APPENDIX L

MATERIAL AND ANALYTICAL TESTING REPORTS

9563966

	CONTACTOR SUBMITTAL	Date 2/2/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**06**

To:	**John LaPlante**	**References:**	Natural Stone - Chemistry
		Drawing/Spec:	
Subject:	**Natural Stone – Partial Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Western Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the partial analytical (missing 5 analytes including Mirex, cis-Nonachlor, trans-Nonachlor, Oxychlordane and Dalaphon). The missing analytes will be supplied by TestAmerica at a later date.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	2/2/11		

Reply:

☐ Conforms to design concept
☒ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Comments: Partial results for this sample approved subject to re-submission for testing of highlighted analytes (Table 1) that exceeded reporting limits.

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. Jones Date: 02-03-2011
Anchor QEA, LLC

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Glenn Smalley	**Title:**	
	Date:	

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Composite (mg/kg)
Metals							
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	2260
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	5.97
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	1.06
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.498
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	3.84
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	8.36
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	2.55
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.0133
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	3.94
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.996
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	6.74
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.358
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.358
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	0.358
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.358
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.358
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	0.358
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.358
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.358
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.358
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.358
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.358
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.358
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.358
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.358
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.358
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.358
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.905
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.358
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.358
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.358
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.358
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.358
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.147
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.358
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.358
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.358
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.358
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.358
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.358
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.358
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.358
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.358
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.358
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.358
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.358
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.358
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.358
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.358
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.00548
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.00548
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.00548
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.00548

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Composite (mg/kg)
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.00548
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.00548
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.00548
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.00548
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.00548
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.00548
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.00548
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.00548
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.00548
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.00548
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.00548
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.00548
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.00548
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.011
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.00548
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.011
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.00548
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.00548
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.011
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.00841
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.00548
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.00548
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.00548
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.00548
Bromoethane	8260B	0.0100	NL	NL	NL		--
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.00548
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.00548
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.00548
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.00548
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.00548
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.00548
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.00548
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.00548
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.00548
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.00548
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.00548
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.00548
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.00548
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.00548
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.00548
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.00548
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.00548
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.00548
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.00548
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.00548
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.00548
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.00548
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.00548
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.00548
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.00548
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.00548
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.00548
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.000953
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.00548
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.00548

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Composite (mg/kg)
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.00548
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.00548
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.01	0.00548
Organochlorine Pesticides							
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.00358
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.00358
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.00358
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.00183
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.00358
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.00183
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.00183
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.00183
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.00183
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.00183
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.00183
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.00183
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.00358
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.00358
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.00358
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.00358
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.00358
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.00183
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.00183
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.0179
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	--
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	--
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	--
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.0716
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	--
Chlorinated Herbicides							
2,4,5-T	8151	0.020	NL	NL	--		0.0723
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0723
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	--
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.0723
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.0723
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.144
MCPA	8151	1	1.2E-02	77	NL	0.01	9.03
MCPP	8151	1	2.3E-02	150	NL	0.02	9.03
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0723
Polychlorinated Biphenyls (PCBs)							
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.0359
Dioxin/Furans, ng/kg							
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	1
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	5
OCDD	1613B	10	(3)	(3)	NL	(3)	10
Furans							
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	1
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	5
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	5

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Composite (mg/kg)
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	5
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	5
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	5
OCDF	1613B	10	(3)	(3)	NL	(3)	10

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDD, and 4,4'-DDT accordingly.

NL Not Listed
-- No value given
Non-detect value is greater than Reporting Limit

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

February 02, 2011

Glenn Smalley
USA ENVIRONMENT, L.P.
P.O. Box 87687
Houston, TX 77287

RE: Project 20118421
Project ID: SAN JAC. WASTE PITS

Dear Glenn Smalley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 04, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Client: USA ENVIRONMENT, L.P.

Project ID: SAN JAC. WASTE PITS

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylviania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Louisiana Dept. of Health and Hospitals (NELAC) LA100024

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, execpt in full, without
the written consent of Pace Analytical Services, Inc.

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Client: USA ENVIRONMENT, L.P.

Project ID: SAN JAC. WASTE PITS

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
COMPOSITE	20851237	Soil	30-Dec-10 13:25	04-Jan-11 10:00

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Narrative detail for project management:

This is a resubmitted report. Several compounds originally requested were omitted from the report. This resubmission now contains all of the additional requested compounds except for Bromoethane and Dalapon.

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

Surrogate recoveries outside of QC limits are qualified in the surrogate results section.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Analytical Method	Batch	Sample used for QC
EPA 8081	153393	Batch sample from another client
EPA 8151	153394	Batch sample from another client
EPA 8082	153665	Batch sample from another client
EPA 6010	153540	Batch sample from another client
EPA 7471	153538	Batch sample from another client
EPA 8270	153326	Batch sample from another client
EPA 8260	153396	Project sample COMPOSITE
Dry Weight Moisture	154772	Project sample COMPOSITE

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153326
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
83-32-9	Acenaphthene	1	ND		358.	30.6		07-Jan-11 11:15 JAM
208-96-8	Acenaphthylene	1	ND		358.	28.7		07-Jan-11 11:15 JAM
120-12-7	Anthracene	1	ND		358.	29.0		07-Jan-11 11:15 JAM
56-55-3	Benzo(a)anthracene	1	ND		358.	30.3		07-Jan-11 11:15 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		358.	34.8		07-Jan-11 11:15 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		358.	42.0		07-Jan-11 11:15 JAM
65-85-0	Benzoic acid	1	ND		905.	108.		07-Jan-11 11:15 JAM
191-24-2	Benzo(g,h,i)perylene	1	ND		358.	31.0		07-Jan-11 11:15 JAM
50-32-8	Benzo(a)pyrene	1	ND		358.	35.0		07-Jan-11 11:15 JAM
100-51-6	Benzyl alcohol	1	ND		358.	41.9		07-Jan-11 11:15 JAM
101-55-3	4-Bromophenylphenyl ether	1	ND		358.	30.2		07-Jan-11 11:15 JAM
85-68-7	Butylbenzylphthalate	1	ND		358.	37.6		07-Jan-11 11:15 JAM
86-74-8	Carbazole	1	ND		358.	34.1		07-Jan-11 11:15 JAM
59-50-7	4-Chloro-3-methylphenol	1	ND		358.	34.3		07-Jan-11 11:15 JAM
106-47-8	3&4-Chloroaniline	1	ND		358.	180.		07-Jan-11 11:15 JAM
111-91-1	bis(2-Chloroethoxy)methane	1	ND		358.	36.6		07-Jan-11 11:15 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		358.	34.1		07-Jan-11 11:15 JAM
91-58-7	2-Chloronaphthalene	1	ND		358.	29.3		07-Jan-11 11:15 JAM
95-57-8	2-Chlorophenol	1	ND		358.	34.9		07-Jan-11 11:15 JAM
7005-72-3	4-Chlorophenylphenyl ether	1	ND		358.	34.3		07-Jan-11 11:15 JAM
218-01-9	Chrysene	1	ND		358.	29.9		07-Jan-11 11:15 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		358.	135.		07-Jan-11 11:15 JAM
132-64-9	Dibenzofuran	1	ND		358.	28.1		07-Jan-11 11:15 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		358.	30.4		07-Jan-11 11:15 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		358.	29.8		07-Jan-11 11:15 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		358.	27.6		07-Jan-11 11:15 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		724.	41.5		07-Jan-11 11:15 JAM
120-83-2	2,4-Dichlorophenol	1	ND		358.	34.0		07-Jan-11 11:15 JAM
84-66-2	Diethylphthalate	1	147.	J	358.	36.2		07-Jan-11 11:15 JAM
105-67-9	2,4-Dimethylphenol	1	ND		358.	37.7		07-Jan-11 11:15 JAM
131-11-3	Dimethylphthalate	1	ND		358.	34.3		07-Jan-11 11:15 JAM
84-74-2	Di-n-butylphthalate	1	ND		358.	35.0		07-Jan-11 11:15 JAM
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		358.	38.7		07-Jan-11 11:15 JAM
51-28-5	2,4-Dinitrophenol	1	ND		358.	63.2		07-Jan-11 11:15 JAM

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#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153326
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
121-14-2	2,4-Dinitrotoluene	1	ND		358.	31.9		07-Jan-11 11:15 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		358.	32.0		07-Jan-11 11:15 JAM
117-84-0	Di-n-octylphthalate	1	ND		358.	44.9		07-Jan-11 11:15 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		358.	38.2		07-Jan-11 11:15 JAM
206-44-0	Fluoranthene	1	ND		358.	33.5		07-Jan-11 11:15 JAM
86-73-7	Fluorene	1	ND		358.	32.6		07-Jan-11 11:15 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND		358.	46.9		07-Jan-11 11:15 JAM
118-74-1	Hexachlorobenzene	1	ND		358.	30.6		07-Jan-11 11:15 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		358.	25.2		07-Jan-11 11:15 JAM
67-72-1	Hexachloroethane	1	ND		358.	41.4		07-Jan-11 11:15 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		358.	45.8		07-Jan-11 11:15 JAM
78-59-1	Isophorone	1	ND		358.	39.8		07-Jan-11 11:15 JAM
91-57-6	2-Methylnaphthalene	1	ND		358.	30.9		07-Jan-11 11:15 JAM
95-48-7	2-Methylphenol (o-Cresol)	1	ND		358.	31.8		07-Jan-11 11:15 JAM
	3&4-Methylphenol	1	ND		358.	32.2		07-Jan-11 11:15 JAM
91-20-3	Naphthalene	1	ND		358.	33.4		07-Jan-11 11:15 JAM
88-74-4	2-Nitroaniline	1	ND		358.	36.4		07-Jan-11 11:15 JAM
99-09-2	3-Nitroaniline	1	ND		358.	40.3		07-Jan-11 11:15 JAM
100-01-6	4-Nitroaniline	1	ND		358.	50.9		07-Jan-11 11:15 JAM
98-95-3	Nitrobenzene	1	ND		358.	34.6		07-Jan-11 11:15 JAM
88-75-5	2-Nitrophenol	1	ND		358.	34.7		07-Jan-11 11:15 JAM
100-02-7	4-Nitrophenol	1	ND		358.	35.9		07-Jan-11 11:15 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		358.	37.0		07-Jan-11 11:15 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		358.	38.0		07-Jan-11 11:15 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		358.	36.9		07-Jan-11 11:15 JAM
87-86-5	Pentachlorophenol	1	ND		358.	43.1		07-Jan-11 11:15 JAM
85-01-8	Phenanthrene	1	ND		358.	29.1		07-Jan-11 11:15 JAM
108-95-2	Phenol	1	ND		358.	48.8		07-Jan-11 11:15 JAM
129-00-0	Pyrene	1	ND		358.	29.1		07-Jan-11 11:15 JAM
120-82-1	1,2,4-Trichlorobenzene	1	ND		358.	30.4		07-Jan-11 11:15 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		358.	33.0		07-Jan-11 11:15 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		358.	29.2		07-Jan-11 11:15 JAM

66 compound(s) reported

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#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153396
Method: EPA 8260
GCMS VOAs Full List Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	8.41	J	11.0	2.14		06-Jan-11 20:07 MLS
71-43-2	Benzene	1	ND		5.48	0.384		06-Jan-11 20:07 MLS
108-86-1	Bromobenzene	1	ND		5.48	0.395		06-Jan-11 20:07 MLS
74-97-5	Bromochloromethane	1	ND		5.48	0.395		06-Jan-11 20:07 MLS
75-27-4	Bromodichloromethane	1	ND		5.48	0.386		06-Jan-11 20:07 MLS
75-25-2	Bromoform	1	ND		5.48	0.402		06-Jan-11 20:07 MLS
74-83-9	Bromomethane	1	ND		5.48	1.23		06-Jan-11 20:07 MLS
78-93-3	2-Butanone (MEK)	1	ND		11.0	1.07		06-Jan-11 20:07 MLS
104-51-8	n-Butylbenzene	1	ND		5.48	0.421		06-Jan-11 20:07 MLS
135-98-8	sec-Butylbenzene	1	ND		5.48	0.415		06-Jan-11 20:07 MLS
98-06-6	tert-Butylbenzene	1	ND		5.48	0.299		06-Jan-11 20:07 MLS
75-15-0	Carbon disulfide	1	ND		5.48	0.449		06-Jan-11 20:07 MLS
56-23-5	Carbon tetrachloride	1	ND		5.48	0.494		06-Jan-11 20:07 MLS
108-90-7	Chlorobenzene	1	ND		5.48	0.248		06-Jan-11 20:07 MLS
75-00-3	Chloroethane	1	ND		5.48	1.12		06-Jan-11 20:07 MLS
67-66-3	Chloroform	1	ND		5.48	0.366		06-Jan-11 20:07 MLS
74-87-3	Chloromethane	1	ND		5.48	0.346		06-Jan-11 20:07 MLS
95-49-8	2-Chlorotoluene	1	ND		5.48	0.398		06-Jan-11 20:07 MLS
106-43-4	4-Chlorotoluene	1	ND		5.48	0.505		06-Jan-11 20:07 MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.48	1.70		06-Jan-11 20:07 MLS
124-48-1	Dibromochloromethane	1	ND		5.48	0.367		06-Jan-11 20:07 MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.48	0.506		06-Jan-11 20:07 MLS
74-95-3	Dibromomethane	1	ND		5.48	0.488		06-Jan-11 20:07 MLS
106-46-7	1,4-Dichlorobenzene	1	ND		5.48	0.453		06-Jan-11 20:07 MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.48	0.499		06-Jan-11 20:07 MLS
75-34-3	1,1-Dichloroethane	1	ND		5.48	0.368		06-Jan-11 20:07 MLS
107-06-2	1,2-Dichloroethane	1	ND		5.48	0.575		06-Jan-11 20:07 MLS
75-35-4	1,1-Dichloroethene	1	ND		5.48	0.485		06-Jan-11 20:07 MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.48	0.370		06-Jan-11 20:07 MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.48	0.489		06-Jan-11 20:07 MLS
78-87-5	1,2-Dichloropropane	1	ND		5.48	0.438		06-Jan-11 20:07 MLS
142-28-9	1,3-Dichloropropane	1	ND		5.48	0.388		06-Jan-11 20:07 MLS
594-20-7	2,2-Dichloropropane	1	ND		5.48	0.558		06-Jan-11 20:07 MLS
563-58-6	1,1-Dichloropropene	1	ND		5.48	0.478		06-Jan-11 20:07 MLS

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#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153396
Method: EPA 8260
GCMS VOAs Full List Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.48	0.357		06-Jan-11 20:07 MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.48	0.481		06-Jan-11 20:07 MLS
100-41-4	Ethylbenzene	1	ND		5.48	0.335		06-Jan-11 20:07 MLS
591-78-6	2-Hexanone	1	ND		11.0	0.610		06-Jan-11 20:07 MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.48	0.453		06-Jan-11 20:07 MLS
99-87-6	p-Isopropyltoluene	1	ND		5.48	0.452		06-Jan-11 20:07 MLS
79-20-9	Methyl acetate	1	ND		11.0	1.07		06-Jan-11 20:07 MLS
75-09-2	Methylene chloride	1	ND		5.48	0.415		06-Jan-11 20:07 MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		11.0	0.625		06-Jan-11 20:07 MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.48	0.332		06-Jan-11 20:07 MLS
91-20-3	Naphthalene	1	ND		5.48	0.638		06-Jan-11 20:07 MLS
103-65-1	n-Propylbenzene	1	ND		5.48	0.350		06-Jan-11 20:07 MLS
100-42-5	Styrene	1	ND		5.48	0.387		06-Jan-11 20:07 MLS
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.48	0.205		06-Jan-11 20:07 MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.48	0.674		06-Jan-11 20:07 MLS
127-18-4	Tetrachloroethene	1	ND		5.48	0.275		06-Jan-11 20:07 MLS
108-88-3	Toluene	1	0.953	J	5.48	0.475		06-Jan-11 20:07 MLS
87-61-6	1,2,3-Trichlorobenzene	1	ND		5.48	0.547		06-Jan-11 20:07 MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.48	0.502		06-Jan-11 20:07 MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.48	0.342		06-Jan-11 20:07 MLS
79-01-6	Trichloroethene	1	ND		5.48	0.438		06-Jan-11 20:07 MLS
75-69-4	Trichlorofluoromethane	1	ND		5.48	0.956		06-Jan-11 20:07 MLS
96-18-4	1,2,3-Trichloropropane	1	ND		5.48	0.705		06-Jan-11 20:07 MLS
95-63-6	1,2,4-Trimethylbenzene	1	ND		5.48	0.445		06-Jan-11 20:07 MLS
108-67-8	1,3,5-Trimethylbenzene	1	ND		5.48	0.365		06-Jan-11 20:07 MLS
75-01-4	Vinyl chloride	1	ND		5.48	0.363		06-Jan-11 20:07 MLS
	m&p-Xylene	1	ND		5.48	0.700		06-Jan-11 20:07 MLS
95-47-6	o-Xylene	1	ND		5.48	0.264		06-Jan-11 20:07 MLS

62 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153393
Method: EPA 8081
8081 Pests Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
309-00-2	Aldrin	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
319-84-6	alpha-BHC	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
319-85-7	beta-BHC	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
319-86-8	delta-BHC	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
58-89-9	gamma-BHC (Lindane)	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
5103-71-9	alpha-Chlordane	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
5103-74-2	gamma-Chlordane	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
72-54-8	4,4'-DDD	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
72-55-9	4,4'-DDE	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
50-29-3	4,4'-DDT	1	ND		3.58	2.15		06-Jan-11 15:49 TWB
60-57-1	Dieldrin	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
959-98-8	Endosulfan I	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
33213-65-9	Endosulfan II	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
1031-07-8	Endosulfan sulfate	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
72-20-8	Endrin	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
7421-93-4	Endrin aldehyde	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
53494-70-5	Endrin ketone	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
76-44-8	Heptachlor	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
1024-57-3	Heptachlor epoxide	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
72-43-5	Methoxychlor	1	ND		17.9	9.13		06-Jan-11 15:49 TWB
8001-35-2	Toxaphene	1	ND		71.6	35.8		06-Jan-11 15:49 TWB

21 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153665
Method: EPA 8082
8082 PCBs Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 11-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		35.9	28.1		12-Jan-11 12:43 TWB
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB

7 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153394
Method: EPA 8151
8151 Herbs Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
94-75-7	2,4-D	1	ND		72.3	47.3		07-Jan-11 21:37 SPP1
1918-00-9	Dicamba	1	ND		72.3	36.1		07-Jan-11 21:37 SPP1
120-36-5	Dichloroprop	1	ND		72.3	46.9		07-Jan-11 21:37 SPP1
88-85-7	Dinoseb	1	ND		144.	72.1		07-Jan-11 21:37 SPP1
94-74-6	MCPA	1	ND		9030	5380		07-Jan-11 21:37 SPP1
7085-19-0	MCPP	1	ND		9030	5840		07-Jan-11 21:37 SPP1
93-76-5	2,4,5-T	1	ND		72.3	36.1		07-Jan-11 21:37 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		72.3	36.1		07-Jan-11 21:37 SPP1

8 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153540
Method: EPA 6010
Metals, ICP, Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 10-Jan-11

Units: mg/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
7429-90-5	Aluminum	1	2260		19.9	3.90		11-Jan-11 17:11	KJR
7440-36-0	Antimony	1	ND		5.97	0.0889		11-Jan-11 17:11	KJR
7440-38-2	Arsenic	1	1.06		0.996	0.0971		11-Jan-11 17:11	KJR
7440-39-3	Barium	1	10.6	J	19.9	0.0383		11-Jan-11 17:11	KJR
7440-41-7	Beryllium	1	ND		0.498	0.0173		11-Jan-11 17:11	KJR
7440-43-9	Cadmium	1	ND		0.498	0.0143		11-Jan-11 17:11	KJR
7440-70-2	Calcium	10	201000	D1	4980	59.1		12-Jan-11 09:51	KJR
7440-47-3	Chromium	1	3.84		0.996	0.153		11-Jan-11 17:11	KJR
7440-48-4	Cobalt	1	ND		0.996	0.844		11-Jan-11 17:11	KJR
7440-50-8	Copper	1	8.36		0.996	0.457		11-Jan-11 17:11	KJR
7439-89-6	Iron	1	2550		9.96	1.36		11-Jan-11 17:11	KJR
7439-92-1	Lead	1	2.55		0.498	0.0984		11-Jan-11 17:11	KJR
7439-95-4	Magnesium	10	117000	D1	4980	21.6		12-Jan-11 09:51	KJR
7439-96-5	Manganese	1	256.		1.49	0.110		11-Jan-11 17:11	KJR
7440-02-0	Nickel	1	3.94	J	3.98	0.0653		11-Jan-11 17:11	KJR
7440-09-7	Potassium	1	226.	J	498.	6.63		11-Jan-11 17:11	KJR
7782-49-2	Selenium	1	ND		3.48	1.13		11-Jan-11 17:11	KJR
7440-22-4	Silver	1	ND		0.996	0.0253		11-Jan-11 17:11	KJR
7440-23-5	Sodium	1	367.	J	498.	2.48		11-Jan-11 17:11	KJR
7440-28-0	Thallium	1	ND		0.996	0.117		11-Jan-11 17:11	KJR
7440-62-2	Vanadium	1	7.17		4.98	1.16		11-Jan-11 17:11	KJR
7440-66-6	Zinc	1	6.74		1.99	0.232		11-Jan-11 17:11	KJR

22 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153538
Method: EPA 7471
Mercury Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 10-Jan-11

Units: mg/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
7439-97-6	Mercury	1	0.0133	J	0.0146	0.00118		11-Jan-11 09:27 TLB1

1 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421

Method: Soil GC/MS Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851222	153326 BLANK 1		49	84	73	86	72	91		
20851480	153326 BLANK 2		81	92	81	96	78	105		
20851223	153326 LCS 1		102	83	68	79	76	87		
20851481	153326 LCS 2		91	88	70	88	78	94		
20851237	COMPOSITE		89	91	84	102	84	97		
20851224	S-001 MS 1		91	89	78	91	86	88		
20851225	S-001 MSD 1		71	69	60	80	65	66		
	QC limits:		10-124	22-119	17-110	10-125	13-121	30-149		

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153396 **Project:** 20118421

Method: Soil GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851476	153396 BLANK 1		103	101	93					
20851477	153396 LCS 1		104	93	98					
20851237	COMPOSITE		118	112	108					
20851478	COMPOSITE MS 1		120	111	112					
20851479	COMPOSITE MSD 1		122	112	114					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153393 **Project:** 20118421

Method: Soil GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851467	153393 BLANK 1		68	66	63	61				
20851468	153393 LCS 1		85	80	84	84				
20851237	COMPOSITE		57	52	72	70				
20851469	S-001 MS 1		39	38	37	53				
20851470	S-001 MSD 1		30	28	49	59				
	QC limits:		15-179	15-177	10-144	10-178				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153394 **Project:** 20118421

Method: Soil GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851471	153394 BLANK 1		119	117						
20851472	153394 LCS 1		125	119						
20851237	COMPOSITE		14	13						
20851473	S-001 MS 1		92	84						
20851474	S-001 MSD 1		87	81						
	QC limits:		10-169	10-161						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

Surrogates 2/2/2011 10:05:53

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153665 **Project:** 20118421

Method: Soil GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20852517	153665 BLANK 1		85	86	82	89				
20852518	153665 LCS 1		106	105	106	113				
20852519	1795960 MS 1	G1	0 *	0 *	58	70				
20852520	1795960 MSD 1	G1	0 *	0 *	56	80				
20851237	COMPOSITE		50	62	93	86				
	QC limits:		30-187	15-184	30-178	10-171				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851223 07-Jan-11 12:15

Method: Soil GC/MS Semivolatile Organics **MS:** 20851224 07-Jan-11 12:45

Units: ug/kg **MSD:** 20851225 07-Jan-11 13:15

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1650	1190	72	1650		1420	1150	86	70	21 *	46-110	10-138	20	
Acenaphthylene	1650	1170	71	1650		1430	1160	87	70	21 *	47-110	10-130	20	
Anthracene	1650	1200	73	1650		1400	1120	85	68	22 *	48-111	10-135	20	
Benzo(a)anthracene	1650	1160	71	1650		1350	1060	82	64	24 *	47-110	10-136	20	
Benzo(b)fluoranthene	1650	1210	74	1650		1370	1070	83	65	25 *	44-111	10-152	20	
Benzo(k)fluoranthene	1650	1170	71	1650		1370	1040	83	63	27 *	45-112	10-145	20	
Benzo(a)pyrene	1650	1180	72	1650		1360	1070	82	65	23 *	47-112	10-135	20	
Butylbenzylphthalate	1650	1140	69	1650		1390	1020	84	62	31 *	42-121	10-164	20	
3&4-Chloroaniline	1650	1110	68	1650		1360	1040	82	63	27 *	21-121	10-128	21	
bis(2-Chloroethyl) ether	1650	1100	67	1650		1510	1190	91	73	23 *	41-113	17-131	20	
2-Chloronaphthalene	1650	1120	68	1650		1360	1110	82	67	20	47-110	16-120	20	
2-Chlorophenol	1650	1070	65	1650		1400	1150	85	70	20	42-110	16-118	20	
Chrysene	1650	1150	70	1650		1310	1050	79	64	22 *	46-110	10-134	20	
Dibenz(a,h)anthracene	1650	1180	72	1650		1320	1080	80	66	20	38-121	10-121	20	
Dibenzofuran	1650	1150	70	1650		1380	1120	84	68	21 *	48-110	10-129	20	
1,2-Dichlorobenzene	1650	1100	67	1650		1420	1190	86	73	17	44-110	18-120	20	
1,3-Dichlorobenzene	1650	1070	65	1650		1390	1160	85	71	18	43-110	17-118	20	
1,4-Dichlorobenzene	1650	1070	65	1650		1390	1170	84	71	17	43-110	18-118	20	
3,3'-Dichlorobenzidine	1650	1000	61	1650		1370	876.	83	53	44 *	34-132	10-142	22	
2,4-Dichlorophenol	1650	1020	62	1650		1330	1110	81	67	19	37-110	10-121	20	
Diethylphthalate	1650	1150	70	1650		1410	1130	85	68	22 *	45-117	14-128	20	
2,4-Dimethylphenol	1650	1060	64	1650		1340	1030	81	62	26 *	33-110	10-128	20	
Dimethylphthalate	1650	1130	69	1650		1400	1170	85	71	18	46-114	14-129	20	
2,4-Dinitrophenol	1650	1030	63	1650		1480	1130	90	69	27 *	10-115	10-130	20	
2,4-Dinitrotoluene	1650	1120	68	1650		1390	1120	84	68	21	44-111	10-136	22	
2,6-Dinitrotoluene	1650	1140	69	1650		1420	1140	86	70	21 *	47-110	10-130	20	
Di-n-octylphthalate	1650	1210	74	1650		1550	1140	94	69	31 *	36-129	10-204	20	
bis(2-Ethylhexyl)phthalate	1650	1130	69	1650	48.3	1450	1130	85	66	25 *	41-122	10-164	20	
Fluoranthene	1650	1200	73	1650		1390	1100	85	67	24 *	44-114	10-142	20	
Fluorene	1650	1210	74	1650		1430	1160	87	70	21 *	46-110	10-138	20	
Hexachloro-1,3-butadiene	1650	1110	67	1650		1310	1050	79	64	22 *	35-110	10-125	20	
Hexachlorobenzene	1650	1200	73	1650		1420	1120	86	68	24 *	45-110	10-123	20	
Hexachlorocyclopentadiene	1650	959.	58	1650		1040	617.	63	38	51 *	13-111	10-112	24	
Hexachloroethane	1650	1110	68	1650		1410	1150	86	70	21 *	42-110	10-130	20	
Indeno(1,2,3-cd)pyrene	1650	1160	70	1650		1300	1060	79	65	20	38-120	10-123	20	
Isophorone	1650	1100	67	1650		1410	1200	86	73	16	36-110	10-132	20	
2-Methylnaphthalene	1650	1120	68	1650		1360	1140	83	69	18	37-110	10-143	20	
Naphthalene	1650	1140	69	1650		1410	1180	85	72	17	36-110	10-133	20	
2-Nitroaniline	1650	1170	71	1650		1510	1240	92	75	20	45-114	10-139	20	
3-Nitroaniline	1650	1080	66	1650		1340	1050	81	64	25 *	35-117	10-131	23	
4-Nitroaniline	1650	1200	73	1650		1450	1180	88	72	21	37-122	10-145	21	

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851223 07-Jan-11 12:15

Method: Soil GC/MS Semivolatile Organics **MS:** 20851224 07-Jan-11 12:45

Units: ug/kg **MSD:** 20851225 07-Jan-11 13:15

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Nitrobenzene	1650	1130	69	1650		1440	1230	87	75	16	37-110	10-130	20	
4-Nitrophenol	1650	1010	62	1650		1330	932.	81	57	35 *	26-129	10-138	26	
N-Nitroso-di-n-propylamine	1650	1150	70	1650		1510	1270	92	77	17	41-119	10-143	20	
N-Nitrosodiphenylamine	1650	1370	83	1650		1670	1340	101	81	22 *	42-123	10-159	20	
2,2'-Oxybis(1-chloropropane)	1650	1150	70	1650		1510	1250	92	76	19	32-122	12-130	20	
Pentachlorophenol	1650	922.	56	1650		1520	1090	92	66	33 *	29-119	10-143	21	
Phenanthrene	1650	1190	72	1650		1400	1110	85	68	23 *	46-110	10-142	20	
Phenol	1650	1020	62	1650		1290	999.	78	61	25 *	40-110	10-122	20	
Pyrene	1650	1200	73	1650		1370	1070	83	65	25 *	41-115	10-166	20	
2,4,5-Trichlorophenol	1650	1060	64	1650		1370	1080	83	66	23 *	44-110	11-120	20	
2,4,6-Trichlorophenol	1650	1030	63	1650		1320	1090	80	66	19	44-110	10-122	20	

52 compound(s) reported

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851481 07-Jan-11 10:44

Method: Soil GC/MS Semivolatile Organics **MS:**

Units: ug/kg **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1670	1260	75								46-110			
Acenaphthylene	1670	1250	75								47-110			
Anthracene	1670	1310	79								48-111			
Benzo(a)anthracene	1670	1280	77								47-110			
Benzo(b)fluoranthene	1670	1310	79								44-111			
Benzo(k)fluoranthene	1670	1290	78								45-112			
Benzoic acid	1670	763.	46								10-121			
Benzo(g,h,i)perylene	1670	1290	78								34-124			
Benzo(a)pyrene	1670	1290	78								47-112			
Benzyl alcohol	1670	1090	66								37-114			
4-Bromophenylphenyl ether	1670	1190	72								41-123			
Butylbenzylphthalate	1670	1270	76								42-121			
Carbazole	1670	1380	83								44-119			
4-Chloro-3-methylphenol	1670	1140	69								34-110			
3&4-Chloroaniline	1670	1160	69								21-121			
bis(2-Chloroethoxy)methane	1670	1140	68								35-110			
bis(2-Chloroethyl) ether	1670	1140	68								41-113			
2-Chloronaphthalene	1670	1190	71								47-110			
2-Chlorophenol	1670	1110	67								42-110			
4-Chlorophenylphenyl ether	1670	1190	71								45-114			
Chrysene	1670	1290	77								46-110			
Dibenz(a,h)anthracene	1670	1300	78								38-121			
Dibenzofuran	1670	1220	73								48-110			
1,2-Dichlorobenzene	1670	1130	68								44-110			
1,3-Dichlorobenzene	1670	1100	66								43-110			
1,4-Dichlorobenzene	1670	1110	66								43-110			
3,3'-Dichlorobenzidine	1670	1280	77								34-132			
2,4-Dichlorophenol	1670	1080	65								37-110			
Diethylphthalate	1670	1220	73								45-117			
2,4-Dimethylphenol	1670	1100	66								33-110			
Dimethylphthalate	1670	1200	72								46-114			
Di-n-butylphthalate	1670	1230	74								44-118			
4,6-Dinitro-2-methylphenol	1670	1050	63								33-114			
2,4-Dinitrophenol	1670	881.	53								10-115			
2,4-Dinitrotoluene	1670	1190	71								44-111			
2,6-Dinitrotoluene	1670	1210	72								47-110			
Di-n-octylphthalate	1670	1320	79								36-129			
bis(2-Ethylhexyl)phthalate	1670	1250	75								41-122			
Fluoranthene	1670	1300	78								44-114			
Fluorene	1670	1280	77								46-110			
Hexachloro-1,3-butadiene	1670	1160	70								35-110			

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851481 07-Jan-11 10:44

Method: Soil GC/MS Semivolatile Organics **MS:**

Units: ug/kg **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Hexachlorobenzene	1670	1310	79								45-110			
Hexachlorocyclopentadiene	1670	996.	60								13-111			
Hexachloroethane	1670	1150	69								42-110			
Indeno(1,2,3-cd)pyrene	1670	1280	77								38-120			
Isophorone	1670	1160	70								36-110			
2-Methylnaphthalene	1670	1170	71								37-110			
2-Methylphenol (o-Cresol)	1670	1110	66								41-110			
3&4-Methylphenol	1670	1050	63								40-110			
Naphthalene	1670	1200	72								36-110			
2-Nitroaniline	1670	1240	74								45-114			
3-Nitroaniline	1670	1140	68								35-117			
4-Nitroaniline	1670	1240	74								37-122			
Nitrobenzene	1670	1190	71								37-110			
2-Nitrophenol	1670	1140	68								36-110			
4-Nitrophenol	1670	1070	64								26-129			
N-Nitroso-di-n-propylamine	1670	1190	71								41-119			
N-Nitrosodiphenylamine	1670	1490	90								42-123			
2,2'-Oxybis(1-chloropropane)	1670	1190	71								32-122			
Pentachlorophenol	1670	1170	70								29-119			
Phenanthrene	1670	1290	78								46-110			
Phenol	1670	1060	63								40-110			
Pyrene	1670	1310	79								41-115			
1,2,4-Trichlorobenzene	1670	1150	69								36-110			
2,4,5-Trichlorophenol	1670	1130	68								44-110			
2,4,6-Trichlorophenol	1670	1110	66								44-110			

66 compound(s) reported

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Batch: 153396 **Project:** 20118421 **LCS:** 20851477 06-Jan-11 18:42

Method: Soil GC/MS Volatile Organics **MS:** 20851478 06-Jan-11 20:28

Units: ug/kg **MSD:** 20851479 06-Jan-11 20:50

Original for MS: Client Sample 20851237

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	28.7	58	54.8	8.41	34.8	47.4	48	71	31 *	10-200	10-211	20	
Benzene	50.0	48.7	97	54.8		53.4	53.3	98	97	0	63-133	54-141	20	
Bromodichloromethane	50.0	48.9	98	54.8		50.8	51.0	93	93	0	65-132	62-136	20	
Bromoform	50.0	49.9	100	54.8		48.5	47.4	89	87	2	50-151	48-153	20	
Bromomethane	50.0	45.1	90	54.8		48.5	48.5	89	89	0	48-149	46-151	20	
2-Butanone (MEK)	50.0	40.1	80	54.8		35.5	41.6	65	76	16	11-169	10-184	20	
Carbon disulfide	50.0	54.6	109	54.8		74.3	56.0	136	102	28 *	23-151	11-161	20	
Carbon tetrachloride	50.0	49.4	99	54.8		57.0	59.2	104	108	4	54-144	49-146	20	
Chlorobenzene	50.0	47.6	95	54.8		50.8	50.1	93	92	1	69-131	67-136	20	
Chloroethane	50.0	57.0	114	54.8		62.8	61.8	115	113	2	31-189	22-185	20	
Chloroform	50.0	51.8	104	54.8		55.9	56.3	102	103	1	68-132	64-138	20	
Chloromethane	50.0	43.8	88	54.8		49.2	51.5	90	94	5	25-160	23-163	20	
1,2-Dibromo-3-chloropropane	50.0	45.6	91	54.8		45.7	43.7	83	80	4	34-147	32-155	20	
Dibromochloromethane	50.0	49.2	99	54.8		50.5	49.4	92	90	2	59-137	57-141	20	
1,2-Dibromoethane (EDB)	50.0	47.5	95	54.8		48.0	46.0	88	84	4	57-146	55-151	20	
1,1-Dichloroethane	50.0	48.6	97	54.8		54.7	54.8	100	100	0	62-135	59-139	20	
1,2-Dichloroethane	50.0	49.5	99	54.8		49.5	50.0	90	91	1	58-144	56-150	20	
1,1-Dichloroethene	50.0	52.0	104	54.8		60.8	59.2	111	108	3	46-152	32-164	20	
cis-1,2-Dichloroethene	50.0	47.8	96	54.8		52.4	51.9	96	95	1	62-132	59-137	20	
trans-1,2-Dichloroethene	50.0	50.2	100	54.8		57.3	56.8	105	104	1	55-136	51-141	20	
1,2-Dichloropropane	50.0	47.2	94	54.8		50.1	51.5	92	94	3	62-129	61-133	20	
cis-1,3-Dichloropropene	50.0	47.2	94	54.8		49.2	47.8	90	87	3	61-139	58-139	20	
trans-1,3-Dichloropropene	50.0	48.2	96	54.8		48.9	47.0	89	86	4	58-143	54-150	20	
Ethylbenzene	50.0	47.3	95	54.8		51.0	52.2	93	95	2	69-130	63-136	20	
2-Hexanone	50.0	47.5	95	54.8		36.2	32.6	66	60	11	21-155	16-166	20	
Isopropylbenzene (Cumene)	50.0	51.2	102	54.8		55.9	56.9	102	104	2	54-143	51-148	20	
Methylene chloride	50.0	55.5	111	54.8		59.8	60.1	109	110	0	37-171	31-166	20	
4-Methyl-2-pentanone (MIBK	50.0	49.0	98	54.8		44.5	43.7	81	80	2	38-161	34-170	20	
Methyl-tert-butyl ether	50.0	52.1	104	54.8		53.0	53.3	97	97	1	48-152	47-159	20	
Styrene	50.0	48.2	96	54.8		48.1	47.9	88	88	0	71-135	60-143	20	
1,1,1,2-Tetrachloroethane	50.0	48.5	97	54.8		50.8	50.0	93	91	2	68-137	65-140	20	
1,1,2,2-Tetrachloroethane	50.0	45.4	91	54.8		37.0	37.4	68	68	1	34-161	28-169	20	
Tetrachloroethene	50.0	52.4	105	54.8		129.	130.	235 *	237 *	1	52-159	43-161	20	Q1
Toluene	50.0	50.9	102	54.8	0.953	54.4	54.8	98	98	1	66-131	58-137	20	
1,1,1-Trichloroethane	50.0	47.2	94	54.8		55.8	57.3	102	105	3	63-131	58-135	20	
1,1,2-Trichloroethane	50.0	47.2	95	54.8		48.6	47.4	89	87	2	62-134	59-139	20	
Trichloroethene	50.0	49.5	99	54.8		63.2	61.6	115	113	2	67-134	57-144	20	
Trichlorofluoromethane	50.0	44.2	89	54.8		53.1	55.5	97	101	5	40-187	17-190	20	
Vinyl chloride	50.0	46.4	93	54.8		55.7	58.5	102	107	5	37-149	29-152	20	
m&p-Xylene	100.	94.8	95	110.		101.	101.	92	92	0	67-135	60-139	20	
o-Xylene	50.0	48.8	98	54.8		49.2	50.2	90	92	2	66-131	61-136	20	

