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SOIL-73 Final Report

Soil/Hazardous Waste Proficiency Testing

Soil Study

Open Date: 01/24/11

Close Date: 03/10/11

Report Issued Date: 03/29/11

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March 29, 2011

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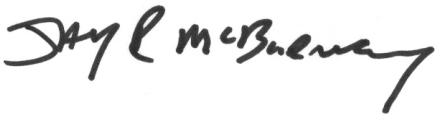
Enclosed is your final report for ERA's SOIL-73 Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's SOIL-73 Proficiency Testing (PT) study have been evaluated using the following tiered approach. If the analyte is listed in the most current National Environmental Laboratory Accreditation Conference (NELAC) PT Field of Testing tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the NELAC FoPT tables. If the analyte is not included in the NELAC FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have well over three hundred years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be helpful in helping you work through your technical issues.

Thank you for your participation in ERA's SOIL-73 Proficiency Testing study. If you have any questions, please contact the proficiency testing department, or myself, at 1-800-372-0122.

Sincerely,



Jay R. McBurney
Quality Program Manager

attachments
jrm

Report Recipient	Contact/Phone Number	Reporting Type
Florida	Steve Arms / 904-791-1502	All Analytes

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SOIL-73 Definitions & Study Discussion

Study Dates: 01/24/11 - 03/10/11 **Report Issued: 03/29/11**

SOIL Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA assigned value for the Organic Proficiency Testing Standards is equal to 100% of the parameter present in the standard as determined by gravimetric and/or volumetric measurements made during standard preparation as applicable. The ERA assigned value for the Inorganic Proficiency Testing Standards, with the exception of the TCLP Metals in Soil, is equal to the maximum amount of the parameter available in the standard by applicable EPA methodologies. The ERA assigned value for the TCLP metals is equal to the mean of ERA's internal analytical analyses. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards. All NELAC parameters not added to a standard are given an assigned Value of "0", per the guidance issued by the NELAC Board of Directors, on December 14, 2000. Non-NELAC parameters not added to a standard may be given an assigned value of less than a minimum verified concentration as determined in the background soil for applicable EPA methodologies.

The Acceptance Limits are established per the NELAC PT program criteria or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

Acceptable	= Reported Value falls within the Acceptance Limits.
Not Acceptable	= Reported Value falls outside the Acceptance Limits.
No Evaluation	= Reported Value cannot be evaluated.
Not Reported	= No Value reported.

The Method Description is the method the laboratory reported to ERA.

SOIL Study Discussion

ERA's SOIL-73 Proficiency Testing (PT) study has been reviewed by ERA senior management and certified compliant with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC), Proficiency Testing Program Standards, Chapter 2, July 2003.

Per the requirements of the NELAC Proficiency Testing Program, a full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes in the Soil study standards met the acceptance criteria contained in the NELAC Proficiency Testing Program Standards, Chapter 2, July 2003. If the analyte is included in the NELAC Fields of Testing list, the acceptance limits were calculated based on the NELAC Proficiency Testing Program Standards, Chapter 2, July 2003. If the analyte is not included in the NELAC Fields of Testing list, the acceptance limits were calculated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260, Rev. 2.0).

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

If you have any questions or concerns regarding your assessment in ERA's SOIL Proficiency Testing program, please contact Jay McBurney, Quality Program Manager, or the proficiency testing department at 1-800-372-0122.

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Study: **SOIL-73**

ERA Customer Number: **S744803**

Laboratory Name: **State of Florida DEP Chemistry Laboratory**

Inorganic Results

SOIL-73 Final Complete Report

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SOIL Metals in Soil (cat# 620)

