360	U	370	U	400	U	380	U
2-METHYLPHENOL	370	U	360	U	370	U	400	U	380	U
2,2'-OXYBIS(1- CHLOROPROPANE)	370	UJ	360	UJ	370	UJ	400	UJ	380	UJ
ACETOPHENONE	370	U	360	U	370	U	400	U	380	U
4-METHYLPHENOL	370	U	360	U	370	U	400	U	380	U
N-NITROSO-DI-N PROPYLAMINE	970		360	U	370	U	400	U	380	U
HEXACHLOROETHANE	370	U	360	U	370	U	400	U	380	U
NITROBENZENE	370	U	360	U	370	U	400	U	380	U
ISOPHORONE	370	U	360	U	370	U	400	U	380	U
2-NITROPHENOL	370	U	360	U	370	U	400	U	380	U
2,4-DIMETHYLPHENOL	370	U	360	U	370	U	400	U	380	U
BIS(2-CHLOROETHOXY)METHANE	370	U	360	U	370	U	400	U	380	U
4-DICHLOROPHENOL	370	U	360	U	370	U	400	U	380	U
APHTHALENE	370	U	360	U	370	U	400	U	380	U
4-CHLOROANILINE	370	U	360	U	370	U	400	U	380	U
HEXACHLOROBUTADIENE	370	U	360	U	370	U	400	U	380	U
CAPROLACTAM	370	U	360	U	370	U	400	U	380	U
4-CHLORO-3-METHYLPHENOL	1500		360	U	370	U	400	U	380	U
2-METHYLNAPHTHALENE	370	U	360	U	370	U	400	U	380	U
HEXACHLOROCYCLO-PENTADIENE	370	U	360	U	370	U	400	U	380	U
2,4,6-TRICHLOROPHENOL	370	U	360	U	370	U	400	U	380	U
2,4,5-TRICHLOROPHENOL	940	U	920	U	920	U	1000	U	950	U
1,1'-BIPHENYL	370	U	360	U	370	U	400	U	380	U
2-CHLORONAPHTHALENE	370	U	360	U	370	U	400	U	380	U
2-NITROANILINE	940	U	920	U	920	U	1000	U	950	U
DIMETHYLPHTHALATE	370	U	360	U	370	U	400	U	380	U
2,6-DINITROTOLUENE	370	U	360	U	370	U	400	U	380	U
ACENAPHTHYLENE	370	U	360	U	370	U	400	U	380	U
3-NITROANILINE	940	U	920	U	920	U	1000	U	950	U
ACENAPHTHENE	930		360	U	370	U	400	U	380	U

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Analytical Results (Qualified Data)

Case # 34138 SDG . E00L0
Site EAGLE ZINC CO
Lab A4
Reviewer
Date

Sample Number	E00L3MSD		E00L4		E00L5		E00L6		E00L7	
Sampling Location	X304		X305		X306		X307		X308	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/25/2005		4/25/2005		4/18/2005		4/25/2005		4/18/2005	
Time Sampled	16:10		16:30		17.20		17:40		18.15	
%Moisture	11		10		11		17		14	
pH	6 4		6 4		6.8		5.9		5 8	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	940	R	920	R	920	R	1000	R	950	R
4-NITROPHENOL	1500		920	U	920	U	1000	U	950	U
DIBENZOFURAN	370	U	360	U	370	U	400	U	380	U
2,4-DINITROTOLUENE	1000		360	U	370	U	400	U	380	U
DIETHYLPHTHALATE	370	U	360	U	370	U	400	U	380	U
FLUORENE	370	U	360	U	370	U	400	U	380	U
4-CHLOROPHENYL-PHENYL ETHER	370	U	360	U	370	U	400	U	380	U
4-NITROANILINE	940	U	920	U	920	U	1000	U	950	U
4,6-DINITRO-2-METHYLPHENOL	940	UJ	920	UJ	920	UJ	1000	UJ	950	UJ
N-NITROSO DIPHENYLAMINE	370	U	360	U	370	U	400	U	380	U
4-BROMOPHENYL-PHENYLETHER	370	U	360	U	370	U	400	U	380	U
HEXACHLOROBENZENE	370	U	360	U	370	U	400	U	380	U
ATRAZINE	370	U	360	U	370	U	400	U	380	U
PENTACHLOROPHENOL	1800		920	U	920	U	1000	U	950	U
PHENANTHRENE	370	U	360	U	370	U	90	J	380	U
ANTHRACENE	370	U	360	U	370	U	400	U	380	U
CARBAZOLE	370	U	360	U	370	U	400	U	380	U
DI-N-BUTYLPHTHALATE	370	U	360	U	370	U	400	U	380	U
FLUORANTHENE	370	U	360	U	370	U	250	J	380	U
PYRENE	730		360	U	370	U	170	J	380	U
BUTYLBENZYLPHTHALATE	370	U	360	U	370	U	400	U	380	U
3,3'-DICHLOROBENZIDINE	370	U	360	U	370	U	400	U	380	U
BENZO(A)ANTHRACENE	370	U	360	U	370	U	88	J	380	U
CHRYSENE	370	U	360	U	370	U	150	J	380	U
BIS(2-ETHYLHEXYL)PHTHALATE	370	U	360	U	370	U	400	U	380	U
DI-N-OCTYLPHTHALATE	370	U	360	U	370	U	400	U	380	U
BENZO(B)FLUORANTHENE	370	U	360	U	370	U	130	J	380	U
BENZO(K)FLUORANTHENE	370	U	360	U	370	U	57	J	380	U
BENZO(A)PYRENE	370	U	360	U	370	U	65	J	380	U
INDENO(1,2,3-CD)-PYRENE	370	U	360	U	370	U	400	U	380	U
DIBENZO(A,H)-ANTHRACENE	370	U	360	U	370	U	400	U	380	U
BENZO(G,H,I)PERYLENE	370	U	360	U	370	U	50	J	380	U

Analytical Results (Qualified Data)

Case #: 34138 SDG E00L0
Site EAGLE ZINC CO.
Lab A4
Reviewer
Date

Sample Number	E00L8		E00L9		E00M0		E00M1		E00M2	
Sampling Location	X309		X310		X311		X312		X313	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/26/2005		4/19/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled	08:10		08:45		08:30		08:45		09 30	
%Moisture	14		19		16		19		25	
pH	6.1		6.0		6.7		6.5		6.2	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	390	U	410	U	400	U	410	U	440	U
PHENOL	390	U	410	U	400	U	410	U	440	U
BIS-(2-CHLOROETHYL)ETHER	390	U	410	U	400	U	410	U	440	U
2-CHLOROPHENOL	390	U	410	U	400	U	410	U	440	U
2-METHYLPHENOL	390	U	410	U	400	U	410	U	440	U
2,2'-OXYBIS(1- CHLOROPROPANE)	390	UJ	410	UJ	400	UJ	410	UJ	440	UJ
ACETOPHENONE	390	U	410	U	400	U	410	U	440	U
4-METHYLPHENOL	390	U	410	U	400	U	410	U	440	U
N-NITROSO-DI-N PROPYLAMINE	390	U	410	U	400	U	410	U	440	U
HEXACHLOROETHANE	390	U	410	U	400	U	410	U	440	U
NITROBENZENE	390	U	410	U	400	U	410	U	440	U
ISOPHORONE	390	U	410	U	400	U	410	U	440	U
2-NITROPHENOL	390	U	410	U	400	U	410	U	440	U
2,4-DIMETHYLPHENOL	390	U	410	U	400	U	410	U	440	U
BIS(2-CHLOROETHOXY)METHANE	390	U	410	U	400	U	410	U	440	U
",4-DICHLOROPHENOL	390	U	410	U	400	U	410	U	440	U
NAPHTHALENE	390	U	410	U	400	U	410	U	440	U
4-CHLOROANILINE	390	U	410	U	400	U	410	U	440	U
HEXACHLOROBUTADIENE	390	U	410	U	400	U	410	U	440	U
CAPROLACTAM	390	U	410	U	400	U	410	U	440	U
4-CHLORO-3-METHYLPHENOL	390	U	410	U	400	U	410	U	440	U
2-METHYLNAPHTHALENE	390	U	410	U	400	U	410	U	440	U
HEXACHLOROCYCLO-PENTADIENE	390	U	410	U	400	U	410	U	440	U
2,4,6-TRICHLOROPHENOL	390	U	410	U	400	U	410	U	440	U
2,4,5-TRICHLOROPHENOL	970	U	1000	U	1000	U	1000	U	1100	U
1,1'-BIPHENYL	390	U	410	U	400	U	410	U	440	U
2-CHLORONAPHTHALENE	390	U	410	U	400	U	410	U	440	U
2-NITROANILINE	970	U	1000	U	1000	U	1000	U	1100	U
DIMETHYLPHTHALATE	390	U	410	U	400	U	410	U	440	U
2,6-DINITROTOLUENE	390	U	410	U	400	U	410	U	440	U
ACENAPHTHYLENE	390	U	410	U	400	U	410	U	440	U
3-NITROANILINE	970	U	1000	U	1000	U	1000	U	1100	U
ACENAPHTHENE	390	U	410	U	400	U	410	U	440	U

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Analytical Results (Qualified Data)