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153396 **Project:** 20118421 **LCS:** 20851477 06-Jan-11 18:42

Method: Soil GC/MS Volatile Organics **MS:** 20851478 06-Jan-11 20:28

Units: ug/kg **MSD:** 20851479 06-Jan-11 20:50

Original for MS: Client Sample 20851237

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu

41 compound(s) reported

QC Protocol 2/2/2011 10:05:55

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Quality Control

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(504) 469-0333

Batch: 153393 **Project:** 20118421 **LCS:** 20851468 06-Jan-11 14:29

Method: Soil GC Semivolatile Organics **MS:** 20851469 06-Jan-11 15:01

Units: ug/kg **MSD:** 20851470 06-Jan-11 15:17

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	16.7	10.2	61	16.2		7.91	7.89	49	49	0	28-135	10-167	22	
alpha-BHC	16.7	9.55	57	16.2		11.4	12.6	70	78	10	27-135	10-175	20	
beta-BHC	16.7	10.1	60	16.2		10.8	10.4	67	64	4	30-136	10-188	24	
delta-BHC	16.7	7.04	42	16.2		10.5	10.5	65	65	0	20-147	10-182	22	
gamma-BHC (Lindane)	16.7	9.46	57	16.2		11.6	12.4	72	77	7	29-136	10-181	21	
alpha-Chlordane	16.7	9.75	59	16.2		8.67	8.51	54	53	2	31-139	10-180	20	
gamma-Chlordane	16.7	9.74	58	16.2		8.54	8.34	53	52	2	32-138	10-176	20	
4,4'-DDD	16.7	9.25	56	16.2		9.84	8.74	61	54	12	31-145	10-188	20	
4,4'-DDE	16.7	9.82	59	16.2		7.81	7.48	48	46	4	32-142	10-182	20	
4,4'-DDT	16.7	8.85	53	16.2		8.43	7.53	52	47	11	29-136	10-181	20	
Dieldrin	16.7	9.45	57	16.2		9.31	9.56	57	59	3	32-137	10-170	20	
Endosulfan I	16.7	4.15	25	16.2		6.60	8.16	41	51	21	10-121	10-160	24	
Endosulfan II	16.7	4.21	25	16.2		7.11	8.36	44	52	16	10-123	10-175	20	
Endosulfan sulfate	16.7	8.87	53	16.2		11.6	11.1	72	69	5	28-146	10-171	20	
Endrin	16.7	9.58	58	16.2		11.1	10.9	68	68	1	31-168	10-204	20	
Endrin aldehyde	16.7	9.15	55	16.2		9.52	8.24	59	51	14	20-143	10-176	22	
Endrin ketone	16.7	9.47	57	16.2		11.3	11.1	70	69	1	25-145	10-184	21	
Heptachlor	16.7	9.84	59	16.2		9.47	11.7	58	72	21	31-135	10-161	25	
Heptachlor epoxide	16.7	9.99	60	16.2		11.2	10.7	69	66	4	26-133	10-177	23	
Methoxychlor	16.7	9.93	60	16.2		10.6	9.83	65	61	7	27-155	10-207	23	

20 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 2/2/2011 10:05:55

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153665 **Project:** 20118421 **LCS:** 20852518 12-Jan-11 11:40

Method: Soil GC Semivolatile Organics **MS:** 20852519 12-Jan-11 12:12

Units: ug/kg **MSD:** 20852520 12-Jan-11 12:27

Original for MS: Batch Sample 20850326

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
PCB-1016 (Aroclor 1016)	333.	292.	88	327.	2250	2650	6110	124	1169 *	79 *	25-139	10-144	28	Q3
PCB-1260 (Aroclor 1260)	333.	259.	78	327.				0 *	0 *	0	29-138	10-168	26	Q2,Q1

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 2/2/2011 10:05:55

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153394 **Project:** 20118421 **LCS:** 20851472 07-Jan-11 19:42

Method: Soil GC Semivolatile Organics **MS:** 20851473 07-Jan-11 20:28

Units: ug/kg **MSD:** 20851474 07-Jan-11 20:51

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	667.	729.	109	656.		447.	436.	68	66	2	10-189	10-165	35	
Dicamba	66.7	68.8	103	65.6		ND	ND	19	49	88 *	10-179	10-163	47	
Dichloroprop	667.	765.	115	656.		557.	541.	85	82	3	33-178	10-200	32	
MCPA	66700	68900	103	65600		40300	45600	61	69	12	19-186	10-183	35	
MCPP	66700	66700	100	65600		65600	56100	100	86	16	19-198	10-180	37	
2,4,5-T	66.7	72.2	108	65.6		ND	36.4	49	55	12	20-193	10-178	34	
2,4,5-TP (Silvex)	66.7	70.5	106	65.6		47.5	44.8	72	68	6	34-188	10-184	34	

7 compound(s) reported

QC Protocol 2/2/2011 10:05:55

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Quality Control

Pace Analytical Services, Inc.
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(504) 469-0333

Batch: 153540 **Project:** 20118421 **LCS:** 20851978 11-Jan-11 14:49

Method: Soil ICP Metals **MS:** 20851979 11-Jan-11 14:56

Units: mg/kg **MSD:** 20851980 11-Jan-11 15:00

Original for MS: Batch Sample 20851936

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aluminum	1000	955.	96	807.	1930	4110	4270	271 *	295 *	4	72-127	10-236	20	Q1
Antimony	100.	93.0	93	80.7		56.5	54.7	70	69	3	74-122	10-129	20	
Arsenic	100.	91.0	91	80.7	1.70	73.5	72.8	89	90	1	71-122	53-130	20	
Barium	100.	96.8	97	80.7	27.5	111.	111.	103	105	0	75-124	23-175	20	
Beryllium	100.	96.1	96	80.7		77.2	75.9	96	96	2	75-120	60-128	20	
Cadmium	100.	93.4	93	80.7	0.0979	71.2	69.8	88	88	2	68-125	56-124	20	
Calcium	1000	962.	96	807.	6650	6710	7320	7 *	85	9	76-122	10-198	20	Q3
Chromium	100.	96.4	96	80.7	3.59	80.9	80.4	96	97	1	71-125	54-138	20	
Cobalt	100.	96.8	97	80.7	2.85	78.0	77.7	93	94	0	75-123	52-132	20	
Copper	100.	97.4	97	80.7	2.63	80.5	79.9	97	97	1	76-124	49-149	20	
Iron	1000	975.	98	807.	4600	5900	6310	161	216	7	72-127	10-234	20	
Lead	100.	93.6	94	80.7	3.80	74.3	73.2	87	87	2	72-125	38-146	20	
Magnesium	1000	957.	96	807.	2230	3150	3230	114	125	2	76-119	10-233	20	
Manganese	100.	96.8	97	80.7	70.7	147.	152.	95	102	3	79-119	10-193	20	
Nickel	100.	95.4	95	80.7	7.17	79.0	78.1	89	89	1	75-124	46-140	20	
Potassium	1000	942.	94	807.	386.	1280	1300	111	115	1	72-121	37-213	20	
Selenium	100.	86.7	87	80.7		68.7	68.1	84	85	1	67-120	52-125	20	
Silver	50.0	45.8	92	40.3		36.3	35.7	90	90	2	64-126	22-151	20	
Sodium	1000	928.	93	807.	22.9	820.	810.	99	99	1	67-125	46-154	20	
Thallium	100.	93.3	93	80.7		68.6	66.8	85	84	3	76-121	41-133	20	
Vanadium	100.	96.1	96	80.7	5.16	85.6	84.5	100	100	1	76-123	54-144	20	
Zinc	100.	92.5	93	80.7	20.3	90.7	90.6	87	89	0	75-120	23-166	20	

22 compound(s) reported

QC Protocol 2/2/2011 10:05:55

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Quality Control

Pace Analytical Services, Inc.
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(504) 469-0333

Batch: 153538 **Project:** 20118421 **LCS:** 20851970 11-Jan-11 10:27

Method: Soil Mercury **MS:** 20851971 11-Jan-11 9:32

Units: mg/kg **MSD:** 20851972 11-Jan-11 9:34

Original for MS: Batch Sample 20851936

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Mercury	0.100	0.0990	99	0.0811	0.00980	0.110	0.0988	124	122	11	80-120	75-125	20	

1 compound(s) reported

QC Protocol 2/2/2011 10:05:55

* denotes recovery outside of QC limits.
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 1 **Project:** 20118421

Lab ID: 20851222

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 05-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
83-32-9	Acenaphthene	1	ND		327.	28.0	07-Jan-11 11:45 JAM
208-96-8	Acenaphthylene	1	ND		327.	26.2	07-Jan-11 11:45 JAM
120-12-7	Anthracene	1	ND		327.	26.5	07-Jan-11 11:45 JAM
56-55-3	Benzo(a)anthracene	1	ND		327.	27.7	07-Jan-11 11:45 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		327.	31.8	07-Jan-11 11:45 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		327.	38.3	07-Jan-11 11:45 JAM
50-32-8	Benzo(a)pyrene	1	ND		327.	31.9	07-Jan-11 11:45 JAM
85-68-7	Butylbenzylphthalate	1	ND		327.	34.3	07-Jan-11 11:45 JAM
106-47-8	3&4-Chloroaniline	1	ND		327.	164.	07-Jan-11 11:45 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		327.	31.1	07-Jan-11 11:45 JAM
91-58-7	2-Chloronaphthalene	1	ND		327.	26.7	07-Jan-11 11:45 JAM
95-57-8	2-Chlorophenol	1	ND		327.	31.8	07-Jan-11 11:45 JAM
218-01-9	Chrysene	1	ND		327.	27.3	07-Jan-11 11:45 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		327.	124.	07-Jan-11 11:45 JAM
132-64-9	Dibenzofuran	1	ND		327.	25.6	07-Jan-11 11:45 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		327.	27.8	07-Jan-11 11:45 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		327.	27.2	07-Jan-11 11:45 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		327.	25.2	07-Jan-11 11:45 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		661.	37.9	07-Jan-11 11:45 JAM
120-83-2	2,4-Dichlorophenol	1	ND		327.	31.1	07-Jan-11 11:45 JAM
84-66-2	Diethylphthalate	1	ND		327.	33.1	07-Jan-11 11:45 JAM
105-67-9	2,4-Dimethylphenol	1	ND		327.	34.5	07-Jan-11 11:45 JAM
131-11-3	Dimethylphthalate	1	ND		327.	31.3	07-Jan-11 11:45 JAM
51-28-5	2,4-Dinitrophenol	1	ND		327.	57.7	07-Jan-11 11:45 JAM
121-14-2	2,4-Dinitrotoluene	1	ND		327.	29.1	07-Jan-11 11:45 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		327.	29.2	07-Jan-11 11:45 JAM
117-84-0	Di-n-octylphthalate	1	ND		327.	41.0	07-Jan-11 11:45 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		327.	34.9	07-Jan-11 11:45 JAM
206-44-0	Fluoranthene	1	ND		327.	30.6	07-Jan-11 11:45 JAM
86-73-7	Fluorene	1	ND		327.	29.7	07-Jan-11 11:45 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND		327.	42.8	07-Jan-11 11:45 JAM
118-74-1	Hexachlorobenzene	1	ND		327.	27.9	07-Jan-11 11:45 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		327.	23.0	07-Jan-11 11:45 JAM
67-72-1	Hexachloroethane	1	ND		327.	37.8	07-Jan-11 11:45 JAM

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 1 **Project:** 20118421

Lab ID: 20851222

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 05-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		327.	41.8	07-Jan-11 11:45 JAM
78-59-1	Isophorone	1	ND		327.	36.3	07-Jan-11 11:45 JAM
91-57-6	2-Methylnaphthalene	1	ND		327.	28.2	07-Jan-11 11:45 JAM
91-20-3	Naphthalene	1	ND		327.	30.5	07-Jan-11 11:45 JAM
88-74-4	2-Nitroaniline	1	ND		327.	33.3	07-Jan-11 11:45 JAM
99-09-2	3-Nitroaniline	1	ND		327.	36.8	07-Jan-11 11:45 JAM
100-01-6	4-Nitroaniline	1	ND		327.	46.5	07-Jan-11 11:45 JAM
98-95-3	Nitrobenzene	1	ND		327.	31.6	07-Jan-11 11:45 JAM
100-02-7	4-Nitrophenol	1	ND		327.	32.8	07-Jan-11 11:45 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		327.	33.8	07-Jan-11 11:45 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		327.	34.7	07-Jan-11 11:45 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		327.	33.7	07-Jan-11 11:45 JAM
87-86-5	Pentachlorophenol	1	ND		327.	39.3	07-Jan-11 11:45 JAM
85-01-8	Phenanthrene	1	ND		327.	26.6	07-Jan-11 11:45 JAM
108-95-2	Phenol	1	ND		327.	44.5	07-Jan-11 11:45 JAM
129-00-0	Pyrene	1	ND		327.	26.5	07-Jan-11 11:45 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		327.	30.2	07-Jan-11 11:45 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		327.	26.7	07-Jan-11 11:45 JAM

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 2 **Project:** 20118421

Lab ID: 20851480

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
83-32-9	Acenaphthene	1	ND		330.	28.2	07-Jan-11 10:14 JAM
208-96-8	Acenaphthylene	1	ND		330.	26.5	07-Jan-11 10:14 JAM
120-12-7	Anthracene	1	ND		330.	26.7	07-Jan-11 10:14 JAM
56-55-3	Benzo(a)anthracene	1	ND		330.	27.9	07-Jan-11 10:14 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		330.	32.1	07-Jan-11 10:14 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		330.	38.6	07-Jan-11 10:14 JAM
65-85-0	Benzoic acid	1	ND		833.	99.4	07-Jan-11 10:14 JAM
191-24-2	Benzo(g,h,i)perylene	1	ND		330.	28.6	07-Jan-11 10:14 JAM
50-32-8	Benzo(a)pyrene	1	ND		330.	32.2	07-Jan-11 10:14 JAM
100-51-6	Benzyl alcohol	1	ND		330.	38.6	07-Jan-11 10:14 JAM
101-55-3	4-Bromophenylphenyl ether	1	ND		330.	27.8	07-Jan-11 10:14 JAM
85-68-7	Butylbenzylphthalate	1	ND		330.	34.6	07-Jan-11 10:14 JAM
86-74-8	Carbazole	1	ND		330.	31.4	07-Jan-11 10:14 JAM
59-50-7	4-Chloro-3-methylphenol	1	ND		330.	31.6	07-Jan-11 10:14 JAM
106-47-8	3&4-Chloroaniline	1	ND		330.	166.	07-Jan-11 10:14 JAM
111-91-1	bis(2-Chloroethoxy)methane	1	ND		330.	33.7	07-Jan-11 10:14 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		330.	31.4	07-Jan-11 10:14 JAM
91-58-7	2-Chloronaphthalene	1	ND		330.	26.9	07-Jan-11 10:14 JAM
95-57-8	2-Chlorophenol	1	ND		330.	32.1	07-Jan-11 10:14 JAM
7005-72-3	4-Chlorophenylphenyl ether	1	ND		330.	31.6	07-Jan-11 10:14 JAM
218-01-9	Chrysene	1	ND		330.	27.6	07-Jan-11 10:14 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		330.	125.	07-Jan-11 10:14 JAM
132-64-9	Dibenzofuran	1	ND		330.	25.9	07-Jan-11 10:14 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		330.	28.0	07-Jan-11 10:14 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		330.	27.4	07-Jan-11 10:14 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		330.	25.4	07-Jan-11 10:14 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		667.	38.3	07-Jan-11 10:14 JAM
120-83-2	2,4-Dichlorophenol	1	ND		330.	31.3	07-Jan-11 10:14 JAM
84-66-2	Diethylphthalate	1	ND		330.	33.4	07-Jan-11 10:14 JAM
105-67-9	2,4-Dimethylphenol	1	ND		330.	34.8	07-Jan-11 10:14 JAM
131-11-3	Dimethylphthalate	1	ND		330.	31.6	07-Jan-11 10:14 JAM
84-74-2	Di-n-butylphthalate	1	ND		330.	32.2	07-Jan-11 10:14 JAM
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		330.	35.6	07-Jan-11 10:14 JAM
51-28-5	2,4-Dinitrophenol	1	ND		330.	58.2	07-Jan-11 10:14 JAM

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#Name?
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 2 **Project:** 20118421

Lab ID: 20851480

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
121-14-2	2,4-Dinitrotoluene	1	ND		330.	29.4	07-Jan-11 10:14 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		330.	29.5	07-Jan-11 10:14 JAM
117-84-0	Di-n-octylphthalate	1	ND		330.	41.4	07-Jan-11 10:14 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		330.	35.2	07-Jan-11 10:14 JAM
206-44-0	Fluoranthene	1	ND		330.	30.8	07-Jan-11 10:14 JAM
86-73-7	Fluorene	1	ND		330.	30.0	07-Jan-11 10:14 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND		330.	43.2	07-Jan-11 10:14 JAM
118-74-1	Hexachlorobenzene	1	ND		330.	28.2	07-Jan-11 10:14 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		330.	23.2	07-Jan-11 10:14 JAM
67-72-1	Hexachloroethane	1	ND		330.	38.1	07-Jan-11 10:14 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		330.	42.2	07-Jan-11 10:14 JAM
78-59-1	Isophorone	1	ND		330.	36.6	07-Jan-11 10:14 JAM
91-57-6	2-Methylnaphthalene	1	ND		330.	28.5	07-Jan-11 10:14 JAM
95-48-7	2-Methylphenol (o-Cresol)	1	ND		330.	29.3	07-Jan-11 10:14 JAM
	3&4-Methylphenol	1	ND		330.	29.6	07-Jan-11 10:14 JAM
91-20-3	Naphthalene	1	ND		330.	30.8	07-Jan-11 10:14 JAM
88-74-4	2-Nitroaniline	1	ND		330.	33.6	07-Jan-11 10:14 JAM
99-09-2	3-Nitroaniline	1	ND		330.	37.1	07-Jan-11 10:14 JAM
100-01-6	4-Nitroaniline	1	ND		330.	46.9	07-Jan-11 10:14 JAM
98-95-3	Nitrobenzene	1	ND		330.	31.9	07-Jan-11 10:14 JAM
88-75-5	2-Nitrophenol	1	ND		330.	31.9	07-Jan-11 10:14 JAM
100-02-7	4-Nitrophenol	1	ND		330.	33.1	07-Jan-11 10:14 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		330.	34.1	07-Jan-11 10:14 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		330.	35.0	07-Jan-11 10:14 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		330.	34.0	07-Jan-11 10:14 JAM
87-86-5	Pentachlorophenol	1	ND		330.	39.7	07-Jan-11 10:14 JAM
85-01-8	Phenanthrene	1	ND		330.	26.8	07-Jan-11 10:14 JAM
108-95-2	Phenol	1	ND		330.	44.9	07-Jan-11 10:14 JAM
129-00-0	Pyrene	1	ND		330.	26.8	07-Jan-11 10:14 JAM
120-82-1	1,2,4-Trichlorobenzene	1	ND		330.	28.0	07-Jan-11 10:14 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		330.	30.4	07-Jan-11 10:14 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		330.	26.9	07-Jan-11 10:14 JAM

Protocol Blank 2/2/2011 10:05:57

#Name?
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153396 BLANK 1 **Project:** 20118421

Lab ID: 20851476

Prep Level: Soil **Batch:** 153396

Method: Soil GC/MS Volatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
67-64-1	Acetone	1	ND		10.0	1.95	06-Jan-11 18:21 MLS
71-43-2	Benzene	1	ND		5.00	0.350	06-Jan-11 18:21 MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	06-Jan-11 18:21 MLS
75-25-2	Bromoform	1	ND		5.00	0.367	06-Jan-11 18:21 MLS
74-83-9	Bromomethane	1	ND		5.00	1.12	06-Jan-11 18:21 MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	06-Jan-11 18:21 MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410	06-Jan-11 18:21 MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	06-Jan-11 18:21 MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227	06-Jan-11 18:21 MLS
75-00-3	Chloroethane	1	ND		5.00	1.03	06-Jan-11 18:21 MLS
67-66-3	Chloroform	1	ND		5.00	0.334	06-Jan-11 18:21 MLS
74-87-3	Chloromethane	1	ND		5.00	0.316	06-Jan-11 18:21 MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	06-Jan-11 18:21 MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	06-Jan-11 18:21 MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	06-Jan-11 18:21 MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	06-Jan-11 18:21 MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	06-Jan-11 18:21 MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	06-Jan-11 18:21 MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	06-Jan-11 18:21 MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	06-Jan-11 18:21 MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	06-Jan-11 18:21 MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	06-Jan-11 18:21 MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	06-Jan-11 18:21 MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	06-Jan-11 18:21 MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306	06-Jan-11 18:21 MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557	06-Jan-11 18:21 MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	06-Jan-11 18:21 MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979	06-Jan-11 18:21 MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379	06-Jan-11 18:21 MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	06-Jan-11 18:21 MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	06-Jan-11 18:21 MLS
100-42-5	Styrene	1	ND		5.00	0.354	06-Jan-11 18:21 MLS
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	0.187	06-Jan-11 18:21 MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	06-Jan-11 18:21 MLS

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153396 BLANK 1 **Project:** 20118421

Lab ID: 20851476

Prep Level: Soil **Batch:** 153396

Method: Soil GC/MS Volatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	06-Jan-11 18:21 MLS
108-88-3	Toluene	1	ND		5.00	0.434	06-Jan-11 18:21 MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	06-Jan-11 18:21 MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	06-Jan-11 18:21 MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400	06-Jan-11 18:21 MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	06-Jan-11 18:21 MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331	06-Jan-11 18:21 MLS
	m&p-Xylene	1	ND		5.00	0.639	06-Jan-11 18:21 MLS
95-47-6	o-Xylene	1	ND		5.00	0.241	06-Jan-11 18:21 MLS

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153393 BLANK 1 **Project:** 20118421

Lab ID: 20851467

Prep Level: Soil **Batch:** 153393

Method: Soil GC Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
309-00-2	Aldrin	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
319-84-6	alpha-BHC	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
319-85-7	beta-BHC	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
319-86-8	delta-BHC	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
58-89-9	gamma-BHC (Lindane)	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
5103-71-9	alpha-Chlordane	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
5103-74-2	gamma-Chlordane	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
72-54-8	4,4'-DDD	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
72-55-9	4,4'-DDE	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
50-29-3	4,4'-DDT	1	ND		3.33	2.00	06-Jan-11 14:13 TWB
60-57-1	Dieldrin	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
959-98-8	Endosulfan I	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
33213-65-9	Endosulfan II	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
1031-07-8	Endosulfan sulfate	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
72-20-8	Endrin	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
7421-93-4	Endrin aldehyde	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
53494-70-5	Endrin ketone	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
76-44-8	Heptachlor	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
1024-57-3	Heptachlor epoxide	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
72-43-5	Methoxychlor	1	ND		16.7	8.50	06-Jan-11 14:13 TWB
8001-35-2	Toxaphene	1	ND		66.7	33.3	06-Jan-11 14:13 TWB

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153394 BLANK 1 **Project:** 20118421

Lab ID: 20851471

Prep Level: Soil **Batch:** 153394

Method: Soil GC Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
94-75-7	2,4-D	1	ND		66.7	43.7	07-Jan-11 19:19 SPP1
1918-00-9	Dicamba	1	ND		66.7	33.4	07-Jan-11 19:19 SPP1
120-36-5	Dichloroprop	1	ND		66.7	43.3	07-Jan-11 19:19 SPP1
94-74-6	MCPA	1	ND		8330	4960	07-Jan-11 19:19 SPP1
7085-19-0	MCPP	1	ND		8330	5390	07-Jan-11 19:19 SPP1
93-76-5	2,4,5-T	1	ND		66.7	33.4	07-Jan-11 19:19 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		66.7	33.4	07-Jan-11 19:19 SPP1

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153665 BLANK 1 **Project:** 20118421

Lab ID: 20852517

Prep Level: Soil **Batch:** 153665

Method: Soil GC Semivolatile Organics

Prepared: 11-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		33.3	26.0	12-Jan-11 11:25 TWB
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153540 BLANK 1 **Project:** 20118421

Lab ID: 20851977

Prep Level: Soil **Batch:** 153540

Method: Soil ICP Metals

Prepared: 10-Jan-11

Units: mg/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
7429-90-5	Aluminum	1	ND		20.0	3.92	11-Jan-11 14:45	KJR
7440-36-0	Antimony	1	ND		6.00	0.0893	11-Jan-11 14:45	KJR
7440-38-2	Arsenic	1	ND		1.00	0.0975	11-Jan-11 14:45	KJR
7440-39-3	Barium	1	ND		20.0	0.0385	11-Jan-11 14:45	KJR
7440-41-7	Beryllium	1	ND		0.500	0.0174	11-Jan-11 14:45	KJR
7440-43-9	Cadmium	1	ND		0.500	0.0143	11-Jan-11 14:45	KJR
7440-70-2	Calcium	1	ND		500.	5.93	11-Jan-11 14:45	KJR
7440-47-3	Chromium	1	ND		1.00	0.154	11-Jan-11 14:45	KJR
7440-48-4	Cobalt	1	ND		1.00	0.848	11-Jan-11 14:45	KJR
7440-50-8	Copper	1	ND		1.00	0.459	11-Jan-11 14:45	KJR
7439-89-6	Iron	1	ND		10.0	1.37	11-Jan-11 14:45	KJR
7439-92-1	Lead	1	ND		0.500	0.0988	11-Jan-11 14:45	KJR
7439-95-4	Magnesium	1	ND		500.	2.17	11-Jan-11 14:45	KJR
7439-96-5	Manganese	1	ND		1.50	0.111	11-Jan-11 14:45	KJR
7440-02-0	Nickel	1	ND		4.00	0.0656	11-Jan-11 14:45	KJR
7440-09-7	Potassium	1	ND		500.	6.66	11-Jan-11 14:45	KJR
7782-49-2	Selenium	1	ND		3.50	1.14	11-Jan-11 14:45	KJR
7440-22-4	Silver	1	ND		1.00	0.0254	11-Jan-11 14:45	KJR
7440-23-5	Sodium	1	ND		500.	2.49	11-Jan-11 14:45	KJR
7440-28-0	Thallium	1	ND		1.00	0.118	11-Jan-11 14:45	KJR
7440-62-2	Vanadium	1	ND		5.00	1.16	11-Jan-11 14:45	KJR
7440-66-6	Zinc	1	0.329	J	2.00	0.233	11-Jan-11 14:45	KJR

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153538 BLANK 1 **Project:** 20118421

Lab ID: 20851969

Prep Level: Soil **Batch:** 153538

Method: Soil Mercury

Prepared: 10-Jan-11

Units: mg/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
7439-97-6	Mercury	1	0.00164	J	0.0200	0.00161	11-Jan-11 09:23 TLB1

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Definitions/Qualifiers

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Value	Description
D1	The analysis was performed at a dilution due to the high analyte concentration.
G1	Interferences are present which caused poor surrogate recovery.
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q2	The matrix spike recoveries are poor due to the presence of matrix interferences. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite I
St. Rose, LA 7008
(504) 469-033

Subcontract Data/Reports

```
ERROR: rangecheck
OFFENDING COMMAND: pdfmark

STACK:

/LNK
-dictionary-
/A
[]
/Border
[164.341 699.519 254.341 685.269 ]
/Rect
[11 0 1 ]
/Color
-mark-
[{882 0 resolveR }]
-dictionary-
```

	CONTACTOR SUBMITTAL	Date 2/2/11

PROJECT NAME: **San Jacinto Waste Pits** Rev. 2/15/11

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**06** A

To:	**John LaPlante**	**References:**	Natural Stone - Chemistry
		Drawing/Spec:	
Subject:	**Natural Stone – Partial Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Western Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the partial analytical (missing 5 analytes including Mirex, cis-Nonachlor, trans-Nonachlor, Oxychlordane and Dalaphon). The missing analytes will be supplied by TestAmerica at a later date.

Revised

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	2/2/11		

Reply:

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only
Comments:

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Glenn Smalley	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. Jones Date: 03-01-11
Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone (mg/kg)	Qualifier	San Jacinto Processed Concrete (mg/kg)	Qualifier
Metals										
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	**2260**		**3700**	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	5.97	U	0.14	J
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	**1.06**		**3.1**	
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.498	U	0.44	U
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	**3.84**		**14**	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	**8.36**		**13**	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	**2.55**		**10**	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.0133	J	0.017	
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	**3.94**	J	**11**	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.996	U	0.078	J
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	**6.74**		**24**	
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.358	U	0.1	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.358	U	0.17	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	0.358	U	0.14	U
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.358	U	0.066	U
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.358	U	0.25	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	0.358	U	0.0089	U
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.358	U	0.27	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.358	U	0.17	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.358	U	0.015	U
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.358	U	0.0084	U
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.358	U	**0.027**	
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.358	U	**0.11**	
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.358	U	**0.09**	
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.358	U	**0.17**	
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.358	U	**0.059**	
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.358	U	**0.16**	
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.905	U	0.15	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.358	U	0.17	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.358	U	0.22	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.358	U	0.17	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.358	U	**0.12**	
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.358	U	0.019	U
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.147	J	0.17	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.358	U	0.2	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.358	U	0.16	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.358	U	0.16	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.358	U	**0.22**	
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.358	U	0.013	U
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.358	U	0.17	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.358	U	0.12	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.358	U	0.13	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.358	U	**0.04**	
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.358	U	0.016	U
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.358	U	0.17	U
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.358	U	0.17	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.358	U	**0.09**	
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.358	U	0.13	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.358	U	**0.19**	
Volatile Organic Compounds (VOCs)										
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.00548	U	0.0057	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.00548	U	0.0057	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.00548	U	0.0057	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.00548	U	0.0057	U
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.00548	U	0.0057	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.00548	U	0.0057	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.00548	U	0.0057	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.00548	U	0.0057	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.00548	U	0.0057	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.00548	U	0.0057	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.00548	U	0.011	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.00548	U	0.0057	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.00548	U	0.0057	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.00548	U	0.0057	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.00548	U	0.0057	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.00548	U	0.0057	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone (mg/kg)	Qualifier	San Jacinto Processed Concrete (mg/kg)	Qualifier
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.00548	U	0.0057	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.011	U	0.029	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.00548	U	0.0057	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.011	U	0.029	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.00548	U	0.0057	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.00548	U	0.0057	U
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.011	U	0.029	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.00841	J	0.0061	J
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.00548	U	0.0057	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.00548	U	0.0057	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.00548	U	0.0057	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.00548	U	0.0057	U
Bromoethane	8260B	0.0100	NL	NL	NL		--		0.0057	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.00548	U	0.0057	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.00548	U	0.011	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.00548	U	0.0057	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.00548	U	0.0057	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.00548	U	0.0057	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.00548	U	0.011	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.00548	U	0.0057	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.00548	U	0.011	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.00548	U	0.0057	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.00548	U	0.0057	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.00548	U	0.0057	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.00548	U	0.0057	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.00548	U	0.0057	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.00548	U	0.0057	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.00548	U	0.0057	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.00548	U	0.0057	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.00548	U	0.011	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.00548	U	0.057	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.00548	U	0.0057	U
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.00548	U	0.0057	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.00548	U	0.0057	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.00548	U	0.0057	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.00548	U	0.0057	U
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.00548	U	0.0057	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.00548	U	0.0057	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.00548	U	0.0057	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.00548	U	0.0057	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.000953	J	0.0057	U
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.00548	U	0.0057	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.00548	U	0.0057	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.00548	U	0.0057	U
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.00548	U	0.0057	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.00548	U	0.011	U
Organochlorine Pesticides										
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.00358	U [7]	0.0039	U [7]
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.00358	U [7]	0.0039	U [7]
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.00358	U [7]	0.0039	U [7]
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.00183	U	0.002	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.00358	U	0.0039	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.00183	U	0.002	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.00183	U	0.002	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.00183	U	0.002	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.00183	U	0.002	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.00183	U	0.002	U
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.00183	U	0.002	U
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.00183	U	0.002	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.00358	U	0.0039	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.00358	U	0.0039	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.00358	U	0.0039	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.00358	U	0.0039	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.00358	U	0.0039	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.00183	U	0.002	U
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.00183	U	0.002	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.0179	U	0.02	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone (mg/kg)	Qualifier	San Jacinto Processed Concrete (mg/kg)	Qualifier
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.02	U	0.02	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.002	U	0.002	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.002	U	0.002	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.0716	U	0.2	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.002	U	0.002	U
Chlorinated Herbicides										
2,4,5-T	8151	0.020	NL	NL	--		0.0723	U	0.0097	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0723	U	0.0097	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	--		0.0097	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	0.0023	U	2.3	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.0723	U	0.023	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.0723	U	0.12	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.144	U	0.12	U
MCPA	8151	1	1.2E-02	77	NL	0.01	9.03	U	2.3	U
MCPP	8151	1	2.3E-02	150	NL	0.02	9.03	U	2.3	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0723	U	0.0097	U
Polychlorinated Biphenyls (PCBs)										
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.0359	U	0.078	U
Dioxin/Furans, ng/kg										
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]		ng/kg [2]	
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	0.17	U	0.12	U
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.15	U	0.25	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.25	U	0.2	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.17	U	0.58	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.20	U	0.44	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	**0.45**		**20**	
OCDD	1613B	10	(3)	(3)	NL	(3)	1.4	J	**260**	
Furans										
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	0.43	J	0.23	U
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.11	U	0.12	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	**0.16**		0.13	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.13	J	0.22	U
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.13	J	0.18	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.26	J	0.12	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.17	J	0.11	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.21	J	1.8	U
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.24	J	0.27	U
OCDF	1613B	10	(3)	(3)	NL	(3)	0.68	J	4.2	U
TEQ (U=1/2)							0.36		0.60	

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

February 02, 2011

Glenn Smalley
USA ENVIRONMENT, L.P.
P.O. Box 87687
Houston, TX 77287

RE: Project 20118421
Project ID: SAN JAC. WASTE PITS

Dear Glenn Smalley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 04, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Karen Brown
karen.brown@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Client: USA ENVIRONMENT, L.P.

Project ID: SAN JAC. WASTE PITS

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001

U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119

Pennsylviania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX

Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Louisiana Dept. of Health and Hospitals (NELAC) LA100024

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

REPORT OF LABORATORY ANALYSIS

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the written consent of Pace Analytical Services, Inc.

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Client: USA ENVIRONMENT, L.P.

Project ID: SAN JAC. WASTE PITS

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
COMPOSITE	20851237	Soil	30-Dec-10 13:25	04-Jan-11 10:00

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Narrative detail for project management:

This is a resubmitted report. Several compounds originally requested were omitted from the report. This resubmission now contains all of the additional requested compounds except for Bromoethane and Dalapon.