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
1000	Aluminum	mg/kg	13500	14000	4920 - 16300	Acceptable	EPA 6010C
1005	Antimony	mg/kg	69.7	260	26.0 - 303	Acceptable	EPA 6010C
1010	Arsenic	mg/kg	128	144	86.5 - 161	Acceptable	EPA 6010C
1015	Barium	mg/kg	334	332	234 - 398	Acceptable	EPA 6010C
1020	Beryllium	mg/kg	105	99.1	70.8 - 119	Acceptable	EPA 6010C
1025	Boron	mg/kg	168	173	95.6 - 201	Acceptable	EPA 6010C
1030	Cadmium	mg/kg	122	123	84.9 - 147	Acceptable	EPA 6010C
1035	Calcium	mg/kg	11600	12200	8250 - 13500	Acceptable	EPA 6010C
1040	Chromium	mg/kg	105	103	66.5 - 125	Acceptable	EPA 6010C
1050	Cobalt	mg/kg	150	147	102 - 173	Acceptable	EPA 6010C
1055	Copper	mg/kg	89.9	87.2	61.1 - 104	Acceptable	EPA 6010C
1070	Iron	mg/kg	22900	22900	7700 - 28800	Acceptable	EPA 6010C
1075	Lead	mg/kg	151	144	100 - 174	Acceptable	EPA 6010C
1085	Magnesium	mg/kg	3570	3530	2020 - 4070	Acceptable	EPA 6010C
1090	Manganese	mg/kg	579	598	448 - 708	Acceptable	EPA 6010C
1095	Mercury	mg/kg	15.3	15.2	7.82 - 22.6	Acceptable	DEPSOP:HG-008-3
1100	Molybdenum	mg/kg	97.2	101	61.5 - 116	Acceptable	EPA 6010C
1105	Nickel	mg/kg	134	130	87.9 - 153	Acceptable	EPA 6010C
1125	Potassium	mg/kg	2170	1980	1060 - 2670	Acceptable	EPA 6010C
1140	Selenium	mg/kg	215	221	138 - 265	Acceptable	EPA 6010C
1150	Silver	mg/kg	56.7	56.0	35.7 - 71.4	Acceptable	EPA 6010C
1155	Sodium	mg/kg	800	823	410 - 1040	Acceptable	EPA 6010C
1160	Strontium	mg/kg	81.2	77.1	51.2 - 95.1	Acceptable	EPA 6010C
1165	Thallium	mg/kg	245	246	160 - 301	Acceptable	EPA 6010C
1175	Tin	mg/kg	142	143	78.0 - 186	Acceptable	EPA 6010C
1180	Titanium	mg/kg	502	488	0.00 - 820	Acceptable	EPA 6010C
1185	Vanadium	mg/kg	112	108	68.8 - 139	Acceptable	EPA 6010C
1190	Zinc	mg/kg	279	296	196 - 354	Acceptable	EPA 6010C

SOIL-73 Final Complete Report

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
SOIL Metals in Soil (cat# 620)							
1000	Aluminum	mg/kg		14000	4920 - 16300	Not Reported	
1005	Antimony	mg/kg	96.8	260	26.0 - 303	Acceptable	EPA 6020A
1010	Arsenic	mg/kg	137	144	86.5 - 161	Acceptable	EPA 6020A
1015	Barium	mg/kg	347	332	234 - 398	Acceptable	EPA 6020A
1020	Beryllium	mg/kg	99.8	99.1	70.8 - 119	Acceptable	EPA 6020A
1025	Boron	mg/kg		173	95.6 - 201	Not Reported	
1030	Cadmium	mg/kg	127	123	84.9 - 147	Acceptable	EPA 6020A
1035	Calcium	mg/kg		12200	8250 - 13500	Not Reported	
1040	Chromium	mg/kg	110	103	66.5 - 125	Acceptable	EPA 6020A
1050	Cobalt	mg/kg	148	147	102 - 173	Acceptable	EPA 6020A
1055	Copper	mg/kg	87.6	87.2	61.1 - 104	Acceptable	EPA 6020A
1070	Iron	mg/kg		22900	7700 - 28800	Not Reported	
1075	Lead	mg/kg	149	144	100 - 174	Acceptable	EPA 6020A
1085	Magnesium	mg/kg		3530	2020 - 4070	Not Reported	
1090	Manganese	mg/kg	590	598	448 - 708	Acceptable	EPA 6020A
1095	Mercury	mg/kg		15.2	7.82 - 22.6	Not Reported	
1100	Molybdenum	mg/kg	101	101	61.5 - 116	Acceptable	EPA 6020A
1105	Nickel	mg/kg	133	130	87.9 - 153	Acceptable	EPA 6020A
1125	Potassium	mg/kg		1980	1060 - 2670	Not Reported	
1140	Selenium	mg/kg	224	221	138 - 265	Acceptable	EPA 6020A
1150	Silver	mg/kg	54.2	56.0	35.7 - 71.4	Acceptable	EPA 6020A
1155	Sodium	mg/kg		823	410 - 1040	Not Reported	
1160	Strontium	mg/kg		77.1	51.2 - 95.1	Not Reported	
1165	Thallium	mg/kg	252	246	160 - 301	Acceptable	EPA 6020A
1175	Tin	mg/kg		143	78.0 - 186	Not Reported	
1180	Titanium	mg/kg		488	0.00 - 820	Not Reported	
1185	Vanadium	mg/kg		108	68.8 - 139	Not Reported	
1190	Zinc	mg/kg	307	296	196 - 354	Acceptable	EPA 6020A
SOIL Nutrients in Soil (cat# 869)							
1515	Ammonia as N	mg/kg		1180	617 - 1360	Not Reported	
1795	Total Kjeldahl Nitrogen	mg/kg		1550	831 - 2240	Not Reported	
2040	Total Organic Carbon (TOC)	mg/kg	2850	2690	269 - 5920	Acceptable	DEPSOP:NU-076-1
1910	Total Phosphorus	mg/kg		576	138 - 908	Not Reported	