Case #: 34138 SDG : E00L0
Site EAGLE ZINC CO
Lab A4
Reviewer
Date

Sample Number	E00L8		E00L9		E00M0		E00M1		E00M2	
Sampling Location	X309		X310		X311		X312		X313	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/26/2005		4/19/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled	08:10		08:45		08:30		08:45		09:30	
%Moisture	14		19		16		19		25	
pH	6.1		6.0		6.7		6.5		6.2	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	970	R	1000	R	1000	R	1000	R	1100	R
4-NITROPHENOL	970	U	1000	U	1000	U	1000	U	1100	U
DIBENZOFURAN	390	U	410	U	400	U	410	U	440	U
2,4-DINITROTOLUENE	390	U	410	U	400	U	410	U	440	U
DIETHYLPHTHALATE	390	U	410	U	400	U	410	U	440	U
FLUORENE	390	U	410	U	400	U	410	U	440	U
4-CHLOROPHENYL-PHENYL ETHER	390	U	410	U	400	U	410	U	440	U
4-NITROANILINE	970	U	1000	U	1000	U	1000	U	1100	U
4,6-DINITRO-2-METHYLPHENOL	970	UJ	1000	UJ	1000	UJ	1000	UJ	1100	UJ
N-NITROSO DIPHENYLAMINE	390	U	410	U	400	U	410	U	440	U
4-BROMOPHENYL-PHENYLETHER	390	U	410	U	400	U	410	U	440	U
HEXACHLOROBENZENE	390	U	410	U	400	U	410	U	440	U
ATRAZINE	390	U	410	U	400	U	410	U	440	U
PENTACHLOROPHENOL	970	U	1000	U	1000	U	1000	U	1100	U
PHENANTHRENE	390	U	410	U	400	U	410	U	440	U
ANTHRACENE	390	U	410	U	400	U	410	U	440	U
CARBAZOLE	390	U	410	U	400	U	410	U	440	U
DI-N-BUTYLPHTHALATE	390	U	410	U	400	U	410	U	440	U
FLUORANTHENE	390	U	410	U	400	U	410	U	74	J
PYRENE	390	U	410	U	400	U	410	U	49	J
BUTYLBENZYLPHTHALATE	390	U	410	U	400	U	410	U	440	U
3,3'-DICHLOROBENZIDINE	390	U	410	U	400	U	410	U	440	U
BENZO(A)ANTHRACENE	390	U	410	U	400	U	410	U	440	U
CHRYSENE	390	U	410	U	400	U	410	U	66	J
BIS(2-ETHYLHEXYL)PHTHALATE	390	U	410	U	400	U	410	U	440	U
DI-N-OCTYLPHTHALATE	390	U	410	U	400	U	410	U	440	U
BENZO(B)FLUORANTHENE	390	U	410	U	400	U	410	U	68	J
BENZO(K)FLUORANTHENE	390	U	410	U	400	U	410	U	440	U
BENZO(A)PYRENE	390	U	410	U	400	U	410	U	440	U
INDENO(1,2,3-CD)-PYRENE	390	U	410	U	400	U	410	U	440	U
DIBENZO(A,H)-ANTHRACENE	390	U	410	U	400	U	410	U	440	U
BENZO(G,H,I)PERYLENE	390	U	410	U	400	U	410	U	440	U

Analytical Results (Qualified Data)

Case # 34138 SDG E00L0
Site EAGLE ZINC CO
Lab A4
Reviewer
Date

Sample Number	E00M3		E00M4		E00M5		E00M6		E00M8	
Sampling Location	X210		X207		X208		X209		X205	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled	10.30		15:00		14:30		13:40		17.40	
%Moisture	41		27		23		42		31	
pH	5.9		6.7		6.9		5.9		6.6	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	570	U	450	U	430	U	560	U	490	U
PHENOL	570	U	450	U	430	U	560	U	490	U
BIS-(2-CHLOROETHYL)ETHER	570	U	450	U	430	U	560	U	490	U
2-CHLOROPHENOL	570	U	450	U	430	U	560	U	490	U
2-METHYLPHENOL	570	U	450	U	430	U	560	U	490	U
2,2'-OXYBIS(1- CHLOROPROPANE)	570	UJ	450	UJ	430	UJ	560	UJ	490	UJ
ACETOPHENONE	570	U	450	U	430	U	560	U	490	U
4-METHYLPHENOL	570	U	450	U	430	U	560	U	490	U
N-NITROSO-DI-N PROPYLAMINE	570	U	450	U	430	U	560	U	490	U
HEXACHLOROETHANE	570	U	450	U	430	U	560	U	490	U
NITROBENZENE	570	U	450	U	430	U	560	U	490	U
ISOPHORONE	570	U	450	U	430	U	560	U	490	U
2-NITROPHENOL	570	U	450	U	430	U	560	U	490	U
2,4-DIMETHYLPHENOL	570	U	450	U	430	U	560	U	490	U
BIS(2-CHLOROETHOXY)METHANE	570	U	450	U	430	U	560	U	490	U
4-DICHLOROPHENOL	570	U	450	U	430	U	560	U	490	U
APHTHALENE	570	U	450	U	430	U	560	U	490	U
4-CHLOROANILINE	570	U	450	U	430	U	560	U	490	U
HEXACHLOROBUTADIENE	570	U	450	U	430	U	560	U	490	U
CAPROLACTAM	570	U	450	U	430	U	560	U	490	U
4-CHLORO-3-METHYLPHENOL	570	U	450	U	430	U	560	U	490	U
2-METHYLNAPHTHALENE	570	U	450	U	430	U	560	U	490	U
HEXACHLOROCYCLO-PENTADIENE	570	U	450	U	430	U	560	U	490	U
2,4,6-TRICHLOROPHENOL	570	U	450	U	430	U	560	U	490	U
2,4,5-TRICHLOROPHENOL	1400	U	1100	U	1100	U	1400	U	1200	U
1,1'-BIPHENYL	570	U	450	U	430	U	560	U	490	U
2-CHLORONAPHTHALENE	570	U	450	U	430	U	560	U	490	U
2-NITROANILINE	1400	U	1100	U	1100	U	1400	U	1200	U
DIMETHYLPHTHALATE	570	U	450	U	430	U	560	U	490	U
2,6-DINITROTOLUENE	570	U	450	U	430	U	560	U	490	U
ACENAPHTHYLENE	570	U	450	U	430	U	560	U	490	U
3-NITROANILINE	1400	U	1100	U	1100	U	1400	U	1200	U
ACENAPHTHENE	570	U	450	U	430	U	560	U	490	U

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case # 34138 SDG : E00L0
Site EAGLE ZINC CO
Lab A4
Reviewer
Date

Sample Number	E00M3		E00M4		E00M5		E00M6		E00M8	
Sampling Location	X210		X207		X208		X209		X205	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled	10:30		15:00		14:30		13:40		17 40	
%Moisture	41		27		23		42		31	
pH	5.9		6.7		6.9		5.9		6.6	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1400	R	1100	R	1100	R	1400	R	1200	R
4-NITROPHENOL	1400	U	1100	U	1100	U	1400	U	1200	U
DIBENZOFURAN	570	U	450	U	430	U	560	U	490	U
2,4-DINITROTOLUENE	570	U	450	U	430	U	560	U	490	U
DIETHYLPHTHALATE	570	U	450	U	430	U	560	U	490	U
FLUORENE	570	U	450	U	430	U	560	U	490	U
4-CHLOROPHENYL-PHENYL ETHER	570	U	450	U	430	U	560	U	490	U
4-NITROANILINE	1400	U	1100	U	1100	U	1400	U	1200	U
4,6-DINITRO-2-METHYLPHENOL	1400	UJ	1100	UJ	1100	UJ	1400	UJ	1200	UJ
N-NITROSO DIPHENYLAMINE	570	U	450	U	430	U	560	U	490	U
4-BROMOPHENYL-PHENYLETHER	570	U	450	U	430	U	560	U	490	U
HEXACHLOROBENZENE	570	U	450	U	430	U	560	U	490	U
ATRAZINE	570	U	450	U	430	U	560	U	490	U
PENTACHLOROPHENOL	1400	U	1100	UJ	1100	U	1400	U	1200	U
PHENANTHRENE	570	U	450	U	430	U	560	U	490	U
ANTHRACENE	570	U	450	U	430	U	560	U	490	U
CARBAZOLE	570	U	450	U	430	U	560	U	490	U
DI-N-BUTYLPHTHALATE	570	U	450	U	430	U	560	U	490	U
FLUORANTHENE	570	U	450	U	430	U	560	U	490	U
PYRENE	570	U	450	U	430	U	560	U	490	U
BUTYLBENZYLPHTHALATE	570	U	450	U	430	U	560	U	490	U
3,3'-DICHLOROBENZIDINE	570	U	450	U	430	U	560	U	490	U
BENZO(A)ANTHRACENE	570	U	450	U	430	U	560	U	490	U
CHRYSENE	570	U	450	U	430	U	560	U	490	U
BIS(2-ETHYLHEXYL)PHTHALATE	570	U	450	U	430	U	560	U	490	U
DI-N-OCTYLPHTHALATE	570	U	450	U	430	U	560	U	490	U
BENZO(B)FLUORANTHENE	570	U	59	J	430	U	560	U	490	U
BENZO(K)FLUORANTHENE	570	U	450	U	430	U	560	U	490	U
BENZO(A)PYRENE	570	U	450	U	430	U	560	U	490	U
INDENO(1,2,3-CD)-PYRENE	570	U	450	U	430	U	560	U	490	U
DIBENZO(A,H)-ANTHRACENE	570	U	450	U	430	U	560	U	490	U
BENZO(G,H,I)PERYLENE	570	U	48	J	430	U	83	J	490	U

Analytical Results (Qualified Data)

Case #: 34138 SDG E00L0
Site : EAGLE ZINC CO
Lab : A4
Reviewer
Date

Sample Number	E00M9		E00N0		SBLK3Z					
Sampling Location	X206		X203							
Matrix	Soil		Soil		Soil					
Units	ug/Kg		ug/Kg		ug/Kg					
Date Sampled	4/26/2005		4/26/2005							
Time Sampled	17:00		18:40							
%Moisture	31		42		N/A					
pH	6.5		6.6		7.1					
Dilution Factor	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	480	U	580	U	330	U				
PHENOL	480	U	580	U	330	U				
BIS-(2-CHLOROETHYL)ETHER	480	U	580	U	330	U				
2-CHLOROPHENOL	480	U	580	U	330	U				
2-METHYLPHENOL	480	U	580	U	330	U				
2,2'-OXYBIS(1- CHLOROPROPANE)	480	UJ	580	UJ	330	UJ				
ACETOPHENONE	480	U	580	U	330	U				
4-METHYLPHENOL	480	U	580	U	330	U				
N-NITROSO-DI-N PROPYLAMINE	480	U	580	U	330	U				
HEXACHLOROETHANE	480	U	580	U	330	U				
NITROBENZENE	480	U	580	U	330	U				
ISOPHORONE	480	U	580	U	330	U				
2-NITROPHENOL	480	U	580	U	330	U				
2,4-DIMETHYLPHENOL	480	U	580	U	330	U				
BIS(2-CHLOROETHOXY)METHANE	480	U	580	U	330	U				
4-DICHLOROPHENOL	480	U	580	U	330	U				
NAPHTHALENE	480	U	580	U	330	U				
4-CHLOROANILINE	480	U	580	U	330	U				
HEXACHLOROBUTADIENE	480	U	580	U	330	U				
CAPROLACTAM	480	U	580	U	330	U				
4-CHLORO-3-METHYLPHENOL	480	U	580	U	330	U				
2-METHYLNAPHTHALENE	480	U	580	U	330	U				
HEXACHLOROCYCLO-PENTADIENE	480	U	580	U	330	U				
2,4,6-TRICHLOROPHENOL	480	U	580	U	330	U				
2,4,5-TRICHLOROPHENOL	1200	U	1500	U	830	U				
1,1'-BIPHENYL	480	U	580	U	330	U				
2-CHLORONAPHTHALENE	480	U	580	U	330	U				
2-NITROANILINE	1200	U	1500	U	830	U				
DIMETHYLPHTHALATE	480	U	580	U	330	U				
2,6-DINITROTOLUENE	480	U	580	U	330	U				
ACENAPHTHYLENE	480	U	580	U	330	U				
3-NITROANILINE	1200	U	1500	U	830	U				
ACENAPHTHENE	480	U	580	U	330	U				