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

Surrogate recoveries outside of QC limits are qualified in the surrogate results section.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Analytical Method	Batch	Sample used for QC
EPA 8081	153393	Batch sample from another client
EPA 8151	153394	Batch sample from another client
EPA 8082	153665	Batch sample from another client
EPA 6010	153540	Batch sample from another client
EPA 7471	153538	Batch sample from another client
EPA 8270	153326	Batch sample from another client
EPA 8260	153396	Project sample COMPOSITE
Dry Weight Moisture	154772	Project sample COMPOSITE

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153326
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
83-32-9	Acenaphthene	1	ND		358.	30.6		07-Jan-11 11:15 JAM
208-96-8	Acenaphthylene	1	ND		358.	28.7		07-Jan-11 11:15 JAM
120-12-7	Anthracene	1	ND		358.	29.0		07-Jan-11 11:15 JAM
56-55-3	Benzo(a)anthracene	1	ND		358.	30.3		07-Jan-11 11:15 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		358.	34.8		07-Jan-11 11:15 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		358.	42.0		07-Jan-11 11:15 JAM
65-85-0	Benzoic acid	1	ND		905.	108.		07-Jan-11 11:15 JAM
191-24-2	Benzo(g,h,i)perylene	1	ND		358.	31.0		07-Jan-11 11:15 JAM
50-32-8	Benzo(a)pyrene	1	ND		358.	35.0		07-Jan-11 11:15 JAM
100-51-6	Benzyl alcohol	1	ND		358.	41.9		07-Jan-11 11:15 JAM
101-55-3	4-Bromophenylphenyl ether	1	ND		358.	30.2		07-Jan-11 11:15 JAM
85-68-7	Butylbenzylphthalate	1	ND		358.	37.6		07-Jan-11 11:15 JAM
86-74-8	Carbazole	1	ND		358.	34.1		07-Jan-11 11:15 JAM
59-50-7	4-Chloro-3-methylphenol	1	ND		358.	34.3		07-Jan-11 11:15 JAM
106-47-8	3&4-Chloroaniline	1	ND		358.	180.		07-Jan-11 11:15 JAM
111-91-1	bis(2-Chloroethoxy)methane	1	ND		358.	36.6		07-Jan-11 11:15 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		358.	34.1		07-Jan-11 11:15 JAM
91-58-7	2-Chloronaphthalene	1	ND		358.	29.3		07-Jan-11 11:15 JAM
95-57-8	2-Chlorophenol	1	ND		358.	34.9		07-Jan-11 11:15 JAM
7005-72-3	4-Chlorophenylphenyl ether	1	ND		358.	34.3		07-Jan-11 11:15 JAM
218-01-9	Chrysene	1	ND		358.	29.9		07-Jan-11 11:15 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		358.	135.		07-Jan-11 11:15 JAM
132-64-9	Dibenzofuran	1	ND		358.	28.1		07-Jan-11 11:15 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		358.	30.4		07-Jan-11 11:15 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		358.	29.8		07-Jan-11 11:15 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		358.	27.6		07-Jan-11 11:15 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		724.	41.5		07-Jan-11 11:15 JAM
120-83-2	2,4-Dichlorophenol	1	ND		358.	34.0		07-Jan-11 11:15 JAM
84-66-2	Diethylphthalate	1	147.	J	358.	36.2		07-Jan-11 11:15 JAM
105-67-9	2,4-Dimethylphenol	1	ND		358.	37.7		07-Jan-11 11:15 JAM
131-11-3	Dimethylphthalate	1	ND		358.	34.3		07-Jan-11 11:15 JAM
84-74-2	Di-n-butylphthalate	1	ND		358.	35.0		07-Jan-11 11:15 JAM
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		358.	38.7		07-Jan-11 11:15 JAM
51-28-5	2,4-Dinitrophenol	1	ND		358.	63.2		07-Jan-11 11:15 JAM

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#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153326
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
121-14-2	2,4-Dinitrotoluene	1	ND		358.	31.9		07-Jan-11 11:15 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		358.	32.0		07-Jan-11 11:15 JAM
117-84-0	Di-n-octylphthalate	1	ND		358.	44.9		07-Jan-11 11:15 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		358.	38.2		07-Jan-11 11:15 JAM
206-44-0	Fluoranthene	1	ND		358.	33.5		07-Jan-11 11:15 JAM
86-73-7	Fluorene	1	ND		358.	32.6		07-Jan-11 11:15 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND		358.	46.9		07-Jan-11 11:15 JAM
118-74-1	Hexachlorobenzene	1	ND		358.	30.6		07-Jan-11 11:15 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		358.	25.2		07-Jan-11 11:15 JAM
67-72-1	Hexachloroethane	1	ND		358.	41.4		07-Jan-11 11:15 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		358.	45.8		07-Jan-11 11:15 JAM
78-59-1	Isophorone	1	ND		358.	39.8		07-Jan-11 11:15 JAM
91-57-6	2-Methylnaphthalene	1	ND		358.	30.9		07-Jan-11 11:15 JAM
95-48-7	2-Methylphenol (o-Cresol)	1	ND		358.	31.8		07-Jan-11 11:15 JAM
	3&4-Methylphenol	1	ND		358.	32.2		07-Jan-11 11:15 JAM
91-20-3	Naphthalene	1	ND		358.	33.4		07-Jan-11 11:15 JAM
88-74-4	2-Nitroaniline	1	ND		358.	36.4		07-Jan-11 11:15 JAM
99-09-2	3-Nitroaniline	1	ND		358.	40.3		07-Jan-11 11:15 JAM
100-01-6	4-Nitroaniline	1	ND		358.	50.9		07-Jan-11 11:15 JAM
98-95-3	Nitrobenzene	1	ND		358.	34.6		07-Jan-11 11:15 JAM
88-75-5	2-Nitrophenol	1	ND		358.	34.7		07-Jan-11 11:15 JAM
100-02-7	4-Nitrophenol	1	ND		358.	35.9		07-Jan-11 11:15 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		358.	37.0		07-Jan-11 11:15 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		358.	38.0		07-Jan-11 11:15 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		358.	36.9		07-Jan-11 11:15 JAM
87-86-5	Pentachlorophenol	1	ND		358.	43.1		07-Jan-11 11:15 JAM
85-01-8	Phenanthrene	1	ND		358.	29.1		07-Jan-11 11:15 JAM
108-95-2	Phenol	1	ND		358.	48.8		07-Jan-11 11:15 JAM
129-00-0	Pyrene	1	ND		358.	29.1		07-Jan-11 11:15 JAM
120-82-1	1,2,4-Trichlorobenzene	1	ND		358.	30.4		07-Jan-11 11:15 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		358.	33.0		07-Jan-11 11:15 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		358.	29.2		07-Jan-11 11:15 JAM

66 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153396
Method: EPA 8260
GCMS VOAs Full List Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
67-64-1	Acetone	1	8.41	J	11.0	2.14		06-Jan-11 20:07 MLS
71-43-2	Benzene	1	ND		5.48	0.384		06-Jan-11 20:07 MLS
108-86-1	Bromobenzene	1	ND		5.48	0.395		06-Jan-11 20:07 MLS
74-97-5	Bromochloromethane	1	ND		5.48	0.395		06-Jan-11 20:07 MLS
75-27-4	Bromodichloromethane	1	ND		5.48	0.386		06-Jan-11 20:07 MLS
75-25-2	Bromoform	1	ND		5.48	0.402		06-Jan-11 20:07 MLS
74-83-9	Bromomethane	1	ND		5.48	1.23		06-Jan-11 20:07 MLS
78-93-3	2-Butanone (MEK)	1	ND		11.0	1.07		06-Jan-11 20:07 MLS
104-51-8	n-Butylbenzene	1	ND		5.48	0.421		06-Jan-11 20:07 MLS
135-98-8	sec-Butylbenzene	1	ND		5.48	0.415		06-Jan-11 20:07 MLS
98-06-6	tert-Butylbenzene	1	ND		5.48	0.299		06-Jan-11 20:07 MLS
75-15-0	Carbon disulfide	1	ND		5.48	0.449		06-Jan-11 20:07 MLS
56-23-5	Carbon tetrachloride	1	ND		5.48	0.494		06-Jan-11 20:07 MLS
108-90-7	Chlorobenzene	1	ND		5.48	0.248		06-Jan-11 20:07 MLS
75-00-3	Chloroethane	1	ND		5.48	1.12		06-Jan-11 20:07 MLS
67-66-3	Chloroform	1	ND		5.48	0.366		06-Jan-11 20:07 MLS
74-87-3	Chloromethane	1	ND		5.48	0.346		06-Jan-11 20:07 MLS
95-49-8	2-Chlorotoluene	1	ND		5.48	0.398		06-Jan-11 20:07 MLS
106-43-4	4-Chlorotoluene	1	ND		5.48	0.505		06-Jan-11 20:07 MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.48	1.70		06-Jan-11 20:07 MLS
124-48-1	Dibromochloromethane	1	ND		5.48	0.367		06-Jan-11 20:07 MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.48	0.506		06-Jan-11 20:07 MLS
74-95-3	Dibromomethane	1	ND		5.48	0.488		06-Jan-11 20:07 MLS
106-46-7	1,4-Dichlorobenzene	1	ND		5.48	0.453		06-Jan-11 20:07 MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.48	0.499		06-Jan-11 20:07 MLS
75-34-3	1,1-Dichloroethane	1	ND		5.48	0.368		06-Jan-11 20:07 MLS
107-06-2	1,2-Dichloroethane	1	ND		5.48	0.575		06-Jan-11 20:07 MLS
75-35-4	1,1-Dichloroethene	1	ND		5.48	0.485		06-Jan-11 20:07 MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.48	0.370		06-Jan-11 20:07 MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.48	0.489		06-Jan-11 20:07 MLS
78-87-5	1,2-Dichloropropane	1	ND		5.48	0.438		06-Jan-11 20:07 MLS
142-28-9	1,3-Dichloropropane	1	ND		5.48	0.388		06-Jan-11 20:07 MLS
594-20-7	2,2-Dichloropropane	1	ND		5.48	0.558		06-Jan-11 20:07 MLS
563-58-6	1,1-Dichloropropene	1	ND		5.48	0.478		06-Jan-11 20:07 MLS

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#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153396
Method: EPA 8260
GCMS VOAs Full List Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.48	0.357		06-Jan-11 20:07 MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.48	0.481		06-Jan-11 20:07 MLS
100-41-4	Ethylbenzene	1	ND		5.48	0.335		06-Jan-11 20:07 MLS
591-78-6	2-Hexanone	1	ND		11.0	0.610		06-Jan-11 20:07 MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.48	0.453		06-Jan-11 20:07 MLS
99-87-6	p-Isopropyltoluene	1	ND		5.48	0.452		06-Jan-11 20:07 MLS
79-20-9	Methyl acetate	1	ND		11.0	1.07		06-Jan-11 20:07 MLS
75-09-2	Methylene chloride	1	ND		5.48	0.415		06-Jan-11 20:07 MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		11.0	0.625		06-Jan-11 20:07 MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.48	0.332		06-Jan-11 20:07 MLS
91-20-3	Naphthalene	1	ND		5.48	0.638		06-Jan-11 20:07 MLS
103-65-1	n-Propylbenzene	1	ND		5.48	0.350		06-Jan-11 20:07 MLS
100-42-5	Styrene	1	ND		5.48	0.387		06-Jan-11 20:07 MLS
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.48	0.205		06-Jan-11 20:07 MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.48	0.674		06-Jan-11 20:07 MLS
127-18-4	Tetrachloroethene	1	ND		5.48	0.275		06-Jan-11 20:07 MLS
108-88-3	Toluene	1	0.953	J	5.48	0.475		06-Jan-11 20:07 MLS
87-61-6	1,2,3-Trichlorobenzene	1	ND		5.48	0.547		06-Jan-11 20:07 MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.48	0.502		06-Jan-11 20:07 MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.48	0.342		06-Jan-11 20:07 MLS
79-01-6	Trichloroethene	1	ND		5.48	0.438		06-Jan-11 20:07 MLS
75-69-4	Trichlorofluoromethane	1	ND		5.48	0.956		06-Jan-11 20:07 MLS
96-18-4	1,2,3-Trichloropropane	1	ND		5.48	0.705		06-Jan-11 20:07 MLS
95-63-6	1,2,4-Trimethylbenzene	1	ND		5.48	0.445		06-Jan-11 20:07 MLS
108-67-8	1,3,5-Trimethylbenzene	1	ND		5.48	0.365		06-Jan-11 20:07 MLS
75-01-4	Vinyl chloride	1	ND		5.48	0.363		06-Jan-11 20:07 MLS
	m&p-Xylene	1	ND		5.48	0.700		06-Jan-11 20:07 MLS
95-47-6	o-Xylene	1	ND		5.48	0.264		06-Jan-11 20:07 MLS

62 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153393
Method: EPA 8081
8081 Pests Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
309-00-2	Aldrin	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
319-84-6	alpha-BHC	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
319-85-7	beta-BHC	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
319-86-8	delta-BHC	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
58-89-9	gamma-BHC (Lindane)	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
5103-71-9	alpha-Chlordane	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
5103-74-2	gamma-Chlordane	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
72-54-8	4,4'-DDD	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
72-55-9	4,4'-DDE	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
50-29-3	4,4'-DDT	1	ND		3.58	2.15		06-Jan-11 15:49 TWB
60-57-1	Dieldrin	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
959-98-8	Endosulfan I	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
33213-65-9	Endosulfan II	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
1031-07-8	Endosulfan sulfate	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
72-20-8	Endrin	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
7421-93-4	Endrin aldehyde	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
53494-70-5	Endrin ketone	1	ND		3.58	1.79		06-Jan-11 15:49 TWB
76-44-8	Heptachlor	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
1024-57-3	Heptachlor epoxide	1	ND		1.83	0.913		06-Jan-11 15:49 TWB
72-43-5	Methoxychlor	1	ND		17.9	9.13		06-Jan-11 15:49 TWB
8001-35-2	Toxaphene	1	ND		71.6	35.8		06-Jan-11 15:49 TWB

21 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153665
Method: EPA 8082
8082 PCBs Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 11-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		35.9	28.1		12-Jan-11 12:43 TWB
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		35.9	17.9		12-Jan-11 12:43 TWB

7 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153394
Method: EPA 8151
8151 Herbs Low Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 06-Jan-11

Units: ug/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
94-75-7	2,4-D	1	ND		72.3	47.3		07-Jan-11 21:37 SPP1
1918-00-9	Dicamba	1	ND		72.3	36.1		07-Jan-11 21:37 SPP1
120-36-5	Dichloroprop	1	ND		72.3	46.9		07-Jan-11 21:37 SPP1
88-85-7	Dinoseb	1	ND		144.	72.1		07-Jan-11 21:37 SPP1
94-74-6	MCPA	1	ND		9030	5380		07-Jan-11 21:37 SPP1
7085-19-0	MCPP	1	ND		9030	5840		07-Jan-11 21:37 SPP1
93-76-5	2,4,5-T	1	ND		72.3	36.1		07-Jan-11 21:37 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		72.3	36.1		07-Jan-11 21:37 SPP1

8 compound(s) reported

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#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153540
Method: EPA 6010
Metals, ICP, Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 10-Jan-11

Units: mg/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis	
7429-90-5	Aluminum	1	2260		19.9	3.90		11-Jan-11 17:11	KJR
7440-36-0	Antimony	1	ND		5.97	0.0889		11-Jan-11 17:11	KJR
7440-38-2	Arsenic	1	1.06		0.996	0.0971		11-Jan-11 17:11	KJR
7440-39-3	Barium	1	10.6	J	19.9	0.0383		11-Jan-11 17:11	KJR
7440-41-7	Beryllium	1	ND		0.498	0.0173		11-Jan-11 17:11	KJR
7440-43-9	Cadmium	1	ND		0.498	0.0143		11-Jan-11 17:11	KJR
7440-70-2	Calcium	10	201000	D1	4980	59.1		12-Jan-11 09:51	KJR
7440-47-3	Chromium	1	3.84		0.996	0.153		11-Jan-11 17:11	KJR
7440-48-4	Cobalt	1	ND		0.996	0.844		11-Jan-11 17:11	KJR
7440-50-8	Copper	1	8.36		0.996	0.457		11-Jan-11 17:11	KJR
7439-89-6	Iron	1	2550		9.96	1.36		11-Jan-11 17:11	KJR
7439-92-1	Lead	1	2.55		0.498	0.0984		11-Jan-11 17:11	KJR
7439-95-4	Magnesium	10	117000	D1	4980	21.6		12-Jan-11 09:51	KJR
7439-96-5	Manganese	1	256.		1.49	0.110		11-Jan-11 17:11	KJR
7440-02-0	Nickel	1	3.94	J	3.98	0.0653		11-Jan-11 17:11	KJR
7440-09-7	Potassium	1	226.	J	498.	6.63		11-Jan-11 17:11	KJR
7782-49-2	Selenium	1	ND		3.48	1.13		11-Jan-11 17:11	KJR
7440-22-4	Silver	1	ND		0.996	0.0253		11-Jan-11 17:11	KJR
7440-23-5	Sodium	1	367.	J	498.	2.48		11-Jan-11 17:11	KJR
7440-28-0	Thallium	1	ND		0.996	0.117		11-Jan-11 17:11	KJR
7440-62-2	Vanadium	1	7.17		4.98	1.16		11-Jan-11 17:11	KJR
7440-66-6	Zinc	1	6.74		1.99	0.232		11-Jan-11 17:11	KJR

22 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: USA ENVIRONMENT, L.P.

Client ID: COMPOSITE
Project: 20118421
Project ID: SAN JAC. WASTE PITS
Site: None
Lab ID: 20851237
Matrix: Soil
% Moisture: 8.7 Corrected
Description: None
Prep Level: Soil
Batch: 153538
Method: EPA 7471
Mercury Soil
Collected: 30-Dec-10
Received: 04-Jan-11
Prepared: 10-Jan-11

Units: mg/kg

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Reg Limit	Analysis
7439-97-6	Mercury	1	0.0133	J	0.0146	0.00118		11-Jan-11 09:27 TLB1

1 compound(s) reported

Protocol 2/2/2011 10:05:52

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421

Method: Soil GC/MS Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851222	153326 BLANK 1		49	84	73	86	72	91		
20851480	153326 BLANK 2		81	92	81	96	78	105		
20851223	153326 LCS 1		102	83	68	79	76	87		
20851481	153326 LCS 2		91	88	70	88	78	94		
20851237	COMPOSITE		89	91	84	102	84	97		
20851224	S-001 MS 1		91	89	78	91	86	88		
20851225	S-001 MSD 1		71	69	60	80	65	66		
	QC limits:		10-124	22-119	17-110	10-125	13-121	30-149		

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153396 **Project:** 20118421

Method: Soil GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851476	153396 BLANK 1		103	101	93					
20851477	153396 LCS 1		104	93	98					
20851237	COMPOSITE		118	112	108					
20851478	COMPOSITE MS 1		120	111	112					
20851479	COMPOSITE MSD 1		122	112	114					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153393 **Project:** 20118421

Method: Soil GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851467	153393 BLANK 1		68	66	63	61				
20851468	153393 LCS 1		85	80	84	84				
20851237	COMPOSITE		57	52	72	70				
20851469	S-001 MS 1		39	38	37	53				
20851470	S-001 MSD 1		30	28	49	59				
	QC limits:		15-179	15-177	10-144	10-178				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153394 **Project:** 20118421

Method: Soil GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20851471	153394 BLANK 1		119	117						
20851472	153394 LCS 1		125	119						
20851237	COMPOSITE		14	13						
20851473	S-001 MS 1		92	84						
20851474	S-001 MSD 1		87	81						
	QC limits:		10-169	10-161						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

Surrogates 2/2/2011 10:05:53

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153665 **Project:** 20118421

Method: Soil GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20852517	153665 BLANK 1		85	86	82	89				
20852518	153665 LCS 1		106	105	106	113				
20852519	1795960 MS 1	G1	0 *	0 *	58	70				
20852520	1795960 MSD 1	G1	0 *	0 *	56	80				
20851237	COMPOSITE		50	62	93	86				
	QC limits:		30-187	15-184	30-178	10-171				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851223 07-Jan-11 12:15

Method: Soil GC/MS Semivolatile Organics **MS:** 20851224 07-Jan-11 12:45

Units: ug/kg **MSD:** 20851225 07-Jan-11 13:15

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1650	1190	72	1650		1420	1150	86	70	21 *	46-110	10-138	20	
Acenaphthylene	1650	1170	71	1650		1430	1160	87	70	21 *	47-110	10-130	20	
Anthracene	1650	1200	73	1650		1400	1120	85	68	22 *	48-111	10-135	20	
Benzo(a)anthracene	1650	1160	71	1650		1350	1060	82	64	24 *	47-110	10-136	20	
Benzo(b)fluoranthene	1650	1210	74	1650		1370	1070	83	65	25 *	44-111	10-152	20	
Benzo(k)fluoranthene	1650	1170	71	1650		1370	1040	83	63	27 *	45-112	10-145	20	
Benzo(a)pyrene	1650	1180	72	1650		1360	1070	82	65	23 *	47-112	10-135	20	
Butylbenzylphthalate	1650	1140	69	1650		1390	1020	84	62	31 *	42-121	10-164	20	
3&4-Chloroaniline	1650	1110	68	1650		1360	1040	82	63	27 *	21-121	10-128	21	
bis(2-Chloroethyl) ether	1650	1100	67	1650		1510	1190	91	73	23 *	41-113	17-131	20	
2-Chloronaphthalene	1650	1120	68	1650		1360	1110	82	67	20	47-110	16-120	20	
2-Chlorophenol	1650	1070	65	1650		1400	1150	85	70	20	42-110	16-118	20	
Chrysene	1650	1150	70	1650		1310	1050	79	64	22 *	46-110	10-134	20	
Dibenz(a,h)anthracene	1650	1180	72	1650		1320	1080	80	66	20	38-121	10-121	20	
Dibenzofuran	1650	1150	70	1650		1380	1120	84	68	21 *	48-110	10-129	20	
1,2-Dichlorobenzene	1650	1100	67	1650		1420	1190	86	73	17	44-110	18-120	20	
1,3-Dichlorobenzene	1650	1070	65	1650		1390	1160	85	71	18	43-110	17-118	20	
1,4-Dichlorobenzene	1650	1070	65	1650		1390	1170	84	71	17	43-110	18-118	20	
3,3'-Dichlorobenzidine	1650	1000	61	1650		1370	876.	83	53	44 *	34-132	10-142	22	
2,4-Dichlorophenol	1650	1020	62	1650		1330	1110	81	67	19	37-110	10-121	20	
Diethylphthalate	1650	1150	70	1650		1410	1130	85	68	22 *	45-117	14-128	20	
2,4-Dimethylphenol	1650	1060	64	1650		1340	1030	81	62	26 *	33-110	10-128	20	
Dimethylphthalate	1650	1130	69	1650		1400	1170	85	71	18	46-114	14-129	20	
2,4-Dinitrophenol	1650	1030	63	1650		1480	1130	90	69	27 *	10-115	10-130	20	
2,4-Dinitrotoluene	1650	1120	68	1650		1390	1120	84	68	21	44-111	10-136	22	
2,6-Dinitrotoluene	1650	1140	69	1650		1420	1140	86	70	21 *	47-110	10-130	20	
Di-n-octylphthalate	1650	1210	74	1650		1550	1140	94	69	31 *	36-129	10-204	20	
bis(2-Ethylhexyl)phthalate	1650	1130	69	1650	48.3	1450	1130	85	66	25 *	41-122	10-164	20	
Fluoranthene	1650	1200	73	1650		1390	1100	85	67	24 *	44-114	10-142	20	
Fluorene	1650	1210	74	1650		1430	1160	87	70	21 *	46-110	10-138	20	
Hexachloro-1,3-butadiene	1650	1110	67	1650		1310	1050	79	64	22 *	35-110	10-125	20	
Hexachlorobenzene	1650	1200	73	1650		1420	1120	86	68	24 *	45-110	10-123	20	
Hexachlorocyclopentadiene	1650	959.	58	1650		1040	617.	63	38	51 *	13-111	10-112	24	
Hexachloroethane	1650	1110	68	1650		1410	1150	86	70	21 *	42-110	10-130	20	
Indeno(1,2,3-cd)pyrene	1650	1160	70	1650		1300	1060	79	65	20	38-120	10-123	20	
Isophorone	1650	1100	67	1650		1410	1200	86	73	16	36-110	10-132	20	
2-Methylnaphthalene	1650	1120	68	1650		1360	1140	83	69	18	37-110	10-143	20	
Naphthalene	1650	1140	69	1650		1410	1180	85	72	17	36-110	10-133	20	
2-Nitroaniline	1650	1170	71	1650		1510	1240	92	75	20	45-114	10-139	20	
3-Nitroaniline	1650	1080	66	1650		1340	1050	81	64	25 *	35-117	10-131	23	
4-Nitroaniline	1650	1200	73	1650		1450	1180	88	72	21	37-122	10-145	21	

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851223 07-Jan-11 12:15

Method: Soil GC/MS Semivolatile Organics **MS:** 20851224 07-Jan-11 12:45

Units: ug/kg **MSD:** 20851225 07-Jan-11 13:15

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Nitrobenzene	1650	1130	69	1650		1440	1230	87	75	16	37-110	10-130	20	
4-Nitrophenol	1650	1010	62	1650		1330	932.	81	57	35 *	26-129	10-138	26	
N-Nitroso-di-n-propylamine	1650	1150	70	1650		1510	1270	92	77	17	41-119	10-143	20	
N-Nitrosodiphenylamine	1650	1370	83	1650		1670	1340	101	81	22 *	42-123	10-159	20	
2,2'-Oxybis(1-chloropropane)	1650	1150	70	1650		1510	1250	92	76	19	32-122	12-130	20	
Pentachlorophenol	1650	922.	56	1650		1520	1090	92	66	33 *	29-119	10-143	21	
Phenanthrene	1650	1190	72	1650		1400	1110	85	68	23 *	46-110	10-142	20	
Phenol	1650	1020	62	1650		1290	999.	78	61	25 *	40-110	10-122	20	
Pyrene	1650	1200	73	1650		1370	1070	83	65	25 *	41-115	10-166	20	
2,4,5-Trichlorophenol	1650	1060	64	1650		1370	1080	83	66	23 *	44-110	11-120	20	
2,4,6-Trichlorophenol	1650	1030	63	1650		1320	1090	80	66	19	44-110	10-122	20	

52 compound(s) reported

QC Protocol 2/2/2011 10:05:55

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Quality Control

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851481 07-Jan-11 10:44

Method: Soil GC/MS Semivolatile Organics **MS:**

Units: ug/kg **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1670	1260	75								46-110			
Acenaphthylene	1670	1250	75								47-110			
Anthracene	1670	1310	79								48-111			
Benzo(a)anthracene	1670	1280	77								47-110			
Benzo(b)fluoranthene	1670	1310	79								44-111			
Benzo(k)fluoranthene	1670	1290	78								45-112			
Benzoic acid	1670	763.	46								10-121			
Benzo(g,h,i)perylene	1670	1290	78								34-124			
Benzo(a)pyrene	1670	1290	78								47-112			
Benzyl alcohol	1670	1090	66								37-114			
4-Bromophenylphenyl ether	1670	1190	72								41-123			
Butylbenzylphthalate	1670	1270	76								42-121			
Carbazole	1670	1380	83								44-119			
4-Chloro-3-methylphenol	1670	1140	69								34-110			
3&4-Chloroaniline	1670	1160	69								21-121			
bis(2-Chloroethoxy)methane	1670	1140	68								35-110			
bis(2-Chloroethyl) ether	1670	1140	68								41-113			
2-Chloronaphthalene	1670	1190	71								47-110			
2-Chlorophenol	1670	1110	67								42-110			
4-Chlorophenylphenyl ether	1670	1190	71								45-114			
Chrysene	1670	1290	77								46-110			
Dibenz(a,h)anthracene	1670	1300	78								38-121			
Dibenzofuran	1670	1220	73								48-110			
1,2-Dichlorobenzene	1670	1130	68								44-110			
1,3-Dichlorobenzene	1670	1100	66								43-110			
1,4-Dichlorobenzene	1670	1110	66								43-110			
3,3'-Dichlorobenzidine	1670	1280	77								34-132			
2,4-Dichlorophenol	1670	1080	65								37-110			
Diethylphthalate	1670	1220	73								45-117			
2,4-Dimethylphenol	1670	1100	66								33-110			
Dimethylphthalate	1670	1200	72								46-114			
Di-n-butylphthalate	1670	1230	74								44-118			
4,6-Dinitro-2-methylphenol	1670	1050	63								33-114			
2,4-Dinitrophenol	1670	881.	53								10-115			
2,4-Dinitrotoluene	1670	1190	71								44-111			
2,6-Dinitrotoluene	1670	1210	72								47-110			
Di-n-octylphthalate	1670	1320	79								36-129			
bis(2-Ethylhexyl)phthalate	1670	1250	75								41-122			
Fluoranthene	1670	1300	78								44-114			
Fluorene	1670	1280	77								46-110			
Hexachloro-1,3-butadiene	1670	1160	70								35-110			

QC Protocol 2/2/2011 10:05:55

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Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153326 **Project:** 20118421 **LCS:** 20851481 07-Jan-11 10:44

Method: Soil GC/MS Semivolatile Organics **MS:**

Units: ug/kg **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Hexachlorobenzene	1670	1310	79								45-110			
Hexachlorocyclopentadiene	1670	996.	60								13-111			
Hexachloroethane	1670	1150	69								42-110			
Indeno(1,2,3-cd)pyrene	1670	1280	77								38-120			
Isophorone	1670	1160	70								36-110			
2-Methylnaphthalene	1670	1170	71								37-110			
2-Methylphenol (o-Cresol)	1670	1110	66								41-110			
3&4-Methylphenol	1670	1050	63								40-110			
Naphthalene	1670	1200	72								36-110			
2-Nitroaniline	1670	1240	74								45-114			
3-Nitroaniline	1670	1140	68								35-117			
4-Nitroaniline	1670	1240	74								37-122			
Nitrobenzene	1670	1190	71								37-110			
2-Nitrophenol	1670	1140	68								36-110			
4-Nitrophenol	1670	1070	64								26-129			
N-Nitroso-di-n-propylamine	1670	1190	71								41-119			
N-Nitrosodiphenylamine	1670	1490	90								42-123			
2,2'-Oxybis(1-chloropropane)	1670	1190	71								32-122			
Pentachlorophenol	1670	1170	70								29-119			
Phenanthrene	1670	1290	78								46-110			
Phenol	1670	1060	63								40-110			
Pyrene	1670	1310	79								41-115			
1,2,4-Trichlorobenzene	1670	1150	69								36-110			
2,4,5-Trichlorophenol	1670	1130	68								44-110			
2,4,6-Trichlorophenol	1670	1110	66								44-110			

66 compound(s) reported

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153396 **Project:** 20118421 **LCS:** 20851477 06-Jan-11 18:42

Method: Soil GC/MS Volatile Organics **MS:** 20851478 06-Jan-11 20:28

Units: ug/kg **MSD:** 20851479 06-Jan-11 20:50

Original for MS: Client Sample 20851237

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	28.7	58	54.8	8.41	34.8	47.4	48	71	31 *	10-200	10-211	20	
Benzene	50.0	48.7	97	54.8		53.4	53.3	98	97	0	63-133	54-141	20	
Bromodichloromethane	50.0	48.9	98	54.8		50.8	51.0	93	93	0	65-132	62-136	20	
Bromoform	50.0	49.9	100	54.8		48.5	47.4	89	87	2	50-151	48-153	20	
Bromomethane	50.0	45.1	90	54.8		48.5	48.5	89	89	0	48-149	46-151	20	
2-Butanone (MEK)	50.0	40.1	80	54.8		35.5	41.6	65	76	16	11-169	10-184	20	
Carbon disulfide	50.0	54.6	109	54.8		74.3	56.0	136	102	28 *	23-151	11-161	20	
Carbon tetrachloride	50.0	49.4	99	54.8		57.0	59.2	104	108	4	54-144	49-146	20	
Chlorobenzene	50.0	47.6	95	54.8		50.8	50.1	93	92	1	69-131	67-136	20	
Chloroethane	50.0	57.0	114	54.8		62.8	61.8	115	113	2	31-189	22-185	20	
Chloroform	50.0	51.8	104	54.8		55.9	56.3	102	103	1	68-132	64-138	20	
Chloromethane	50.0	43.8	88	54.8		49.2	51.5	90	94	5	25-160	23-163	20	
1,2-Dibromo-3-chloropropane	50.0	45.6	91	54.8		45.7	43.7	83	80	4	34-147	32-155	20	
Dibromochloromethane	50.0	49.2	99	54.8		50.5	49.4	92	90	2	59-137	57-141	20	
1,2-Dibromoethane (EDB)	50.0	47.5	95	54.8		48.0	46.0	88	84	4	57-146	55-151	20	
1,1-Dichloroethane	50.0	48.6	97	54.8		54.7	54.8	100	100	0	62-135	59-139	20	
1,2-Dichloroethane	50.0	49.5	99	54.8		49.5	50.0	90	91	1	58-144	56-150	20	
1,1-Dichloroethene	50.0	52.0	104	54.8		60.8	59.2	111	108	3	46-152	32-164	20	
cis-1,2-Dichloroethene	50.0	47.8	96	54.8		52.4	51.9	96	95	1	62-132	59-137	20	
trans-1,2-Dichloroethene	50.0	50.2	100	54.8		57.3	56.8	105	104	1	55-136	51-141	20	
1,2-Dichloropropane	50.0	47.2	94	54.8		50.1	51.5	92	94	3	62-129	61-133	20	
cis-1,3-Dichloropropene	50.0	47.2	94	54.8		49.2	47.8	90	87	3	61-139	58-139	20	
trans-1,3-Dichloropropene	50.0	48.2	96	54.8		48.9	47.0	89	86	4	58-143	54-150	20	
Ethylbenzene	50.0	47.3	95	54.8		51.0	52.2	93	95	2	69-130	63-136	20	
2-Hexanone	50.0	47.5	95	54.8		36.2	32.6	66	60	11	21-155	16-166	20	
Isopropylbenzene (Cumene)	50.0	51.2	102	54.8		55.9	56.9	102	104	2	54-143	51-148	20	
Methylene chloride	50.0	55.5	111	54.8		59.8	60.1	109	110	0	37-171	31-166	20	
4-Methyl-2-pentanone (MIBK	50.0	49.0	98	54.8		44.5	43.7	81	80	2	38-161	34-170	20	
Methyl-tert-butyl ether	50.0	52.1	104	54.8		53.0	53.3	97	97	1	48-152	47-159	20	
Styrene	50.0	48.2	96	54.8		48.1	47.9	88	88	0	71-135	60-143	20	
1,1,1,2-Tetrachloroethane	50.0	48.5	97	54.8		50.8	50.0	93	91	2	68-137	65-140	20	
1,1,2,2-Tetrachloroethane	50.0	45.4	91	54.8		37.0	37.4	68	68	1	34-161	28-169	20	
Tetrachloroethene	50.0	52.4	105	54.8		129.	130.	235 *	237 *	1	52-159	43-161	20	Q1
Toluene	50.0	50.9	102	54.8	0.953	54.4	54.8	98	98	1	66-131	58-137	20	
1,1,1-Trichloroethane	50.0	47.2	94	54.8		55.8	57.3	102	105	3	63-131	58-135	20	
1,1,2-Trichloroethane	50.0	47.2	95	54.8		48.6	47.4	89	87	2	62-134	59-139	20	
Trichloroethene	50.0	49.5	99	54.8		63.2	61.6	115	113	2	67-134	57-144	20	
Trichlorofluoromethane	50.0	44.2	89	54.8		53.1	55.5	97	101	5	40-187	17-190	20	
Vinyl chloride	50.0	46.4	93	54.8		55.7	58.5	102	107	5	37-149	29-152	20	
m&p-Xylene	100.	94.8	95	110.		101.	101.	92	92	0	67-135	60-139	20	
o-Xylene	50.0	48.8	98	54.8		49.2	50.2	90	92	2	66-131	61-136	20	

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153396 **Project:** 20118421 **LCS:** 20851477 06-Jan-11 18:42

Method: Soil GC/MS Volatile Organics **MS:** 20851478 06-Jan-11 20:28

Units: ug/kg **MSD:** 20851479 06-Jan-11 20:50

Original for MS: Client Sample 20851237

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu

41 compound(s) reported

QC Protocol 2/2/2011 10:05:55

* denotes recovery outside of QC limits.
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153393 **Project:** 20118421 **LCS:** 20851468 06-Jan-11 14:29

Method: Soil GC Semivolatile Organics **MS:** 20851469 06-Jan-11 15:01

Units: ug/kg **MSD:** 20851470 06-Jan-11 15:17

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	16.7	10.2	61	16.2		7.91	7.89	49	49	0	28-135	10-167	22	
alpha-BHC	16.7	9.55	57	16.2		11.4	12.6	70	78	10	27-135	10-175	20	
beta-BHC	16.7	10.1	60	16.2		10.8	10.4	67	64	4	30-136	10-188	24	
delta-BHC	16.7	7.04	42	16.2		10.5	10.5	65	65	0	20-147	10-182	22	
gamma-BHC (Lindane)	16.7	9.46	57	16.2		11.6	12.4	72	77	7	29-136	10-181	21	
alpha-Chlordane	16.7	9.75	59	16.2		8.67	8.51	54	53	2	31-139	10-180	20	
gamma-Chlordane	16.7	9.74	58	16.2		8.54	8.34	53	52	2	32-138	10-176	20	
4,4'-DDD	16.7	9.25	56	16.2		9.84	8.74	61	54	12	31-145	10-188	20	
4,4'-DDE	16.7	9.82	59	16.2		7.81	7.48	48	46	4	32-142	10-182	20	
4,4'-DDT	16.7	8.85	53	16.2		8.43	7.53	52	47	11	29-136	10-181	20	
Dieldrin	16.7	9.45	57	16.2		9.31	9.56	57	59	3	32-137	10-170	20	
Endosulfan I	16.7	4.15	25	16.2		6.60	8.16	41	51	21	10-121	10-160	24	
Endosulfan II	16.7	4.21	25	16.2		7.11	8.36	44	52	16	10-123	10-175	20	
Endosulfan sulfate	16.7	8.87	53	16.2		11.6	11.1	72	69	5	28-146	10-171	20	
Endrin	16.7	9.58	58	16.2		11.1	10.9	68	68	1	31-168	10-204	20	
Endrin aldehyde	16.7	9.15	55	16.2		9.52	8.24	59	51	14	20-143	10-176	22	
Endrin ketone	16.7	9.47	57	16.2		11.3	11.1	70	69	1	25-145	10-184	21	
Heptachlor	16.7	9.84	59	16.2		9.47	11.7	58	72	21	31-135	10-161	25	
Heptachlor epoxide	16.7	9.99	60	16.2		11.2	10.7	69	66	4	26-133	10-177	23	
Methoxychlor	16.7	9.93	60	16.2		10.6	9.83	65	61	7	27-155	10-207	23	