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Study: **SOIL-73**

ERA Customer Number: **S744803**

Laboratory Name: **State of Florida DEP Chemistry Laboratory**

Organic Results

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SOIL Volatiles in Soil (cat# 623)

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
4315	Acetone	µg/kg	148	280	40.0 - 503	Acceptable	EPA 8260C
4320	Acetonitrile	µg/kg		659	148 - 967	Not Reported	
4325	Acrolein	µg/kg		0.00		Not Reported	
4375	Benzene	µg/kg	150	149	90.0 - 203	Acceptable	EPA 8260C
4385	Bromobenzene	µg/kg		91.6	56.6 - 136	Not Reported	
4395	Bromodichloromethane	µg/kg	< 0.800	0.00		Acceptable	EPA 8260C
4400	Bromoform	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
4950	Bromomethane	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
4410	2-Butanone (MEK)	µg/kg	< 20.0	0.00		Acceptable	EPA 8260C
5000	tert-Butyl methyl ether (MTBE)	µg/kg	35.9	34.9	14.1 - 59.0	Acceptable	EPA 8260C
4450	Carbon disulfide	µg/kg		0.00		Not Reported	
4455	Carbon tetrachloride	µg/kg	< 0.800	0.00		Acceptable	EPA 8260C
4475	Chlorobenzene	µg/kg	< 0.800	0.00		Acceptable	EPA 8260C
4575	Chlorodibromomethane	µg/kg	< 0.800	0.00		Acceptable	EPA 8260C
4485	Chloroethane	µg/kg	198	171	78.7 - 268	Acceptable	EPA 8260C
4500	2-Chloroethylvinylether	µg/kg		0.00		Not Reported	
4505	Chloroform	µg/kg	98.8	87.2	52.5 - 122	Acceptable	EPA 8260C
4960	Chloromethane	µg/kg	124	114	31.7 - 188	Acceptable	EPA 8260C
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/kg		0.00		Not Reported	
4585	1,2-Dibromoethane (EDB)	µg/kg		142	89.5 - 201	Not Reported	
4595	Dibromomethane	µg/kg		0.00		Not Reported	
4610	1,2-Dichlorobenzene	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
4615	1,3-Dichlorobenzene	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
4620	1,4-Dichlorobenzene	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
4625	Dichlorodifluoromethane (Freon 12)	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
4630	1,1-Dichloroethane	µg/kg	155	146	83.0 - 210	Acceptable	EPA 8260C
4635	1,2-Dichloroethane	µg/kg	230	186	107 - 257	Acceptable	EPA 8260C
4640	1,1-Dichloroethylene	µg/kg	220	176	113 - 271	Acceptable	EPA 8260C
4645	cis-1,2-Dichloroethylene	µg/kg	45.9	43.3	25.6 - 63.0	Acceptable	EPA 8260C
4700	trans-1,2-Dichloroethylene	µg/kg	130	126	81.2 - 183	Acceptable	EPA 8260C
4655	1,2-Dichloropropane	µg/kg	179	183	107 - 244	Acceptable	EPA 8260C
4680	cis-1,3-Dichloropropylene	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
SOIL Volatiles in Soil (cat# 623) (Continued)							
4685	trans-1,3-Dichloropropylene	µg/kg	133	147	75.6 - 207	Acceptable	EPA 8260C
4765	Ethylbenzene	µg/kg	118	117	65.1 - 167	Acceptable	EPA 8260C
4860	2-Hexanone	µg/kg	212	281	84.6 - 415	Acceptable	EPA 8260C
4900	Isopropylbenzene	µg/kg		113	56.4 - 183	Not Reported	
4975	Methylene chloride	µg/kg	88.6	88.2	41.0 - 129	Acceptable	EPA 8260C
4995	4-Methyl-2-pentanone (MIBK)	µg/kg	186	211	92.4 - 307	Acceptable	EPA 8260C
5005	Naphthalene	µg/kg		82.8	39.6 - 121	Not Reported	
5100	Styrene	µg/kg	55.2	48.7	29.8 - 75.1	Acceptable	EPA 8260C
5105	1,1,1,2-Tetrachloroethane	µg/kg		0.00		Not Reported	
5110	1,1,2,2-Tetrachloroethane	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
5115	Tetrachloroethylene	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
5140	Toluene	µg/kg	90.3	92.9	53.2 - 131	Acceptable	EPA 8260C
5155	1,2,4-Trichlorobenzene	µg/kg		97.3	33.6 - 147	Not Reported	
5160	1,1,1-Trichloroethane	µg/kg	118	109	61.6 - 156	Acceptable	EPA 8260C
5165	1,1,2-Trichloroethane	µg/kg	48.9	48.6	29.4 - 69.2	Acceptable	EPA 8260C
5170	Trichloroethylene	µg/kg	99.2	106	54.3 - 151	Acceptable	EPA 8260C
5175	Trichlorofluoromethane	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
5180	1,2,3-Trichloropropane (TCP)	µg/kg		140	60.3 - 218	Not Reported	
5225	Vinyl acetate	µg/kg		0.00		Not Reported	
5235	Vinyl chloride	µg/kg	< 2.00	0.00		Acceptable	EPA 8260C
5260	Xylenes, total	µg/kg	311	306	152 - 448	Acceptable	EPA 8260C