DISCLAIMER: *This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.*

Analytical Results (Qualified Data)

Case # 34138 SDG E00L0
Site EAGLE ZINC CO
Lab A4
Reviewer
Date

Sample Number	E00M9		E00N0		SBLK3Z					
Sampling Location	X206		X203							
Matrix	Soil		Soil		Soil					
Units	ug/Kg		ug/Kg		ug/Kg					
Date Sampled	4/26/2005		4/26/2005							
Time Sampled	17:00		18:40							
%Moisture	31		42		N/A					
pH	6.5		6.6		7.1					
Dilution Factor	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1200	R	1500	R	830	R				
4-NITROPHENOL	1200	U	1500	U	830	U				
DIBENZOFURAN	480	U	580	U	330	U				
2,4-DINITROTOLUENE	480	U	580	U	330	U				
DIETHYLPHTHALATE	480	U	580	U	330	U				
FLUORENE	480	U	580	U	330	U				
4-CHLOROPHENYL-PHENYL ETHER	480	U	580	U	330	U				
4-NITROANILINE	1200	U	1500	U	830	U				
4,6-DINITRO-2-METHYLPHENOL	1200	UJ	1500	UJ	830	UJ				
N-NITROSO DIPHENYLAMINE	480	U	580	U	330	U				
4-BROMOPHENYL-PHENYLETHER	480	U	580	U	330	U				
HEXACHLOROBENZENE	480	U	580	U	330	U				
ATRAZINE	480	U	580	U	330	U				
PENTACHLOROPHENOL	1200	U	1500	U	830	U				
PHENANTHRENE	480	U	580	U	330	U				
ANTHRACENE	480	U	580	U	330	U				
CARBAZOLE	480	U	580	U	330	U				
DI-N-BUTYLPHTHALATE	480	U	580	U	330	U				
FLUORANTHENE	480	U	580	U	330	U				
PYRENE	480	U	580	U	330	U				
BUTYLBENZYLPHTHALATE	480	U	580	U	330	U				
3,3'-DICHLOROBENZIDINE	480	U	580	U	330	U				
BENZO(A)ANTHRACENE	480	U	580	U	330	U				
CHRYSENE	480	U	580	U	330	U				
BIS(2-ETHYLHEXYL)PHTHALATE	480	U	580	U	330	U				
DI-N-OCTYLPHTHALATE	480	U	580	U	330	U				
BENZO(B)FLUORANTHENE	480	U	580	U	330	U				
BENZO(K)FLUORANTHENE	480	U	580	U	330	U				
BENZO(A)PYRENE	480	U	580	U	330	U				
INDENO(1,2,3-CD)-PYRENE	480	U	580	U	330	U				
DIBENZO(A,H)-ANTHRACENE	480	U	580	U	330	U				
BENZO(G,H,I)PERYLENE	480	U	580	U	330	U				

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-2-05

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Eagle Zinc Co., IL

CASE NUMBER: 34138 SDG NUMBER: EØØLØ

Number and Type of Samples: 20 Soil Samples.

Sample Numbers: EØØLØ-L9, MØ-M6, M8, M9, NØ

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Sample Delivery Group(SDG)
Cover Sheet

SDG Number: E00L0

Laboratory Name.: A4 SCIENTIFIC, INC. **Laboratory Code.:** A4

Contract No.: 68W03027 **Case No.:** 34138

Analysis Price: $305.00 **SDG Turnaround:** 21 days

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)E00L0	7)E00L6	13)E00M2	19)E00M9
2)E00L1	8)E00L7	14)E00M3	20)E00N0
3)E00L2	9)E00L8	15)E00M4	21)
4)E00L3	10)E00L9	16)E00M5	22)
5)E00L4	11)E00M0	17)E00M6	23)
6)E00L5	12)E00M1	18)E00M8	24)

E00L0
First Sample in SDG

E00N0
Last Sample in SDG

04/28/2005
First Sample Receipt Date

04/28/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature _____ **Date** 4/28/05

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No: KK 4/28/
SDG No: E00L0

L

Date Shipped:	4/27/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024286
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	4/26/05 1900		
2			
3			
4		[signature]	4/28/05 9:30

For Lab Use Only

Lab Contract No:	68W003027
Unit Price:	$305.00
Transfer To:	
Lab Contract No:	
Unit Price:	KK 4/28/05

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00L0	Waste/ Jerry Willman	M/G	BNA (21)	5-263402 (1)	X301	S: 4/25/2005	15:20	ME00L0 STB 1st SX	6098.001 Intact
E00L1	Waste/ Jerry Willman	M/G	BNA (21)	5-263404 (1)	X302	S: 4/25/2005	15:40	ME00L1	.002
E00L2	Waste/ Jerry Willman	L/G	BNA (21)	5-263406 (1)	X303	S: 4/25/2005	16:00	ME00L2	.003
E00L3	Waste/ Jerry Willman	L/G	BNA (21)	5-263408 (1)	X304	S: 4/25/2005	16:10	ME00L3	.004
E00L4	Waste/ Jerry Willman	M/G	BNA (21)	5-263410 (1)	X305	S: 4/25/2005	16:30	ME00L4	.005
E00L5	Waste/ Jerry Willman	L/G	BNA (21)	5-263412 (1)	X306	S: 4/18/2005	17:20	ME00L5	.006
E00L6	Waste/ Jerry Willman	M/G	BNA (21)	5-263414 (1)	X307	S: 4/25/2005	17:40	ME00L6	.007
E00L7	Waste/ Jerry Willman	M/G	BNA (21)	5-263416 (1)	X308	S: 4/18/2005	18:15	ME00L7	.008
E00L8	Waste/ Jerry Willman	M/G	BNA (21)	5-263418 (1)	X309	S: 4/26/2005	8:10	ME00L8	.009
E00L9	Waste/ Jerry Willman	M/G	BNA (21)	5-263420 (1)	X310	S: 4/19/2005	8:45	ME00L9	.010

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E00L3	KK 4/28/05	4°C	82758

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? Y Shipment Iced? Y

BNA = CLP TCL Semivolatiles

TR Number: 5-314975591-042605-0002

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-9348 Fax 703/264-9222

180

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No: [illegible]
SDG No: E00L0

L

Date Shipped:	4/27/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024286
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	4/26/05 1900		
2			
3			
4		[signature]	4/28/05 9:30

For Lab Use Only

Lab Contract No:	68W03027
Unit Price:	$305.00
Transfer To:	
Lab Contract No:	
Unit Price:	[illegible]

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00M0	Waste/ Jerry Willman	L/G	BNA (21)	5-263422 (1)	X311	S: 4/26/2005	8:30	ME00M0	6098.011 Intact
E00M1	Waste/ Jerry Willman	M/G	BNA (21)	5-263424 (1)	X312	S: 4/26/2005	8:45	ME00M1	.012
E00M2	Waste/ Jerry Willman	M/G	BNA (21)	5-263426 (1)	X313	S: 4/26/2005	9:30	ME00M2	.013
E00M3	Sediment/ Jerry Willman	L/G	BNA (21)	5-263428 (1)	X210	S: 4/26/2005	10:30	ME00M3	.014
E00M4	Sediment/ Jerry Willman	L/G	BNA (21)	5-263430 (1)	X207	S: 4/26/2005	15:00	ME00M4	.015
E00M5	Sediment/ Jerry Willman	L/G	BNA (21)	5-263432 (1)	X208	S: 4/26/2005	14:30	ME00M5	.016
E00M6	Sediment/ Jerry Willman	L/G	BNA (21)	5-263434 (1)	X209	S: 4/26/2005	13:40	ME00M6	.017
E00M8	Sediment/ Jerry Willman	L/G	BNA (21)	5-263437 (1)	X205	S: 4/26/2005	17:40	ME00M8	.018
E00M9	Sediment/ Jerry Willman	L/G	BNA (21)	5-263439 (1)	X206	S: 4/26/2005	17:00	ME00M9	.019
E00N0	Sediment/ Jerry Willman	L/G	BNA (21)	5-263441 (1)	X203	S: 4/26/2005	18:40	ME00N0	.020

Final SX

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E00L3	[signature] 4/28/05	4°C	82758

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G Custody Seal Intact? Y Shipment Iced? Y

BNA = CLP TCL Semivolatiles

TR Number: 5-314975591-042605-0002

LABORATORY COPY

PR provides prel[illegible]y results. Requests for preliminary results will increase analytical costs.
Send Copy to: S[illegible]e Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone [illegible]264 9348 Fax 703/264 9222

181

JUN 0 2 2005

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: 68W03027	Case #: 34138	SDG #: E00L0

SDG NARRATIVE

SAMPLE RECEIPT & LOGIN

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

EPA SAMPLE #	LAB SAMPLE #	DATE /TIME RECEIVED	AIRBILL NO.	VOA	BNA	PEST	REMARKS
E00L0	6098.001	4/28/05 9:30	1Z6215892210024286		X		
E00L1	6098.002	4/28/05 9:30	1Z6215892210024286		X		
E00L2	6098.003	4/28/05 9:30	1Z6215892210024286		X		
E00L3	6098.004	4/28/05 9:30	1Z6215892210024286		X		MS/MSD
E00L4	6098.005	4/28/05 9:30	1Z6215892210024286		X		
E00L5	6098.006	4/28/05 9:30	1Z6215892210024286		X		
E00L6	6098.007	4/28/05 9:30	1Z6215892210024286		X		
E00L7	6098.008	4/28/05 9:30	1Z6215892210024286		X		
E00L8	6098.009	4/28/05 9:30	1Z6215892210024286		X		
E00L9	6098.010	4/28/05 9:30	1Z6215892210024286		X		
E00M0	6098.011	4/28/05 9:30	1Z6215892210024286		X		
E00M1	6098.012	4/28/05 9:30	1Z6215892210024286		X		
E00M2	6098.013	4/28/05 9:30	1Z6215892210024286		X		
E00M3	6098.014	4/28/05 9:30	1Z6215892210024286		X		
E00M4	6098.015	4/28/05 9:30	1Z6215892210024286		X		
E00M5	6098.016	4/28/05 9:30	1Z6215892210024286		X		
E00M6	6098.017	4/28/05 9:30	1Z6215892210024286		X		
E00M8	6098.018	4/28/05 9:30	1Z6215892210024286		X		
E00M9	6098.019	4/28/05 9:30	1Z6215892210024286		X		
E00N0	6098.020	4/28/05 9:30	1Z6215892210024286		X		

The cooler temperatures are listed against the coolers.