20 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 2/2/2011 10:05:55

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153665 **Project:** 20118421 **LCS:** 20852518 12-Jan-11 11:40

Method: Soil GC Semivolatile Organics **MS:** 20852519 12-Jan-11 12:12

Units: ug/kg **MSD:** 20852520 12-Jan-11 12:27

Original for MS: Batch Sample 20850326

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
PCB-1016 (Aroclor 1016)	333.	292.	88	327.	2250	2650	6110	124	1169 *	79 *	25-139	10-144	28	Q3
PCB-1260 (Aroclor 1260)	333.	259.	78	327.				0 *	0 *	0	29-138	10-168	26	Q2,Q1

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 2/2/2011 10:05:55

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153394 **Project:** 20118421 **LCS:** 20851472 07-Jan-11 19:42

Method: Soil GC Semivolatile Organics **MS:** 20851473 07-Jan-11 20:28

Units: ug/kg **MSD:** 20851474 07-Jan-11 20:51

Original for MS: Batch Sample 20851126

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	667.	729.	109	656.		447.	436.	68	66	2	10-189	10-165	35	
Dicamba	66.7	68.8	103	65.6		ND	ND	19	49	88 *	10-179	10-163	47	
Dichloroprop	667.	765.	115	656.		557.	541.	85	82	3	33-178	10-200	32	
MCPA	66700	68900	103	65600		40300	45600	61	69	12	19-186	10-183	35	
MCPP	66700	66700	100	65600		65600	56100	100	86	16	19-198	10-180	37	
2,4,5-T	66.7	72.2	108	65.6		ND	36.4	49	55	12	20-193	10-178	34	
2,4,5-TP (Silvex)	66.7	70.5	106	65.6		47.5	44.8	72	68	6	34-188	10-184	34	

7 compound(s) reported

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153540 **Project:** 20118421 **LCS:** 20851978 11-Jan-11 14:49

Method: Soil ICP Metals **MS:** 20851979 11-Jan-11 14:56

Units: mg/kg **MSD:** 20851980 11-Jan-11 15:00

Original for MS: Batch Sample 20851936

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aluminum	1000	955.	96	807.	1930	4110	4270	271 *	295 *	4	72-127	10-236	20	Q1
Antimony	100.	93.0	93	80.7		56.5	54.7	70	69	3	74-122	10-129	20	
Arsenic	100.	91.0	91	80.7	1.70	73.5	72.8	89	90	1	71-122	53-130	20	
Barium	100.	96.8	97	80.7	27.5	111.	111.	103	105	0	75-124	23-175	20	
Beryllium	100.	96.1	96	80.7		77.2	75.9	96	96	2	75-120	60-128	20	
Cadmium	100.	93.4	93	80.7	0.0979	71.2	69.8	88	88	2	68-125	56-124	20	
Calcium	1000	962.	96	807.	6650	6710	7320	7 *	85	9	76-122	10-198	20	Q3
Chromium	100.	96.4	96	80.7	3.59	80.9	80.4	96	97	1	71-125	54-138	20	
Cobalt	100.	96.8	97	80.7	2.85	78.0	77.7	93	94	0	75-123	52-132	20	
Copper	100.	97.4	97	80.7	2.63	80.5	79.9	97	97	1	76-124	49-149	20	
Iron	1000	975.	98	807.	4600	5900	6310	161	216	7	72-127	10-234	20	
Lead	100.	93.6	94	80.7	3.80	74.3	73.2	87	87	2	72-125	38-146	20	
Magnesium	1000	957.	96	807.	2230	3150	3230	114	125	2	76-119	10-233	20	
Manganese	100.	96.8	97	80.7	70.7	147.	152.	95	102	3	79-119	10-193	20	
Nickel	100.	95.4	95	80.7	7.17	79.0	78.1	89	89	1	75-124	46-140	20	
Potassium	1000	942.	94	807.	386.	1280	1300	111	115	1	72-121	37-213	20	
Selenium	100.	86.7	87	80.7		68.7	68.1	84	85	1	67-120	52-125	20	
Silver	50.0	45.8	92	40.3		36.3	35.7	90	90	2	64-126	22-151	20	
Sodium	1000	928.	93	807.	22.9	820.	810.	99	99	1	67-125	46-154	20	
Thallium	100.	93.3	93	80.7		68.6	66.8	85	84	3	76-121	41-133	20	
Vanadium	100.	96.1	96	80.7	5.16	85.6	84.5	100	100	1	76-123	54-144	20	
Zinc	100.	92.5	93	80.7	20.3	90.7	90.6	87	89	0	75-120	23-166	20	

22 compound(s) reported

QC Protocol 2/2/2011 10:05:55

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 153538 **Project:** 20118421 **LCS:** 20851970 11-Jan-11 10:27

Method: Soil Mercury **MS:** 20851971 11-Jan-11 9:32

Units: mg/kg **MSD:** 20851972 11-Jan-11 9:34

Original for MS: Batch Sample 20851936

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Mercury	0.100	0.0990	99	0.0811	0.00980	0.110	0.0988	124	122	11	80-120	75-125	20	

1 compound(s) reported

QC Protocol 2/2/2011 10:05:55

* denotes recovery outside of QC limits.
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 1 **Project:** 20118421

Lab ID: 20851222

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 05-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
83-32-9	Acenaphthene	1	ND		327.	28.0	07-Jan-11 11:45 JAM
208-96-8	Acenaphthylene	1	ND		327.	26.2	07-Jan-11 11:45 JAM
120-12-7	Anthracene	1	ND		327.	26.5	07-Jan-11 11:45 JAM
56-55-3	Benzo(a)anthracene	1	ND		327.	27.7	07-Jan-11 11:45 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		327.	31.8	07-Jan-11 11:45 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		327.	38.3	07-Jan-11 11:45 JAM
50-32-8	Benzo(a)pyrene	1	ND		327.	31.9	07-Jan-11 11:45 JAM
85-68-7	Butylbenzylphthalate	1	ND		327.	34.3	07-Jan-11 11:45 JAM
106-47-8	3&4-Chloroaniline	1	ND		327.	164.	07-Jan-11 11:45 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		327.	31.1	07-Jan-11 11:45 JAM
91-58-7	2-Chloronaphthalene	1	ND		327.	26.7	07-Jan-11 11:45 JAM
95-57-8	2-Chlorophenol	1	ND		327.	31.8	07-Jan-11 11:45 JAM
218-01-9	Chrysene	1	ND		327.	27.3	07-Jan-11 11:45 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		327.	124.	07-Jan-11 11:45 JAM
132-64-9	Dibenzofuran	1	ND		327.	25.6	07-Jan-11 11:45 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		327.	27.8	07-Jan-11 11:45 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		327.	27.2	07-Jan-11 11:45 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		327.	25.2	07-Jan-11 11:45 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		661.	37.9	07-Jan-11 11:45 JAM
120-83-2	2,4-Dichlorophenol	1	ND		327.	31.1	07-Jan-11 11:45 JAM
84-66-2	Diethylphthalate	1	ND		327.	33.1	07-Jan-11 11:45 JAM
105-67-9	2,4-Dimethylphenol	1	ND		327.	34.5	07-Jan-11 11:45 JAM
131-11-3	Dimethylphthalate	1	ND		327.	31.3	07-Jan-11 11:45 JAM
51-28-5	2,4-Dinitrophenol	1	ND		327.	57.7	07-Jan-11 11:45 JAM
121-14-2	2,4-Dinitrotoluene	1	ND		327.	29.1	07-Jan-11 11:45 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		327.	29.2	07-Jan-11 11:45 JAM
117-84-0	Di-n-octylphthalate	1	ND		327.	41.0	07-Jan-11 11:45 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		327.	34.9	07-Jan-11 11:45 JAM
206-44-0	Fluoranthene	1	ND		327.	30.6	07-Jan-11 11:45 JAM
86-73-7	Fluorene	1	ND		327.	29.7	07-Jan-11 11:45 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND		327.	42.8	07-Jan-11 11:45 JAM
118-74-1	Hexachlorobenzene	1	ND		327.	27.9	07-Jan-11 11:45 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		327.	23.0	07-Jan-11 11:45 JAM
67-72-1	Hexachloroethane	1	ND		327.	37.8	07-Jan-11 11:45 JAM

Protocol Blank 2/2/2011 10:05:57

#Name?
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 1 **Project:** 20118421

Lab ID: 20851222

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 05-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		327.	41.8	07-Jan-11 11:45 JAM
78-59-1	Isophorone	1	ND		327.	36.3	07-Jan-11 11:45 JAM
91-57-6	2-Methylnaphthalene	1	ND		327.	28.2	07-Jan-11 11:45 JAM
91-20-3	Naphthalene	1	ND		327.	30.5	07-Jan-11 11:45 JAM
88-74-4	2-Nitroaniline	1	ND		327.	33.3	07-Jan-11 11:45 JAM
99-09-2	3-Nitroaniline	1	ND		327.	36.8	07-Jan-11 11:45 JAM
100-01-6	4-Nitroaniline	1	ND		327.	46.5	07-Jan-11 11:45 JAM
98-95-3	Nitrobenzene	1	ND		327.	31.6	07-Jan-11 11:45 JAM
100-02-7	4-Nitrophenol	1	ND		327.	32.8	07-Jan-11 11:45 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		327.	33.8	07-Jan-11 11:45 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		327.	34.7	07-Jan-11 11:45 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		327.	33.7	07-Jan-11 11:45 JAM
87-86-5	Pentachlorophenol	1	ND		327.	39.3	07-Jan-11 11:45 JAM
85-01-8	Phenanthrene	1	ND		327.	26.6	07-Jan-11 11:45 JAM
108-95-2	Phenol	1	ND		327.	44.5	07-Jan-11 11:45 JAM
129-00-0	Pyrene	1	ND		327.	26.5	07-Jan-11 11:45 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		327.	30.2	07-Jan-11 11:45 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		327.	26.7	07-Jan-11 11:45 JAM

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 2 **Project:** 20118421

Lab ID: 20851480

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
83-32-9	Acenaphthene	1	ND		330.	28.2	07-Jan-11 10:14 JAM
208-96-8	Acenaphthylene	1	ND		330.	26.5	07-Jan-11 10:14 JAM
120-12-7	Anthracene	1	ND		330.	26.7	07-Jan-11 10:14 JAM
56-55-3	Benzo(a)anthracene	1	ND		330.	27.9	07-Jan-11 10:14 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		330.	32.1	07-Jan-11 10:14 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		330.	38.6	07-Jan-11 10:14 JAM
65-85-0	Benzoic acid	1	ND		833.	99.4	07-Jan-11 10:14 JAM
191-24-2	Benzo(g,h,i)perylene	1	ND		330.	28.6	07-Jan-11 10:14 JAM
50-32-8	Benzo(a)pyrene	1	ND		330.	32.2	07-Jan-11 10:14 JAM
100-51-6	Benzyl alcohol	1	ND		330.	38.6	07-Jan-11 10:14 JAM
101-55-3	4-Bromophenylphenyl ether	1	ND		330.	27.8	07-Jan-11 10:14 JAM
85-68-7	Butylbenzylphthalate	1	ND		330.	34.6	07-Jan-11 10:14 JAM
86-74-8	Carbazole	1	ND		330.	31.4	07-Jan-11 10:14 JAM
59-50-7	4-Chloro-3-methylphenol	1	ND		330.	31.6	07-Jan-11 10:14 JAM
106-47-8	3&4-Chloroaniline	1	ND		330.	166.	07-Jan-11 10:14 JAM
111-91-1	bis(2-Chloroethoxy)methane	1	ND		330.	33.7	07-Jan-11 10:14 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		330.	31.4	07-Jan-11 10:14 JAM
91-58-7	2-Chloronaphthalene	1	ND		330.	26.9	07-Jan-11 10:14 JAM
95-57-8	2-Chlorophenol	1	ND		330.	32.1	07-Jan-11 10:14 JAM
7005-72-3	4-Chlorophenylphenyl ether	1	ND		330.	31.6	07-Jan-11 10:14 JAM
218-01-9	Chrysene	1	ND		330.	27.6	07-Jan-11 10:14 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		330.	125.	07-Jan-11 10:14 JAM
132-64-9	Dibenzofuran	1	ND		330.	25.9	07-Jan-11 10:14 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		330.	28.0	07-Jan-11 10:14 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		330.	27.4	07-Jan-11 10:14 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		330.	25.4	07-Jan-11 10:14 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		667.	38.3	07-Jan-11 10:14 JAM
120-83-2	2,4-Dichlorophenol	1	ND		330.	31.3	07-Jan-11 10:14 JAM
84-66-2	Diethylphthalate	1	ND		330.	33.4	07-Jan-11 10:14 JAM
105-67-9	2,4-Dimethylphenol	1	ND		330.	34.8	07-Jan-11 10:14 JAM
131-11-3	Dimethylphthalate	1	ND		330.	31.6	07-Jan-11 10:14 JAM
84-74-2	Di-n-butylphthalate	1	ND		330.	32.2	07-Jan-11 10:14 JAM
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		330.	35.6	07-Jan-11 10:14 JAM
51-28-5	2,4-Dinitrophenol	1	ND		330.	58.2	07-Jan-11 10:14 JAM

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#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153326 BLANK 2 **Project:** 20118421

Lab ID: 20851480

Prep Level: Soil **Batch:** 153326

Method: Soil GC/MS Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
121-14-2	2,4-Dinitrotoluene	1	ND		330.	29.4	07-Jan-11 10:14 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		330.	29.5	07-Jan-11 10:14 JAM
117-84-0	Di-n-octylphthalate	1	ND		330.	41.4	07-Jan-11 10:14 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		330.	35.2	07-Jan-11 10:14 JAM
206-44-0	Fluoranthene	1	ND		330.	30.8	07-Jan-11 10:14 JAM
86-73-7	Fluorene	1	ND		330.	30.0	07-Jan-11 10:14 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND		330.	43.2	07-Jan-11 10:14 JAM
118-74-1	Hexachlorobenzene	1	ND		330.	28.2	07-Jan-11 10:14 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		330.	23.2	07-Jan-11 10:14 JAM
67-72-1	Hexachloroethane	1	ND		330.	38.1	07-Jan-11 10:14 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		330.	42.2	07-Jan-11 10:14 JAM
78-59-1	Isophorone	1	ND		330.	36.6	07-Jan-11 10:14 JAM
91-57-6	2-Methylnaphthalene	1	ND		330.	28.5	07-Jan-11 10:14 JAM
95-48-7	2-Methylphenol (o-Cresol)	1	ND		330.	29.3	07-Jan-11 10:14 JAM
	3&4-Methylphenol	1	ND		330.	29.6	07-Jan-11 10:14 JAM
91-20-3	Naphthalene	1	ND		330.	30.8	07-Jan-11 10:14 JAM
88-74-4	2-Nitroaniline	1	ND		330.	33.6	07-Jan-11 10:14 JAM
99-09-2	3-Nitroaniline	1	ND		330.	37.1	07-Jan-11 10:14 JAM
100-01-6	4-Nitroaniline	1	ND		330.	46.9	07-Jan-11 10:14 JAM
98-95-3	Nitrobenzene	1	ND		330.	31.9	07-Jan-11 10:14 JAM
88-75-5	2-Nitrophenol	1	ND		330.	31.9	07-Jan-11 10:14 JAM
100-02-7	4-Nitrophenol	1	ND		330.	33.1	07-Jan-11 10:14 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		330.	34.1	07-Jan-11 10:14 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		330.	35.0	07-Jan-11 10:14 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		330.	34.0	07-Jan-11 10:14 JAM
87-86-5	Pentachlorophenol	1	ND		330.	39.7	07-Jan-11 10:14 JAM
85-01-8	Phenanthrene	1	ND		330.	26.8	07-Jan-11 10:14 JAM
108-95-2	Phenol	1	ND		330.	44.9	07-Jan-11 10:14 JAM
129-00-0	Pyrene	1	ND		330.	26.8	07-Jan-11 10:14 JAM
120-82-1	1,2,4-Trichlorobenzene	1	ND		330.	28.0	07-Jan-11 10:14 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		330.	30.4	07-Jan-11 10:14 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		330.	26.9	07-Jan-11 10:14 JAM

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#Name?
MDL denotes method detection limit

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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153396 BLANK 1 **Project:** 20118421

Lab ID: 20851476

Prep Level: Soil **Batch:** 153396

Method: Soil GC/MS Volatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
67-64-1	Acetone	1	ND		10.0	1.95	06-Jan-11 18:21 MLS
71-43-2	Benzene	1	ND		5.00	0.350	06-Jan-11 18:21 MLS
75-27-4	Bromodichloromethane	1	ND		5.00	0.353	06-Jan-11 18:21 MLS
75-25-2	Bromoform	1	ND		5.00	0.367	06-Jan-11 18:21 MLS
74-83-9	Bromomethane	1	ND		5.00	1.12	06-Jan-11 18:21 MLS
78-93-3	2-Butanone (MEK)	1	ND		10.0	0.976	06-Jan-11 18:21 MLS
75-15-0	Carbon disulfide	1	ND		5.00	0.410	06-Jan-11 18:21 MLS
56-23-5	Carbon tetrachloride	1	ND		5.00	0.452	06-Jan-11 18:21 MLS
108-90-7	Chlorobenzene	1	ND		5.00	0.227	06-Jan-11 18:21 MLS
75-00-3	Chloroethane	1	ND		5.00	1.03	06-Jan-11 18:21 MLS
67-66-3	Chloroform	1	ND		5.00	0.334	06-Jan-11 18:21 MLS
74-87-3	Chloromethane	1	ND		5.00	0.316	06-Jan-11 18:21 MLS
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	1.55	06-Jan-11 18:21 MLS
124-48-1	Dibromochloromethane	1	ND		5.00	0.335	06-Jan-11 18:21 MLS
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00	0.462	06-Jan-11 18:21 MLS
75-71-8	Dichlorodifluoromethane	1	ND		5.00	0.456	06-Jan-11 18:21 MLS
75-34-3	1,1-Dichloroethane	1	ND		5.00	0.336	06-Jan-11 18:21 MLS
107-06-2	1,2-Dichloroethane	1	ND		5.00	0.525	06-Jan-11 18:21 MLS
75-35-4	1,1-Dichloroethene	1	ND		5.00	0.443	06-Jan-11 18:21 MLS
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	0.338	06-Jan-11 18:21 MLS
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	0.446	06-Jan-11 18:21 MLS
78-87-5	1,2-Dichloropropane	1	ND		5.00	0.400	06-Jan-11 18:21 MLS
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	0.326	06-Jan-11 18:21 MLS
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	0.439	06-Jan-11 18:21 MLS
100-41-4	Ethylbenzene	1	ND		5.00	0.306	06-Jan-11 18:21 MLS
591-78-6	2-Hexanone	1	ND		10.0	0.557	06-Jan-11 18:21 MLS
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00	0.413	06-Jan-11 18:21 MLS
79-20-9	Methyl acetate	1	ND		10.0	0.979	06-Jan-11 18:21 MLS
75-09-2	Methylene chloride	1	ND		5.00	0.379	06-Jan-11 18:21 MLS
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	0.571	06-Jan-11 18:21 MLS
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	0.303	06-Jan-11 18:21 MLS
100-42-5	Styrene	1	ND		5.00	0.354	06-Jan-11 18:21 MLS
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	0.187	06-Jan-11 18:21 MLS
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	0.615	06-Jan-11 18:21 MLS

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153396 BLANK 1 **Project:** 20118421

Lab ID: 20851476

Prep Level: Soil **Batch:** 153396

Method: Soil GC/MS Volatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
127-18-4	Tetrachloroethene	1	ND		5.00	0.251	06-Jan-11 18:21 MLS
108-88-3	Toluene	1	ND		5.00	0.434	06-Jan-11 18:21 MLS
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	0.458	06-Jan-11 18:21 MLS
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	0.312	06-Jan-11 18:21 MLS
79-01-6	Trichloroethene	1	ND		5.00	0.400	06-Jan-11 18:21 MLS
75-69-4	Trichlorofluoromethane	1	ND		5.00	0.873	06-Jan-11 18:21 MLS
75-01-4	Vinyl chloride	1	ND		5.00	0.331	06-Jan-11 18:21 MLS
	m&p-Xylene	1	ND		5.00	0.639	06-Jan-11 18:21 MLS
95-47-6	o-Xylene	1	ND		5.00	0.241	06-Jan-11 18:21 MLS

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153393 BLANK 1 **Project:** 20118421

Lab ID: 20851467

Prep Level: Soil **Batch:** 153393

Method: Soil GC Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
309-00-2	Aldrin	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
319-84-6	alpha-BHC	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
319-85-7	beta-BHC	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
319-86-8	delta-BHC	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
58-89-9	gamma-BHC (Lindane)	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
5103-71-9	alpha-Chlordane	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
5103-74-2	gamma-Chlordane	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
72-54-8	4,4'-DDD	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
72-55-9	4,4'-DDE	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
50-29-3	4,4'-DDT	1	ND		3.33	2.00	06-Jan-11 14:13 TWB
60-57-1	Dieldrin	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
959-98-8	Endosulfan I	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
33213-65-9	Endosulfan II	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
1031-07-8	Endosulfan sulfate	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
72-20-8	Endrin	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
7421-93-4	Endrin aldehyde	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
53494-70-5	Endrin ketone	1	ND		3.33	1.67	06-Jan-11 14:13 TWB
76-44-8	Heptachlor	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
1024-57-3	Heptachlor epoxide	1	ND		1.70	0.850	06-Jan-11 14:13 TWB
72-43-5	Methoxychlor	1	ND		16.7	8.50	06-Jan-11 14:13 TWB
8001-35-2	Toxaphene	1	ND		66.7	33.3	06-Jan-11 14:13 TWB

Protocol Blank 2/2/2011 10:05:57

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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153394 BLANK 1 **Project:** 20118421

Lab ID: 20851471

Prep Level: Soil **Batch:** 153394

Method: Soil GC Semivolatile Organics

Prepared: 06-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
94-75-7	2,4-D	1	ND		66.7	43.7	07-Jan-11 19:19 SPP1
1918-00-9	Dicamba	1	ND		66.7	33.4	07-Jan-11 19:19 SPP1
120-36-5	Dichloroprop	1	ND		66.7	43.3	07-Jan-11 19:19 SPP1
94-74-6	MCPA	1	ND		8330	4960	07-Jan-11 19:19 SPP1
7085-19-0	MCPP	1	ND		8330	5390	07-Jan-11 19:19 SPP1
93-76-5	2,4,5-T	1	ND		66.7	33.4	07-Jan-11 19:19 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		66.7	33.4	07-Jan-11 19:19 SPP1

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153665 BLANK 1 **Project:** 20118421

Lab ID: 20852517

Prep Level: Soil **Batch:** 153665

Method: Soil GC Semivolatile Organics

Prepared: 11-Jan-11

Units: ug/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		33.3	26.0	12-Jan-11 11:25 TWB
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		33.3	16.6	12-Jan-11 11:25 TWB

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153540 BLANK 1 **Project:** 20118421

Lab ID: 20851977

Prep Level: Soil **Batch:** 153540

Method: Soil ICP Metals

Prepared: 10-Jan-11

Units: mg/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis	
7429-90-5	Aluminum	1	ND		20.0	3.92	11-Jan-11 14:45	KJR
7440-36-0	Antimony	1	ND		6.00	0.0893	11-Jan-11 14:45	KJR
7440-38-2	Arsenic	1	ND		1.00	0.0975	11-Jan-11 14:45	KJR
7440-39-3	Barium	1	ND		20.0	0.0385	11-Jan-11 14:45	KJR
7440-41-7	Beryllium	1	ND		0.500	0.0174	11-Jan-11 14:45	KJR
7440-43-9	Cadmium	1	ND		0.500	0.0143	11-Jan-11 14:45	KJR
7440-70-2	Calcium	1	ND		500.	5.93	11-Jan-11 14:45	KJR
7440-47-3	Chromium	1	ND		1.00	0.154	11-Jan-11 14:45	KJR
7440-48-4	Cobalt	1	ND		1.00	0.848	11-Jan-11 14:45	KJR
7440-50-8	Copper	1	ND		1.00	0.459	11-Jan-11 14:45	KJR
7439-89-6	Iron	1	ND		10.0	1.37	11-Jan-11 14:45	KJR
7439-92-1	Lead	1	ND		0.500	0.0988	11-Jan-11 14:45	KJR
7439-95-4	Magnesium	1	ND		500.	2.17	11-Jan-11 14:45	KJR
7439-96-5	Manganese	1	ND		1.50	0.111	11-Jan-11 14:45	KJR
7440-02-0	Nickel	1	ND		4.00	0.0656	11-Jan-11 14:45	KJR
7440-09-7	Potassium	1	ND		500.	6.66	11-Jan-11 14:45	KJR
7782-49-2	Selenium	1	ND		3.50	1.14	11-Jan-11 14:45	KJR
7440-22-4	Silver	1	ND		1.00	0.0254	11-Jan-11 14:45	KJR
7440-23-5	Sodium	1	ND		500.	2.49	11-Jan-11 14:45	KJR
7440-28-0	Thallium	1	ND		1.00	0.118	11-Jan-11 14:45	KJR
7440-62-2	Vanadium	1	ND		5.00	1.16	11-Jan-11 14:45	KJR
7440-66-6	Zinc	1	0.329	J	2.00	0.233	11-Jan-11 14:45	KJR

Protocol Blank 2/2/2011 10:05:57

#Name?
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Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 153538 BLANK 1 **Project:** 20118421

Lab ID: 20851969

Prep Level: Soil **Batch:** 153538

Method: Soil Mercury

Prepared: 10-Jan-11

Units: mg/kg

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	MDL	Analysis
7439-97-6	Mercury	1	0.00164	J	0.0200	0.00161	11-Jan-11 09:23 TLB1

Protocol Blank 2/2/2011 10:05:57

#Name?
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Definitions/Qualifiers

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20118421

Value	Description
D1	The analysis was performed at a dilution due to the high analyte concentration.
G1	Interferences are present which caused poor surrogate recovery.
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q2	The matrix spike recoveries are poor due to the presence of matrix interferences. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite I
St. Rose, LA 7008
(504) 469-033

Subcontract Data/Reports

```
ERROR: rangecheck
OFFENDING COMMAND: pdfmark

STACK:

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/Border
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/Rect
[11 0 1 ]
/Color
-mark-
[{882 0 resolveR }]
-dictionary-
```

	CONTACTOR SUBMITTAL	Date 2/2/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**07**

To:	**John LaPlante**	**References:**	Natural Stone – Gradation for Armor Cap C
		Drawing/Spec:	
Subject:	**Natural Stone –Gradation Analysis for Armor Cap C**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Western Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the gradation results for the Natural Stone Armor Cap C from Gulf Coast Lime Stone.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	2/2/11		

Reply:

☐ Conforms to design concept
☒ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Addressee: Sign and return original to:

Glenn Smalley

Approved By:

Name:

Title:

Date:

Comments:

Note that this material classifies as GP. It is approved for use with a geotextile underlayment.

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [signature] Date: 02-03-2011

Anchor QEA, LLC

Gulf Coast Limestone, Inc.

P. O. Box 66
Seabrook, TX 77586
(281) 474-4124

GRADATION TEST RESULTS FOR ARMOR CAP C

Date; December 27, 2010

Re; Job # 3741-RC-HOO

Total weight of test stockpile; 4588 lbs.

This sample was taken from a stockpile produced at the Gulf Coast Limestone facility, located inside the Capitol Aggregates, Marble Falls Quarry, in Marble Falls, TX. This material was produced for use on the San Jacinto River Waste Pits Superfund Site project.

Required Percent Passing	Stone Size (inches)	Stone Size (lbs.)*	Results
100%	12	130.18	100%
50 % maximum	6	16.27	20%
4% maximum	#200 sieve	N/A	<1%

*based on a specific gravity of 2.74 and a theoretical stone shaped midway between a sphere and a cube

Stone Size (lbs)		Accumulated Weight
208	(bulk Fines) *	208
2		210
2		212
2		214
2		216
2		218
3		221
3		224

3	227
3	230
3	233
3	236
3	239
3	242
3	245
3	248
3	251
3	254
3	257
3	260
3	263
3	266
4	270
4	274
4	278
4	282
4	286
4	290
4	294
4	298
4	302
4	306
4	310
4	314
5	319
5	324
5	329
5	334
5	339
5	344
5	349
5	354
5	359
5	364
5	369
6	375
6	381
6	387
6	393
6	399
6	405

6	411
6	417
6	423
6	429
6	435
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6	447
6	453
6	459
7	466
7	473
7	480
7	487
7	494
7	501
7	508
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8	705
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10	981
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10	1041
10	1051
11	1062
11	1073
11	1084
11	1095
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11	1117
11	1128

11	1139
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15		1767	
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16		1799	
16		1815	
16		1831	
16		1847	
16		1863	
16		1879	
16		1895	
16		1911	
16		1927	
16		1943	
16	6 inches	1959	42%
17		1976	
17		1993	
17		2010	
17		2027	
17		2044	
17		2061	
17		2078	
17		2095	
17		2112	
17		2129	
17		2146	
18		2164	
18		2182	
18		2200	
18		2218	
19		2237	
19		2256	
19		2275	
19		2294	50%
19		2313	
19		2332	
19		2351	
19		2370	
19		2389	

19	2408
20	2428
20	2448
20	2468
20	2488
21	2509
21	2530
21	2551
21	2572
21	2593
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26	3189
26	3215
26	3241
27	3268
28	3296
28	3324
28	3352
28	3380
28	3408

29		3437	
29		3466	
29		3495	
29		3524	
29		3553	
29		3582	
29		3611	
30		3641	
30		3671	
31		3702	
31		3733	
31		3764	
31		3795	
32		3827	
32		3859	
33		3892	
34		3926	
35		3961	
35		3996	
35		4031	
36		4067	
36		4103	
36		4139	
37		4176	
38		4214	
38		4252	
38		4290	
39		4329	
40		4369	
40		4409	
41		4450	
42		4492	
43		4535	
53	9 inches	4588	100%

* Bulk Fines Sieve Analysis

Sieve	% passing
4"	100.00
3"	96.70
2"	70.60
1"	52.20
1/2"	39.40

3/8"	38.80
#4	26.60

	CONTACTOR SUBMITTAL	Date 2/2/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**08**

To:	**John LaPlante**	**References:**	Natural Stone – Gradation for Armor Cap D
		Drawing/Spec:	
Subject:	**Natural Stone –Gradation Analysis for Armor Cap D**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Western Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the gradation results for the Natural Stone Armor Cap D from Gulf Coast Lime Stone.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	2/2/11		

Reply:

☐ Conforms to design concept
☒ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Comments:

Note that this material classifies as GP. It is approved for use with a geotextile underlayment.

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Glenn Smalley	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [signature] Date: 02-03-2011

Anchor QEA, LLC

Gulf Coast Limestone, Inc.

P. O. Box 66
Seabrook, TX 77586
(281) 474-4124

GRADATION TEST RESULTS FOR ARMOR CAP D

Date; December 27, 2010

Re; Job # 3741-RC-HOO

Total weight of test stockpile; 7230 lbs.

This sample was taken from a stockpile produced at the Gulf Coast Limestone facility, located inside the Capitol Aggregates, Marble Falls Quarry, in Marble Falls, TX. This material was produced for use on the San Jacinto River Waste Pits Superfund Site project.

Required Percent Passing	Stone Size (inches)	Stone Size (lbs.)*	Results
100%	18	439.37	100%
50 % maximum	8	38.57	20%
4% maximum	#200 sieve	N/A	0%

*Based on a specific gravity of 2.74 and a theoretical stone shaped midway between a sphere and a cube

Stone Size (lbs)	Accumulated Weight
2	2
3	5
3	8
5	13
8	21
8	29
8	37

9	46
9	55
10	65
10	75
11	86
11	97
12	109
12	121
13	134
13	147
13	160
14	174
14	188
14	202
14	216
15	231
15	246
15	261
15	276
15	291
16	307
16	323
18	341
19	360
19	379
19	398
20	418
20	438
21	459
21	480
21	501
21	522
22	544
23	567
23	590
23	613
23	636
23	659
24	683
24	707
24	731
25	756
25	781

25		806	
25		831	
26		857	
26		883	
28		911	
28		939	
29		968	
29		997	
29		1026	
30		1056	
31		1087	
31		1118	
31		1149	
33		1182	
33		1215	
34		1249	
34		1283	
34		1317	
34		1351	
35		1386	
35		1421	
37		1458	
37	8 inches	1495	20%
39		1534	
39		1573	
39		1612	
39		1651	
39		1690	
42		1732	
43		1775	
43		1818	
44		1862	
45		1907	
45		1952	
46		1998	
46		2044	
46		2090	
46		2136	
47		2183	
48		2231	
48		2279	
49		2328	
49		2377	

49		2426	
50		2476	
51		2527	
52		2579	
52		2631	
53		2684	
54		2738	
54		2792	
54		2846	
55		2901	
55		2956	
58		3014	
59		3073	
61		3134	
61		3195	
61		3256	
62		3318	
64		3382	
64		3446	
66		3512	
67	10 inches	3579	50%
67		3646	
67		3713	
67		3780	
68		3848	
70		3918	
71		3989	
72		4061	
72		4133	
73		4206	
74		4280	
75		4355	
75		4430	
76		4506	
77		4583	
79		4662	
83		4745	
86		4831	
88		4919	
88		5007	
90		5097	
96		5193	
97		5290	

103		5393	
105		5498	
106		5604	
107		5711	
110		5821	
113		5934	
114		6048	
115		6163	
116		6279	
117		6396	
122		6518	
124		6642	
154		6796	
188		6984	
246	15 inches	7230	100%

	CONTACTOR SUBMITTAL	Date 2/9/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**12**

To:	**John LaPlante**	**References:**	RAWP
		Drawing/Spec:	
Subject:	**Armor Cap material B/C Gradation**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**TCRA**	**Cost:**	☐	**Schedule:**	☒

Attached is the gradation analysis for the B/C material supplied by HPP.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	2/9/11		

Reply:

☐ Conforms to design concept
☒ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Comments:

Approved for use when placed above a filtering geotextile

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Glenn Smalley	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [illegible] Date: 2-11-11
Anchor QEA, LLC

PACS ***Construction Laboratories and Testing Services***

4560 West 34th Street, Suite J, Houston Texas 77092 Telephone: (713) 681-6606, Facsimile: (713) 681-6608

REPORT OF LABORATORY TESTING SERVICES

CLIENT: HPP Corporation
Attn: Mr. Dennis Brown
2070 Genoa Red Bluff
Houston, Texas 77034

CLIENT NUMBER: HPP08
REPORT NUMBER: HPP029A
REPORT DATE: Feb. 02, 2011
SERVICE DATE: Feb. 02, 2011

SERVICE: On January 31, 2011, PACS Construction Laboratories obtained a sample of Rip Rap Material from the stockpile at the HPP Genoa Red Bluff Yard. It was requested that PACS perform a gradation analyses. Testing was performed in general accordance with ASTM C136 and below we have posted the results.

TEST RESULTS

Sieve Size	Sample Results, % Passing	Specifications % Passing
12”	100.0	100
6”	31.3	< 50
No. 200	0.0	< 4

The results indicate the sample tested meets project specifications as outlined above.

PACS Construction Laboratories and Testing Services, Inc.

John Ynigues, Project Manager

Test results apply to the sample or samples tested which may or may not be indicative of the completed product. This report is for the exclusive use of the client who has received permission from PACS Construction Laboratories to reprint and/or distribute as necessary.