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
SOIL Base/Neutrals and Acids in Soil (cat# 467)							
5500	Acenaphthene	µg/kg	7040	7170	2040 - 8910	Acceptable	EPA 8270D
5505	Acenaphthylene	µg/kg	6850	6750	1750 - 8970	Acceptable	EPA 8270D
5145	2-Amino-1-methylbenzene (o-toluidine)	µg/kg		0.00		Not Reported	
5545	Aniline	µg/kg		0.00		Not Reported	
5555	Anthracene	µg/kg	5320	5260	1370 - 7100	Acceptable	EPA 8270D
5595	Benzidine	µg/kg		0.00		Not Reported	
5610	Benzoic acid	µg/kg		0.00		Not Reported	
5575	Benzo(a)anthracene	µg/kg	3770	3630	1170 - 4720	Acceptable	EPA 8270D
5585	Benzo(b)fluoranthene	µg/kg	3550	3690	988 - 5050	Acceptable	EPA 8270D
5600	Benzo(k)fluoranthene	µg/kg	< 6.70	0.00		Acceptable	EPA 8270D
5590	Benzo(g,h,i)perylene	µg/kg	< 6.70	0.00		Acceptable	EPA 8270D
5580	Benzo(a)pyrene	µg/kg	7810	7920	1950 - 10800	Acceptable	EPA 8270D
5630	Benzyl alcohol	µg/kg		0.00		Not Reported	
5760	bis(2-Chloroethoxy)methane	µg/kg	9210	9500	2020 - 11900	Acceptable	EPA 8270D
5765	bis(2-Chloroethyl)ether	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
5780	bis(2-Chloroisopropyl)ether	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
5660	4-Bromophenyl-phenylether	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
5670	Butylbenzylphthalate	µg/kg	11300	9630	2320 - 14200	Acceptable	EPA 8270D
5680	Carbazole	µg/kg		0.00		Not Reported	
5745	4-Chloroaniline	µg/kg		0.00		Not Reported	
5700	4-Chloro-3-methylphenol	µg/kg	10200	10500	3130 - 12500	Acceptable	EPA 8270D
5790	1-Chloronaphthalene	µg/kg		0.00		Not Reported	
5795	2-Chloronaphthalene	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
5800	2-Chlorophenol	µg/kg	2640	2890	300 - 3680	Acceptable	EPA 8270D
5825	4-Chlorophenyl-phenylether	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
5855	Chrysene	µg/kg	4290	5810	1630 - 7290	Acceptable	EPA 8270D
5895	Dibenz(a,h)anthracene	µg/kg	6490	9170	2680 - 11100	Acceptable	EPA 8270D
5905	Dibenzofuran	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
5925	Di-n-butylphthalate	µg/kg	< 300	0.00		Acceptable	EPA 8270D
4610	1,2-Dichlorobenzene	µg/kg		6930	693 - 8150	Not Reported	
4615	1,3-Dichlorobenzene	µg/kg		0.00		Not Reported	
4620	1,4-Dichlorobenzene	µg/kg		0.00		Not Reported	