DATE RECEIVED	COOLER NO.	Temp (in °C)
4/28/05	1	4

No discrepancies or issues were noted during sample receipt and login.

SEMI-VOLATILES

Soil samples were extracted using the sonication method on 04/30/2005. No problems were encountered during extraction. GPC cleanup was performed on all soil samples and the associated Blanks, MS, and MSD.

All samples were analyzed on a HP5973 GC-MS using a 30-meter HP-5MS column (Agilent cat#19091S-433) having a 0.25mm ID and a 0.25μm film thickness. A 2μL injection was used.

The estimated concentrations of alkanes are attached.

Manual integrations were performed for the following samples for the compounds listed against them.

SSTD0506G – Pentachlorophenol

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: 68W03027	Case #: 34138	SDG #: E00L0

SDG NARRATIVE

SSTD0106G – 1,4-Dichlorobenzene
SSTD0106G – Benzoic acid
SSTD1206G – Pentachlorophenol
SSTD1606G – Pentachlorophenol
SSTD0507F – Pentachlorophenol

These manual integrations were necessary because the software failed to accurately integrate the entire peak. In all the above instances, the quantitation reports are flagged with "m". A hard copy printout of the manual integration, the scan ranges, and initials of the analyst or manager is included in the data package.

The following equation is used for calculation of sample results from raw instrument output data:

$$\text{Concentration } (\mu g/Kg) = \frac{(Ax)(Is)(Vt)(Df)(GPC)}{(Ais)(RRF)(Vi)(Ws)(D)}$$

A_x = Area of the characteristic ion for the compound to be measured.
A_{is} = Area of the characteristic ion for the internal standard.
I_s = Amount of internal standard injected in nanograms (ng).
V_t = Volume of the concentrated extract in microliters (µL).
V_i = Volume of the extract injected in microliters (µL).

$$D = \frac{100 - \%moisture}{100}$$

W_s = Weight of sample extracted in grams (g)
GPC = GPC factor (GPC = 2.0 to account for GPC cleanup)
D*f* = Dilution factor

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 hard copy data package and in the computer readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature:

QC Coordinator
Signature and Title

6/1/05
Date of Signature

Alkane Report- SVOA

CASE: 34138 **SDG:** E00L0 **UNITS:** UG/KG

EPA ID	Lab ID	COMPOUND	CAS NO	RT	CONC
E00L0	6098.001	Tridecane	000629-50-5	7.07	50
E00L0	6098.001	Tetradecane	000629-59-4	7.76	50
E00L0	6098.001	Pentadecane	000629-62-9	8.42	45
E00L0	6098.001	Hexadecane	000544-76-3	9.03	46
E00L0	6098.001	Eicosane	000112-95-8	9.62	46
E00L0	6098.001	Eicosane	000112-95-8	11.68	40
E00L0	6098.001	Heptadecane	000629-78-7	12.58	50
E00L2	6098.003	Branched Alkane		3.54	55
E00L5	6098.006	Branched Alkane		3.45	79
E00L5	6098.006	Eicosane	000112-95-8	10.69	46
E00L5	6098.006	Eicosane	000112-95-8	11.20	62
E00L5	6098.006	Eicosane	000112-95-8	11.68	70
E00L5	6098.006	Eicosane	000112-95-8	12.58	44
E00L6	6098.007	Eicosane	000112-95-8	3.54	73
E00L6	6098.007	Straight Chain Alkane		10.69	41
E00L6	6098.007	2-Bromo dodecane	013187-99-0	11.68	56
E00L6	6098.007	Heptadecane	000629-78-7	12.58	63
E00L6	6098.007	Heptadecane	000629-78-7	13.01	63
E00L6	6098.007	Nonadecane	000629-92-5	13.49	53
E00L6	6098.007	Nonadecane	000629-92-5	14.02	73
E00L6	6098.007	Heptadecane, 2,6,10,15-tetram	054833-48-6	14.65	89
E00L8	6098.009	Branched Alkane		3.54	77
E00M3	6098.014	Heptadecane, 9-octyl-	007225-64-1	16.30	151
E00M5	6098.016	Eicosane	000112-95-8	16.29	52
E00M9	6098.019	Branched Alkane		3.45	53
E00N0	6098.020	Tetratetracontane	007098-22-8	16.30	120

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS NO.: SDG No.: E00L0

Level(low/med): LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	E00L0	55	55	67	52	45	57	53	54	0
02	E00L1	47	48	50	46	42	48	46	43	0
03	E00L2	47	47	44	40	36	41	41	42	0
04	E00L3	45	48	48	44	40	49	43	41	0
05	E00L3MS	48	49	54	49	44	54	49	45	0
06	E00L3MSD	49	48	55	48	43	54	47	45	0
07	E00L4	50	49	48	40	37	42	43	48	0
08	E00L5	50	49	49	33	29	35	37	46	0
09	E00L6	59	59	69	57	53	65	58	55	0
10	E00L7	66	65	67	62	55	50	63	61	0
11	E00L8	66	66	63	60	56	61	60	61	0
12	E00L9	67	67	68	67	65	63	66	65	0
13	E00M0	29	29 *	31	30	26	29	29	27	1
14	E00M1	37	38	39	34	28	26	34	34	0
15	E00M2	44	50	53	42	37	42	42	46	0
16	E00M3	42	48	52	41	35	48	41	42	0
17	E00M4	76	112	129	86	70	135 *	77	70	1
18	E00M5	46	51	53	46	39	48	44	47	0
19	E00M6	44	48	52	44	40	45	43	45	0
20	E00M8	38	45	50	34	24 *	46	32	35	1
21	E00M9	49	57	57	47	42	54	47	48	0
22	E00N0	40	47	57	37	33	54	37	40	0
23	SBLK3Z	65	66	135	53	56	57	54	61	0
24										
25										
26										
27										
28										
29										
30										

			QC LIMITS	
S1	(NBZ)	= Nitrobenzene-d5	(23-120)	
S2	(FBP)	= 2-Fluorobiphenyl	(30-115)	
S3	(TPH)	= TerPhenyl-d14	(18-137)	
S4	(PHL)	= Phenol-d5	(24-113)	
S5	(2FP)	= 2-Fluorophenol	(25-121)	
S6	(TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7	(2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8	(DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix Spike - EPA Sample No.: E00L3 Level:(Low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2800	0	1500	54	26-90
2-Chlorophenol	2800	0	1400	50	25-102
N-Nitroso-di-n-prop.(1)	1800	0	990	55	41-126
4-Chloro-3-methylphenol	2800	0	1500	54	26-103
Acenaphthene	1800	0	950	53	31-137
4-Nitrophenol	2800	0	1700	61	11-114
2,4-Dinitrotoluene	1800	0	1000	56	28-89
Pentachlorophenol	2800	0	1800	64	17-109
Pyrene	1800	0	730	41	35-142

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2800	1400	50	8	35	26-90
2-Chlorophenol	2800	1400	50	0	50	25-102
N-Nitroso-di-n-prop.(1)	1900	970	51	8	38	41-126
4-Chloro-3-methylphenol	2800	1500	54	0	33	26-103
Acenapnthene	1900	930	49	8	19	31-137
4-Nitrophenol	2800	1500	54	12	50	11-114
2,4-Dinitrotoluene	1900	1000	53	6	47	28-89
Pentachlorophenol	2800	1800	64	0	47	17-109
Pyrene	1900	730	38	8	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD Values with an asterisk

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

_____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK3Z

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Lab File ID: D2367 Lab Sample ID: SVOB3Z

Instrument ID: D-5973 Date Extracted: 04/30/05

Matrix: (soil/water) SOIL Date Analyzed: 05/27/05

Level: (low/med) LOW Time Analyzed: 0534

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E00L0	6098.001	D2368	05/27/05
02	E00L1	6098.002	D2369	05/27/05
03	E00L2	6098.003	D2370	05/27/05
04	E00L3	6098.004	D2371	05/27/05
05	E00L3MS	6098.004MS	D2372	05/27/05
06	E00L3MSD	6098.004MSD	D2373	05/27/05
07	E00L4	6098.005	D2374	05/27/05
08	E00L5	6098.006	D2375	05/27/05
09	E00L6	6098.007	D2376	05/27/05
10	E00L7	6098.008	D2377	05/27/05
11	E00L8	6098.009	D2378	05/27/05
12	E00L9	6098.010	D2382	05/27/05
13	E00M0	6098.011	D2380	05/27/05
14	E00M1	6098.012	D2381	05/27/05
15	E00M2	6098.013	D2385	05/27/05
16	E00M3	6098.014	D2386	05/27/05
17	E00M4	6098.015	D2411	05/28/05
18	E00M5	6098.016	D2388	05/27/05
19	E00M6	6098.017	D2389	05/27/05
20	E00M8	6098.018	D2390	05/27/05
21	E00M9	6098.019	D2391	05/27/05
22	E00N0	6098.020	D2392	05/27/05
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

_____

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.001

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2368

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 12 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	48	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00LC

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.001

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2368

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 12 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenyletner	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	61	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	51	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	43	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	55	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.001

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2368

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 12 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.33	97	J
2.	UNKNOWN	3.45	210	J
3.	UNKNOWN	3.50	170	J
4.	UNKNOWN	3.54	130	J
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FORM I SV-TIC OLM04.3

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.002

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2369

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 7 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.002

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2369

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 7 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	71	J
129-00-0	Pyrene	54	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	40	J
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	41	J
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.002

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2369

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 7 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	150	J
2.	UNKNOWN	3.50	150	J
3.	UNKNOWN	3.54	120	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.003

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2370

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 13 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.003

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2370

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 13 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.003

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2370

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 13 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

Number TICS found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	150	J
2.	UNKNOWN	3.50	150	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2371

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2371

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2371

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	110	J
2.	UNKNOWN	3.50	110	J
3.	UNKNOWN	3.54	77	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L3MS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004MS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2372

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	1500	
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	1400	
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	990	
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	950	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L3MS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L3

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004MS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2372

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	1700	
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	1000	
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	1800	
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0013MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004MSD

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2373

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	1400	
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	1400	
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	970	
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	930	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L3MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.004MSD

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2373

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	1000	
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	1800	
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.005

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2374

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 10 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	360	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.005

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2374

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 10 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.005

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2374

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 10 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	140	J
2.	UNKNOWN	3.50	130	J
3.	UNKNOWN	3.54	100	J
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FORM I SV-TIC OLM04.3

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.006

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2375

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.006

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2375

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.006

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2375

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.33	74	J
2.	UNKNOWN	3.50	150	J
3.	UNKNOWN	3.54	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.007

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2376

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 17 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.007