	CONTACTOR SUBMITTAL	Date 2/15/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**14**

To:	**John LaPlante**	**References:**	RAWP
		Drawing/Spec:	
Subject:	**Chemical Analysis – Processed Concrete**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**TCRA**	**Cost:**	☐	**Schedule:**	☒

Attached are the results of the 1st sample of the processed concrete.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	2/15/11		

Reply:

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Glenn Smalley	**Title:**	
	Date:	

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Comments:

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [signature] Date: 03-01-11
Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone (mg/kg)	Qualifier	San Jacinto Processed Concrete (mg/kg)	Qualifier
Metals										
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	**2260**		**3700**	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	5.97	U	0.14	J
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	**1.06**		**3.1**	
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.498	U	0.44	U
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	**3.84**		**14**	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	**8.36**		**13**	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	**2.55**		**10**	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.0133	J	0.017	
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	**3.94**	J	**11**	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.996	U	0.078	J
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	**6.74**		**24**	
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.358	U	0.1	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.358	U	0.17	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	0.358	U	0.14	U
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.358	U	0.066	U
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.358	U	0.25	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	0.358	U	0.0089	U
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.358	U	0.27	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.358	U	0.17	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.358	U	0.015	U
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.358	U	0.0084	U
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.358	U	**0.027**	
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.358	U	**0.11**	
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.358	U	**0.09**	
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.358	U	**0.17**	
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.358	U	**0.059**	
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.358	U	**0.16**	
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.905	U	0.15	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.358	U	0.17	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.358	U	0.22	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.358	U	0.17	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.358	U	**0.12**	
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.358	U	0.019	U
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.147	J	0.17	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.358	U	0.2	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.358	U	0.16	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.358	U	0.16	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.358	U	**0.22**	
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.358	U	0.013	U
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.358	U	0.17	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.358	U	0.12	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.358	U	0.13	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.358	U	**0.04**	
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.358	U	0.016	U
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.358	U	0.17	U
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.358	U	0.17	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.358	U	**0.09**	
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.358	U	0.13	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.358	U	**0.19**	
Volatile Organic Compounds (VOCs)										
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.00548	U	0.0057	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.00548	U	0.0057	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.00548	U	0.0057	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.00548	U	0.0057	U
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.00548	U	0.0057	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.00548	U	0.0057	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.00548	U	0.0057	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.00548	U	0.0057	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.00548	U	0.0057	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.00548	U	0.0057	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.00548	U	0.011	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.00548	U	0.0057	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.00548	U	0.0057	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.00548	U	0.0057	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.00548	U	0.0057	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.00548	U	0.0057	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone (mg/kg)	Qualifier	San Jacinto Processed Concrete (mg/kg)	Qualifier
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.00548	U	0.0057	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.011	U	0.029	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.00548	U	0.0057	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.011	U	0.029	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.00548	U	0.0057	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.00548	U	0.0057	U
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.011	U	0.029	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.00841	J	0.0061	J
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.00548	U	0.0057	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.00548	U	0.0057	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.00548	U	0.0057	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.00548	U	0.0057	U
Bromoethane	8260B	0.0100	NL	NL	NL		--		0.0057	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.00548	U	0.0057	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.00548	U	0.011	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.00548	U	0.0057	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.00548	U	0.0057	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.00548	U	0.0057	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.00548	U	0.011	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.00548	U	0.0057	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.00548	U	0.011	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.00548	U	0.0057	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.00548	U	0.0057	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.00548	U	0.0057	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.00548	U	0.0057	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.00548	U	0.0057	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.00548	U	0.0057	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.00548	U	0.0057	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.00548	U	0.0057	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.00548	U	0.011	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.00548	U	0.057	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.00548	U	0.0057	U
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.00548	U	0.0057	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.00548	U	0.0057	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.00548	U	0.0057	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.00548	U	0.0057	U
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.00548	U	0.0057	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.00548	U	0.0057	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.00548	U	0.0057	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.00548	U	0.0057	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.000953	J	0.0057	U
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.00548	U	0.0057	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.00548	U	0.0057	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.00548	U	0.0057	U
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.00548	U	0.0057	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.00548	U	0.011	U
Organochlorine Pesticides										
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.00358	U [7]	0.0039	U [7]
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.00358	U [7]	0.0039	U [7]
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.00358	U [7]	0.0039	U [7]
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.00183	U	0.002	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.00358	U	0.0039	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.00183	U	0.002	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.00183	U	0.002	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.00183	U	0.002	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.00183	U	0.002	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.00183	U	0.002	U
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.00183	U	0.002	U
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.00183	U	0.002	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.00358	U	0.0039	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.00358	U	0.0039	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.00358	U	0.0039	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.00358	U	0.0039	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.00358	U	0.0039	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.00183	U	0.002	U
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.00183	U	0.002	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.0179	U	0.02	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone (mg/kg)	Qualifier	San Jacinto Processed Concrete (mg/kg)	Qualifier
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.02	U	0.02	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.002	U	0.002	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.002	U	0.002	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.0716	U	0.2	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.002	U	0.002	U
Chlorinated Herbicides										
2,4,5-T	8151	0.020	NL	NL	--		0.0723	U	0.0097	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0723	U	0.0097	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	--		0.0097	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	0.0023	U	2.3	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.0723	U	0.023	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.0723	U	0.12	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.144	U	0.12	U
MCPA	8151	1	1.2E-02	77	NL	0.01	9.03	U	2.3	U
MCPP	8151	1	2.3E-02	150	NL	0.02	9.03	U	2.3	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0723	U	0.0097	U
Polychlorinated Biphenyls (PCBs)										
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.0359	U	0.078	U
Dioxin/Furans, ng/kg										
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]		ng/kg [2]	
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	0.17	U	0.12	U
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.15	U	0.25	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.25	U	0.2	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.17	U	0.58	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.20	U	0.44	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	**0.45**		**20**	
OCDD	1613B	10	(3)	(3)	NL	(3)	1.4	J	**260**	
Furans										
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	0.43	J	0.23	U
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.11	U	0.12	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	**0.16**		0.13	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.13	J	0.22	U
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.13	J	0.18	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.26	J	0.12	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.17	J	0.11	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.21	J	1.8	U
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.24	J	0.27	U
OCDF	1613B	10	(3)	(3)	NL	(3)	0.68	J	4.2	U
TEQ (U=1/2)							0.36		0.60	

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 700-55376-1

SDG Number: 700-55376-1

Job Description: San Jac Waste Pits

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
2/15/2011 3:16 PM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
02/15/2011

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

Job Narrative
700-55376-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260C: The accompanying batch calibration chack standard exceeded method criteria for some target analytes. Method 8260C criteria states that up to 20% of spiked analytes may exceed drift criteria in the calibration check standard. For batch 96102, 16% of analytes exceeded criteria. A reporting limit standard (MRL) was analyzed with the batch, and all affected analyes were detected. No affected analytes were detected in the related samples.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: HPP Grab (700-55376-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D LL: The following sample was diluted due to the nature of the sample matrix: HPP Grab (700-55376-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8151A: The laboratory control sample (LCS) for batch 96157 exceeded control limits for the following analytes: Dichlorprop, 2,4,5-TP, 2,4,5-T, 2,4-DB, Dinoseb, and (2,4-Dichlorophenyl Acetic Acid (surrogate). These analytes were within control limits in the associated labratory control sample duplicate (LCSD). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96157 were outside the upper control limits for analyte Dichlorprop. The associated laboratory control sample duplicate (LCSD) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6020: The Method Blank (MB) associated with this sample was detect for Zinc (Zn). The sample was also detect for Zinc, but not less than 10X the MB. The Laboratory Control Sample and Duplicate (LCS/D) were also high for Zinc. These samples and Quality Control items were all passed through a paper filter before analyzing. The Zn in the MB and LCS/D are artifacts from the filter paper. The data is being reported as is.

Method(s) 6020: The matrix spike or matrix spike duplicate (MS/MSD) recoveries for batch 700-96056 were outside control limits for some elements. The associated laboratory control samples (LCS/LCSD) recovery met acceptance criteria.

Method(s) 6020: The method blank for preparation batch 700-96221 contained Silver (Ag) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL MOB	SW846 8260C	
Purge and Trap	TAL MOB		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL MOB	SW846 8270D	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Semivolatile Organic Compounds by GC/MS - Low Level	TAL MOB	SW846 8270D LL	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Herbicides (GC)	TAL MOB	SW846 8151A	
Extraction (Herbicides)	TAL MOB		SW846 8151A
Metals (ICP/MS)	TAL MOB	SW846 6020	
Preparation, Metals	TAL MOB		SW846 3050B
Mercury (CVAA)	TAL MOB	SW846 7471A	
Preparation, Mercury	TAL MOB		SW846 7471A
Percent Moisture	TAL MOB	EPA Moisture	
EPA 1613B Dioxin	TAL WSC	EPA 1613B	

Lab References:

TAL MOB = TestAmerica Mobile

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method	Analyst	Analyst ID
SW846 8260C	Var, Kerry	KBV
SW846 8270D	Schellinger, Eron	ES
SW846 8270D LL	Keller, John R	JRK
SW846 8081B/8082A	Pham, Van T	VP
SW846 8081B/8082A	Tran, Luther	LT
SW846 8151A	Baker, Nick J	NJB
SW846 6020	Thompson, Cheri D	CDT
SW846 7471A	Phothisat, Phukham N	PNP
EPA Moisture	Nguyen, Tiffany K	TKN

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-55376-1	HPP Grab	Solid	01/21/2011 1030	01/28/2011 0830

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8260C Volatile Organic Compounds by GC/MS

Method: 8260C
Preparation: 5030C
Dilution: 1.0
Date Analyzed: 02/01/2011 1403
Date Prepared: 02/01/2011 1403

Analysis Batch: 700-96102

Instrument ID: VMG
Lab File ID: G020108.D
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		5.7	U	1.4	5.7
1,1,1-Trichloroethane		5.7	U	1.7	5.7
1,1,2,2-Tetrachloroethane		5.7	U	1.9	5.7
1,1,2-Trichloroethane		5.7	U	1.4	5.7
1,1-Dichloroethane		5.7	U	1.1	5.7
1,1-Dichloroethene		5.7	U	1.5	5.7
1,1-Dichloropropene		5.7	U	1.6	5.7
1,2,3-Trichlorobenzene		5.7	U	2.3	5.7
1,2,3-Trichloropropane		5.7	U	3.0	5.7
1,2,4-Trimethylbenzene		5.7	U	0.75	5.7
1,2-Dibromo-3-Chloropropane		11	U	3.4	11
1,2-Dichloroethane		5.7	U	2.3	5.7
1,2-Dichloropropane		5.7	U	1.4	5.7
1,3,5-Trimethylbenzene		5.7	U	0.69	5.7
1,3-Dichloropropane		5.7	U	1.5	5.7
1,4-Dichlorobenzene		5.7	U	0.94	5.7
2,2-Dichloropropane		5.7	U	1.6	5.7
2-Butanone (MEK)		29	U	13	29
2-Chlorotoluene		5.7	U	1.3	5.7
2-Hexanone		29	U	13	29
4-Chlorotoluene		5.7	U	0.85	5.7
4-Isopropyltoluene		5.7	U	1.1	5.7
4-Methyl-2-pentanone (MIBK)		29	U	13	29
Acetone		6.1	J	5.8	57
Benzene		5.7	U	1.3	5.7
Bromobenzene		5.7	U	2.1	5.7
Bromoform		5.7	U	1.3	5.7
Bromomethane		11	U	4.1	11
Carbon disulfide		5.7	U	0.89	5.7
Carbon tetrachloride		5.7	U	1.6	5.7
Chlorobenzene		5.7	U	1.3	5.7
Bromochloromethane		5.7	U	1.4	5.7
Dibromochloromethane		5.7	U	1.4	5.7
Chloroethane		11	U	1.7	11
Chloroform		5.7	U	0.94	5.7
Chloromethane		11	U	2.6	11
cis-1,2-Dichloroethene		5.7	U	1.1	5.7
cis-1,3-Dichloropropene		5.7	U	1.1	5.7
Dibromomethane		5.7	U	0.39	5.7
Bromodichloromethane		5.7	U	1.4	5.7
Dichlorodifluoromethane		5.7	U	1.4	5.7
Ethylbenzene		5.7	U	2.1	5.7
Ethylene Dibromide		5.7	U	1.4	5.7
Isopropylbenzene		5.7	U	0.89	5.7
Methyl tert-butyl ether		57	U	3.7	57
Methylene Chloride		5.7	U	1.8	5.7

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8260C Volatile Organic Compounds by GC/MS

Method: 8260C
Preparation: 5030C
Dilution: 1.0
Date Analyzed: 02/01/2011 1403
Date Prepared: 02/01/2011 1403

Analysis Batch: 700-96102

Instrument ID: VMG
Lab File ID: G020108.D
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		11	U	0.85	11
Naphthalene		5.7	U	4.0	5.7
n-Butylbenzene		5.7	U	1.5	5.7
N-Propylbenzene		5.7	U	0.64	5.7
o-Xylene		5.7	U	0.69	5.7
sec-Butylbenzene		5.7	U	0.79	5.7
Styrene		5.7	U	0.70	5.7
tert-Butylbenzene		5.7	U	0.78	5.7
Tetrachloroethene		5.7	U	1.0	5.7
Toluene		5.7	U	1.1	5.7
trans-1,2-Dichloroethene		5.7	U	1.1	5.7
trans-1,3-Dichloropropene		5.7	U	1.1	5.7
Trichloroethene		5.7	U	1.0	5.7
Trichlorofluoromethane		5.7	U	1.5	5.7
Vinyl chloride		11	U	1.8	11
Xylenes, Total		11	U	1.5	11
Bromoethane		5.7	U	3.7	5.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	88		30 - 126
Dibromofluoromethane	70		30 - 140
Toluene-d8 (Surr)	94		42 - 130

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8270D Semivolatile Organic Compounds (GC/MS)

Method:	8270D	Analysis Batch: 700-96100		Instrument ID:	SMC
Preparation:	3550C	Prep Batch: 700-95997		Lab File ID:	C020116.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	02/01/2011 1731			Final Weight/Volume:	2.0 mL
Date Prepared:	01/31/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	MDL
1,2,4-Trichlorobenzene		100	U	100	100
1,2-Dichlorobenzene		170	U	170	170
1,3-Dichlorobenzene		140	U	140	140
1,4-Dichlorobenzene		66	U	66	66
2,4-Dimethylphenol		250	U	250	250
2-Methylphenol		270	U	270	270
3 & 4 Methylphenol		170	U	170	170
Bis(2-ethylhexyl) phthalate		220	U	220	220
Butyl benzyl phthalate		170	U	170	170
Di-n-butyl phthalate		160	U	160	160
Di-n-octyl phthalate		160	U	160	160
Diethyl phthalate		170	U	170	170
Dimethyl phthalate		200	U	200	200
Hexachlorobenzene		170	U	170	170
Hexachlorobutadiene		120	U	120	120
Hexachloroethane		130	U	130	130
N-Nitrosodiphenylamine		170	U	170	170
Naphthalene		220	U	220	220
Phenol		130	U	130	130
Benzyl alcohol		170	U	170	170
Benzoic acid		150	U	150	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	33		5.0 - 130
2-Fluorobiphenyl	67		31 - 130
2-Fluorophenol (Surr)	48		10 - 128
Nitrobenzene-d5 (Surr)	55		35 - 130
Phenol-d5 (Surr)	55		29 - 130
Terphenyl-d14 (Surr)	96		37 - 149

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Method:	8270D LL	Analysis Batch: 700-96091		Instrument ID:	SMB
Preparation:	3550C	Prep Batch: 700-95997		Lab File ID:	B020119.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	02/01/2011 1758			Final Weight/Volume:	2.0 mL
Date Prepared:	01/31/2011 1135			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	MDL
2-Methylnaphthalene		8.9	U	8.9	8.9
Acenaphthene		15	U	15	15
Acenaphthylene		8.4	U	8.4	8.4
Anthracene		27		21	21
Benzo[a]anthracene		110		9.8	9.8
Benzo[a]pyrene		90		15	15
Benzo[b]fluoranthene		170		13	13
Benzo[g,h,i]perylene		59		12	12
Benzo[k]fluoranthene		160		12	12
Chrysene		120		8.9	8.9
Dibenz(a,h)anthracene		19	U	19	19
Fluoranthene		220		8.4	8.4
Fluorene		13	U	13	13
Indeno[1,2,3-cd]pyrene		40		14	14
Naphthalene		16	U *	16	16
Pentachlorophenol		170	U *	170	170
Phenanthrene		90		10	10
Pyrene		190		8.0	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol (Surr)	44		10 - 128
Nitrobenzene-d5 (Surr)	68		30 - 130
Phenol-d5 (Surr)	43		29 - 130
Terphenyl-d14 (Surr)	75		30 - 149
2-Fluorobiphenyl	46		31 - 130
2,4,6-Tribromophenol (Surr)	30		5.0 - 130

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 700-96060		Instrument ID:	SGZ
Preparation:	3550C	Prep Batch: 700-95999		Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	02/01/2011 0013			Injection Volume:	2 uL
Date Prepared:	01/31/2011 1135			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		39	U *	3.5	39
PCB-1221		78	U	2.1	78
PCB-1232		39	U	4.3	39
PCB-1242		39	U	3.3	39
PCB-1248		39	U	5.0	39
PCB-1254		39	U	3.6	39
PCB-1260		39	U *	3.0	39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		30 - 150
Tetrachloro-m-xylene	63		30 - 150

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 700-96486		Instrument ID:	SGZ
Preparation:	3550C	Prep Batch: 700-96000		Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	02/07/2011 2120			Injection Volume:	2 uL
Date Prepared:	01/31/2011 1135			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chlordane (technical)		20	U	1.8	20
beta-BHC		2.0	U	0.14	2.0
alpha-Chlordane		2.0	U	0.11	2.0
alpha-BHC		2.0	U	0.14	2.0
Aldrin		2.0	U	0.34	2.0
4,4'-DDT		3.9	U	0.63	3.9
4,4'-DDE		3.9	U	0.35	3.9
4,4'-DDD		3.9	U	0.40	3.9
2,4'-DDT		3.9	U	0.63	3.9
2,4'-DDE		3.9	U	0.35	3.9
2,4'-DDD		3.9	U	0.40	3.9
delta-BHC		2.0	U	0.29	2.0
Dieldrin		3.9	U	0.30	3.9
Endosulfan, alpha		2.0	U	0.14	2.0
Endosulfan, beta		3.9	U	0.46	3.9
Endosulfan sulfate		3.9	U	0.40	3.9
Endrin		3.9	U	0.44	3.9
Endrin aldehyde		3.9	U	0.44	3.9
Endrin ketone		3.9	U	0.35	3.9
gamma-BHC (Lindane)		2.0	U	0.13	2.0
gamma-Chlordane		2.0	U	0.12	2.0
Heptachlor		2.0	U	0.22	2.0
Heptachlor epoxide		2.0	U	0.15	2.0
Methoxychlor		20	U *	0.33	20
Mirex		20	U	20	20
Toxaphene		200	U	13	200
cis-Nonachlor		2.0	U	2.0	2.0
oxy-Chlordane		2.0	U	2.0	2.0
trans-Nonachlor		2.0	U	2.0	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	42		30 - 150
Tetrachloro-m-xylene	49		30 - 150

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 700-96157		Instrument ID:	SGY
Preparation:	8151A	Prep Batch: 700-96057		Initial Weight/Volume:	50.0 g
Dilution:	4.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	02/02/2011 1623			Injection Volume:	0.5 uL
Date Prepared:	01/31/2011 0700			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-T		9.7	U *	1.0	9.7
2,4-D		9.7	U	2.8	9.7
2,4-DB		9.7	U *	1.3	9.7
Dalapon		2300	U	2.3	2300
Dicamba		23	U	2.0	23
Dichlorprop		120	U *	0.94	120
Dinoseb		120	U *	36	120
MCPA		2300	U	87	2300
MCPP		2300	U	140	2300
Silvex (2,4,5-TP)		9.7	U *	1.8	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	85		10 - 135

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 02/02/2011 0743
Date Prepared: 02/01/2011 1142

Analysis Batch: 700-96093
Prep Batch: 700-96056

Instrument ID: ICPMS
Lab File ID: 0201074.D#.raw
Initial Weight/Volume: 0.86 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (ug/L)	Qualifier	MDL	RL
Aluminum		3700000		1400	1700
Antimony		140	J	41	170

Method: 6020
Preparation: 3050B
Dilution: 10
Date Analyzed: 02/08/2011 0411
Date Prepared: 02/05/2011 1111

Analysis Batch: 700-96329
Prep Batch: 700-96221

Instrument ID: ICPMS
Lab File ID: 0207060.D#.raw
Initial Weight/Volume: 0.67 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (ug/L)	Qualifier	MDL	RL
Arsenic		3100		96	440
Cadmium		440	U	170	440
Chromium		14000		170	440
Copper		13000		350	870
Lead		10000		65	220
Nickel		11000		140	440
Silver		78	J B	8.7	87
Zinc		24000		1700	3500

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 02/01/2011 1446
Date Prepared: 01/31/2011 1220

Analysis Batch: 700-96065
Prep Batch: 700-96003

Instrument ID: LEEMAN HYDRA
Lab File ID: 02012011-2.CSV
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 40 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017		0.014	0.015

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

General Chemistry

Client Sample ID: **HPP Grab**

Lab Sample ID: 700-55376-1
Client Matrix: Solid

Date Sampled: 01/21/2011 1030
Date Received: 01/28/2011 0830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-95937	Date Analyzed: 01/28/2011 1520						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-95937	Date Analyzed: 01/28/2011 1520						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96102

Method: 8260C
Preparation: 5030C

Lab Sample ID: MB 700-96102/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1332
Date Prepared: 02/01/2011 1332

Analysis Batch: 700-96102
Prep Batch: N/A
Units: ug/Kg

Instrument ID: VMG
Lab File ID: G020107.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	1.5	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.7	5.0
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,1-Dichloroethene	5.0	U	1.3	5.0
1,1-Dichloropropene	5.0	U	1.4	5.0
1,2,3-Trichlorobenzene	5.0	U	2.0	5.0
1,2,3-Trichloropropane	5.0	U	2.6	5.0
1,2,4-Trimethylbenzene	5.0	U	0.66	5.0
1,2-Dibromo-3-Chloropropane	10	U	3.0	10
1,2-Dichloroethane	5.0	U	2.0	5.0
1,2-Dichloropropane	5.0	U	1.2	5.0
1,3,5-Trimethylbenzene	5.0	U	0.60	5.0
1,3-Dichloropropane	5.0	U	1.3	5.0
1,4-Dichlorobenzene	5.0	U	0.82	5.0
2,2-Dichloropropane	5.0	U	1.4	5.0
2-Butanone (MEK)	25	U	11	25
2-Chlorotoluene	5.0	U	1.1	5.0
2-Hexanone	25	U	11	25
4-Chlorotoluene	5.0	U	0.74	5.0
4-Isopropyltoluene	5.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)	25	U	11	25
Acetone	50	U	5.1	50
Benzene	5.0	U	1.1	5.0
Bromobenzene	5.0	U	1.8	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	10	U	3.6	10
Carbon disulfide	5.0	U	0.78	5.0
Carbon tetrachloride	5.0	U	1.4	5.0
Chlorobenzene	5.0	U	1.1	5.0
Bromochloromethane	5.0	U	1.2	5.0
Dibromochloromethane	5.0	U	1.2	5.0
Chloroethane	10	U	1.5	10
Chloroform	5.0	U	0.82	5.0
Chloromethane	10	U	2.3	10
cis-1,2-Dichloroethene	5.0	U	0.96	5.0
cis-1,3-Dichloropropene	5.0	U	1.0	5.0
Dibromomethane	5.0	U	0.34	5.0
Bromodichloromethane	5.0	U	1.2	5.0
Dichlorodifluoromethane	5.0	U	1.2	5.0
Ethylbenzene	5.0	U	1.8	5.0
Ethylene Dibromide	5.0	U	1.2	5.0

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96102

Method: 8260C
Preparation: 5030C

Lab Sample ID: MB 700-96102/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1332
Date Prepared: 02/01/2011 1332

Analysis Batch: 700-96102
Prep Batch: N/A
Units: ug/Kg

Instrument ID: VMG
Lab File ID: G020107.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	5.0	U	0.78	5.0
Methyl tert-butyl ether	50	U	3.2	50
Methylene Chloride	5.0	U	1.6	5.0
m-Xylene & p-Xylene	10	U	0.74	10
Naphthalene	5.0	U	3.5	5.0
n-Butylbenzene	5.0	U	1.3	5.0
N-Propylbenzene	5.0	U	0.56	5.0
o-Xylene	5.0	U	0.60	5.0
sec-Butylbenzene	5.0	U	0.69	5.0
Styrene	5.0	U	0.61	5.0
tert-Butylbenzene	5.0	U	0.68	5.0
Tetrachloroethene	5.0	U	0.90	5.0
Toluene	5.0	U	1.0	5.0
trans-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,3-Dichloropropene	5.0	U	0.97	5.0
Trichloroethene	5.0	U	0.90	5.0
Trichlorofluoromethane	5.0	U	1.3	5.0
Vinyl chloride	10	U	1.6	10
Xylenes, Total	10	U	1.3	10
Bromoethane	5.0	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	30 - 126
Dibromofluoromethane	94	30 - 140
Toluene-d8 (Surr)	96	42 - 130

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Reporting Limit Check - Batch: 700-96102

Method: 8260C
Preparation: 5030C

Lab Sample ID: MRL 700-96102/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1128
Date Prepared: 02/01/2011 1128

Analysis Batch: 700-96102
Prep Batch: N/A
Units: ug/Kg

Instrument ID: VMG
Lab File ID: G020103.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	1.00	2.31	231		J
1,1,1-Trichloroethane	1.00	2.74	274		J
1,1,2,2-Tetrachloroethane	1.00	2.35	235		J
1,1,2-Trichloroethane	1.00	2.02	202		J
1,1-Dichloroethane	1.00	2.26	226		J
1,1-Dichloroethene	1.00	2.50	250		J
1,1-Dichloropropene	1.00	2.55	255		J
1,2,3-Trichlorobenzene	1.00	2.51	251		J
1,2-Dibromo-3-Chloropropane	1.00	10	216		U
1,2-Dichloroethane	1.00	2.68	268		J
1,2-Dichloropropane	1.00	1.87	187		J
1,3,5-Trimethylbenzene	1.00	1.61	161		J
1,3-Dichloropropane	1.00	2.08	208		J
1,4-Dichlorobenzene	1.00	2.44	244		J
2,2-Dichloropropane	1.00	2.45	245		J
2-Chlorotoluene	1.00	1.69	169		J
2-Hexanone	5.00	25	187		U
4-Chlorotoluene	1.00	1.64	164		J
4-Isopropyltoluene	1.00	1.71	171		J
4-Methyl-2-pentanone (MIBK)	5.00	11.7	234		J
Acetone	5.00	15.2	305		J
Benzene	1.00	2.90	290		J
Bromobenzene	1.00	2.09	209		J
Bromoform	1.00	1.98	198		J
Bromomethane	1.00	10	19		U
Carbon disulfide	1.00	2.36	236		J
Carbon tetrachloride	1.00	3.09	309		J
Chlorobenzene	1.00	2.27	227		J
Bromochloromethane	1.00	2.28	228		J
Dibromochloromethane	1.00	2.11	211		J
Chloroethane	1.00	10	140		U
Chloroform	1.00	2.25	225		J
Chloromethane	1.00	10	152		U
cis-1,2-Dichloroethene	1.00	2.26	226		J
cis-1,3-Dichloropropene	1.00	2.02	202		J
Dibromomethane	1.00	2.29	229		J
Bromodichloromethane	1.00	2.35	235		J
Dichlorodifluoromethane	1.00	1.47	147		J
Ethylbenzene	1.00	2.04	204		J
Ethylene Dibromide	1.00	2.10	210		J
Isopropylbenzene	1.00	1.72	172		J
Methyl tert-butyl ether	1.00	50	207		U
Methylene Chloride	1.00	2.94	294		J
m-Xylene & p-Xylene	2.00	3.85	193		J

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Reporting Limit Check - Batch: 700-96102

Method: 8260C
Preparation: 5030C

Lab Sample ID: MRL 700-96102/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1128
Date Prepared: 02/01/2011 1128

Analysis Batch: 700-96102
Prep Batch: N/A
Units: ug/Kg

Instrument ID: VMG
Lab File ID: G020103.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	1.00	5.0	221		U
n-Butylbenzene	1.00	1.56	156		J
o-Xylene	1.00	1.89	189		J
Styrene	1.00	1.66	166		J
tert-Butylbenzene	1.00	1.65	165		J
Tetrachloroethene	1.00	2.51	251		J
Toluene	1.00	2.85	285		J
trans-1,2-Dichloroethene	1.00	2.38	238		J
trans-1,3-Dichloropropene	1.00	2.10	210		J
Trichloroethene	1.00	2.01	201		J
Trichlorofluoromethane	1.00	1.47	147		J
Vinyl chloride	1.00	2.19	219		J

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	30 - 126
Dibromofluoromethane	91	30 - 140
Toluene-d8 (Surr)	92	42 - 130

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-96102

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID: LCS 700-96102/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1159
Date Prepared: 02/01/2011 1159

Analysis Batch: 700-96102
Prep Batch: N/A
Units: ug/Kg

Instrument ID: VMG
Lab File ID: G020104.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 700-96102/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1301
Date Prepared: 02/01/2011 1301

Analysis Batch: 700-96102
Prep Batch: N/A
Units: ug/Kg

Instrument ID: VMG
Lab File ID: G020106.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
1,1-Dichloroethene	121	129	48 - 154	6	46		
Benzene	125	128	69 - 137	3	42		
Chlorobenzene	108	122	70 - 138	13	34		
Toluene	100	133	66 - 141	29	32		
Trichloroethene	98	109	68 - 138	11	34		
Bromoethane	122	118	70 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	114	91	30 - 126
Dibromofluoromethane	94	93	30 - 140
Toluene-d8 (Surr)	78	95	42 - 130

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-96102

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID: LCS 700-96102/3
Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1159
Date Prepared: 02/01/2011 1159

LCSD Lab Sample ID: LCSD 700-96102/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1301
Date Prepared: 02/01/2011 1301

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethene	25.0	25.0	30.3	32.2
Benzene	25.0	25.0	31.1	32.1
Chlorobenzene	25.0	25.0	26.9	30.6
Toluene	25.0	25.0	25.0	33.3
Trichloroethene	25.0	25.0	24.5	27.2
Bromoethane	24.9	24.9	30.4	29.3

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-95997

Method: 8270D
Preparation: 3550C

Lab Sample ID: MB 700-95997/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1328
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96100
Prep Batch: 700-95997
Units: ug/Kg

Instrument ID: SMC
Lab File ID: C020108.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	MDL
1,2,4-Trichlorobenzene	66	U	22	66
1,2-Dichlorobenzene	66	U	36	66
1,3-Dichlorobenzene	66	U	30	66
1,4-Dichlorobenzene	66	U	14	66
2,4-Dimethylphenol	66	U	54	66
2-Methylphenol	66	U	58	66
3 & 4 Methylphenol	66	U	36	66
Bis(2-ethylhexyl) phthalate	66	U	48	66
Butyl benzyl phthalate	66	U	36	66
Di-n-butyl phthalate	66	U	34	66
Di-n-octyl phthalate	66	U	34	66
Diethyl phthalate	66	U	36	66
Dimethyl phthalate	66	U	42	66
Hexachlorobenzene	66	U	36	66
Hexachlorobutadiene	66	U	26	66
Hexachloroethane	66	U	28	66
N-Nitrosodiphenylamine	66	U	36	66
Naphthalene	66	U	48	66
Phenol	66	U	28	66
Benzyl alcohol	66	U	36	66
Benzoic acid	340	U	32	340

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	78	5.0 - 130
2-Fluorobiphenyl	63	31 - 130
2-Fluorophenol (Surr)	63	10 - 128
Nitrobenzene-d5 (Surr)	63	35 - 130
Phenol-d5 (Surr)	60	29 - 130
Terphenyl-d14 (Surr)	86	37 - 149

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-95997

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID: LCS 700-95997/8-A
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 02/01/2011 1358
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96100
Prep Batch: 700-95997
Units: ug/Kg

Instrument ID: SMC
Lab File ID: C020109.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 700-95997/9-A
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 02/01/2011 1429
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96100
Prep Batch: 700-95997
Units: ug/Kg

Instrument ID: SMC
Lab File ID: C020110.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
1,2,4-Trichlorobenzene	58	56	34 - 130	3	22		
1,4-Dichlorobenzene	51	50	30 - 130	2	31		
Naphthalene	50	49	26 - 140	2	34		
Phenol	55	56	32 - 130	2	39		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96	87	5.0 - 130
2-Fluorobiphenyl	59	57	31 - 130
2-Fluorophenol (Surr)	56	61	10 - 128
Nitrobenzene-d5 (Surr)	58	60	35 - 130
Phenol-d5 (Surr)	60	62	29 - 130
Terphenyl-d14 (Surr)	93	88	37 - 149

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-95997

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID: LCS 700-95997/8-A
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 02/01/2011 1358
Date Prepared: 01/31/2011 1135

Units: ug/Kg

LCSD Lab Sample ID: LCSD 700-95997/9-A
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 02/01/2011 1429
Date Prepared: 01/31/2011 1135

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	1670	1670	972	940
1,4-Dichlorobenzene	1670	1670	854	839
Naphthalene	667	667	336	330
Phenol	3330	3330	1820	1860

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95997

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	700-55376-1	Analysis Batch:	700-96100	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-95997	Lab File ID:	C020117.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	02/01/2011 1802			Final Weight/Volume:	2.0 mL
Date Prepared:	01/31/2011 1135			Injection Volume:	1 uL

MSD Lab Sample ID:	700-55376-1	Analysis Batch:	700-96100	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-95997	Lab File ID:	C020118.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	02/01/2011 1832			Final Weight/Volume:	2.0 mL
Date Prepared:	01/31/2011 1135			Injection Volume:	1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	57	60	34 - 130	6	22		
1,4-Dichlorobenzene	45	48	30 - 130	8	31		
Naphthalene	50	54	26 - 140	8	34		
Phenol	52	51	32 - 130	0	39		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	22	18	5.0 - 130
2-Fluorobiphenyl	64	75	31 - 130
2-Fluorophenol (Surr)	49	51	10 - 128
Nitrobenzene-d5 (Surr)	55	64	35 - 130
Phenol-d5 (Surr)	58	57	29 - 130
Terphenyl-d14 (Surr)	105	102	37 - 149

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95997

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	700-55376-1	Units:	ug/Kg	MSD Lab Sample ID:	700-55376-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Date Analyzed:	02/01/2011 1802			Date Analyzed:	02/01/2011 1832
Date Prepared:	01/31/2011 1135			Date Prepared:	01/31/2011 1135

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,2,4-Trichlorobenzene	100	U	1950	1950	1100	1170
1,4-Dichlorobenzene	66	U	1950	1950	869	943
Naphthalene	220	U	781	781	390	425
Phenol	130	U	3900	3900	2010	2010

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-95997

Method: 8270D LL
Preparation: 3550C

Lab Sample ID: MB 700-95997/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1553
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96091
Prep Batch: 700-95997
Units: ug/Kg

Instrument ID: SMB
Lab File ID: B020115.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	MDL
2-Methylnaphthalene	1.9	U	1.9	1.9
Acenaphthene	3.1	U	3.1	3.1
Acenaphthylene	1.8	U	1.8	1.8
Anthracene	4.4	U	4.4	4.4
Benzo[a]anthracene	2.1	U	2.1	2.1
Benzo[a]pyrene	3.2	U	3.2	3.2
Benzo[b]fluoranthene	2.8	U	2.8	2.8
Benzo[g,h,i]perylene	2.5	U	2.5	2.5
Benzo[k]fluoranthene	2.6	U	2.6	2.6
Chrysene	1.9	U	1.9	1.9
Dibenz(a,h)anthracene	4.1	U	4.1	4.1
Fluoranthene	1.8	U	1.8	1.8
Fluorene	2.8	U	2.8	2.8
Indeno[1,2,3-cd]pyrene	3.0	U	3.0	3.0
Naphthalene	3.4	U	3.4	3.4
Pentachlorophenol	36	U	36	36
Phenanthrene	2.2	U	2.2	2.2
Pyrene	1.7	U	1.7	1.7

Surrogate	% Rec		Acceptance Limits
2-Fluorophenol (Surr)	12		10 - 128
Nitrobenzene-d5 (Surr)	123		30 - 130
Phenol-d5 (Surr)	9	X	29 - 130
Terphenyl-d14 (Surr)	94		30 - 149
2-Fluorobiphenyl	52		31 - 130
2,4,6-Tribromophenol (Surr)	117		5.0 - 130

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-95997

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID: LCS 700-95997/2-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/01/2011 1451
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96091
Prep Batch: 700-95997
Units: ug/Kg

Instrument ID: SMB
Lab File ID: B020113.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 700-95997/3-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/01/2011 1522
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96091
Prep Batch: 700-95997
Units: ug/Kg

Instrument ID: SMB
Lab File ID: B020114.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
2-Methylnaphthalene	68	68	36 - 140	0	63		
Acenaphthene	56	58	34 - 134	4	49		
Acenaphthylene	51	53	44 - 140	4	48		
Anthracene	68	68	44 - 126	0	27		
Benzo[a]anthracene	69	71	39 - 134	3	43		
Benzo[a]pyrene	72	76	30 - 132	5	55		
Benzo[b]fluoranthene	70	73	34 - 138	4	51		
Benzo[g,h,i]perylene	71	75	32 - 133	6	50		
Benzo[k]fluoranthene	68	71	30 - 147	4	48		
Dibenz(a,h)anthracene	63	66	32 - 134	4	50		
Fluoranthene	79	81	39 - 139	2	50		
Fluorene	59	59	41 - 130	0	50		
Indeno[1,2,3-cd]pyrene	64	70	26 - 140	8	50		
Naphthalene	53	0.1	26 - 140	199	34		U *
Pentachlorophenol	129	134	34 - 133	4	55		*
Phenanthrene	65	66	45 - 129	2	30		
Pyrene	81	81	32 - 130	0	42		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol (Surr)	49	45	10 - 128
Nitrobenzene-d5 (Surr)	76	74	30 - 130
Phenol-d5 (Surr)	48	47	29 - 130
Terphenyl-d14 (Surr)	79	72	30 - 149
2-Fluorobiphenyl	45	41	31 - 130
2,4,6-Tribromophenol (Surr)	87	86	5.0 - 130

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-95997

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID: LCS 700-95997/2-A
Units: ug/Kg
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/01/2011 1451
Date Prepared: 01/31/2011 1135

LCSD Lab Sample ID: LCSD 700-95997/3-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/01/2011 1522
Date Prepared: 01/31/2011 1135