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
SOIL Base/Neutrals and Acids in Soil (cat# 467) (Continued)							
5945	3,3'-Dichlorobenzidine	µg/kg		0.00		Not Reported	
6000	2,4-Dichlorophenol	µg/kg	7090	7690	1420 - 9680	Acceptable	EPA 8270D
6005	2,6-Dichlorophenol	µg/kg	9670	9140	1280 - 11200	Acceptable	EPA 8270D
6070	Diethylphthalate	µg/kg	11800	10900	2510 - 14700	Acceptable	EPA 8270D
6130	2,4-Dimethylphenol	µg/kg	< 360	0.00		Acceptable	EPA 8270D
6135	Dimethylphthalate	µg/kg	8900	8500	2530 - 10800	Acceptable	EPA 8270D
6175	2,4-Dinitrophenol	µg/kg	< 360	0.00		Acceptable	EPA 8270D
6185	2,4-Dinitrotoluene	µg/kg	7830	7910	1600 - 10700	Acceptable	EPA 8270D
6190	2,6-Dinitrotoluene	µg/kg	6030	6040	1820 - 7390	Acceptable	EPA 8270D
6200	Di-n-octylphthalate	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
6065	bis(2-Ethylhexyl)phthalate	µg/kg	9770	8860	2430 - 12500	Acceptable	EPA 8270D
6265	Fluoranthene	µg/kg	9180	8590	2960 - 11300	Acceptable	EPA 8270D
6270	Fluorene	µg/kg	3140	3440	970 - 4360	Acceptable	EPA 8270D
6275	Hexachlorobenzene	µg/kg	4000	4110	1290 - 5310	Acceptable	EPA 8270D
4835	Hexachlorobutadiene	µg/kg	< 180	0.00		Acceptable	EPA 8270D
6285	Hexachlorocyclopentadiene	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
4840	Hexachloroethane	µg/kg	11000	12800	794 - 14500	Acceptable	EPA 8270D
6315	Indeno(1,2,3-cd)pyrene	µg/kg	1440	0.00		Not Acceptable	EPA 8270D
6320	Isophorone	µg/kg	10800	11100	2830 - 13900	Acceptable	EPA 8270D
6360	4,6-Dinitro-2-methylphenol	µg/kg	1530	7740	0.00 - 8510	Acceptable	EPA 8270D
6385	2-Methylnaphthalene	µg/kg	5290	5510	1010 - 7130	Acceptable	EPA 8270D
6400	2-Methylphenol	µg/kg	5340	8260	826 - 9090	Acceptable	EPA 8270D
6412	3&4-Methylphenol	µg/kg	7180	8620	262 - 10100	Acceptable	EPA 8270D
5005	Naphthalene	µg/kg	2320	2690	444 - 3270	Acceptable	EPA 8270D
6460	2-Nitroaniline	µg/kg		0.00		Not Reported	
6465	3-Nitroaniline	µg/kg		0.00		Not Reported	
6470	4-Nitroaniline	µg/kg		0.00		Not Reported	
5015	Nitrobenzene	µg/kg	9440	10100	2000 - 12700	Acceptable	EPA 8270D
6490	2-Nitrophenol	µg/kg	9610	11000	1400 - 13400	Acceptable	EPA 8270D
6500	4-Nitrophenol	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
6525	N-Nitrosodiethylamine	µg/kg		0.00		Not Reported	
6530	N-Nitrosodimethylamine	µg/kg	4410	4940	207 - 5760	Acceptable	EPA 8270D