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2376

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 17 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	90	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	250	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	88	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	130	J
207-08-9	Benzo(k)fluoranthene	57	J
50-32-8	Benzo(a)pyrene	65	J
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	50	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.007

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2376

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

Number TICS found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	220	J
2.	UNKNOWN	3.50	210	J
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FORM I SV-TIC OLM04.3

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.008

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2377

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.008

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2377

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00L7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.008

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2377

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	190	J
2.	UNKNOWN	3.50	200	J
3.	UNKNOWN	3.54	140	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00L8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L8

Matrix: (soil/water) SOIL Lab Sample ID: 6098.009

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2378

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00L8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.009

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2378

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EC01E

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: EC01C

Matrix: (soil/water) SOIL Lab Sample ID: 6098.009

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2378

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.33	490	J
2.	UNKNOWN	3.45	200	J
3.	UNKNOWN	3.50	200	J
4.				
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0019

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.010

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2382

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00L0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.010

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2382

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00L9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.010

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2382

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

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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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0010

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 6098.011

Sample wt/vol: 29.7 (g/mL) G Lab File ID: D2380

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 16 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenapnthene	400	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00MC

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.011

Sample wt/vol: 29.7 (g/mL) G Lab File ID: D2380

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 16 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00MC

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.011

Sample wt/vol: 29.7 (g/mL) G Lab File ID: D2380

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

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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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2381

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EO0M1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E0CL0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2381

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00M1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2381

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

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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FORM I SV-TIC OLM04.3

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.013

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2385

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 25 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

E00NC

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.013

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2385

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 25 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	74	J
129-00-0	Pyrene	49	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	66	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	68	J
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) Cannot be separated from Diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EC0M2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: EC0L2

Matrix: (soil/water) SOIL Lab Sample ID: 6098.013

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2385

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 25 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.33	100	J
2.	UNKNOWN	3.45	120	J
3.	UNKNOWN	3.50	110	J
4.				
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: 6098.014

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2386

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 41 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	570	U
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
95-48-7	2-Methylphenol	570	U
108-60-1	2,2'-oxybis(1-Chloropropane)	570	U
98-86-2	Acetophenone	570	U
106-44-5	4-Methylphenol	570	U
621-64-7	N-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
105-60-2	Caprolactam	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
95-95-4	2,4,5-Trichlorophenol	1400	U
92-52-4	1,1'-Biphenyl	570	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	570	U
606-20-2	2,6-Dinitrotoluene	570	U
208-96-8	Acenaphthylene	570	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	570	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EC0M0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.014

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2386

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 41 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	570	U
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570	U
86-73-7	Fluorene	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	570	U
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
1912-24-9	Atrazine	570	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	570	U
120-12-7	Anthracene	570	U
86-74-8	Carbazole	570	U
84-74-2	Di-n-butylphthalate	570	U
206-44-0	Fluoranthene	570	U
129-00-0	Pyrene	570	U
85-68-7	Butylbenzylphthalate	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
56-55-3	Benzo(a)anthracene	570	U
218-01-9	Chrysene	570	U
117-81-7	bis(2-Ethylhexyl)phthalate	570	U
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo(b)fluoranthene	570	U
207-08-9	Benzo(k)fluoranthene	570	U
50-32-8	Benzo(a)pyrene	570	U
193-39-5	Indeno(1,2,3-cd)pyrene	570	U
53-70-3	Dibenzo(a,h)anthracene	570	U
191-24-2	Benzo(g,h,i)perylene	570	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00M3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.014

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2386

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 41 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

Number TICS found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	130	J
2.	UNKNOWN	13.40	180	J
3.	UNKNOWN	13.64	170	J
4.	UNKNOWN	23.12	150	J
5.	UNKNOWN	25.00	510	J
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E001C

Matrix: (soil/water) SOIL Lab Sample ID: 6098.015

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2411

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 27 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.015

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2411

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 27 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	C
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
117-81-7	bis(2-Ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	59	J
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	48	J

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EO0M4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: EO0L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.015

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2411

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/26/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

Number TICS found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	14.95	400	J
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.016

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2388

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 23 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EC0M5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.016

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2388

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 23 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00M5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.016

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2388

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 23 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICS found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.33	92	J
2.	UNKNOWN	3.45	100	J
3.	UNKNOWN	3.50	94	J
4.	UNKNOWN	14.84	210	J
5.	UNKNOWN	23.77	140	J
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 6098.017

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2389

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 42 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)ether	560	U
95-57-8	2-Chlorophenol	560	U
95-48-7	2-Methylphenol	560	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560	U
98-86-2	Acetophenone	560	U
106-44-5	4-Methylphenol	560	U
621-64-7	N-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
105-60-2	Caprolactam	560	U
59-50-7	4-Chloro-3-methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
95-95-4	2,4,5-Trichlorophenol	1400	U
92-52-4	1,1'-Biphenyl	560	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	560	U
606-20-2	2,6-Dinitrotoluene	560	U
208-96-8	Acenaphthylene	560	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	560	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.017

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2389

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 42 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	560	U
121-14-2	2,4-Dinitrotoluene	560	U
84-66-2	Diethylphthalate	560	U
86-73-7	Fluorene	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
1912-24-9	Atrazine	560	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	560	U
120-12-7	Anthracene	560	U
86-74-8	Carbazole	560	U
84-74-2	Di-n-butylphthalate	560	U
206-44-0	Fluoranthene	560	U
129-00-0	Pyrene	560	U
85-68-7	Butylbenzylphthalate	560	U
91-94-1	3,3'-Dichlorobenzidine	560	U
56-55-3	Benzo(a)anthracene	560	U
218-01-9	Chrysene	560	U
117-81-7	bis(2-Ethylhexyl)phthalate	560	U
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo(b)fluoranthene	560	U
207-08-9	Benzo(k)fluoranthene	560	U
50-32-8	Benzo(a)pyrene	560	U
193-39-5	Indeno(1,2,3-cd)pyrene	560	U
53-70-3	Dibenzo(a,h)anthracene	560	U
191-24-2	Benzo(g,h,i)perylene	83	J

(1) Cannot be separated from Diphenylamine

UNITED STATES ENVIRONMENTAL ...

REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E00L0 CERCLIS No: ILD980606941

Case No: 34138 Site Name/Location: Eagle Zinc Co., ~~IN~~ IL 6-7-05

Contractor or EPA Lab: A4 Scientific Data User: IEPA

No. of Samples: 20 Date Sampled or Date Received: 6-2-05

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

____ ____ ____ ____
____ ____ ____ ____

Are basic data forms in? Yes ✓ No ____
No of samples claimed: ____ No. of samples received: ____

Received by: James P. Burden Date: 6-2-05

Received by LSSS: James P. Burden Date: 6-7-05

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: ____ Date: ____

Mailed to user by: James P. Burden Date: 6-9-05

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

____

Received by Data Mgmt. Coordinator for Files. Date: ____

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK3Z

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: SVOB3Z

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2367

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICS found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000321-60-8	1,1'-Biphenyl, 2-fluoro-	7.18	960	JN
2.	000118-79-6	Phenol, 2,4,6-tribromo-	9.41	440	JN
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK3Z

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: SVOB3Z

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2367

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK3C

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00LC

Matrix: (soil/water) SOIL Lab Sample ID: SVOB3Z

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2367

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EC0N0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: EC0L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.020

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2392

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 42 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

Number TICS found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	130	J
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.020

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2392

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 42 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	580	U
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
86-73-7	Fluorene	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine (1)	580	U
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
1912-24-9	Atrazine	580	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	580	U
120-12-7	Anthracene	580	U
86-74-8	Carbazole	580	U
84-74-2	Di-n-butylphthalate	580	U
206-44-0	Fluorantnene	580	U
129-00-0	Pyrene	580	U
85-68-7	Butylbenzylphthalate	580	U
91-94-1	3,3'-Dichlorobenzidine	580	U
56-55-3	Benzo(a)anthracene	580	U
218-01-9	Chrysene	580	U
117-81-7	bis(2-Ethylhexyl)phthalate	580	U
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo(b)fluoranthene	580	U
207-08-9	Benzo(k)fluoranthene	580	U
50-32-8	Benzo(a)pyrene	580	U
193-39-5	Indeno(1,2,3-cd)pyrene	580	U
53-70-3	Dibenzo(a,h)anthracene	580	U
191-24-2	Benzo(g,h,i)perylene	580	U

(1) Cannot be separated from Diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

E00N0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.020

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2392

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 42 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	580	U
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
95-48-7	2-Methylphenol	580	U
108-60-1	2,2'-oxybis(1-Chloropropane)	580	U
98-86-2	Acetophenone	580	U
106-44-5	4-Methylphenol	580	U
621-64-7	N-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
91-20-3	Naphthalene	580	U
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
105-60-2	Caprolactam	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	580	U
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
95-95-4	2,4,5-Trichlorophenol	1500	U
92-52-4	1,1'-Biphenyl	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethylphthalate	580	U
606-20-2	2,6-Dinitrotoluene	580	U
208-96-8	Acenaphthylene	580	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	580	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 6098.019

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2391

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

Number TICS found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.50	110	J
2.	UNKNOWN	22.40	150	J
3.				
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.019

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2391

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
86-73-7	Fluorene	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
1912-24-9	Atrazine	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
86-74-8	Carbazole	480	U
84-74-2	Di-n-butylphthalate	480	U
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	480	U
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenzo(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U

(1) Cannot be separated from Diphenylamine

FORM I SV-2 OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.019

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2391

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	480	U
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
98-86-2	Acetophenone	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
105-60-2	Caprolactam	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	480	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
606-20-2	2,6-Dinitrotoluene	480	U
208-96-8	Acenaphthylene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00M3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.018

Sample wt/vol: 29.5 (g/mL) G Lab File ID: D2390

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I SV-TIC OLM04.3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.018

Sample wt/vol: 29.5 (g/mL) G Lab File ID: D2390

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	490	U
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
86-73-7	Fluorene	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
1912-24-9	Atrazine	490	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	490	U
120-12-7	Anthracene	490	U
86-74-8	Carbazole	490	U
84-74-2	Di-n-butylphthalate	490	U
206-44-0	Fluoranthene	490	U
129-00-0	Pyrene	490	U
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)anthracene	490	U
218-01-9	Chrysene	490	U
117-81-7	bis(2-Ethylhexyl)phthalate	490	U
117-84-0	Di-n-octylphthalate	490	U
205-99-2	Benzo(b)fluoranthene	490	U
207-08-9	Benzo(k)fluoranthene	490	U
50-32-8	Benzo(a)pyrene	490	U
193-39-5	Indeno(1,2,3-cd)pyrene	490	U
53-70-3	Dibenzo(a,h)anthracene	490	U
191-24-2	Benzo(g,h,i)perylene	490	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.018

Sample wt/vol: 29.5 (g/mL) G Lab File ID: D2390

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	490	U
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)ether	490	U
95-57-8	2-Chlorophenol	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
98-86-2	Acetophenone	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-di-n-propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
91-20-3	Naphthalene	490	U
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
105-60-2	Caprolactam	490	U
59-50-7	4-Chloro-3-methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	490	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	490	U
606-20-2	2,6-Dinitrotoluene	490	U
208-96-8	Acenaphthylene	490	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	490	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E00M6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00L0

Matrix: (soil/water) SOIL Lab Sample ID: 6098.017

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D2389

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 42 Decanted:(Y/N) N Date Extracted: 04/30/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.45	140	J
2.	UNKNOWN	3.50	120	J
3.	UNKNOWN	14.64	390	J
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FORM I SV-TIC OLM04.3

BDATE: June 9, 2005

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: Eagle Zinc Co. , IL

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
34138	A4 Scientific	3	E00N1	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: U.S. EPA
Region 5
Central Regional Laboratory
536 S. Clark, 10th Floor
CHICAGO, IL 60605

RECEIVED
JUN 20 2005
IEPA-BOL-FSRS

Sent By: James D Burden, Chemist ESAT Region 5 / ALION Science & Technology

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: **Electronic (Level 2) Review of Data**

Received for Review on: June 2, 2005

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: IEPA

The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.