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
2-Methylnaphthalene	667	667	456	457	
Acenaphthene	2330	2330	1310	1360	
Acenaphthylene	667	667	338	353	
Anthracene	667	667	456	455	
Benzo[a]anthracene	667	667	457	472	
Benzo[a]pyrene	667	667	480	504	
Benzo[b]fluoranthene	667	667	464	484	
Benzo[g,h,i]perylene	667	667	474	502	
Benzo[k]fluoranthene	667	667	451	471	
Dibenz(a,h)anthracene	667	667	421	438	
Fluoranthene	667	667	529	538	
Fluorene	667	667	391	392	
Indeno[1,2,3-cd]pyrene	667	667	430	466	
Naphthalene	667	667	351	17	U *
Pentachlorophenol	3330	3330	4290	4470	*
Phenanthrene	667	667	434	442	
Pyrene	2330	2330	1880	1890	

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95997

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-55376-1	Analysis Batch:	700-96091	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-95997	Lab File ID:	B020120.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	02/01/2011 1829			Final Weight/Volume:	2.0 mL
Date Prepared:	01/31/2011 1135			Injection Volume:	1 uL

MSD Lab Sample ID:	700-55376-1	Analysis Batch:	700-96091	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-95997	Lab File ID:	B020121.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	02/01/2011 1901			Final Weight/Volume:	2.0 mL
Date Prepared:	01/31/2011 1135			Injection Volume:	1 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	76	80	36 - 140	5	63		
Acenaphthene	70	65	34 - 134	7	49		
Acenaphthylene	61	59	44 - 140	3	48		
Anthracene	73	65	44 - 126	10	27		
Benzo[a]anthracene	71	74	39 - 134	4	43		
Benzo[a]pyrene	72	60	30 - 132	16	55		
Benzo[b]fluoranthene	66	55	34 - 138	13	51		
Benzo[g,h,i]perylene	52	36	32 - 133	32	50		
Benzo[k]fluoranthene	46	39	30 - 147	12	48		
Dibenz(a,h)anthracene	55	41	32 - 134	30	50		
Fluoranthene	88	79	39 - 139	8	50		
Fluorene	69	64	41 - 130	7	50		
Indeno[1,2,3-cd]pyrene	52	38	26 - 140	28	50		
Naphthalene	62	62	26 - 140	0	34		
Pentachlorophenol	37	30	34 - 133	19	55		F
Phenanthrene	71	70	45 - 129	2	30		
Pyrene	91	89	32 - 130	1	42		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorophenol (Surr)	34	44	10 - 128
Nitrobenzene-d5 (Surr)	75	70	30 - 130
Phenol-d5 (Surr)	36	50	29 - 130
Terphenyl-d14 (Surr)	80	75	30 - 149
2-Fluorobiphenyl	50	45	31 - 130
2,4,6-Tribromophenol (Surr)	19	16	5.0 - 130

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95997

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 02/01/2011 1829
Date Prepared: 01/31/2011 1135

Units: ug/Kg

MSD Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 02/01/2011 1901
Date Prepared: 01/31/2011 1135

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
2-Methylnaphthalene	8.9	U	781	781	591	623	
Acenaphthene	15	U	2730	2730	1900	1770	
Acenaphthylene	8.4	U	781	781	475	461	
Anthracene	27		781	781	595	537	
Benzo[a]anthracene	110		781	781	661	686	
Benzo[a]pyrene	90		781	781	652	557	
Benzo[b]fluoranthene	170		781	781	689	603	
Benzo[g,h,i]perylene	59		781	781	464	336	
Benzo[k]fluoranthene	160		781	781	524	465	
Dibenz(a,h)anthracene	19	U	781	781	433	320	
Fluoranthene	220		781	781	907	835	
Fluorene	13	U	781	781	541	503	
Indeno[1,2,3-cd]pyrene	40		781	781	449	338	
Naphthalene	16	U	781	781	480	482	
Pentachlorophenol	170	U	3900	3900	1440	1190	F
Phenanthrene	90		781	781	648	634	
Pyrene	190		2730	2730	2670	2630	

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-95999

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID: MB 700-95999/1-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/31/2011 2238
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96060
Prep Batch: 700-95999
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: Z013118.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	33	U	3.0	33
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	30 - 150
Tetrachloro-m-xylene	60	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-95999

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID: LCS 700-95999/10-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/31/2011 2309
Date Prepared: 01/31/2011 1148

Analysis Batch: 700-96060
Prep Batch: 700-95999
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: Z013119.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 700-95999/11-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/31/2011 2341
Date Prepared: 01/31/2011 1148

Analysis Batch: 700-96060
Prep Batch: 700-95999
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: Z013120.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
PCB-1016	126	136	33 - 130	8	44		*
PCB-1260	128	139	39 - 134	8	30		*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	72	77	30 - 150
Tetrachloro-m-xylene	58	61	30 - 150

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-95999

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID: LCS 700-95999/10-A
Units: ug/Kg
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/31/2011 2309
Date Prepared: 01/31/2011 1148

LCSD Lab Sample ID: LCSD 700-95999/11-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/31/2011 2341
Date Prepared: 01/31/2011 1148

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
PCB-1016	333	333	420	453	*
PCB-1260	333	333	426	462	*

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96000

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID: MB 700-96000/1-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/07/2011 1942
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96486
Prep Batch: 700-96000
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: Z020720.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	17	U	1.5	17
beta-BHC	1.7	U	0.12	1.7
alpha-Chlordane	1.7	U	0.097	1.7
alpha-BHC	1.7	U	0.12	1.7
Aldrin	1.7	U	0.29	1.7
4,4'-DDT	3.3	U	0.54	3.3
4,4'-DDE	3.3	U	0.30	3.3
4,4'-DDD	3.3	U	0.34	3.3
2,4'-DDT	3.3	U	0.54	3.3
2,4'-DDE	3.3	U	0.30	3.3
2,4'-DDD	3.3	U	0.34	3.3
delta-BHC	1.7	U	0.25	1.7
Dieldrin	3.3	U	0.26	3.3
Endosulfan, alpha	1.7	U	0.12	1.7
Endosulfan, beta	3.3	U	0.39	3.3
Endosulfan sulfate	3.3	U	0.34	3.3
Endrin	3.3	U	0.38	3.3
Endrin aldehyde	3.3	U	0.38	3.3
Endrin ketone	3.3	U	0.30	3.3
gamma-BHC (Lindane)	1.7	U	0.11	1.7
gamma-Chlordane	1.7	U	0.10	1.7
Heptachlor	1.7	U	0.19	1.7
Heptachlor epoxide	1.7	U	0.13	1.7
Methoxychlor	17	U	0.28	17
Mirex	17	U	17	17
PCB-1016	33	U	3.0	33
Toxaphene	170	U	11	170
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33
cis-Nonachlor	1.7	U	1.7	1.7
oxy-Chlordane	1.7	U	1.7	1.7
trans-Nonachlor	1.7	U	1.7	1.7

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	78	30 - 150
Tetrachloro-m-xylene	58	30 - 150

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-96000

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID: LCS 700-96000/2-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/07/2011 2014
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96486
Prep Batch: 700-96000
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: Z020721.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 700-96000/3-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/07/2011 2047
Date Prepared: 01/31/2011 1135

Analysis Batch: 700-96486
Prep Batch: 700-96000
Units: ug/Kg

Instrument ID: SGZ
Lab File ID: Z020722.D
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
beta-BHC	73	69	12 - 148	5	40		
alpha-BHC	53	51	20 - 130	4	40		
Aldrin	68	65	25 - 130	5	38		
4,4'-DDT	38	32	24 - 148	18	30	J	J
4,4'-DDE	64	57	20 - 130	10	30		
4,4'-DDD	72	65	13 - 148	10	50		
delta-BHC	70	65	10 - 146	7	47		
Dieldrin	68	61	22 - 145	11	30		
Endosulfan, alpha	56	50	17 - 199	10	40		
Endosulfan, beta	69	63	10 - 146	8	65		
Endosulfan sulfate	84	80	10 - 166	5	50		
Endrin	76	69	26 - 140	10	32		
Endrin aldehyde	77	71	14 - 135	8	86		
Endrin ketone	77	71	24 - 145	8	31		
gamma-BHC (Lindane)	65	62	20 - 130	5	37		
Heptachlor	62	57	19 - 139	10	38		
Heptachlor epoxide	71	66	38 - 130	7	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	79	75	30 - 150
Tetrachloro-m-xylene	56	54	30 - 150

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-96000

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID: LCS 700-96000/2-A
Units: ug/Kg
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/07/2011 2014
Date Prepared: 01/31/2011 1135

LCSD Lab Sample ID: LCSD 700-96000/3-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/07/2011 2047
Date Prepared: 01/31/2011 1135

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
beta-BHC	6.67	6.67	4.87		4.62	
alpha-BHC	6.67	6.67	3.55		3.41	
Aldrin	6.67	6.67	4.51		4.30	
4,4'-DDT	6.67	6.67	2.54	J	2.12	J
4,4'-DDE	6.67	6.67	4.25		3.83	
4,4'-DDD	6.67	6.67	4.80		4.36	
delta-BHC	6.67	6.67	4.67		4.33	
Dieldrin	6.67	6.67	4.55		4.09	
Endosulfan, alpha	6.67	6.67	3.71		3.37	
Endosulfan, beta	6.67	6.67	4.58		4.21	
Endosulfan sulfate	6.67	6.67	5.60		5.35	
Endrin	6.67	6.67	5.05		4.59	
Endrin aldehyde	6.67	6.67	5.13		4.75	
Endrin ketone	6.67	6.67	5.14		4.73	
gamma-BHC (Lindane)	6.67	6.67	4.34		4.12	
Heptachlor	6.67	6.67	4.16		3.77	
Heptachlor epoxide	6.67	6.67	4.72		4.40	

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96057

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 700-96057/1-A
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1459
Date Prepared: 01/31/2011 0700

Analysis Batch: 700-96157
Prep Batch: 700-96057
Units: ug/Kg

Instrument ID: SGY
Lab File ID: Y020207.D
Initial Weight/Volume: 50.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 0.5 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4,5-T	8.3	U	0.87	8.3
2,4-D	8.3	U	2.4	8.3
2,4-DB	8.3	U	1.1	8.3
Dalapon	2000	U	2.0	2000
Dicamba	20	U	1.7	20
Dichlorprop	100	U	0.80	100
Dinoseb	100	U	31	100
MCPA	2000	U	74	2000
MCPP	2000	U	120	2000
Silvex (2,4,5-TP)	8.3	U	1.5	8.3

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	114	10 - 135

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-96057

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 700-96057/2-A
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1334
Date Prepared: 01/31/2011 0700

Analysis Batch: 700-96157
Prep Batch: 700-96057
Units: ug/Kg

Instrument ID: SGY
Lab File ID: Y020205.D
Initial Weight/Volume: 50.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 0.5 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 700-96057/3-A
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1417
Date Prepared: 01/31/2011 0700

Analysis Batch: 700-96157
Prep Batch: 700-96057
Units: ug/Kg

Instrument ID: SGY
Lab File ID: Y020206.D
Initial Weight/Volume: 50.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 0.5 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
2,4,5-T	129	92	19 - 121	33	40	*	
2,4-D	80	51	16 - 141	45	106		
2,4-DB	174	110	10 - 157	45	68	*	
Dalapon	160	155	10 - 271	3	190	J	J
Dicamba	133	95	11 - 133	33	50		J
Dichlorprop	156	121	10 - 138	26	46	J *	J
Dinoseb	219	56	10 - 190	118	312	J *	
MCPA	86	67	10 - 114	25	178	J	J
MCPP	107	58	10 - 108	60	109		J
Silvex (2,4,5-TP)	138	103	29 - 120	29	40	*	

Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	156	X	103	10 - 135

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-96057

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 700-96057/2-A
Units: ug/Kg
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1334
Date Prepared: 01/31/2011 0700

LCSD Lab Sample ID: LCSD 700-96057/3-A
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1417
Date Prepared: 01/31/2011 0700

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2,4,5-T	20.0	20.0	25.8	*	18.4	
2,4-D	20.0	20.0	16.1		10.2	
2,4-DB	20.0	20.0	34.8	*	21.9	
Dalapon	20.0	20.0	32.0	J	31.1	J
Dicamba	20.0	20.0	26.5		19.1	J
Dichlorprop	20.0	20.0	31.3	J *	24.2	J
Dinoseb	20.0	20.0	43.8	J *	100	
MCPA	2000	2000	1730	J	1350	J
MCPP	2000	2000	2140		1150	J
Silvex (2,4,5-TP)	20.0	20.0	27.5	*	20.6	

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-96057

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-55376-1	Analysis Batch: 700-96157	Instrument ID: SGY
Client Matrix:	Solid	Prep Batch: 700-96057	Lab File ID: Y020210.D
Dilution:	4.0		Initial Weight/Volume: 50.0 g
Date Analyzed:	02/02/2011 1705		Final Weight/Volume: 5.0 mL
Date Prepared:	01/31/2011 0700		Injection Volume: 0.5 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	700-55376-1	Analysis Batch: 700-96157	Instrument ID: SGY
Client Matrix:	Solid	Prep Batch: 700-96057	Lab File ID: Y020211.D
Dilution:	4.0		Initial Weight/Volume: 50.0 g
Date Analyzed:	02/02/2011 1748		Final Weight/Volume: 5.0 mL
Date Prepared:	01/31/2011 0700		Injection Volume: 0.5 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4,5-T	77	73	27 - 168	5	59		
2,4-D	39	38	26 - 159	4	47	J	J
2,4-DB	100	77	10 - 181	25	40		
Dalapon	84	92	1.0 - 213	9	40	J	J
Dicamba	87	86	29 - 145	1	40	J	J
Dichlorprop	117	111	28 - 100	5	40	J F	J F
Dinoseb	NC	NC	1.0 - 130	NC	50		U
MCPA	57	52	29 - 134	9	50	J	J
MCPP	83	86	13 - 157	3	50	J	J
Silvex (2,4,5-TP)	114	109	32 - 134	4	51		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	133	132	10 - 135

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-96057

Method: 8151A
Preparation: 8151A

MS Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1705
Date Prepared: 01/31/2011 0700

Units: ug/Kg

MSD Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 02/02/2011 1748
Date Prepared: 01/31/2011 0700

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2,4,5-T	9.7	U	23.4	23.4	18.0		17.0	
2,4-D	9.7	U	23.4	23.4	9.21	J	8.85	J
2,4-DB	9.7	U	23.4	23.4	23.3		18.1	
Dalapon	2300	U	23.4	23.4	19.7	J	21.5	J
Dicamba	23	U	23.4	23.4	20.3	J	20.1	J
Dichlorprop	120	U	23.4	23.4	27.5	J F	26.1	J F
Dinoseb	120	U	23.4	23.4	120		120	U
MCPA	2300	U	2340	2340	1330	J	1210	J
MCPP	2300	U	2340	2340	1950	J	2020	J
Silvex (2,4,5-TP)	9.7	U	23.4	23.4	26.6		25.5	

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96056

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 700-96056/1-A
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/02/2011 0732
Date Prepared: 02/01/2011 1142

Analysis Batch: 700-96093
Prep Batch: 700-96056
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 0201073.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	2500	U	2100	2500
Antimony	250	U	60	250

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-96056

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 700-96056/2-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0804
Date Prepared: 02/01/2011 1142

Analysis Batch: 700-96093
Prep Batch: 700-96056
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 0201076.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 700-96056/3-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0816
Date Prepared: 02/01/2011 1142

Analysis Batch: 700-96093
Prep Batch: 700-96056
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 0201077.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Aluminum	88	89	75 - 125	1	20		
Antimony	93	92	75 - 125	1	20		

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-96056

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 700-96056/2-A
Units: ug/L
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0804
Date Prepared: 02/01/2011 1142

LCSD Lab Sample ID: LCSD 700-96056/3-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0816
Date Prepared: 02/01/2011 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	110000	110000	96400	97700
Antimony	10000	10000	9300	9230

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-96056

Method: 6020
Preparation: 3050B

MS Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0827
Date Prepared: 02/01/2011 1142

Analysis Batch: 700-96093
Prep Batch: 700-96056

Instrument ID: ICPMS
Lab File ID: 0201078.D#.raw
Initial Weight/Volume: 0.85 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0838
Date Prepared: 02/01/2011 1142

Analysis Batch: 700-96093
Prep Batch: 700-96056

Instrument ID: ICPMS
Lab File ID: 0201079.D#.raw
Initial Weight/Volume: 0.85 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	-2846	-646	70 - 130	19	20	4	4
Antimony	65	73	70 - 130	11	20	F	
Arsenic	137	103	70 - 130	21	20	F	F
Cadmium	87	98	70 - 130	12	20		
Chromium	116	118	70 - 130	1	20		
Copper	173	-20	70 - 130	48	20	F	F
Lead	63	72	70 - 130	3	20	F	
Nickel	89	88	70 - 130	0	20		
Silver	76	86	70 - 130	13	20		
Zinc	904	75	70 - 130	92	20	4	4 F

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-96056

Method: 6020
Preparation: 3050B

MS Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0827
Date Prepared: 02/01/2011 1142

Units: ug/L

MSD Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/02/2011 0838
Date Prepared: 02/01/2011 1142

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	9900000		75800	75800	7730000	4	9400000	4
Antimony	300	J	6890	6890	4800	F	5350	
Arsenic	2800		6890	6890	12200	F	9870	F
Cadmium	360		6890	6890	6330		7130	
Chromium	13000		6890	6890	20900		21100	
Copper	23000		6890	6890	34400	F	21100	F
Lead	12000		6890	6890	16300	F	16900	
Nickel	10000		6890	6890	16300		16300	
Silver	67	J	6890	6890	5280		5990	
Zinc	28000		6890	6890	90800	4	33700	4 F

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96221

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 700-96221/1-A
Client Matrix: Solid
Dilution: 10
Date Analyzed: 02/08/2011 0403
Date Prepared: 02/05/2011 1111

Analysis Batch: 700-96329
Prep Batch: 700-96221
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 0207059.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	500	U	110	500
Cadmium	500	U	200	500
Chromium	500	U	190	500
Copper	1000	U	400	1000
Lead	250	U	74	250
Nickel	500	U	160	500
Silver	12.1	J	10	100
Zinc	4000	U	2000	4000

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-96221

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 700-96221/2-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/08/2011 0434
Date Prepared: 02/05/2011 1111

Analysis Batch: 700-96329
Prep Batch: 700-96221
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 0207063.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 700-96221/3-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/08/2011 0443
Date Prepared: 02/05/2011 1111

Analysis Batch: 700-96329
Prep Batch: 700-96221
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 0207064.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Arsenic	110	110	75 - 125	0	20		
Cadmium	96	97	75 - 125	1	20		
Chromium	94	95	75 - 125	1	20		
Copper	91	91	75 - 125	0	20		
Lead	96	97	75 - 125	2	20		
Nickel	95	96	75 - 125	0	20		
Silver	118	120	75 - 125	2	20		
Zinc	94	94	75 - 125	0	20		

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-96221

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 700-96221/2-A
Units: ug/L
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/08/2011 0434
Date Prepared: 02/05/2011 1111

LCSD Lab Sample ID: LCSD 700-96221/3-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/08/2011 0443
Date Prepared: 02/05/2011 1111

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	110000	110000	121000	121000
Cadmium	110000	110000	106000	106000
Chromium	110000	110000	103000	104000
Copper	110000	110000	100000	100000
Lead	110000	110000	105000	107000
Nickel	110000	110000	105000	105000
Silver	110000	110000	129000	132000
Zinc	110000	110000	103000	103000

Quality Control Results

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Method Blank - Batch: 700-96003

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 700-96003/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1439
Date Prepared: 01/31/2011 1220

Analysis Batch: 700-96065
Prep Batch: 700-96003
Units: mg/Kg

Instrument ID: LEEMAN HYDRA
Lab File ID: 02012011-2.CSV
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.013	U	0.012	0.013

Lab Control Sample - Batch: 700-96003

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 700-96003/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1444
Date Prepared: 01/31/2011 1220

Analysis Batch: 700-96065
Prep Batch: 700-96003
Units: mg/Kg

Instrument ID: LEEMAN HYDRA
Lab File ID: 02012011-2.CSV
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.267	0.229	86	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-96003

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1449
Date Prepared: 01/31/2011 1220

Analysis Batch: 700-96065
Prep Batch: 700-96003

Instrument ID: LEEMAN HYDRA
Lab File ID: 02012011-2.CSV
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1451
Date Prepared: 01/31/2011 1220

Analysis Batch: 700-96065
Prep Batch: 700-96003

Instrument ID: LEEMAN HYDRA
Lab File ID: 02012011-2.CSV
Initial Weight/Volume: 0.59 g
Final Weight/Volume: 40 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	108	108	80 - 120	2	20		

Client: USA Environment,LP

Job Number: 700-55376-1
Sdg Number: 700-55376-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-96003

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1449
Date Prepared: 01/31/2011 1220

Units: mg/Kg

MSD Lab Sample ID: 700-55376-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/01/2011 1451
Date Prepared: 01/31/2011 1220

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.017	0.195	0.198	0.228	0.232

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

February 7, 2011

TestAmerica Project Number: G1A290441
PO/Contract: 700-55376

Suzy Lindblom
TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693

Dear Ms. Lindblom,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on January 29, 2011. This sample is associated with your 700-55376 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4340.

Sincerely,

Bryanna Vandenberg

Bryanna Vandenberg
Project Manager

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TestAmerica West Sacramento Project Number G1A290441

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Sample Description Information

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- Method Blank Report
- Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture
Sample: 1
- Sample Data Sheet
- Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G1A290441

General Comments
The sample was received at 1 degree Celsius, and temperature blank at 0 degree Celsius. Wet ice was used as a cooling agent.

SOLID, 1613B, Dioxins/Furans
Sample: 1
The ending continuing calibration verification standard did not meet %D acceptance criteria for 13C-1,2,3,6,7,8-HxCDD. Any associated sample with a non-passing recovery for this internal standard was re-analyzed.

There were no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G1A290441

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MDWA7	1	HPP GRAB (700-55376-1)	1/21/2011 10:30 AM	1/29/2011 09:20 AM

Notes:

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as “ND” were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone (251) 666-6633 Fax (251) 666-6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lindblom, Suzy	Carrier Tracking No(s):	COC No: 700-11609.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: suzy.lindblom@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 700-55376-1
Address: 880 Riverside Parkway,	Due Date Requested: 2/28/2011			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel)	PO #:			
Email:	WO #:			
Project Name: Pesticides in Soils	Project #: 70004521			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HPP Grab (700-55376-1)	1/21/11	10:30 Central		Solid			X	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[illegible]	1-28-11 1530	TA-Mobile	[illegible]	1-29-11 1000	[illegible]
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL-Mobile PM JS LOG # 69163

LOT# (QUANTIMS ID) G1A290441 QUOTE# 38638 LOCATION W13C

Checked (✓)

DATE RECEIVED 1-29-11 TIME RECEIVED 920 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☐ CLIENT ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

CUSTODY SEAL #(S) _____

COC #(S) 700-11609.1 ☑

TEMPERATURE BLANK Observed: 0 Corrected: 0

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 1 Average 1 Corrected Average 1

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER _____ ☑

Initials: OV Date: 1-29-11

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☑ N/A ☑

☑ CLOUSEAU ☑ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☐ N/A

☑ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☑ PM NOTIFIED

Initials: OV Date: 1-29-11

Notes _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1A290441

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 1613B, Dioxins/Furans

TestAmerica Mobile

Client Sample ID: HPP GRAB(700-55376-1)

Trace Level Organic Compounds

Lot-Sample #...: G1A290441-001 **Work Order #...:** MDWA71AC **Matrix.....:** SOLID
Date Sampled...: 01/21/11 **Date Received..:** 01/29/11
Prep Date.....: 02/01/11 **Analysis Date..:** 02/04/11
Prep Batch #...: 1032109
Dilution Factor: 0.94
Analyst ID.....: 005753 **Instrument ID..:** 3D5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.12	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.25	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.20	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.58	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.44	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	**20**		**pg/g**	**EPA-5 1613B**
OCDD	**260**		**pg/g**	**EPA-5 1613B**
2,3,7,8-TCDF	ND	0.23	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.12	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.13	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.22	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.18	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.11	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.12	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.8	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.27	pg/g	EPA-5 1613B
OCDF	ND	4.2	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	67	(25 - 164)
13C-1,2,3,7,8-PeCDD	74	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	66	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	66	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	58	(23 - 140)
13C-OCDD	72	(17 - 157)
13C-2,3,7,8-TCDF	70	(24 - 169)
13C-1,2,3,7,8-PeCDF	74	(24 - 185)
13C-2,3,4,7,8-PeCDF	79	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	59	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	64	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	66	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	69	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	66	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	66	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	101	(35 - 197)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

QC DATA ASSOCIATION SUMMARY

G1A290441

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1032109	
	SOLID	ASTM D 2216-90		1030028	1030013

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1A290441 **Work Order #...:** MDXKP1AA **Matrix.....:** SOLID
MB Lot-Sample #: G1B010000-109

Prep Date.....: 02/01/11 **Instrument ID..:** 3D5
Analysis Date..: 02/04/11 **Prep Batch #...:** 1032109
Dilution Factor: 1

Analyst ID.....: 005753

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.12	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.15	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.16	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.13	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.14	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.46	pg/g	EPA-5 1613B
OCDD	ND	0.99	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.062	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.089	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.10	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.099	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.093	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.088	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.12	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.24	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.38	pg/g	EPA-5 1613B
OCDF	ND	0.22	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	67	(25 - 164)
13C-1,2,3,7,8-PeCDD	71	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	67	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	84	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	70	(23 - 140)
13C-OCDD	83	(17 - 157)
13C-2,3,7,8-TCDF	70	(24 - 169)
13C-1,2,3,7,8-PeCDF	73	(24 - 185)
13C-2,3,4,7,8-PeCDF	74	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	70	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	71	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	71	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	76	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	72	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	69	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	96	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1A290441 **Work Order #...:** MDXKP1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1B010000-109
Prep Date.....: 02/01/11 **Analysis Date..:** 02/04/11
Prep Batch #...: 1032109
Dilution Factor: 1 **Instrument ID..:** 3D5
Analyst ID.....: 005753

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	92	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	90	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	94	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	89	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	88	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	97	(70 - 140)	EPA-5 1613B
OCDD	82	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	82	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	87	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	89	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	87	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	93	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	89	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	88	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	89	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	88	(78 - 138)	EPA-5 1613B
OCDF	83	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1A290441 **Work Order #...:** MDXKP1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1B010000-109

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(20 - 175)
13C-1,2,3,7,8-PeCDD	86	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	75	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	92	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	83	(26 - 166)
13C-OCDD	104	(13 - 199)
13C-2,3,7,8-TCDF	84	(22 - 152)
13C-1,2,3,7,8-PeCDF	88	(21 - 192)
13C-2,3,4,7,8-PeCDF	85	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	75	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	79	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	78	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	91	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	91	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	78	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	101	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1A290441 **Work Order #...:** MDXKP1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1B010000-109
Prep Date.....: 02/01/11 **Analysis Date..:** 02/04/11
Prep Batch #...: 1032109
Dilution Factor: 1 **Instrument ID..:** 3D5
Analyst ID.....: 005753

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	18.3	pg/g	92	EPA-5 1613B
1,2,3,7,8-PeCDD	100	89.8	pg/g	90	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	94.4	pg/g	94	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	88.6	pg/g	89	EPA-5 1613B
1,2,3,7,8,9-HxCDD	100	88.3	pg/g	88	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	100	96.9	pg/g	97	EPA-5 1613B
OCDD	200	164	pg/g	82	EPA-5 1613B
2,3,7,8-TCDF	20.0	16.4	pg/g	82	EPA-5 1613B
1,2,3,7,8-PeCDF	100	86.5	pg/g	87	EPA-5 1613B
2,3,4,7,8-PeCDF	100	89.1	pg/g	89	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	86.5	pg/g	87	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	93.3	pg/g	93	EPA-5 1613B
2,3,4,6,7,8-HxCDF	100	89.5	pg/g	89	EPA-5 1613B
1,2,3,7,8,9-HxCDF	100	88.0	pg/g	88	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	100	89.2	pg/g	89	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	100	88.1	pg/g	88	EPA-5 1613B
OCDF	200	166	pg/g	83	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1A290441 **Work Order #...:** MDXKP1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1B010000-109

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(20 - 175)
13C-1,2,3,7,8-PeCDD	86	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	75	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	92	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	83	(26 - 166)
13C-OCDD	104	(13 - 199)
13C-2,3,7,8-TCDF	84	(22 - 152)
13C-1,2,3,7,8-PeCDF	88	(21 - 192)
13C-2,3,4,7,8-PeCDF	85	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	75	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	79	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	78	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	91	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	91	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	78	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	101	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, Percent Moisture

TestAmerica Mobile

Client Sample ID: HPP GRAB(700-55376-1)

General Chemistry

Lot-Sample #...: G1A290441-001 **Work Order #...:** MDWA7 **Matrix.....:** SOLID
Date Sampled...: 01/21/11 **Date Received..:** 01/29/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.2	0.10	%	ASTM D 2216-90	01/30-01/31/11	1030028

Dilution Factor: 1 Analyst ID.....: 430133 Instrument ID..: NO INST

QC DATA ASSOCIATION SUMMARY

G1A290441

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1032109	
	SOLID	ASTM D 2216-90		1030028	1030013

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G1A290441 **Work Order #...:** MDKFK-SMP MDKFK-DUP **Matrix.....:** SOLID

Date Sampled...: 01/20/11 **Date Received..:** 01/21/11

% Moisture.....: 20

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	A1A210474-001	
	20.1	20.5	%	2.0	(0-20)	ASTM D 2216-90	01/30-01/31/11	1030028

Dilution Factor: 1 Analyst ID.....: 430133 Instrument ID..: NO INST

Mobile
900 Lakeside Drive

Mobile, AL 36693
phone 251.706.3202 fax 251.666.6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Glenn Smalley	Site Contact: Glenn Smalley	Date: 1/25/11	COC No:
USA Environment, LP	Tel/Fax: (940) 391-4548	Lab Contact: Suzy Lindblom	Carrier: FedEx	____ of ____ COCs
10234 Lucore St. (PO Box 87687)	Analysis Turnaround Time			Job No.
Houston, TX 77017 (77287)	Calendar (C) or Work Days (W) ____			
(713) 425-6900 Phone	TAT if different from Below ____			
(713) 425-6959 FAX	☐ 2 weeks			SDG No.
Project Name: San Jac Waste Pits	☒ 1 week			
Site: Houston, TX	☐ 2 days			
P O #	☐ 1 day			

Filtered Sample: Diesel, Gas, Total Pet Hydr

SEE ATTACHED

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Sample Specific Notes:
#1, HPP	1/21/11	10:16 A	GRAB	Soil	1	
#2, HPP	1/21/11	10:19A	"	"	"	
#3, HPP	1/21/11	10:22A	"	"	"	
#4, HPP	1/21/11	10:25A	"	"	"	
#5, HPP	1/21/11	10:27A	"	"	"	
#6, HPP	1/21/11	10:30A	"	"	"	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☒ *Archive For* 1 *Months*

Special Instructions/QC Requirements & Comments:
Level 4 Data Package needed

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Glenn Smalley	USA Environment	1/27/11 4:00p	[signature]	TA	1-28-11 8:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

700-55376

1.4 C 55 92

02/15/2011

	CONTACTOR SUBMITTAL	Date 3/9/11

PROJECT NAME: **San Jacinto Waste Pits Superfund Site**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**18**

To:	**John LaPlante**	**References:**	RAWP
		Drawing/Spec:	
Subject:	**Armor Cap Material A – Blended Grain Size Distribution**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**TCRA**	**Cost:**	☐	**Schedule:**	☒

Attached is the grain size analysis for the blended Armor Cap material A referenced and discussed in RFI-01.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	3/9/2011		

Reply:

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Comments:

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Cesar Garcia	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [illegible] Date: 03-10-2011
Anchor QEA, LLC

PACS ***Construction Laboratories and Testing Services***

4560 West 34th Street, Suite J, Houston Texas 77092 Telephone: (713) 681-6606, Facsimile: (713) 681-6608

REPORT OF LABORATORY TESTING SERVICES

CLIENT: HPP Corporation
Attn: Mr. Dennis Brown
2070 Genoa Red Bluff
Houston, Texas 77034

CLIENT NUMBER: HPP08
REPORT NUMBER: HPP032A
REPORT DATE: Mar. 09, 2011
SERVICE DATE: Mar. 09, 2011

SERVICE: On March 08, 2011, PACS Construction Laboratories sampled a stockpile of blended Bull Rock and Flexible Base at the HPP yard in Houston, Texas. The sample was returned to PACS Construction Laboratories where it was processed and tested for gradation in general accordance with ASTM C-136. Below we have posted the results.

TEST RESULTS

Sieve No.	Percent Passing	Project Specifications Percent Passing
6"	100	100
3"	48	20 to 50
#4	15	13 to 21
#10	11	5 to 11
#200	0.6	<4

Test results indicate the sample meets project specifications as outlined above.

PACS Construction Laboratories and Testing Services, Inc.

John Ynigues, Project Manager

Test results apply to the sample or samples tested which may or may not be indicative of the completed product. This report is for the exclusive use of the client who has received permission from PACS Construction Laboratories to reprint and/or distribute as necessary.

	CONTACTOR SUBMITTAL	Date 4/6/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**19A**

To:	**John LaPlante**	**References:**	Natural Stone - Chemistry
		Drawing/Spec:	
Subject:	**Natural Stone –Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Western Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the results of the second sample submitted for analysis on the natural stone from Gulf Coast limestone with the corrected units.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	4/6/11		

Reply:

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only
Comments:

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Cesar Garcia	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [illegible] Date: 04-14-11
Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone2 - GCLI (mg/kg)	Qualifier
Metals								
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	5700	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	0.13	J
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	2.5	
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.42	U
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	7.1	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	10	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	13	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.02	
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	7.8	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.022	J
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	14	
Semivolatile Organic Compounds								
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.068	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.068	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	--	
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.068	U
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.068	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	0.0069	U
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.068	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.068	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.0069	U
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.0069	U
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.0069	U
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.0069	U
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.0069	U
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.0069	U
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.0069	U
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.0069	U
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.068	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.068	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.068	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.068	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.0069	U
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.0069	U
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.068	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.068	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.068	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.068	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.0069	U
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.0069	U
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.068	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.068	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.068	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.0069	U
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.0069	U
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.068	U
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.068	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.0069	U
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.068	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.0069	U
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.005	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.005	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.005	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.005	U
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.005	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.005	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.005	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.005	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.005	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.005	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.01	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.005	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.005	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.005	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.005	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.005	U
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.005	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.025	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.005	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.025	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.005	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.005	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone2 - GCLI (mg/kg)	Qualifier
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.025	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.0073	J
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.005	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.005	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.005	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.005	U
Bromoethane	8260B	0.0100	NL	NL	NL		0.005	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.005	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.01	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.005	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.005	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.005	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.01	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.005	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.01	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.005	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.005	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.005	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.005	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.005	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.005	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.005	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.005	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.01	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.05	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.005	U
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.005	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.005	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.005	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.005	U
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.005	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.005	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.005	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.005	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.005	U
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.005	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.005	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.005	U
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.005	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.01	U
Organochlorine Pesticides								
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.0034	U
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.0034	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone2 - GCLI (mg/kg)	Qualifier
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.0034	U
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.0017	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.0034	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.0017	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.0017	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.0017	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.0017	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.0017	U
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.0017	U
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.0017	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.0034	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.0034	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.0037	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.0034	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.0034	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.0017	U
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.0017	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.017	U
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.017	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0017	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.0017	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.17	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0017	U
Chlorinated Herbicides								
2,4,5-T	8151	0.020	NL	NL	--		0.0085	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0085	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	0.0085	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	2.1	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.021	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.1	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.1	U
MCPA	8151	1	1.2E-02	77	NL	0.01	2.1	U
MCPP	8151	1	2.3E-02	150	NL	0.02	2.1	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0085	U
Polychlorinated Biphenyls (PCBs)								
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.069	U
Dioxin/Furans, ng/kg								
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]		
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	0.26	U
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.43	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.23	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.21	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.19	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	0.83	U
OCDD	1613B	10	(3)	(3)	NL	(3)	8.8	J
Furans								
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	0.39	U
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.52	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.54	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.25	U
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.23	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.32	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.24	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.2	U
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.21	U
OCDF	1613B	10	(3)	(3)	NL	(3)	0.51	U
TEQ (U=1/2)							0.55	

Notes:
1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given

ANALYTICAL REPORT

Job Number: 700-56190-1

SDG Number: 700-56190-1

Job Description: Pesticides in Soils

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
4/4/2011 9:08 AM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
04/04/2011
Revision: 1

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

TestAmerica Laboratories, Inc.
TestAmerica Mobile 900 Lakeside Drive, Mobile, AL 36693
Tel (251) 666-6633 Fax (251) 666-6696 www.testamericainc.com

Job Narrative
700-56190-1

Comments
No additional comments.

Receipt
Sample #1 and #2 arrived with cracked plastic lids. However taped and nothing spilled out.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 97610 recovered outside acceptance criteria, low biased, for 3 & 4 methylphenol, benzoic acid, and pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 97485 were outside control limits for Pentachlorophenol. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270D LL: The continuing calibration verification (CCV) associated with batch 97566_____ recovered outside acceptance criteria, low biased, for benzo(g,h,i)perylene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8270D LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 95485 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081B/8082A: The continuing calibration verification (CCV) for 4,4-DDT and Methoxychlor recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The Performance Evaluation Mixture (PEM) analyzed on 03/07/2011 exceeded the breakdown criteria for Endrin but less then 20%. All associated samples were analyzed for these analytes but are non detect therefore data have been reported.