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EPA ID:	**FL01181**
ERA Customer Number:	**S744803**
Report Issued:	**03/29/11**
Study Dates:	**01/24/11 - 03/10/11**

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
SOIL Base/Neutrals and Acids in Soil (cat# 467) (Continued)							
6535	N-Nitrosodiphenylamine	µg/kg	< 60.0	0.00		Acceptable	EPA 8270D
6545	N-Nitroso-di-n-propylamine	µg/kg	8600	8680	1140 - 11800	Acceptable	EPA 8270D
6590	Pentachlorobenzene	µg/kg		0.00		Not Reported	
6605	Pentachlorophenol	µg/kg	2690	4520	600 - 4980	Acceptable	EPA 8270D
6615	Phenanthrene	µg/kg	11700	11200	3890 - 14000	Acceptable	EPA 8270D
6625	Phenol	µg/kg	7440	8510	851 - 11000	Acceptable	EPA 8270D
6665	Pyrene	µg/kg	2720	2760	825 - 3610	Acceptable	EPA 8270D
5095	Pyridine	µg/kg		0.00		Not Reported	
6715	1,2,4,5-Tetrachlorobenzene	µg/kg		0.00		Not Reported	
6735	2,3,4,6-Tetrachlorophenol	µg/kg		0.00		Not Reported	
5155	1,2,4-Trichlorobenzene	µg/kg	< 180	0.00		Acceptable	EPA 8270D
6835	2,4,5-Trichlorophenol	µg/kg	8690	8980	1410 - 11200	Acceptable	EPA 8270D
6840	2,4,6-Trichlorophenol	µg/kg	2650	2670	323 - 3680	Acceptable	EPA 8270D
SOIL Chlorinated Acid Herbicides in Soil (cat# 626)							
8505	Acifluorfen	µg/kg		358	0.00 - 580	Not Reported	
8530	Bentazon	µg/kg		782	0.00 - 1020	Not Reported	
8540	Chloramben	µg/kg		468	0.00 - 515	Not Reported	
8545	2,4-D	µg/kg	215	150	20.0 - 241	Acceptable	DEPSOP:LC-001-2
8560	2,4-DB	µg/kg	975	784	0.00 - 1150	Acceptable	DEPSOP:LC-001-2
8550	Dacthal diacid (DCPA)	µg/kg		0.00		Not Reported	
8555	Dalapon	µg/kg		0.00		Not Reported	
8595	Dicamba	µg/kg	243	370	37.0 - 501	Acceptable	DEPSOP:LC-001-2
8600	3,5-Dichlorobenzoic acid	µg/kg		0.00		Not Reported	
8605	Dichlorprop	µg/kg		905	0.00 - 1180	Not Reported	
8620	Dinoseb	µg/kg	371	316	0.00 - 634	Acceptable	DEPSOP:LC-001-2
7775	MCPA	µg/kg		0.00		Not Reported	
7780	MCPP	µg/kg		0.00		Not Reported	
6500	4-Nitrophenol	µg/kg		712	0.00 - 1050	Not Reported	
6605	Pentachlorophenol	µg/kg		191	0.00 - 261	Not Reported	
8645	Picloram	µg/kg		370	0.00 - 519	Not Reported	
8655	2,4,5-T	µg/kg	1370	953	95.3 - 1450	Acceptable	DEPSOP:LC-001-2
8650	2,4,5-TP (Silvex)	µg/kg	300	252	25.2 - 379	Acceptable	DEPSOP:LC-001-2