SITE Name: Eagle Zinc Co. (IL)

Case Number: 34138 SDG Number: E00N1

Number and Type of Samples: 3 (soils)

Sample Numbers: E00N1, E00N2 and E00P4

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

RECEIVED
JUN 20 2005
IEPA-BOL-FSRS

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00N1
Laboratory: A4 Scientific

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Three (3) soil samples labeled E00N1, E00N2 and E00P4, were collected on April 26 and 27, 2005. The lab received the samples on April 28 and 29, 2005 in good condition. All samples were analyzed for only the semivolatile list of organic analytes. All samples were analyzed according to CLP SOW OLMO4.3.

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00N1
Laboratory: A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

Qualification: Calibrations **Protocol: BNA**

DC-8 The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

2,4-Dinitrophenol
E00N1, E00N2, E00P4, E00P4MS, E00P4MSD, SBLK4C

DC-9 The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

2,4-Dinitrophenol
E00N1, E00N2, E00P4, E00P4MS, E00P4MSD, SBLK4C

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,2-oxybis(1-Chloropropane), 4,6-Dinitro-2-methylphenol
E00N1, E00N2, E00P4, E00P4MS, E00P4MSD, SBLK4C

Pentachlorophenol
E00P4, E00P4MS, E00P4MSD

4. BLANKS

No defects found.

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00N1
Laboratory: A4 Scientific

No defects found.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

DC-2 The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound(s) in the unspiked sample E00P4 are estimated "J" and non-detects are estimated, "UJ".

E00P4MSD
Pyrene

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as trip blanks, field blanks or field duplicates. Results are not qualified based upon the results of the field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all SVOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

DC-1 The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E00N1
Fluoranthene

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

Qualification: CADRE Reserved **Protocol: BNA**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

Case Number: 34138
Site Name: Eagle Zinc Co. (IL)

SDG Number: E00N1
Laboratory: A4 Scientific

E00N1, E00N2, E00P4, E00P4MS, E00P4MSD, SBLK4C

Level 2 Assembled by: Richard Baltrus Alion Science/ESAT
Date: June 8, 2005

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Analytical Results (Qualified Data)

Case # 34138 SDG E00N1
Site EAGLE ZINC CO
Lab : A4
Reviewer
Date

Number of Soil Samples : 3
Number of Water Samples 0

Sample Number	E00N1		E00N2		E00P4		E00P4MS		E00P4MSD	
Sampling Location	X204		X202		X201		X201		X201	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	4/26/2005		4/27/2005		4/27/2005		4/27/2005		4/27/2005	
Time Sampled	18:40		08:50		15:20		15:20		15:20	
%Moisture	44		32		70		70		70	
pH	6.5		6.8		6.3		6.3		6.3	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	590	U	490	U	1100	U	1100	U	1100	U
PHENOL	590	U	490	U	1100	U	3900		4100	
BIS-(2-CHLOROETHYL)ETHER	590	U	490	U	1100	U	1100	U	1100	U
2-CHLOROPHENOL	590	U	490	U	1100	U	3900		3900	
2-METHYLPHENOL	590	U	490	U	1100	U	1100	U	1100	U
2,2'-OXYBIS(1- CHLOROPROPANE)	590	UJ	490	UJ	1100	UJ	1100	UJ	1100	UJ
ACETOPHENONE	590	U	490	U	1100	U	1100	U	1100	U
4-METHYLPHENOL	590	U	490	U	1100	U	1100	U	1100	U
N-NITROSO-DI-N PROPYLAMINE	590	U	490	U	1100	U	2400		2600	
HEXACHLOROETHANE	590	U	490	U	1100	U	1100	U	1100	U
NITROBENZENE	590	U	490	U	1100	U	1100	U	1100	U
ISOPHORONE	590	U	490	U	1100	U	1100	U	1100	U
2-NITROPHENOL	590	U	490	U	1100	U	1100	U	1100	U
2,4-DIMETHYLPHENOL	590	U	490	U	1100	U	1100	U	1100	U
BIS(2-CHLOROETHOXY)METHANE	590	U	490	U	1100	U	1100	U	1100	U
,4-DICHLOROPHENOL	590	U	490	U	1100	U	1100	U	1100	U
NAPHTHALENE	590	U	490	U	1100	U	1100	U	1100	U
4-CHLOROANILINE	590	U	490	U	1100	U	1100	U	1100	U
HEXACHLOROBUTADIENE	590	U	490	U	1100	U	1100	U	1100	U
CAPROLACTAM	590	U	490	U	1100	U	1100	U	1100	U
4-CHLORO-3-METHYLPHENOL	590	U	490	U	1100	U	3700		4200	
2-METHYLNAPHTHALENE	590	U	490	U	1100	U	1100	U	1100	U
HEXACHLOROCYCLO-PENTADIENE	590	U	490	U	1100	U	1100	U	1100	U
2,4,6-TRICHLOROPHENOL	590	U	490	U	1100	U	1100	U	1100	U
2,4,5-TRICHLOROPHENOL	1500	U	1200	U	2700	U	2800	U	2800	U
1,1'-BIPHENYL	590	U	490	U	1100	U	1100	U	1100	U
2-CHLORONAPHTHALENE	590	U	490	U	1100	U	1100	U	1100	U
2-NITROANILINE	1500	U	1200	U	2700	U	2800	U	2800	U
DIMETHYLPHTHALATE	590	U	490	U	1100	U	1100	U	1100	U
2,6-DINITROTOLUENE	590	U	490	U	1100	U	1100	U	1100	U
ACENAPHTHYLENE	590	U	490	U	1100	U	1100	U	1100	U
3-NITROANILINE	1500	U	1200	U	2700	U	2800	U	2800	U
ACENAPHTHENE	590	U	490	U	1100	U	2600		2600	

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case # 34138 SDG . E00N1
Site EAGLE ZINC CO.
Lab . A4
Reviewer :
Date :

Sample Number	E00N1		E00N2		E00P4		E00P4MS		E00P4MSD	
Sampling Location :	X204		X202		X201		X201		X201	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled .	4/26/2005		4/27/2005		4/27/2005		4/27/2005		4/27/2005	
Time Sampled :	18:40		08:50		15:20		15 20		15 20	
%Moisture	44		32		70		70		70	
pH :	6.5		6.8		6.3		6.3		6 3	
Dilution Factor :	1.0		1.0		1.0		1.0		1 0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1500	R	1200	R	2700	R	2800	R	2800	R
4-NITROPHENOL	1500	U	1200	U	2700	U	3700		4100	
DIBENZOFURAN	590	U	490	U	1100	U	1100	U	1100	U
2,4-DINITROTOLUENE	590	U	490	U	1100	U	2500		2500	
DIETHYLPHTHALATE	590	U	490	U	1100	U	1100	U	1100	U
FLUORENE	590	U	490	U	1100	U	1100	U	1100	U
4-CHLOROPHENYL-PHENYL ETHER	590	U	490	U	1100	U	1100	U	1100	U
4-NITROANILINE	1500	U	1200	U	2700	U	2800	U	2800	U
4,6-DINITRO-2-METHYLPHENOL	1500	UJ	1200	UJ	2700	UJ	2800	UJ	2800	UJ
N-NITROSO DIPHENYLAMINE	590	U	490	U	1100	U	1100	U	1100	U
4-BROMOPHENYL-PHENYLETHER	590	U	490	U	1100	U	1100	U	1100	U
HEXACHLOROBENZENE	590	U	490	U	1100	U	1100	U	1100	U
ATRAZINE	590	U	490	U	1100	U	1100	U	1100	U
PENTACHLOROPHENOL	1500	U	1200	U	2700	UJ	4200	J	4400	J
PHENANTHRENE	590	U	490	U	1100	U	1100	U	1100	U
ANTHRACENE	590	U	490	U	1100	U	1100	U	1100	U
CARBAZOLE	590	U	490	U	1100	U	1100	U	1100	U
DI-N-BUTYLPHTHALATE	590	U	490	U	1100	U	1100	U	1100	U
FLUORANTHENE	62	J	490	U	1100	U	1100	U	1100	U
PYRENE	590	U	490	U	1100	UJ	1900		1800	
BUTYLBENZYLPHTHALATE	590	U	490	U	1100	U	1100	U	1100	U
3,3'-DICHLOROBENZIDINE	590	U	490	U	1100	U	1100	U	1100	U
BENZO(A)ANTHRACENE	590	U	490	U	1100	U	1100	U	1100	U
CHRYSENE	590	U	490	U	1100	U	1100	U	1100	U
BIS(2-ETHYLHEXYL)PHTHALATE	590	U	490	U	1100	U	1100	U	1100	U
DI-N-OCTYLPHTHALATE	590	U	490	U	1100	U	1100	U	1100	U
BENZO(B)FLUORANTHENE	590	U	490	U	1100	U	1100	U	1100	U
BENZO(K)FLUORANTHENE	590	U	490	U	1100	U	1100	U	1100	U
BENZO(A)PYRENE	590	U	490	U	1100	U	1100	U	1100	U
INDENO(1,2,3-CD)-PYRENE	590	U	490	U	1100	U	1100	U	1100	U
DIBENZO(A,H)-ANTHRACENE	590	U	490	U	1100	U	1100	U	1100	U
BENZO(G,H,I)PERYLENE	590	U	490	U	1100	U	1100	U	1100	U

Analytical Results (Qualified Data)