Method(s) 8151A: The laboratory control sample duplicate (LCSD) for batch 97587 exceeded control limits for the following analyte: 2,4,5-T. The analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 97587 were outside the upper control limits for the analyte Dichlorprop. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6020: The method blank for preperation batch 97388 contained Nickel (Ni) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6020: The ending continuing calibration verification (CCV) for analytical batch 97860 exceeded control criteria for Aluminum (Al) and Beryilium (Be). The data have been qualified and reported.

The opening CCV for Aluminum was within acceptable limits at 90.0%. The ending was biased high at 114%. The opening CCV for Beryilium was within acceptable limits at 109.3%. The ending CCV was biased low marginally at 89%. The Laboratory Control Spike and Duplicate (LCS/D) were analyzed within the same bracket and were acceptable at 99% and 106% for Aluminum and 113% and 110% for Beryilium.

The samples were analyzed on multiple occassions with similiar situations occurring. The data is being reported as is.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL MOB	SW846 8260C	
Purge and Trap	TAL MOB		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL MOB	SW846 8270D	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Semivolatile Organic Compounds by GC/MS - Low Level	TAL MOB	SW846 8270D LL	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Herbicides (GC)	TAL MOB	SW846 8151A	
Extraction (Herbicides)	TAL MOB		SW846 8151A
Metals (ICP/MS)	TAL MOB	SW846 6020	
Preparation, Metals	TAL MOB		SW846 3050B
Mercury (CVAA)	TAL MOB	SW846 7471A	
Preparation, Mercury	TAL MOB		SW846 7471A
Percent Moisture	TAL MOB	EPA Moisture	
EPA 1613B Dioxin	TAL WSC	EPA 1613B	

Lab References:

TAL MOB = TestAmerica Mobile

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method	Analyst	Analyst ID
SW846 8260C	Var, Kerry	KBV
SW846 8270D	Schellinger, Eron	ES
SW846 8270D LL	Polk, LanHuong N	LNP
SW846 8081B/8082A	Pham, Van T	VP
SW846 8151A	Baker, Nick J	NJB
SW846 6020	Thompson, Cheri D	CDT
SW846 7471A	Phothisat, Phukham N	PNP
EPA Moisture	Nguyen, Tiffany K	TKN

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-56190-5	GCLI 1-4 Composite	Solid	03/01/2011 1310	03/03/2011 0900

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8260C Volatile Organic Compounds by GC/MS

Method: 8260C
Preparation: 5030C
Dilution: 1.0
Date Analyzed: 03/07/2011 1702
Date Prepared: 03/07/2011 1702

Analysis Batch: 700-97550

Instrument ID: VMG
Lab File ID: G030710.D
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		1.2	U	1.2	5.0
1,1,1-Trichloroethane		1.5	U	1.5	5.0
1,1,2,2-Tetrachloroethane		1.7	U	1.7	5.0
1,1,2-Trichloroethane		1.2	U	1.2	5.0
1,1-Dichloroethane		1.0	U	1.0	5.0
1,1-Dichloroethene		1.3	U	1.3	5.0
1,1-Dichloropropene		1.4	U	1.4	5.0
1,2,3-Trichlorobenzene		2.0	U	2.0	5.0
1,2,3-Trichloropropane		2.6	U	2.6	5.0
1,2,4-Trimethylbenzene		0.66	U	0.66	5.0
1,2-Dibromo-3-Chloropropane		3.0	U	3.0	10
1,2-Dichloroethane		2.0	U	2.0	5.0
1,2-Dichloropropane		1.2	U	1.2	5.0
1,3,5-Trimethylbenzene		0.60	U	0.60	5.0
1,3-Dichloropropane		1.3	U	1.3	5.0
1,4-Dichlorobenzene		0.82	U	0.82	5.0
2,2-Dichloropropane		1.4	U	1.4	5.0
2-Butanone (MEK)		11	U	11	25
2-Chlorotoluene		1.1	U	1.1	5.0
2-Hexanone		11	U	11	25
4-Chlorotoluene		0.74	U	0.74	5.0
4-Isopropyltoluene		1.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)		11	U	11	25
Acetone		7.3	J	5.1	50
Benzene		1.1	U	1.1	5.0
Bromobenzene		1.8	U	1.8	5.0
Bromoform		1.1	U	1.1	5.0
Bromomethane		3.6	U	3.6	10
Carbon disulfide		0.78	U	0.78	5.0
Carbon tetrachloride		1.4	U	1.4	5.0
Chlorobenzene		1.1	U	1.1	5.0
Chlorobromomethane		1.2	U	1.2	5.0
Chlorodibromomethane		1.2	U	1.2	5.0
Chloroethane		1.5	U	1.5	10
Chloroform		0.82	U	0.82	5.0
Chloromethane		2.3	U	2.3	10
cis-1,2-Dichloroethene		0.96	U	0.96	5.0
cis-1,3-Dichloropropene		1.0	U	1.0	5.0
Dibromomethane		0.34	U	0.34	5.0
Dichlorobromomethane		1.2	U	1.2	5.0
Dichlorodifluoromethane		1.2	U	1.2	5.0
Ethylbenzene		1.8	U	1.8	5.0
Ethylene Dibromide		1.2	U	1.2	5.0
Isopropylbenzene		0.78	U	0.78	5.0
Methyl tert-butyl ether		3.2	U	3.2	50
Methylene Chloride		1.6	U	1.6	5.0

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8260C Volatile Organic Compounds by GC/MS

Method:	8260C	Analysis Batch: 700-97550		Instrument ID:	VMG
Preparation:	5030C			Lab File ID:	G030710.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Date Analyzed:	03/07/2011 1702			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		0.74	U	0.74	10
Naphthalene		3.5	U	3.5	5.0
n-Butylbenzene		1.3	U	1.3	5.0
N-Propylbenzene		0.56	U	0.56	5.0
o-Xylene		0.60	U	0.60	5.0
sec-Butylbenzene		0.69	U	0.69	5.0
Styrene		0.61	U	0.61	5.0
tert-Butylbenzene		0.68	U	0.68	5.0
Tetrachloroethene		0.90	U	0.90	5.0
Toluene		1.0	U	1.0	5.0
trans-1,2-Dichloroethene		0.99	U	0.99	5.0
trans-1,3-Dichloropropene		0.97	U	0.97	5.0
Trichloroethene		0.90	U	0.90	5.0
Trichlorofluoromethane		1.3	U	1.3	5.0
Vinyl chloride		1.6	U	1.6	10
Xylenes, Total		1.3	U	1.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		30 - 126
Dibromofluoromethane	98		30 - 140
Toluene-d8 (Surr)	102		42 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8260C Volatile Organic Compounds by GC/MS

Method:	8260C	Analysis Batch: 700-97687		Instrument ID:	VMG
Preparation:	5030C			Lab File ID:	G031017.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Date Analyzed:	03/10/2011 1954	Run Type:	RA	Final Weight/Volume:	5 mL
Date Prepared:	03/10/2011 1954				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromoethane		3.2	U	3.2	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		30 - 126
Dibromofluoromethane	98		30 - 140
Toluene-d8 (Surr)	99		42 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8270D Semivolatile Organic Compounds (GC/MS)

Method:	8270D	Analysis Batch: 700-97610		Instrument ID:	SMD
Preparation:	3550C	Prep Batch: 700-97485		Lab File ID:	D030908.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/09/2011 1102			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		23	U	23	68
1,2-Dichlorobenzene		37	U	37	68
1,3-Dinitrobenzene		68	U	68	68
1,4-Dichlorobenzene		14	U	14	68
2,4-Dimethylphenol		56	U	56	68
2-Methylphenol		60	U	60	68
3 & 4 Methylphenol		37	U	37	68
Benzoic acid		33	U	33	350
Benzyl alcohol		37	U	37	68
Bis(2-ethylhexyl) phthalate		49	U	49	68
Butyl benzyl phthalate		37	U	37	68
Diethyl phthalate		37	U	37	68
Dimethyl phthalate		43	U	43	68
Di-n-butyl phthalate		35	U	35	68
Di-n-octyl phthalate		35	U	35	68
Hexachlorobenzene		37	U	37	68
Hexachlorobutadiene		27	U	27	68
Hexachloroethane		29	U	29	68
N-Nitrosodiphenylamine		37	U	37	68
Pentachlorophenol		29	U	29	350
Phenol		29	U	29	68

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81		5.0 - 130
2-Fluorobiphenyl	59		31 - 130
2-Fluorophenol (Surr)	67		10 - 128
Nitrobenzene-d5 (Surr)	62		35 - 130
Phenol-d5 (Surr)	70		29 - 130
Terphenyl-d14 (Surr)	89		37 - 149

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Method:	8270D LL	Analysis Batch: 700-97566		Instrument ID:	SMB
Preparation:	3550C	Prep Batch: 700-97485		Lab File ID:	B030719.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2056			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		3.2	U	3.2	6.9
Acenaphthylene		1.9	U	1.9	6.9
Anthracene		4.5	U	4.5	6.9
Benzo[k]fluoranthene		2.7	U	2.7	6.9
Benzo[g,h,i]perylene		2.6	U	2.6	6.9
Benzo[b]fluoranthene		2.9	U	2.9	6.9
Benzo[a]pyrene		3.3	U	3.3	6.9
Benzo[a]anthracene		2.2	U	2.2	6.9
Chrysene		2.0	U	2.0	6.9
Dibenz(a,h)anthracene		4.2	U	4.2	6.9
Fluoranthene		1.9	U	1.9	6.9
Fluorene		2.9	U	2.9	6.9
Naphthalene		3.5	U	3.5	6.9
Phenanthrene		2.3	U	2.3	6.9
Pyrene		1.7	U	1.7	6.9
Indeno[1,2,3-cd]pyrene		3.1	U	3.1	6.9
2-Methylnaphthalene		2.0	U	2.0	6.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5 (Surr)	60		30 - 130
Terphenyl-d14 (Surr)	74		30 - 149
2-Fluorobiphenyl	48		31 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 700-97541		Instrument ID:	SGZ
Preparation:	3550C	Prep Batch: 700-97486		Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	03/07/2011 2009			Injection Volume:	2 uL
Date Prepared:	03/07/2011 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chlordane (technical)		1.5	U	1.5	17
beta-BHC		0.12	U	0.12	1.7
alpha-Chlordane		0.10	U	0.10	1.7
alpha-BHC		0.12	U	0.12	1.7
Aldrin		0.30	U	0.30	1.7
4,4'-DDT		0.56	U	0.56	3.4
4,4'-DDE		0.31	U	0.31	3.4
4,4'-DDD		0.35	U	0.35	3.4
2,4'-DDT		0.56	U	0.56	3.4
2,4'-DDE		0.31	U	0.31	3.4
2,4'-DDD		0.35	U	0.35	3.4
delta-BHC		0.26	U	0.26	1.7
Dieldrin		0.27	U	0.27	3.4
Endosulfan, alpha		0.12	U	0.12	1.7
Endosulfan, beta		0.40	U	0.40	3.4
Endosulfan sulfate		0.35	U	0.35	3.4
Endrin		0.39	U	0.39	3.4
Endrin aldehyde		0.39	U	0.39	3.4
Endrin ketone		0.31	U	0.31	3.4
gamma-BHC (Lindane)		0.11	U	0.11	1.7
gamma-Chlordane		0.10	U	0.10	1.7
Heptachlor		0.20	U	0.20	1.7
Heptachlor epoxide		0.13	U	0.13	1.7
Methoxychlor		0.29	U	0.29	17
Mirex		17	U	17	17
Toxaphene		11	U	11	170
cis-Nonachlor		1.7	U	1.7	1.7
oxy-Chlordane		1.7	U	1.7	1.7
trans-Nonachlor		1.7	U	1.7	1.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		30 - 150
Tetrachloro-m-xylene	45		30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Method:	8081B/8082A	Analysis Batch: 700-97541		Instrument ID:	SGZ
Preparation:	3550C	Prep Batch: 700-97486		Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	03/07/2011 2327			Injection Volume:	2 uL
Date Prepared:	03/07/2011 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		3.1	U	3.1	34
PCB-1221		1.9	U	1.9	69
PCB-1232		3.8	U	3.8	34
PCB-1242		2.9	U	2.9	34
PCB-1248		4.4	U	4.4	34
PCB-1254		3.2	U	3.2	34
PCB-1260		2.7	U	2.7	34

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54		30 - 150
Tetrachloro-m-xylene	40		30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 700-97587		Instrument ID:	SGY
Preparation:	8151A	Prep Batch: 700-97580		Initial Weight/Volume:	50.0 g
Dilution:	4.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	03/08/2011 2004			Injection Volume:	0.5 uL
Date Prepared:	03/07/2011 1500			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-T		1.4	U *	1.4	8.5
2,4-D		3.0	U	3.0	8.5
2,4-DB		4.9	U	4.9	8.5
Dalapon		0.95	U	0.95	2100
Dicamba		1.6	U	1.6	21
Dichlorprop		1.4	U	1.4	100
Dinoseb		1.6	U	1.6	100
MCPA		49	U	49	2100
MCPP		95	U	95	2100
Silvex (2,4,5-TP)		1.8	U	1.8	8.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	96		10 - 135

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 10
Date Analyzed: 03/07/2011 2053
Date Prepared: 03/04/2011 0912

Analysis Batch: 700-97462
Prep Batch: 700-97388

Instrument ID: ICPMS
Lab File ID: 0306173.D#.raw
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Ag		0.022	J	0.0083	0.083
As		2.5		0.091	0.42
Cd		0.17	U	0.17	0.42
Cr		7.1		0.16	0.42
Ni		7.8	B	0.13	0.42
Pb		13		0.061	0.21
Sb		0.13	J	0.10	0.42
Zn		14		1.7	3.3

Method: 6020
Preparation: 3050B
Dilution: 10
Date Analyzed: 03/15/2011 1655
Date Prepared: 03/14/2011 1230

Analysis Batch: 700-97860
Prep Batch: 700-97756

Instrument ID: ICPMS
Lab File ID: 0315025.D#.raw
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Cu		10		0.32	0.80

Method: 6020
Preparation: 3050B
Dilution: 10
Date Analyzed: 03/16/2011 1522
Date Prepared: 03/14/2011 1230

Analysis Batch: 700-97860
Prep Batch: 700-97756

Instrument ID: ICPMS
Lab File ID: 0315149.D#.raw
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Al		5700		3.4	4.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/08/2011 1452
Date Prepared: 03/08/2011 1115

Analysis Batch: 700-97505
Prep Batch: 700-97558

Instrument ID: LEEMAN HYDRA
Lab File ID: 03072011.CSV
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 40 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.020		0.012	0.013

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

General Chemistry

Client Sample ID: **GCLI 1-4 Composite**

Lab Sample ID: 700-56190-5
Client Matrix: Solid

Date Sampled: 03/01/2011 1310
Date Received: 03/03/2011 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-97376	Date Analyzed: 03/03/2011 1717						DryWt Corrected: N
Percent Solids	97		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-97376	Date Analyzed: 03/03/2011 1717						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Section	Qualifier	Description
GC/MS VOA		
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
700-56190-5	GCLI 1-4 Composite	100	98	102
700-56190-5 RA	GCLI 1-4 Composite RA	96	98	99
MB 700-97550/6		101	101	101
MB 700-97687/14		97	99	102
LCS 700-97550/4		99	101	101
LCS 700-97687/12		97	96	101
LCSD 700-97550/5		100	101	104
LCSD 700-97687/13		97	99	102
700-56190-5 MS	GCLI 1-4 Composite MS	95	98	101
700-56190-5 MSD	GCLI 1-4 Composite MSD	96	95	103

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	30-126
DBFM = Dibromofluoromethane	30-140
TOL = Toluene-d8 (Surr)	42-130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
MRL 700-97550/3		98	102	100

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	50-150
DBFM = Dibromofluoromethane	50-150
TOL = Toluene-d8 (Surr)	50-150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
700-56190-5	GCLI 1-4 Composite	81	59	67	62	70	89
MB 700-97485/1-A		84	72	75	78	80	91
LCS 700-97485/2-A		94	74	81	80	84	88
LCSD 700-97485/3-A		84	70	67	75	78	82
700-56190-5 MS	GCLI 1-4 Composite MS	71	55	55	56	67	79
700-56190-5 MSD	GCLI 1-4 Composite MSD	71	51	58	54	65	79

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	5.0-130
FBP = 2-Fluorobiphenyl	31-130
2FP = 2-Fluorophenol (Surr)	10-128
NBZ = Nitrobenzene-d5 (Surr)	35-130
PHL = Phenol-d5 (Surr)	29-130
TPH = Terphenyl-d14 (Surr)	37-149

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	TPH %Rec	FBP %Rec
700-56190-5	GCLI 1-4 Composite	60	74	48
MB 700-97485/1-A		84	83	68
LCS 700-97485/2-A		72	62	68
LCSD 700-97485/3-A		82	82	69
700-56190-5 MS	GCLI 1-4 Composite MS	66	73	50
700-56190-5 MSD	GCLI 1-4 Composite MSD	62	78	51

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5 (Surr)	30-130
TPH = Terphenyl-d14 (Surr)	30-149
FBP = 2-Fluorobiphenyl	31-130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	TPH %Rec	FBP %Rec
MRL 700-97566/3		103	89	91

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5 (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150
FBP = 2-Fluorobiphenyl	50-150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB2 %Rec	TCX2 %Rec
700-56190-5	GCLI 1-4 Composite	55	45
700-56190-5	GCLI 1-4 Composite	54	40
MB 700-97486/1-A		59	43
LCS 700-97486/3-A		57	43
LCS 700-97486/5-A		55	38
LCSD 700-97486/4-A		54	38
LCSD 700-97486/6-A		57	45
700-56190-5 MS	GCLI 1-4 Composite MS	57	44
700-56190-5 MS	GCLI 1-4 Composite MS	54	43
700-56190-5 MSD	GCLI 1-4 Composite MSD	54	42
700-56190-5 MSD	GCLI 1-4 Composite MSD	55	41

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150
TCX = Tetrachloro-m-xylene	30-150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCPA2 %Rec
700-56190-5	GCLI 1-4 Composite	96
MB 700-97580/1-A		68
LCS 700-97580/2-A		70
LCSD 700-97580/3-A		88
700-56190-5 MS	GCLI 1-4 Composite MS	95
700-56190-5 MSD	GCLI 1-4 Composite MSD	92

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	10-135

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97550

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-97550/6	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G030706.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1458			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1458				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	1.2	U	1.2	5.0
1,1,1-Trichloroethane	1.5	U	1.5	5.0
1,1,2,2-Tetrachloroethane	1.7	U	1.7	5.0
1,1,2-Trichloroethane	1.2	U	1.2	5.0
1,1-Dichloroethane	1.0	U	1.0	5.0
1,1-Dichloroethene	1.3	U	1.3	5.0
1,1-Dichloropropene	1.4	U	1.4	5.0
1,2,3-Trichlorobenzene	2.0	U	2.0	5.0
1,2,3-Trichloropropane	2.6	U	2.6	5.0
1,2,4-Trimethylbenzene	0.66	U	0.66	5.0
1,2-Dibromo-3-Chloropropane	3.0	U	3.0	10
1,2-Dichloroethane	2.0	U	2.0	5.0
1,2-Dichloropropane	1.2	U	1.2	5.0
1,3,5-Trimethylbenzene	0.60	U	0.60	5.0
1,3-Dichloropropane	1.3	U	1.3	5.0
1,4-Dichlorobenzene	0.82	U	0.82	5.0
2,2-Dichloropropane	1.4	U	1.4	5.0
2-Butanone (MEK)	11	U	11	25
2-Chlorotoluene	1.1	U	1.1	5.0
2-Hexanone	11	U	11	25
4-Chlorotoluene	0.74	U	0.74	5.0
4-Isopropyltoluene	1.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)	11	U	11	25
Acetone	5.1	U	5.1	50
Benzene	1.1	U	1.1	5.0
Bromobenzene	1.8	U	1.8	5.0
Bromoform	1.1	U	1.1	5.0
Bromomethane	3.6	U	3.6	10
Carbon disulfide	1.47	J	0.78	5.0
Carbon tetrachloride	1.4	U	1.4	5.0
Chlorobenzene	1.1	U	1.1	5.0
Chlorobromomethane	1.2	U	1.2	5.0
Chlorodibromomethane	1.2	U	1.2	5.0
Chloroethane	1.5	U	1.5	10
Chloroform	0.82	U	0.82	5.0
Chloromethane	2.3	U	2.3	10
cis-1,2-Dichloroethene	0.96	U	0.96	5.0
cis-1,3-Dichloropropene	1.0	U	1.0	5.0
Dibromomethane	0.34	U	0.34	5.0
Dichlorobromomethane	1.2	U	1.2	5.0
Dichlorodifluoromethane	1.2	U	1.2	5.0
Ethylbenzene	1.8	U	1.8	5.0
Ethylene Dibromide	1.2	U	1.2	5.0

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97550

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-97550/6	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G030706.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1458			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1458				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	0.78	U	0.78	5.0
Methyl tert-butyl ether	3.2	U	3.2	50
Methylene Chloride	1.6	U	1.6	5.0
m-Xylene & p-Xylene	0.74	U	0.74	10
Naphthalene	3.5	U	3.5	5.0
n-Butylbenzene	1.3	U	1.3	5.0
N-Propylbenzene	0.56	U	0.56	5.0
o-Xylene	0.60	U	0.60	5.0
sec-Butylbenzene	0.69	U	0.69	5.0
Styrene	0.61	U	0.61	5.0
tert-Butylbenzene	0.68	U	0.68	5.0
Tetrachloroethene	0.90	U	0.90	5.0
Toluene	1.0	U	1.0	5.0
trans-1,2-Dichloroethene	0.99	U	0.99	5.0
trans-1,3-Dichloropropene	0.97	U	0.97	5.0
Trichloroethene	0.90	U	0.90	5.0
Trichlorofluoromethane	1.3	U	1.3	5.0
Vinyl chloride	1.6	U	1.6	10
Xylenes, Total	1.3	U	1.3	10

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	30 - 126
Dibromofluoromethane	101	30 - 140
Toluene-d8 (Surr)	101	42 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Reporting Limit Check - Batch: 700-97550

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-97550/3	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G030703.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1325			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1325				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,2-Dichloropropane	1.00	2.01	201	50 - 150	J ^
Bromoform	1.00	2.17	217	50 - 150	J ^
Bromomethane	1.00	3.6	151	50 - 150	U ^
Chloroethane	1.00	1.5	92	50 - 150	U
Chloromethane	1.00	2.3	99	50 - 150	U
Dichlorodifluoromethane	1.00	1.2	91	50 - 150	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	50 - 150
Dibromofluoromethane	102	50 - 150
Toluene-d8 (Surr)	100	50 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97550

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-97550/4	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch: N/A		Lab File ID:	G030704.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1356			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1356				

LCSD Lab Sample ID:	LCSD 700-97550/5	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch: N/A		Lab File ID:	G030705.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1427			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1427				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	94	97	64 - 130	4	54		
1,1,2,2-Tetrachloroethane	93	97	38 - 154	4	28		
1,1,2-Trichloroethane	96	100	50 - 143	4	27		
1,1-Dichloroethane	88	90	56 - 148	3	38		
1,1-Dichloroethene	90	88	48 - 154	2	46		
1,2-Dichloroethane	90	96	58 - 147	7	25		
1,2-Dichloropropane	92	94	63 - 134	3	27		
1,4-Dichlorobenzene	100	96	49 - 139	4	36		
2-Hexanone	88	89	40 - 151	2	32		
4-Methyl-2-pentanone (MIBK)	81	83	42 - 159	3	37		
Acetone	119	121	23 - 150	2	28		
Benzene	85	88	69 - 137	3	42		
Bromoform	104	106	42 - 144	1	24		
Bromomethane	109	105	10 - 203	4	79		
Carbon disulfide	130	131	50 - 150	1	68		
Carbon tetrachloride	102	102	50 - 150	1	59		
Chlorobenzene	89	93	70 - 138	4	34		
Chlorodibromomethane	106	109	50 - 137	3	22		
Chloroethane	91	92	37 - 160	1	51		
Chloroform	92	93	65 - 136	1	38		
Chloromethane	81	81	44 - 145	0	53		
cis-1,2-Dichloroethene	78	80	50 - 150	3	37		
cis-1,3-Dichloropropene	94	95	50 - 150	1	30		
Dichlorobromomethane	100	105	50 - 150	4	33		
Dichlorodifluoromethane	76	76	70 - 130	0	30		
Ethylbenzene	79	81	72 - 123	3	44		
Methyl tert-butyl ether	86	90	70 - 130	5	30	J	J
Methylene Chloride	94	95	58 - 138	2	32		
m-Xylene & p-Xylene	65	67	50 - 150	3	43		
o-Xylene	85	88	50 - 150	4	32		
Styrene	89	89	60 - 132	1	45		
Tetrachloroethene	94	96	61 - 141	2	44		
Toluene	81	85	66 - 141	4	32		
trans-1,2-Dichloroethene	93	92	73 - 129	1	56		

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97550

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-97550/4	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G030704.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1356			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1356				

LCSD Lab Sample ID:	LCSD 700-97550/5	Analysis Batch:	700-97550	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G030705.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/07/2011 1427			Final Weight/Volume:	5 mL
Date Prepared:	03/07/2011 1427				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,3-Dichloropropene	92	95	56 - 140	3	50		
Trichloroethene	93	96	68 - 138	3	34		
Trichlorofluoromethane	94	93	70 - 130	1	30		
Vinyl chloride	95	97	54 - 156	2	65		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	100	30 - 126
Dibromofluoromethane	101	101	30 - 140
Toluene-d8 (Surr)	101	104	42 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97550

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-97550/4	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97550/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/07/2011 1356			Date Analyzed:	03/07/2011 1427
Date Prepared:	03/07/2011 1356			Date Prepared:	03/07/2011 1427

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1,1-Trichloroethane	25.0	25.0	23.4		24.2	
1,1,2,2-Tetrachloroethane	25.0	25.0	23.3		24.2	
1,1,2-Trichloroethane	25.0	25.0	23.9		25.0	
1,1-Dichloroethane	25.0	25.0	22.0		22.5	
1,1-Dichloroethene	25.0	25.0	22.4		22.0	
1,2-Dichloroethane	25.0	25.0	22.5		24.0	
1,2-Dichloropropane	25.0	25.0	23.0		23.6	
1,4-Dichlorobenzene	25.0	25.0	24.9		24.1	
2-Hexanone	100	100	87.8		89.3	
4-Methyl-2-pentanone (MIBK)	100	100	80.6		83.4	
Acetone	100	100	119		121	
Benzene	25.0	25.0	21.3		22.0	
Bromoform	25.0	25.0	26.1		26.4	
Bromomethane	25.0	25.0	27.2		26.3	
Carbon disulfide	100	100	130		131	
Carbon tetrachloride	25.0	25.0	25.4		25.5	
Chlorobenzene	25.0	25.0	22.3		23.2	
Chlorodibromomethane	25.0	25.0	26.5		27.2	
Chloroethane	25.0	25.0	22.7		23.0	
Chloroform	25.0	25.0	22.9		23.2	
Chloromethane	25.0	25.0	20.3		20.2	
cis-1,2-Dichloroethene	25.0	25.0	19.5		20.0	
cis-1,3-Dichloropropene	25.0	25.0	23.5		23.7	
Dichlorobromomethane	25.0	25.0	25.1		26.2	
Dichlorodifluoromethane	25.0	25.0	19.1		19.0	
Ethylbenzene	25.0	25.0	19.7		20.2	
Methyl tert-butyl ether	25.0	25.0	21.4	J	22.5	J
Methylene Chloride	25.0	25.0	23.5		23.9	
m-Xylene & p-Xylene	50.0	50.0	32.6		33.5	
o-Xylene	25.0	25.0	21.2		22.0	
Styrene	25.0	25.0	22.1		22.3	
Tetrachloroethene	25.0	25.0	23.5		24.1	
Toluene	25.0	25.0	20.3		21.2	
trans-1,2-Dichloroethene	25.0	25.0	23.2		23.0	
trans-1,3-Dichloropropene	25.0	25.0	23.0		23.7	
Trichloroethene	25.0	25.0	23.2		23.9	
Trichlorofluoromethane	25.0	25.0	23.4		23.1	
Vinyl chloride	25.0	25.0	23.8		24.2	

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97687

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-97687/14	Analysis Batch:	700-97687	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G031015.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/10/2011 1852			Final Weight/Volume:	5 mL
Date Prepared:	03/10/2011 1852				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.3	U	1.3	5.0
Acetone	5.20	J	5.1	50
Benzene	1.1	U	1.1	5.0
Chlorobenzene	1.1	U	1.1	5.0
Toluene	1.0	U	1.0	5.0
Trichloroethene	0.90	U	0.90	5.0
Bromoethane	3.2	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	30 - 126
Dibromofluoromethane	99	30 - 140
Toluene-d8 (Surr)	102	42 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97687

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-97687/12	Analysis Batch:	700-97687	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G031013.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/10/2011 1750			Final Weight/Volume:	5 mL
Date Prepared:	03/10/2011 1750				

LCSD Lab Sample ID:	LCSD 700-97687/13	Analysis Batch:	700-97687	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G031014.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 mL
Date Analyzed:	03/10/2011 1821			Final Weight/Volume:	5 mL
Date Prepared:	03/10/2011 1821				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	84	82	48 - 154	2	46		
Acetone	90	88	23 - 150	2	28		
Benzene	84	82	69 - 137	3	42		
Chlorobenzene	90	85	70 - 138	5	34		
Toluene	78	75	66 - 141	5	32		
Trichloroethene	89	85	68 - 138	4	34		
Bromoethane	96	93	70 - 130	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	97	30 - 126
Dibromofluoromethane	96	99	30 - 140
Toluene-d8 (Surr)	101	102	42 - 130

Quality Control Results

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97687

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-97687/12	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97687/13
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/10/2011 1750			Date Analyzed:	03/10/2011 1821
Date Prepared:	03/10/2011 1750			Date Prepared:	03/10/2011 1821

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethene	25.0	25.0	21.0	20.5
Acetone	100	100	89.8	88.2
Benzene	25.0	25.0	21.1	20.4
Chlorobenzene	25.0	25.0	22.4	21.3
Toluene	25.0	25.0	19.6	18.7
Trichloroethene	25.0	25.0	22.2	21.3
Bromoethane	49.6	49.6	47.6	46.1

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97687

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	700-56190-5	Analysis Batch:	700-97687	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G031018.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Date Analyzed:	03/10/2011 2025			Final Weight/Volume:	5 mL
Date Prepared:	03/10/2011 2025				

MSD Lab Sample ID:	700-56190-5	Analysis Batch:	700-97687	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G031019.D
Dilution:	1.0			Initial Weight/Volume:	5.09 g
Date Analyzed:	03/10/2011 2056			Final Weight/Volume:	5 mL
Date Prepared:	03/10/2011 2056				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	87	87	48 - 154	1	46		
Acetone	93	54	23 - 168	9	28		
Benzene	89	87	69 - 137	2	42		
Chlorobenzene	95	92	70 - 138	3	34		
Toluene	84	83	66 - 141	0	32		
Trichloroethene	101	98	68 - 138	2	34		
Bromoethane	91	84	70 - 130	8	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	96	30 - 126
Dibromofluoromethane	98	95	30 - 140
Toluene-d8 (Surr)	101	103	42 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97687

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	700-56190-5	Units: ug/Kg	MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/10/2011 2025		Date Analyzed:	03/10/2011 2056
Date Prepared:	03/10/2011 2025		Date Prepared:	03/10/2011 2056

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethene	1.3	U	25.1	25.3	21.9	22.1
Acetone	340		100	101	430	392
Benzene	1.1	U	25.1	25.3	22.3	22.0
Chlorobenzene	1.1	U	25.1	25.3	23.9	23.2
Toluene	1.0	U	25.1	25.3	21.0	21.1
Trichloroethene	0.90	U	25.1	25.3	25.2	24.7
Bromoethane	3.2	U	49.8	50.2	45.4	42.0

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97485

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 700-97485/1-A	Analysis Batch:	700-97610	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	D030907.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/09/2011 1035			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	22	U	22	66
1,2-Dichlorobenzene	36	U	36	66
1,3-Dinitrobenzene	66	U	66	66
1,4-Dichlorobenzene	14	U	14	66
2,4-Dimethylphenol	54	U	54	66
2-Methylphenol	58	U	58	66
3 & 4 Methylphenol	36	U	36	66
Benzoic acid	32	U	32	340
Benzyl alcohol	36	U	36	66
Bis(2-ethylhexyl) phthalate	48	U	48	66
Butyl benzyl phthalate	36	U	36	66
Diethyl phthalate	36	U	36	66
Dimethyl phthalate	42	U	42	66
Di-n-butyl phthalate	34	U	34	66
Di-n-octyl phthalate	34	U	34	66
Hexachlorobenzene	36	U	36	66
Hexachlorobutadiene	26	U	26	66
Hexachloroethane	28	U	28	66
N-Nitrosodiphenylamine	36	U	36	66
Pentachlorophenol	28	U	28	340
Phenol	28	U	28	66

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	84	5.0 - 130
2-Fluorobiphenyl	72	31 - 130
2-Fluorophenol (Surr)	75	10 - 128
Nitrobenzene-d5 (Surr)	78	35 - 130
Phenol-d5 (Surr)	80	29 - 130
Terphenyl-d14 (Surr)	91	37 - 149

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97485

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97485/2-A	Analysis Batch:	700-97610	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	D030905.D
Dilution:	2.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/09/2011 0940			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 700-97485/3-A	Analysis Batch:	700-97610	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	D030906.D
Dilution:	2.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/09/2011 1007			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	74	69	34 - 130	6	22		
1,4-Dichlorobenzene	60	57	30 - 130	6	31		
Pentachlorophenol	55	53	34 - 133	3	55		
Phenol	71	69	32 - 130	3	39		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	94	84	5.0 - 130
2-Fluorobiphenyl	74	70	31 - 130
2-Fluorophenol (Surr)	81	67	10 - 128
Nitrobenzene-d5 (Surr)	80	75	35 - 130
Phenol-d5 (Surr)	84	78	29 - 130
Terphenyl-d14 (Surr)	88	82	37 - 149

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97485

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97485/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97485/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Date Analyzed:	03/09/2011 0940			Date Analyzed:	03/09/2011 1007
Date Prepared:	03/07/2011 0915			Date Prepared:	03/07/2011 0915

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	1670	1670	1230	1160
1,4-Dichlorobenzene	1670	1670	1000	945
Pentachlorophenol	3330	3330	1840	1780
Phenol	3330	3330	2370	2300

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97485

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Analysis Batch:	700-97610	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	D030909.D
Dilution:	5.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/09/2011 1129			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

MSD Lab Sample ID:	700-56190-5	Analysis Batch:	700-97610	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	D030910.D
Dilution:	5.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/09/2011 1157			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	54	50	34 - 130	7	22		
1,4-Dichlorobenzene	49	45	30 - 130	9	31		
Pentachlorophenol	24	20	34 - 133	18	55	J F	J F
Phenol	60	59	32 - 130	1	39		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71	71	5.0 - 130
2-Fluorobiphenyl	55	51	31 - 130
2-Fluorophenol (Surr)	55	58	10 - 128
Nitrobenzene-d5 (Surr)	56	54	35 - 130
Phenol-d5 (Surr)	67	65	29 - 130
Terphenyl-d14 (Surr)	79	79	37 - 149

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97485

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Units: ug/Kg		MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Date Analyzed:	03/09/2011 1129			Date Analyzed:	03/09/2011 1157
Date Prepared:	03/07/2011 0915			Date Prepared:	03/07/2011 0915

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,2,4-Trichlorobenzene	23	U	1720	1720	921		860	
1,4-Dichlorobenzene	14	U	1720	1720	839		769	
Pentachlorophenol	29	U	3430	3430	824	J F	690	J F
Phenol	29	U	3430	3430	2050		2030	

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97485

Method: 8270D LL
Preparation: 3550C

Lab Sample ID:	MB 700-97485/1-A	Analysis Batch:	700-97566	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	B030716.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 1922			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	3.1	U	3.1	6.7
Acenaphthylene	1.8	U	1.8	6.7
Anthracene	4.4	U	4.4	6.7
Benzo[k]fluoranthene	2.6	U	2.6	6.7
Benzo[g,h,i]perylene	2.5	U	2.5	6.7
Benzo[b]fluoranthene	2.8	U	2.8	6.7
Benzo[a]pyrene	3.2	U	3.2	6.7
Benzo[a]anthracene	2.1	U	2.1	6.7
Chrysene	1.9	U	1.9	6.7
Dibenz(a,h)anthracene	4.1	U	4.1	6.7
Fluoranthene	1.8	U	1.8	6.7
Fluorene	2.8	U	2.8	6.7
Naphthalene	3.4	U	3.4	6.7
Phenanthrene	2.2	U	2.2	6.7
Pyrene	1.7	U	1.7	6.7
Indeno[1,2,3-cd]pyrene	3.0	U	3.0	6.7
2-Methylnaphthalene	1.9	U	1.9	6.7

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	84	30 - 130
Terphenyl-d14 (Surr)	83	30 - 149
2-Fluorobiphenyl	68	31 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97485