Case # 34138 SDG . E00N1
Site EAGLE ZINC CO.
Lab A4
Reviewer
Date

Sample Number	SBLK4C									
Sampling Location										
Matrix	Soil									
Units	ug/Kg									
Date Sampled										
Time Sampled										
%Moisture	N/A									
pH										
Dilution Factor	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	330	U								
PHENOL	330	U								
BIS-(2-CHLOROETHYL)ETHER	330	U								
2-CHLOROPHENOL	330	U								
2-METHYLPHENOL	330	U								
2,2'-OXYBIS(1- CHLOROPROPANE)	330	UJ								
ACETOPHENONE	330	U								
4-METHYLPHENOL	330	U								
N-NITROSO-DI-N PROPYLAMINE	330	U								
HEXACHLOROETHANE	330	U								
NITROBENZENE	330	U								
ISOPHORONE	330	U								
2-NITROPHENOL	330	U								
2,4-DIMETHYLPHENOL	330	U								
BIS(2-CHLOROETHOXY)METHANE	330	U								
2,4-DICHLOROPHENOL	330	U								
NAPHTHALENE	330	U								
4-CHLOROANILINE	330	U								
HEXACHLOROBUTADIENE	330	U								
CAPROLACTAM	330	U								
4-CHLORO-3-METHYLPHENOL	330	U								
2-METHYLNAPHTHALENE	330	U								
HEXACHLOROCYCLO-PENTADIENE	330	U								
2,4,6-TRICHLOROPHENOL	330	U								
2,4,5-TRICHLOROPHENOL	830	U								
1,1'-BIPHENYL	330	U								
2-CHLORONAPHTHALENE	330	U								
2-NITROANILINE	830	U								
DIMETHYLPHTHALATE	330	U								
2,6-DINITROTOLUENE	330	U								
ACENAPHTHYLENE	330	U								
3-NITROANILINE	830	U								
ACENAPHTHENE	330	U								

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Analytical Results (Qualified Data)

Case # 34138 SDG : E00N1
Site : EAGLE ZINC CO.
Lab : A4
Reviewer
Date

Sample Number	SBLK4C									
Sampling Location										
Matrix	Soil									
Units	ug/Kg									
Date Sampled										
Time Sampled										
%Moisture	N/A									
pH										
Dilution Factor	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	830	R								
4-NITROPHENOL	830	U								
DIBENZOFURAN	330	U								
2,4-DINITROTOLUENE	330	U								
DIETHYLPHTHALATE	330	U								
FLUORENE	330	U								
4-CHLOROPHENYL-PHENYL ETHER	330	U								
4-NITROANILINE	830	U								
4,6-DINITRO-2-METHYLPHENOL	830	UJ								
N-NITROSO DIPHENYLAMINE	330	U								
4-BROMOPHENYL-PHENYLETHER	330	U								
HEXACHLOROBENZENE	330	U								
ATRAZINE	330	U								
PENTACHLOROPHENOL	830	U								
PHENANTHRENE	330	U								
ANTHRACENE	330	U								
CARBAZOLE	330	U								
DI-N-BUTYLPHTHALATE	330	U								
FLUORANTHENE	330	U								
PYRENE	330	U								
BUTYLBENZYLPHTHALATE	330	U								
3,3'-DICHLOROBENZIDINE	330	U								
BENZO(A)ANTHRACENE	330	U								
CHRYSENE	330	U								
BIS(2-ETHYLHEXYL)PHTHALATE	330	U								
DI-N-OCTYLPHTHALATE	330	U								
BENZO(B)FLUORANTHENE	330	U								
BENZO(K)FLUORANTHENE	330	U								
BENZO(A)PYRENE	330	U								
INDENO(1,2,3-CD)-PYRENE	330	U								
DIBENZO(A,H)-ANTHRACENE	330	U								
BENZO(G,H,I)PERYLENE	330	U								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-2-05

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Eagle Zinc Co., IL

CASE NUMBER: 34138 SDG NUMBER: E00N1

Number and Type of Samples: 3 Soil Samples.

Sample Numbers: E00N1, 2, E00P4

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Sample Delivery Group(SDG)
Cover Sheet

SDG Number: E00N1

Laboratory Name.: A4 SCIENTIFIC, INC. **Laboratory Code.:** A4

Contract No.: 68W03027 **Case No.:** 34138

Analysis Price: $305.00 **SDG Turnaround:** 21 **days**

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)E00N1	7)	13)	19)
2)E00N2	8)	14)	20)
3)E00P4	9)	15)	21)
4)	10)	16)	22)
5)	11)	17)	23)
6)	12)	18)	24)

E00N1
First Sample in SDG

E00P4
Last Sample in SDG

04/28/2005
First Sample Receipt Date

04/29/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature _____ **Date** 4/30/05

EPA USEPA Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No: KK 4/28/05
SDG No: E00N1

L

Date Shipped:	4/27/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024286
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4		KK 4/28/05	9:30

Sampler Signature:

For Lab Use Only

Lab Contract No:	68W003027
Unit Price:	$305.00
Transfer To:	
Lab Contract No:	
Unit Price:	KK 4/28/05

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00N1	Sediment/ Jerry Willman	L/G	BNA (21)	5-263443 (1)	X204	S: 4/26/2005 18:40	ME00N1 Dry 1st SV	6099.001 Intact

KK 4/28/05

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): KK 4/28/05	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: 82758
Analysis Key: BNA = CLP TCL Semivolatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

TR Number: 5-314975591-042605-0002

LABORATORY COPY

PR provides prelim results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sa. Management Office, 2000 Edmund Halley Dr , Reston, VA. 20191-3400 Phone 7[illegible]4-9348 Fax 703/264-9222

269

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34138
DAS No: KK 4/29/05
SDG No: E00N1

L

Date Shipped:	4/28/2005
Carrier Name:	UPS
Airbill:	1Z6215892210024053
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	4/28/05 / 1100		
2			
3			
4		KK 4/29/05	10:30

For Lab Use Only

Lab Contract No:	68W03027
Unit Price:	$305.00
Transfer To:	
Lab Contract No:	
Unit Price:	KK 4/29/05

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00N2	Sediment/ Jerry Willman	L/G	BNA (21)	5-263445 (Ice Only) (1)	X202	S: 4/27/2005	8:50	ME00N2	6107 001 Intact
E00P4	Sediment/ Jerry Willman	L/G	BNA (21)	5-218175 (Ice Only) (1)	X201	S: 4/27/2005	15:20	ME00P4	.002

KK 4/29/05

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
		KK 4/29/05	2.5°C	82745

Analysis Key: BNA = CLP TCL Semivolatiles

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact? Y

Shipment Iced? Y

TR Number: 5-314975591-042805-0001

270

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: 68W03027	Case #: 34138	SDG #: E00N1

SDG NARRATIVE

SAMPLE RECEIPT & LOGIN

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

EPA SAMPLE #	LAB SAMPLE #	DATE /TIME RECEIVED	AIRBILL NO.	VOA	BNA	PEST	REMARKS
E00N1	6099.001	4/28/05 9:30	1Z6215892210024286		X		
E00N2	6107.001	4/29/05 10:00	1Z6215892210024053		X		
E00P4	6107.002	4/29/05 10:00	1Z6215892210024053		X		

The cooler temperatures are listed against the coolers.

DATE RECEIVED	COOLER NO.	Temp (in °C)
4/27/05	1	2.5
4/29/05	1	2.5

No discrepancies or issues were noted during sample receipt and login.

SEMI-VOLATILES

samples were extracted using the sonication method on 05/02/2005. No problems were encountered during extraction. GPC cleanup was performed on all soil samples and the associated Blanks, MS, and MSD.

All samples were analyzed on a HP5973 GC-MS using a 30-meter HP-5MS column (Agilent cat#19091S-433) having a 0.25mm ID and a 0.25μm film thickness. A 2μL injection was used.

Manual integrations were performed for the following samples for the compounds listed against them.

SSTD0507F – Pentachlorophenol

These manual integrations were necessary because the software failed to accurately integrate the entire peak. In all the above instances, the quantitation reports are flagged with "m". A hard copy printout of the manual integration, the scan ranges, and initials of the analyst or manager is included in the data package.

The following equation is used for calculation of sample results from raw instrument output data:

$$\text{Concentration } (\mu g/Kg) = \frac{(Ax)(Is)(Vt)(Df)(GPC)}{(Ais)(RRF)(Vi)(Ws)(D)}$$

A_x = Area of the characteristic ion for the compound to be measured.
A_{is} = Area of the characteristic ion for the internal standard.
I_s = Amount of internal standard injected in nanograms (ng).
V_t = Volume of the concentrated extract in microliters (μL).
V_i = Volume of the extract injected in microliters (μL).
$D = \frac{100 - \%moisture}{100}$
W_s = Weight of sample extracted in grams (g)

A4 SCIENTIFIC, INC.

1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: 68W03027	Case #: 34138	SDG #: E00N1

SDG NARRATIVE

GPC = GPC factor (GPC = 2.0 to account for GPC cleanup)
D*f* = Dilution factor

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 hard copy data package and in the computer readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature:

KK / QC Coordinator
Signature and Title

6/1/05
Date of Signature

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS NO.: SDG No.: E00N1

Level(low/med): LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	E00N1	50	56	56	45	30	52	43	44	0
02	E00N2	47	52	54	51	46	50	50	49	0
03	E00P4	44	54	62	64	56	78	57	35	0
04	E00P4MS	54	56	59	53	51	61	54	54	0
05	E00P4MSD	52	54	58	55	51	61	54	55	0
06	SBLK4C	54	63	71	50	51	54	49	57	0
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
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			QC LIMITS
S1	(NBZ)	= Nitrobenzene-d5	(23-120)
S2	(FBP)	= 2-Fluorobiphenyl	(30-115)
S3	(TPH)	= TerPhenyl-d14	(18-137)
S4	(PHL)	= Phenol-d5	(24-113)
S5	(2FP)	= 2-Fluorophenol	(25-121)
S6	(TBP)	= 2,4,6-Tribromophenol	(19-122)
S7	(2CP)	= 2-Chlorophenol-d4	(20-130) (advisory)
S8	(DCB)	= 1,2-Dichlorobenzene-d4	(20-130) (advisory)

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

FORM II SV-2

OLM04.3

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix Spike - EPA Sample No.: E00P4 Level:(Low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	8300	0	3900	47	26-90
2-Chlorophenol	8300	0	3900	47	25-102
N-Nitroso-di-n-prop.(1)	5500	0	2400	44	41-126
4-Chloro-3-methylphenol	8300	0	3700	45	26-103
Acenaphthene	5500	0	2600	47	31-137
4-Nitrophenol	8300	0	3700	45	11-114
2,4-Dinitrotoluene	5500	0	2500	45	28-89
Pentachlorophenol	8300	0	4200	51	17-109
Pyrene	5500	0	1900	35	35-142

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	8400	4100	49	4	35	26-90
2-Chlorophenol	8400	3900	46	2	50	25-102
N-Nitroso-di-n-prop.(1)	5600	2600	46	4	38	41-126
4-Chloro-3-methylphenol	8400	4200	50	11	33	26-103
Acenaphthene	5600	2600	46	2	19	31-137
4-Nitrophenol	8400	4100	49	9	50	11-114
2,4-Dinitrotoluene	5600	2500	45	0	47	28-89
Pentachlorophenol	8400	4400	52	2	47	17-109
Pyrene	5600	1800	32 *	9	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD Values with an asterisk

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 1 out of 18 outside limits

COMMENTS: _____

_____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK4C

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Lab File ID: D2393 Lab Sample ID: SVOB4C

Instrument ID: D-5973 Date Extracted: 05/02/05

Matrix: (soil/water) SOIL Date Analyzed: 05/27/05

Level: (low/med) LOW Time Analyzed: 2123

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E00N1	6099.001	D2398	05/28/05
02	E00N2	6107.001	D2394	05/27/05
03	E00P4	6107.002	D2408	05/28/05
04	E00P4MS	6107.002MS	D2409	05/28/05
05	E00P4MSD	6107.002MSD	D2410	05/28/05
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COMMENTS: _____

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page 1 of 1

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6099.001

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2398

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 44 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	590	U
108-95-2	Phenol	590	U
111-44-4	bis(2-Chloroethyl)ether	590	U
95-57-8	2-Chlorophenol	590	U
95-48-7	2-Methylphenol	590	U
108-60-1	2,2'-oxybis(1-Chloropropane)	590	U
98-86-2	Acetophenone	590	U
106-44-5	4-Methylphenol	590	U
621-64-7	N-Nitroso-di-n-propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	590	U
105-67-9	2,4-Dimethylphenol	590	U
111-91-1	bis(2-Chloroethoxy)methane	590	U
120-83-2	2,4-Dichlorophenol	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
105-60-2	Caprolactam	590	U
59-50-7	4-Chloro-3-methylphenol	590	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	590	U
95-95-4	2,4,5-Trichlorophenol	1500	U
92-52-4	1,1'-Biphenyl	590	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethylphthalate	590	U
606-20-2	2,6-Dinitrotoluene	590	U
208-96-8	Acenaphthylene	590	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	590	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6099.001

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2396

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 44 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	590	U
121-14-2	2,4-Dinitrotoluene	590	U
84-66-2	Diethylphthalate	590	U
86-73-7	Fluorene	590	U
7005-72-3	4-Chlorophenyl-phenylether	590	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine (1)	590	U
101-55-3	4-Bromophenyl-phenylether	590	U
118-74-1	Hexachlorobenzene	590	U
1912-24-9	Atrazine	590	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	590	U
120-12-7	Anthracene	590	U
86-74-8	Carbazole	590	U
84-74-2	Di-n-butylphthalate	590	U
206-44-0	Fluoranthene	62	J
129-00-0	Pyrene	590	U
85-68-7	Butylbenzylphthalate	590	U
91-94-1	3,3'-Dichlorobenzidine	590	U
56-55-3	Benzo(a)anthracene	590	U
218-01-9	Chrysene	590	U
117-81-7	bis(2-Ethylhexyl)phthalate	590	U
117-84-0	Di-n-octylphthalate	590	U
205-99-2	Benzo(b)fluoranthene	590	U
207-08-9	Benzo(k)fluoranthene	590	U
50-32-8	Benzo(a)pyrene	590	U
193-39-5	Indeno(1,2,3-cd)pyrene	590	U
53-70-3	Dibenzo(a,h)anthracene	590	U
191-24-2	Benzo(g,h,i)perylene	590	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6099.001

Sample wt/vol: 29.8 (g/mL) G Lab File ID: D2398

Level: (low/med) LOW Date Received: 04/28/05

% Moisture: 44 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00N2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.001

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2394

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 32 Decanted: (Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	490	U
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)ether	490	U
95-57-8	2-Chlorophenol	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
98-86-2	Acetophenone	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-di-n-propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
91-20-3	Naphthalene	490	U
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
105-60-2	Caprolactam	490	U
59-50-7	4-Chloro-3-methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	490	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	490	U
606-20-2	2,6-Dinitrotoluene	490	U
208-96-8	Acenaphthylene	490	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	490	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00N3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.001

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2394

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 32 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	490	U
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
86-73-7	Fluorene	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
1912-24-9	Atrazine	490	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	490	U
120-12-7	Anthracene	490	U
86-74-8	Carbazole	490	U
84-74-2	Di-n-butylphthalate	490	U
206-44-0	Fluoranthene	490	U
129-00-0	Pyrene	490	U
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)anthracene	490	U
218-01-9	Chrysene	490	U
117-81-7	bis(2-Ethylhexyl)phthalate	490	U
117-84-0	Di-n-octylphthalate	490	U
205-99-2	Benzo(b)fluoranthene	490	U
207-08-9	Benzo(k)fluoranthene	490	U
50-32-8	Benzo(a)pyrene	490	U
193-39-5	Indeno(1,2,3-cd)pyrene	490	U
53-70-3	Dibenzo(a,h)anthracene	490	U
191-24-2	Benzo(g,h,i)perylene	490	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00N2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.001

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2394

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 32 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Extraction: (Type) SONC

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00P4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2408

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1100	U
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	1100	U
95-48-7	2-Methylphenol	1100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100	U
98-86-2	Acetophenone	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	N-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
105-60-2	Caprolactam	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	2700	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	2700	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
208-96-8	Acenaphthylene	1100	U
99-09-2	3-Nitroaniline	2700	U
83-32-9	Acenaphthene	1100	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E00P4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2408

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2700	U
100-02-7	4-Nitrophenol	2700	U
132-64-9	Dibenzofuran	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	2700	U
534-52-1	4,6-Dinitro-2-methylphenol	2700	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
1912-24-9	Atrazine	1100	U
87-86-5	Pentachlorophenol	2700	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
86-74-8	Carbazole	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo(b)fluoranthene	1100	U
207-08-9	Benzo(k)fluoranthene	1100	U
50-32-8	Benzo(a)pyrene	1100	U
193-39-5	Indeno(1,2,3-cd)pyrene	1100	U
53-70-3	Dibenzo(a,h)anthracene	1100	U
191-24-2	Benzo(g,h,i)perylene	1100	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00P4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2408

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

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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FORM I SV-TIC OLM04.3

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00P4MS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002MS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2409

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1100	U
108-95-2	Phenol	3900	
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	3900	
95-48-7	2-Methylphenol	1100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100	U
98-86-2	Acetophenone	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	N-Nitroso-di-n-propylamine	2400	
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
105-60-2	Caprolactam	1100	U
59-50-7	4-Chloro-3-methylphenol	3700	
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	2800	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	2800	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
208-96-8	Acenaphthylene	1100	U
99-09-2	3-Nitroaniline	2800	U
83-32-9	Acenaphthene	2600	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00P4MS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002MS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2409

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2800	U
100-02-7	4-Nitrophenol	3700	
132-64-9	Dibenzofuran	1100	U
121-14-2	2,4-Dinitrotoluene	2500	
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	2800	U
534-52-1	4,6-Dinitro-2-methylphenol	2800	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
1912-24-9	Atrazine	1100	U
87-86-5	Pentachlorophenol	4200	
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
86-74-8	Carbazole	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo(b)fluoranthene	1100	U
207-08-9	Benzo(k)fluoranthene	1100	U
50-32-8	Benzo(a)pyrene	1100	U
193-39-5	Indeno(1,2,3-cd)pyrene	1100	U
53-70-3	Dibenzo(a,h)anthracene	1100	U
191-24-2	Benzo(g,h,i)perylene	1100	U

(1) Cannot be separated from Diphenylamine

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: EN001 CERCLIS No: ILD980606941

Case No: 34138 Site Name/Location: Eagle Zinc Co., ~~IN~~ IL 6-1-05

Contractor or EPA Lab: A4 Scientific Data User: IEPA

No. of Samples: 3 Date Sampled or Date Received: 6-2-05

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: ____ No. of samples received: ____

Received by: James P. Burden Date: 6-2-05

Received by LSSS: James P. Burden Date: 6-7-05

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: ____ Date: ____

Mailed to user by: James P. Burden Date: 6-9-05

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK4C

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: SVOB4C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2393

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____ Extraction: (Type) SONC

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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FORM I SV-TIC OLM04.3

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK4C

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: SVOB4C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2393

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK4C

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: SVOB4C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2393

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E00P4MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002MSD

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2410

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2800	U
100-02-7	4-Nitrophenol	4100	
132-64-9	Dibenzofuran	1100	U
121-14-2	2,4-Dinitrotoluene	2500	
84-66-2	Diethylphthalate	1100	U
86-73-7	Fluorene	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
100-01-6	4-Nitroaniline	2800	U
534-52-1	4,6-Dinitro-2-methylphenol	2800	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
1912-24-9	Atrazine	1100	U
87-86-5	Pentachlorophenol	4400	
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
86-74-8	Carbazole	1100	U
84-74-2	Di-n-butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1100	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-octylphthalate	1100	U
205-99-2	Benzo(b)fluoranthene	1100	U
207-08-9	Benzo(k)fluoranthene	1100	U
50-32-8	Benzo(a)pyrene	1100	U
193-39-5	Indeno(1,2,3-cd)pyrene	1100	U
53-70-3	Dibenzo(a,h)anthracene	1100	U
191-24-2	Benzo(g,h,i)perylene	1100	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00P4MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34138 SAS No.: _____ SDG No.: E00N1

Matrix: (soil/water) SOIL Lab Sample ID: 6107.002MSD

Sample wt/vol: 29.6 (g/mL) G Lab File ID: D2410

Level: (low/med) LOW Date Received: 04/29/05

% Moisture: 70 Decanted:(Y/N) N Date Extracted: 05/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/28/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1100	U
108-95-2	Phenol	4100	
111-44-4	bis(2-Chloroethyl)ether	1100	U
95-57-8	2-Chlorophenol	3900	
95-48-7	2-Methylphenol	1100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100	U
98-86-2	Acetophenone	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	N-Nitroso-di-n-propylamine	2600	
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
105-60-2	Caprolactam	1100	U
59-50-7	4-Chloro-3-methylphenol	4200	
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	2800	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	2800	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
208-96-8	Acenaphthylene	1100	U
99-09-2	3-Nitroaniline	2800	U
83-32-9	Acenaphthene	2600	