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97485/2-A	Analysis Batch:	700-97566	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	B030717.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 1953			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 700-97485/3-A	Analysis Batch:	700-97566	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	B030718.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2024			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	60	65	34 - 134	7	49		
Acenaphthylene	49	52	44 - 140	6	48		
Anthracene	64	67	44 - 126	5	27		
Benzo[k]fluoranthene	55	64	30 - 147	16	48		
Benzo[g,h,i]perylene	51	55	32 - 133	8	50		
Benzo[b]fluoranthene	65	73	34 - 138	12	51		
Benzo[a]pyrene	64	76	30 - 132	16	55		
Benzo[a]anthracene	65	67	39 - 134	3	43		
Dibenz(a,h)anthracene	52	65	32 - 134	21	50		
Fluoranthene	71	77	39 - 139	8	50		
Fluorene	54	65	41 - 130	18	50		
Naphthalene	48	49	26 - 140	3	34		
Phenanthrene	66	69	45 - 129	4	30		
Pyrene	57	75	32 - 130	27	42		
Indeno[1,2,3-cd]pyrene	54	66	26 - 140	21	50		
2-Methylnaphthalene	51	56	36 - 140	10	63		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	72	82	30 - 130
Terphenyl-d14 (Surr)	62	82	30 - 149
2-Fluorobiphenyl	68	69	31 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97485

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97485/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97485/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Date Analyzed:	03/07/2011 1953			Date Analyzed:	03/07/2011 2024
Date Prepared:	03/07/2011 0915			Date Prepared:	03/07/2011 0915

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acenaphthene	2330	2330	1410	1520
Acenaphthylene	667	667	327	347
Anthracene	667	667	425	448
Benzo[k]fluoranthene	667	667	364	428
Benzo[g,h,i]perylene	667	667	338	366
Benzo[b]fluoranthene	667	667	433	490
Benzo[a]pyrene	667	667	427	504
Benzo[a]anthracene	667	667	431	446
Dibenz(a,h)anthracene	667	667	349	431
Fluoranthene	667	667	473	512
Fluorene	667	667	363	434
Naphthalene	667	667	317	326
Phenanthrene	667	667	442	459
Pyrene	2330	2330	1330	1750
Indeno[1,2,3-cd]pyrene	667	667	360	442
2-Methylnaphthalene	667	667	338	372

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97485

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Analysis Batch:	700-97566	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	B030720.D
Dilution:	5.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2127			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

MSD Lab Sample ID:	700-56190-5	Analysis Batch:	700-97566	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-97485	Lab File ID:	B030721.D
Dilution:	5.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2158			Final Weight/Volume:	1.0 mL
Date Prepared:	03/07/2011 0915			Injection Volume:	1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	55	55	34 - 134	1	49		
Acenaphthylene	43	43	44 - 140	2	48	F	F
Anthracene	67	69	44 - 126	3	27		
Benzo[k]fluoranthene	57	60	30 - 147	5	48		
Benzo[g,h,i]perylene	53	55	32 - 133	3	50		
Benzo[b]fluoranthene	75	78	34 - 138	4	51		
Benzo[a]pyrene	72	75	30 - 132	4	55		
Benzo[a]anthracene	65	69	39 - 134	6	43		
Dibenz(a,h)anthracene	60	64	32 - 134	5	50		
Fluoranthene	74	76	39 - 139	3	50		
Fluorene	59	59	41 - 130	0	50		
Naphthalene	36	35	26 - 140	3	34		
Phenanthrene	64	67	45 - 129	4	30		
Pyrene	72	76	32 - 130	6	42		
Indeno[1,2,3-cd]pyrene	62	65	26 - 140	5	50		
2-Methylnaphthalene	39	40	36 - 140	1	63		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	66	62	30 - 130
Terphenyl-d14 (Surr)	73	78	30 - 149
2-Fluorobiphenyl	50	51	31 - 130

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97485

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Units: ug/Kg	MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	5.0		Dilution:	5.0
Date Analyzed:	03/07/2011 2127		Date Analyzed:	03/07/2011 2158
Date Prepared:	03/07/2011 0915		Date Prepared:	03/07/2011 0915

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	3.2	U	2400	2400	1330		1320	
Acenaphthylene	1.9	U	686	686	292	F	297	F
Anthracene	4.5	U	686	686	460		475	
Benzo[k]fluoranthene	2.7	U	686	686	394		414	
Benzo[g,h,i]perylene	2.6	U	686	686	366		378	
Benzo[b]fluoranthene	2.9	U	686	686	516		534	
Benzo[a]pyrene	3.3	U	686	686	493		513	
Benzo[a]anthracene	2.2	U	686	686	448		475	
Dibenz(a,h)anthracene	4.2	U	686	686	415		437	
Fluoranthene	1.9	U	686	686	510		524	
Fluorene	2.9	U	686	686	406		405	
Naphthalene	3.5	U	686	686	246		240	
Phenanthrene	2.3	U	686	686	441		460	
Pyrene	1.7	U	2400	2400	1730		1830	
Indeno[1,2,3-cd]pyrene	3.1	U	686	686	426		448	
2-Methylnaphthalene	2.0	U	686	686	270		274	

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Reporting Limit Check - Batch: 700-97566

Method: 8270D LL
Preparation: N/A

Lab Sample ID:	MRL 700-97566/3	Analysis Batch:	700-97566	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B030715.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	
Date Analyzed:	03/07/2011 1850			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A			Injection Volume:	1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	200	193	97	50 - 150	
Acenaphthylene	200	165	83	50 - 150	
Anthracene	200	194	97	50 - 150	
Benzo[k]fluoranthene	200	149	74	50 - 150	
Benzo[g,h,i]perylene	200	110	55	50 - 150	
Benzo[b]fluoranthene	200	177	89	50 - 150	
Benzo[a]pyrene	200	149	75	50 - 150	
Benzo[a]anthracene	200	172	86	50 - 150	
Chrysene	200	208	104	50 - 150	
Dibenz(a,h)anthracene	200	111	56	50 - 150	
Fluoranthene	200	188	94	50 - 150	
Fluorene	200	170	85	50 - 150	
Naphthalene	200	123	62	50 - 150	
Phenanthrene	200	176	88	50 - 150	
Pyrene	200	183	92	50 - 150	
Indeno[1,2,3-cd]pyrene	200	124	62	50 - 150	
2-Methylnaphthalene	200	146	73	50 - 150	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	103	50 - 150
Terphenyl-d14 (Surr)	89	50 - 150
2-Fluorobiphenyl	91	50 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-97486/1-A	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030714.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 1829			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	1.5	U	1.5	17
beta-BHC	0.12	U	0.12	1.7
alpha-Chlordane	0.097	U	0.097	1.7
alpha-BHC	0.12	U	0.12	1.7
Aldrin	0.29	U	0.29	1.7
4,4'-DDT	0.54	U	0.54	3.3
4,4'-DDE	0.30	U	0.30	3.3
4,4'-DDD	0.34	U	0.34	3.3
2,4'-DDT	0.54	U	0.54	3.3
2,4'-DDE	0.30	U	0.30	3.3
2,4'-DDD	0.34	U	0.34	3.3
delta-BHC	0.25	U	0.25	1.7
Dieldrin	0.26	U	0.26	3.3
Endosulfan, alpha	0.12	U	0.12	1.7
Endosulfan, beta	0.39	U	0.39	3.3
Endosulfan sulfate	0.34	U	0.34	3.3
Endrin	0.38	U	0.38	3.3
Endrin aldehyde	0.38	U	0.38	3.3
Endrin ketone	0.30	U	0.30	3.3
gamma-BHC (Lindane)	0.11	U	0.11	1.7
gamma-Chlordane	0.10	U	0.10	1.7
Heptachlor	0.19	U	0.19	1.7
Heptachlor epoxide	0.13	U	0.13	1.7
Methoxychlor	0.28	U	0.28	17
Mirex	17	U	17	17
PCB-1016	3.0	U	3.0	33
Toxaphene	11	U	11	170
PCB-1221	1.8	U	1.8	67
PCB-1232	3.7	U	3.7	33
PCB-1242	2.8	U	2.8	33
PCB-1248	4.3	U	4.3	33
PCB-1254	3.1	U	3.1	33
PCB-1260	2.6	U	2.6	33
cis-Nonachlor	1.7	U	1.7	1.7
oxy-Chlordane	1.7	U	1.7	1.7
trans-Nonachlor	1.7	U	1.7	1.7

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	59	30 - 150
Tetrachloro-m-xylene	43	30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97486/3-A	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030715.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 1903			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-97486/4-A	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030716.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 1936			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
beta-BHC	62	57	12 - 148	7	40		
alpha-BHC	46	41	20 - 130	11	40		
Aldrin	44	41	25 - 130	7	38		
4,4'-DDT	93	101	24 - 148	8	30		
4,4'-DDE	47	44	20 - 130	6	30	J	J
4,4'-DDD	62	60	13 - 148	3	50		
delta-BHC	55	50	10 - 146	9	47		
Dieldrin	54	51	22 - 145	5	30		
Endosulfan, alpha	54	51	17 - 199	5	40		
Endosulfan, beta	49	47	10 - 146	3	65	J	J
Endosulfan sulfate	57	55	10 - 166	3	50		
Endrin	54	53	26 - 140	1	32		
Endrin aldehyde	58	55	14 - 135	6	86		
Endrin ketone	67	67	24 - 145	1	31		
gamma-BHC (Lindane)	48	44	20 - 130	8	37		
Heptachlor	59	55	19 - 139	7	38		
Heptachlor epoxide	57	54	38 - 130	5	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	57	54	30 - 150
Tetrachloro-m-xylene	43	38	30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97486/5-A	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030721.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2221			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-97486/6-A	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030722.D
Dilution:	5.0	Units:	ug/Kg	Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2254			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	51	57	33 - 130	12	44		
PCB-1260	67	74	39 - 134	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	55	57	30 - 150
Tetrachloro-m-xylene	38	45	30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97486/3-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97486/4-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Date Analyzed:	03/07/2011 1903			Date Analyzed:	03/07/2011 1936
Date Prepared:	03/07/2011 1000			Date Prepared:	03/07/2011 1000

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
beta-BHC	6.67	6.67	4.12		3.83	
alpha-BHC	6.67	6.67	3.05		2.72	
Aldrin	6.67	6.67	2.94		2.75	
4,4'-DDT	6.67	6.67	6.23		6.72	
4,4'-DDE	6.67	6.67	3.15	J	2.97	J
4,4'-DDD	6.67	6.67	4.11		4.00	
delta-BHC	6.67	6.67	3.65		3.32	
Dieldrin	6.67	6.67	3.57		3.40	
Endosulfan, alpha	6.67	6.67	3.60		3.42	
Endosulfan, beta	6.67	6.67	3.27	J	3.17	J
Endosulfan sulfate	6.67	6.67	3.81		3.69	
Endrin	6.67	6.67	3.59		3.54	
Endrin aldehyde	6.67	6.67	3.88		3.64	
Endrin ketone	6.67	6.67	4.50		4.46	
gamma-BHC (Lindane)	6.67	6.67	3.21		2.95	
Heptachlor	6.67	6.67	3.92		3.67	
Heptachlor epoxide	6.67	6.67	3.79		3.61	

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-97486/5-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97486/6-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Date Analyzed:	03/07/2011 2221			Date Analyzed:	03/07/2011 2254
Date Prepared:	03/07/2011 1000			Date Prepared:	03/07/2011 1000

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	333	333	169	190
PCB-1260	333	333	225	245

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030718.D
Dilution:	5.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2042			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	700-56190-5	Analysis Batch:	700-97541	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-97486	Lab File ID:	Z030719.D
Dilution:	5.0			Initial Weight/Volume:	30.0 g
Date Analyzed:	03/07/2011 2115			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1000			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
beta-BHC	62	57	12 - 148	8	40		
alpha-BHC	46	43	20 - 130	6	40		
Aldrin	47	43	25 - 130	8	38		
4,4'-DDT	110	115	24 - 148	4	30		
4,4'-DDE	53	47	20 - 130	11	30		J
4,4'-DDD	67	63	13 - 148	7	50		
delta-BHC	56	51	10 - 146	10	47		
Dieldrin	58	54	22 - 145	6	30		
Endosulfan, alpha	57	55	17 - 199	4	40		
Endosulfan, beta	51	47	10 - 146	8	65		J
Endosulfan sulfate	61	58	10 - 166	5	50		
Endrin	61	56	26 - 140	9	32		
Endrin aldehyde	58	54	14 - 135	7	86		
Endrin ketone	71	67	24 - 145	5	31		
gamma-BHC (Lindane)	49	46	20 - 130	7	37		
Heptachlor	63	59	19 - 139	7	38		
Heptachlor epoxide	59	54	38 - 130	9	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	57	54	30 - 150
Tetrachloro-m-xylene	44	42	30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Analysis Batch: 700-97541	Instrument ID: SGZ
Client Matrix:	Solid	Prep Batch: 700-97486	Lab File ID: Z030724.D
Dilution:	5.0		Initial Weight/Volume: 30.0 g
Date Analyzed:	03/08/2011 0000		Final Weight/Volume: 5.0 mL
Date Prepared:	03/07/2011 1000		Injection Volume: 2 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	700-56190-5	Analysis Batch: 700-97541	Instrument ID: SGZ
Client Matrix:	Solid	Prep Batch: 700-97486	Lab File ID: Z030725.D
Dilution:	5.0		Initial Weight/Volume: 30.0 g
Date Analyzed:	03/08/2011 0034		Final Weight/Volume: 5.0 mL
Date Prepared:	03/07/2011 1000		Injection Volume: 2 uL
			Column ID: PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	54	55	33 - 130	2	44		
PCB-1260	66	69	39 - 134	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	54	55	30 - 150
Tetrachloro-m-xylene	43	41	30 - 150

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Units: ug/Kg	MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	5.0		Dilution:	5.0
Date Analyzed:	03/07/2011 2042		Date Analyzed:	03/07/2011 2115
Date Prepared:	03/07/2011 1000		Date Prepared:	03/07/2011 1000

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
beta-BHC	0.12	U	6.86	6.86	4.28	3.94	
alpha-BHC	0.12	U	6.86	6.86	3.17	2.97	
Aldrin	0.30	U	6.86	6.86	3.21	2.97	
4,4'-DDT	0.56	U	6.86	6.86	7.56	7.86	
4,4'-DDE	0.31	U	6.86	6.86	3.62	3.25	J
4,4'-DDD	0.35	U	6.86	6.86	4.61	4.31	
delta-BHC	0.26	U	6.86	6.86	3.85	3.48	
Dieldrin	0.27	U	6.86	6.86	3.95	3.73	
Endosulfan, alpha	0.12	U	6.86	6.86	3.90	3.75	
Endosulfan, beta	0.40	U	6.86	6.86	3.53	3.25	J
Endosulfan sulfate	0.35	U	6.86	6.86	4.19	4.00	
Endrin	0.39	U	6.86	6.86	4.17	3.82	
Endrin aldehyde	0.39	U	6.86	6.86	3.98	3.71	
Endrin ketone	0.31	U	6.86	6.86	4.87	4.63	
gamma-BHC (Lindane)	0.11	U	6.86	6.86	3.39	3.15	
Heptachlor	0.20	U	6.86	6.86	4.29	4.02	
Heptachlor epoxide	0.13	U	6.86	6.86	4.06	3.73	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97486

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-56190-5	Units: ug/Kg	MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	5.0		Dilution:	5.0
Date Analyzed:	03/08/2011 0000		Date Analyzed:	03/08/2011 0034
Date Prepared:	03/07/2011 1000		Date Prepared:	03/07/2011 1000

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	3.1	U	343	343	184	188
PCB-1260	2.7	U	343	343	227	236

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97580

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 700-97580/1-A
Client Matrix: Solid
Dilution: 4.0
Date Analyzed: 03/08/2011 1922
Date Prepared: 03/07/2011 1500

Analysis Batch: 700-97587
Prep Batch: 700-97580
Units: ug/Kg

Instrument ID: SGY
Lab File ID: Y030807.D
Initial Weight/Volume: 50.0 g
Final Weight/Volume: 5.0 mL
Injection Volume: 0.5 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4,5-T	1.3	U	1.3	8.3
2,4-D	2.9	U	2.9	8.3
2,4-DB	4.8	U	4.8	8.3
Dalapon	0.92	U	0.92	2000
Dicamba	1.6	U	1.6	20
Dichlorprop	1.3	U	1.3	100
Dinoseb	1.6	U	1.6	100
MCPA	48	U	48	2000
MCPP	92	U	92	2000
Silvex (2,4,5-TP)	1.7	U	1.7	8.3

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	68	10 - 135

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97580

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-97580/2-A	Analysis Batch:	700-97587	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-97580	Lab File ID:	Y030805.D
Dilution:	4.0	Units:	ug/Kg	Initial Weight/Volume:	50.0 g
Date Analyzed:	03/08/2011 1757			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1500			Injection Volume:	0.5 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-97580/3-A	Analysis Batch:	700-97587	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-97580	Lab File ID:	Y030806.D
Dilution:	4.0	Units:	ug/Kg	Initial Weight/Volume:	50.0 g
Date Analyzed:	03/08/2011 1839			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1500			Injection Volume:	0.5 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-T	95	126	19 - 121	29	40		*
2,4-D	71	104	16 - 141	37	106		
2,4-DB	58	78	10 - 157	30	68		
Dalapon	26	59	10 - 271	79	190	J	J
Dicamba	85	114	11 - 133	29	50	J	
Dichlorprop	117	128	10 - 138	9	46	J	J
Dinoseb	21	30	10 - 190	35	312	J	J
MCPA	67	91	10 - 114	31	178	J	J
MCPP	77	103	10 - 108	29	109	J	
Silvex (2,4,5-TP)	80	103	29 - 120	25	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	70	88	10 - 135

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97580

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-97580/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-97580/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	4.0			Dilution:	4.0
Date Analyzed:	03/08/2011 1757			Date Analyzed:	03/08/2011 1839
Date Prepared:	03/07/2011 1500			Date Prepared:	03/07/2011 1500

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2,4,5-T	20.0	20.0	18.9		25.3	*
2,4-D	20.0	20.0	14.3		20.8	
2,4-DB	20.0	20.0	11.6		15.7	
Dalapon	20.0	20.0	5.10	J	11.8	J
Dicamba	20.0	20.0	16.9	J	22.7	
Dichlorprop	20.0	20.0	23.4	J	25.5	J
Dinoseb	20.0	20.0	4.21	J	5.97	J
MCPA	2000	2000	1330	J	1830	J
MCPP	2000	2000	1540	J	2060	
Silvex (2,4,5-TP)	20.0	20.0	16.0		20.6	

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97580

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-56190-5	Analysis Batch:	700-97587	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-97580	Lab File ID:	Y030809.D
Dilution:	4.0			Initial Weight/Volume:	50.0 g
Date Analyzed:	03/08/2011 2047			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1500			Injection Volume:	0.5 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	700-56190-5	Analysis Batch:	700-97587	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-97580	Lab File ID:	Y030810.D
Dilution:	4.0			Initial Weight/Volume:	50.0 g
Date Analyzed:	03/08/2011 2129			Final Weight/Volume:	5.0 mL
Date Prepared:	03/07/2011 1500			Injection Volume:	0.5 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4,5-T	100	124	27 - 168	21	59		
2,4-D	83	101	26 - 159	19	47		
2,4-DB	92	79	10 - 181	16	40		
Dalapon	36	29	1.0 - 213	23	40	J	J
Dicamba	117	114	29 - 145	3	40		
Dichlorprop	112	111	28 - 100	1	40	J F	J F
Dinoseb	35	27	1.0 - 130	28	50	J	J
MCPA	83	88	29 - 134	6	50	J	J
MCPP	97	96	13 - 157	0	50	J	J
Silvex (2,4,5-TP)	100	102	32 - 134	1	51		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	95	92	10 - 135

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97580

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-56190-5	Units: ug/Kg	MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	4.0		Dilution:	4.0
Date Analyzed:	03/08/2011 2047		Date Analyzed:	03/08/2011 2129
Date Prepared:	03/07/2011 1500		Date Prepared:	03/07/2011 1500

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2,4,5-T	1.4	U	20.6	20.6	20.6		25.6	
2,4-D	3.0	U	20.6	20.6	17.1		20.7	
2,4-DB	4.9	U	20.6	20.6	19.0		16.2	
Dalapon	0.95	U	20.6	20.6	7.48	J	5.91	J
Dicamba	1.6	U	20.6	20.6	24.0		23.4	
Dichlorprop	1.4	U	20.6	20.6	23.0	J F	22.9	J F
Dinoseb	1.6	U	20.6	20.6	7.25	J	5.48	J
MCPA	49	U	2060	2060	1710	J	1810	J
MCPP	95	U	2060	2060	1990	J	1990	J
Silvex (2,4,5-TP)	1.8	U	20.6	20.6	20.7		20.9	

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97388

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 700-97388/1-A
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/07/2011 2016
Date Prepared: 03/04/2011 0912

Analysis Batch: 700-97462
Prep Batch: 700-97388
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 0306169.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ag	0.010	U	0.010	0.10
As	0.11	U	0.11	0.50
Cd	0.20	U	0.20	0.50
Cr	0.19	U	0.19	0.50
Ni	0.424	J	0.16	0.50
Pb	0.074	U	0.074	0.25
Sb	0.12	U	0.12	0.50
Zn	2.0	U	2.0	4.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97388

Method: 6020
Preparation: 3050B

LCS Lab Sample ID: LCS 700-97388/2-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 03/07/2011 1652
Date Prepared: 03/04/2011 0912

Analysis Batch: 700-97462
Prep Batch: 700-97388
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 0306153.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 700-97388/3-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 03/07/2011 1711
Date Prepared: 03/04/2011 0912

Analysis Batch: 700-97462
Prep Batch: 700-97388
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 0306154.D#.raw
Initial Weight/Volume: 0.5 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ag	97	95	75 - 125	3	20		
As	96	94	75 - 125	2	20		
Cd	98	95	75 - 125	3	20		
Cr	100	97	75 - 125	3	20		
Cu	99	96	75 - 125	2	20		
Ni	101	98	75 - 125	3	20		
Pb	105	103	75 - 125	2	20		
Sb	98	96	75 - 125	3	20		
Zn	97	95	75 - 125	2	20		

Quality Control Results

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97388

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-97388/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-97388/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Date Analyzed:	03/07/2011 1652			Date Analyzed:	03/07/2011 1711
Date Prepared:	03/04/2011 0912			Date Prepared:	03/04/2011 0912

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ag	110	110	107	104
As	110	110	106	104
Cd	110	110	108	104
Cr	110	110	110	107
Cu	110	110	108	106
Ni	110	110	111	108
Pb	110	110	116	114
Sb	110	110	108	105
Zn	110	110	106	104

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97756

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 700-97756/1-A	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315024.D#.raw
Dilution:	10	Units:	mg/Kg	Initial Weight/Volume:	0.5 g
Date Analyzed:	03/15/2011 1647			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1230				

Analyte	Result	Qual	MDL	RL
Al	4.2	U ^	4.2	5.0
Cu	0.40	U	0.40	1.0

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97756

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-97756/2-A	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315030.D#.raw
Dilution:	20	Units:	mg/Kg	Initial Weight/Volume:	0.5 g
Date Analyzed:	03/15/2011 1735			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1230				

LCSD Lab Sample ID:	LCSD 700-97756/3-A	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315031.D#.raw
Dilution:	20	Units:	mg/Kg	Initial Weight/Volume:	0.5 g
Date Analyzed:	03/15/2011 1752			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1230				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Al	99	106	75 - 125	6	20	^	^
Cu	102	104	75 - 125	2	20		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97756

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-97756/2-A	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315154.D#.raw
Dilution:	20	Units:	ug/L	Initial Weight/Volume:	0.5 g
Date Analyzed:	03/16/2011 1601			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1230				

LCSD Lab Sample ID:	LCSD 700-97756/3-A	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315155.D#.raw
Dilution:	20	Units:	ug/L	Initial Weight/Volume:	0.5 g
Date Analyzed:	03/16/2011 1619			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1230				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Al	118	87	75 - 125	30	20		*

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97756

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-97756/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-97756/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Date Analyzed:	03/15/2011 1735			Date Analyzed:	03/15/2011 1752
Date Prepared:	03/14/2011 1230			Date Prepared:	03/14/2011 1230

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Al	110	110	109	^	116	^
Cu	110	110	112		114	

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97756

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-97756/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 700-97756/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Date Analyzed:	03/16/2011 1601			Date Analyzed:	03/16/2011 1619
Date Prepared:	03/14/2011 1230			Date Prepared:	03/14/2011 1230

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Al	110000	110000	130000	96200	*

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97756

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	700-56190-5	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315032.D#.raw
Dilution:	20			Initial Weight/Volume:	0.60 g
Date Analyzed:	03/15/2011 1810			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1227				

MSD Lab Sample ID:	700-56190-5	Analysis Batch:	700-97860	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-97756	Lab File ID:	0315033.D#.raw
Dilution:	20			Initial Weight/Volume:	0.59 g
Date Analyzed:	03/15/2011 1828			Final Weight/Volume:	50 mL
Date Prepared:	03/14/2011 1227				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Al	4397	7060	70 - 130	24	20	4	4 F
Cu	103	105	70 - 130	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-97756

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	700-56190-5	Units: mg/Kg		MSD Lab Sample ID:	700-56190-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Date Analyzed:	03/15/2011 1810			Date Analyzed:	03/15/2011 1828
Date Prepared:	03/14/2011 1227			Date Prepared:	03/14/2011 1227

	Sample	MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual	Amount	Amount	Result/Qual		Result/Qual	
Al	5700	94.4	96.0	9800	4	12400	4 F
Cu	11	94.4	96.0	108		111	

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Method Blank - Batch: 700-97558

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 700-97558/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1437
Date Prepared: 03/08/2011 1115

Analysis Batch: 700-97505
Prep Batch: 700-97558
Units: mg/Kg

Instrument ID: LEEMAN HYDRA
Lab File ID: 03072011.CSV
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.013

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-97558

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 700-97558/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1439
Date Prepared: 03/08/2011 1115

Analysis Batch: 700-97505
Prep Batch: 700-97558
Units: mg/Kg

Instrument ID: LEEMAN HYDRA
Lab File ID: 03072011.CSV
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 700-97558/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1441
Date Prepared: 03/08/2011 1115

Analysis Batch: 700-97505
Prep Batch: 700-97558
Units: mg/Kg

Instrument ID: LEEMAN HYDRA
Lab File ID: 03072011.CSV
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	114	109	80 - 120	4	20		

Client: USA Environment,LP

Job Number: 700-56190-1
Sdg Number: 700-56190-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-97558

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCS 700-97558/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-97558/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/08/2011 1439			Date Analyzed:	03/08/2011 1441
Date Prepared:	03/08/2011 1115			Date Prepared:	03/08/2011 1115

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.267	0.267	0.303	0.292

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

March 14, 2011

TestAmerica Project Number: G1C040583
PO/Contract: 700-56190

Suzy Lindblom
TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693

Dear Ms. Lindblom,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on March 4, 2011. This sample is associated with your 700-56190 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4340.

Sincerely,

Bryanna Vandenberg

Bryanna Vandenberg
Project Manager

880 Riverside Parkway West Sacramento, CA 95605 **tel** 916.373.5600 **fax** 916.372.1059 **www.testamericainc.com**

Table of Contents

TestAmerica West Sacramento Project Number G1C040583

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1613B, Dioxins/Furans
Sample: 1
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture
Sample: 1
- Sample Data Sheet
- Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G1C040583

General Comments

The sample was received at the lab at 0 degrees Celsius. Wet ice was used as cooling agent.

There were no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G1C040583

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
ME8DP	1	GCLI 1-4 Composite (700-56190-5)	3/1/2011 01:10 PM	3/4/2011 09:00 AM

Notes:

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as “ND” were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone (251) 666-6633 Fax (251) 666-6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lindblom, Suzy	Carrier Tracking No(s):	COC No: 700-11849.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: suzy.lindblom@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 700-56190-1
Address: 880 Riverside Parkway,	Due Date Requested: 4/1/2011			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel)	PO #:			
Email:	WO #:			
Project Name: Pesticides in Soils	Project #: 70004521			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT Diox											Total Number of containers	Special Instructions/Note:
			Preservation Code:																
GCLI 1-4 Composite (700-56190-5)	3/1/11	13:10 Central		Solid			X											1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/3/11	Company	Received by: Chong Chu	Date/Time: 03/04/11 - 0930	Company TAL WS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL - Mobile PM BU LOG # 69604

LOT# (QUANTIMS ID) G1C040583 QUOTE# 38630 LOCATION W23B

Checked (✓)

DATE RECEIVED 03/04/11 TIME RECEIVED 0900 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☐ CLIENT ☑

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) NA

COC #(S) 700-11849.1 ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 0 Average 0 Corrected Average 0

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER ☑

Initials: LV Date: 03/04/11

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☑ N/A ☑

☑ CLOUSEAU ☑ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☐ N/A

☑ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☑ PM NOTIFIED

Initials: LV Date: 03/04/11

Notes

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1C040583

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ	/																			
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 1613B, Dioxins/Furans

TestAmerica Mobile

Client Sample ID: GCLI 1-4 Composite (700-56190-5)

Trace Level Organic Compounds

Lot-Sample #...: G1C040583-001 **Work Order #...:** ME8DP1AE **Matrix.....:** SOLID
Date Sampled...: 03/01/11 **Date Received..:** 03/04/11
Prep Date.....: 03/07/11 **Analysis Date..:** 03/08/11
Prep Batch #...: 1066354
Dilution Factor: 1
Analyst ID.....: 005753 **Instrument ID..:** 9D5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.26	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.43	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.23	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.21	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.19	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.83	pg/g	EPA-5 1613B
OCDD	**8.8 J**		**pg/g**	**EPA-5 1613B**
2,3,7,8-TCDF	ND	0.39	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.52	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.54	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.25	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.23	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.24	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.32	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.20	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.21	pg/g	EPA-5 1613B
OCDF	ND	0.51	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(25 - 164)
13C-1,2,3,7,8-PeCDD	78	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	84	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	94	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	89	(23 - 140)
13C-OCDD	74	(17 - 157)
13C-2,3,7,8-TCDF	94	(24 - 169)
13C-1,2,3,7,8-PeCDF	83	(24 - 185)
13C-2,3,4,7,8-PeCDF	86	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	106	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	105	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	105	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	100	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	106	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	96	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	95	(35 - 197)

(Continued on next page)

TestAmerica Mobile

Client Sample ID: GCLI 1-4 Composite (700-56190-5)

Trace Level Organic Compounds

Lot-Sample #...: G1C040583-001 **Work Order #...:** ME8DP1AE **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

QC DATA ASSOCIATION SUMMARY

G1C040583

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1066354	
	SOLID	ASTM D 2216-90		1066363	1066201

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1C040583 **Work Order #...:** MFAC71AA **Matrix.....:** SOLID
MB Lot-Sample #: G1C070000-354

Prep Date.....: 03/07/11 **Instrument ID..:** 9D5
Analysis Date..: 03/08/11 **Prep Batch #...:** 1066354
Dilution Factor: 1

Analyst ID.....: 005753

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.33	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.49	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.25	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.23	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.20	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.19	pg/g	EPA-5 1613B
OCDD	ND	0.50	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.53	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.55	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.61	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.25	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.23	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.23	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.33	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.17	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.21	pg/g	EPA-5 1613B
OCDF	ND	0.35	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(25 - 164)
13C-1,2,3,7,8-PeCDD	83	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	90	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	86	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	93	(23 - 140)
13C-OCDD	82	(17 - 157)
13C-2,3,7,8-TCDF	91	(24 - 169)
13C-1,2,3,7,8-PeCDF	86	(24 - 185)
13C-2,3,4,7,8-PeCDF	85	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	98	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	98	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	97	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	108	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	101	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	95	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	89	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1C040583 **Work Order #...:** MFAC71AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1C070000-354
Prep Date.....: 03/07/11 **Analysis Date..:** 03/08/11
Prep Batch #...: 1066354
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 005753

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	101	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	100	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	104	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	101	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	99	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	104	(70 - 140)	EPA-5 1613B
OCDD	105	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	95	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	103	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	103	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	101	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	103	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	103	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	113	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	97	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	98	(78 - 138)	EPA-5 1613B
OCDF	116	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1C040583 **Work Order #...:** MFAC71AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1C070000-354

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(20 - 175)
13C-1,2,3,7,8-PeCDD	81	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	97	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	98	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	100	(26 - 166)
13C-OCDD	91	(13 - 199)
13C-2,3,7,8-TCDF	89	(22 - 152)
13C-1,2,3,7,8-PeCDF	84	(21 - 192)
13C-2,3,4,7,8-PeCDF	84	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	106	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	107	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	101	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	114	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	110	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	103	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	91	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1C040583 **Work Order #...:** MFAC71AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1C070000-354
Prep Date.....: 03/07/11 **Analysis Date..:** 03/08/11
Prep Batch #...: 1066354
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 005753

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	20.2	pg/g	101	EPA-5 1613B
1,2,3,7,8-PeCDD	100	99.6	pg/g	100	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	104	pg/g	104	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	101	pg/g	101	EPA-5 1613B
1,2,3,7,8,9-HxCDD	100	98.5	pg/g	99	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	100	104	pg/g	104	EPA-5 1613B
OCDD	200	210	pg/g	105	EPA-5 1613B
2,3,7,8-TCDF	20.0	19.1	pg/g	95	EPA-5 1613B
1,2,3,7,8-PeCDF	100	103	pg/g	103	EPA-5 1613B
2,3,4,7,8-PeCDF	100	103	pg/g	103	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	101	pg/g	101	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	103	pg/g	103	EPA-5 1613B
2,3,4,6,7,8-HxCDF	100	103	pg/g	103	EPA-5 1613B
1,2,3,7,8,9-HxCDF	100	113	pg/g	113	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	100	97.4	pg/g	97	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	100	97.8	pg/g	98	EPA-5 1613B
OCDF	200	233	pg/g	116	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1C040583 **Work Order #...:** MFAC71AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1C070000-354

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(20 - 175)
13C-1,2,3,7,8-PeCDD	81	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	97	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	98	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	100	(26 - 166)
13C-OCDD	91	(13 - 199)
13C-2,3,7,8-TCDF	89	(22 - 152)
13C-1,2,3,7,8-PeCDF	84	(21 - 192)
13C-2,3,4,7,8-PeCDF	84	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	106	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	107	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	101	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	114	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	110	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	103	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	91	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, Percent Moisture

TestAmerica Mobile

Client Sample ID: GCLI 1-4 Composite (700-56190-5)

General Chemistry

Lot-Sample #...: G1C040583-001 **Work Order #...:** ME8DP **Matrix.....:** SOLID
Date Sampled...: 03/01/11 **Date Received..:** 03/04/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	3.2	0.10	%	ASTM D 2216-90	03/07-03/08/11	1066363

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

QC DATA ASSOCIATION SUMMARY

G1C040583

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1066354	
	SOLID	ASTM D 2216-90		1066363	1066201

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G1C040583 **Work Order #...:** ME64T-SMP ME64T-DUP **Matrix.....:** SOLID

Date Sampled...: 03/03/11 **Date Received..:** 03/04/11

% Moisture.....: 10

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	G1C040426-001	
	10.2	10.8	%	5.3	(0-20)	ASTM D 2216-90	03/07-03/08/11	1066363

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

Serial Number

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Mobile

TA Mobile
900 Lakeside Drive
Mobile, AL 36693
www.testamericainc.com
Phone: (251) 666-6633
Fax: (251) 666-6696

Alternate Laboratory Name/Location:
Phone:
Fax:

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE) TX	PAGE / OF
(LAB) PROJECT MANAGER	P. O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE
CLIENT (SITE) PM: CESAR GARCIA	CLIENT PHONE: 832-641-0265	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE
CLIENT NAME: USA ENVIRONMENT	CLIENT EMAIL: CGARCIA@USAENVIRO.COM		
CLIENT ADDRESS: 10234 LUCOREST, HOUSTON, TX 77017			
COMPANY CONTRACTING THIS WORK (If applicable)	SAMPLER'S SIGNATURE		NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSES: SEE ATTACHED

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
03-01	12:59p	#1, GCLI	G		S				LEVEL 4 DATA PACKAGE NEEDED
03-01	1:05p	#2, GCLI	"		"				
03-01	1:15p	#3, GCLI	"		"				
03-01	1:10p	#4, GCLI	"		"				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Burt Monett	3-2	3-2-02	Burt Monett					
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
	3/10	9:10			700-56189	561903 3.4°C 5592 Non# 23476

Original - Return to Laboratory with Sample(s)

04/04/2011

	CONTACTOR SUBMITTAL	Date 4/18/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**21**

To:	**John LaPlante**	**References:**	Natural Stone - Chemistry
		Drawing/Spec:	
Subject:	**Natural Stone –Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Eastern Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the results of the third sample submitted for analysis on the natural stone from Gulf Coast limestone.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	4/18/11		

Reply:

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only
Comments:

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Cesar Garcia	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [illegible] Date: 05-05-11
Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone 3 (mg/kg)	Qualifier
Metals								
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	7100	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	0.17	J
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	3	
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.2	J
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	7.4	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	16	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	9.1	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.014	U
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	7.1	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.033	J
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	15	
Semivolatile Organic Compounds								
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.067	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.067	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	--	
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.067	U
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.067	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	--	
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.067	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.067	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.0068	U
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.0068	U
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.0068	U
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.0068	U
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.0068	U
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.0068	U
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.0068	U
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.0068	U
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.34	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.067	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.067	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.067	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.0068	U
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.0068	U
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.067	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.067	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.067	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.067	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.0068	U
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.0068	U
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.067	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.067	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.067	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.0068	U
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.0068	U
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.067	U
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.34	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.0068	U
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.067	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.0068	U
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.0048	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.0048	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.0048	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.0048	U

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Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone 3 (mg/kg)	Qualifier
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.0048	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.0048	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.0048	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.0048	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.0048	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.0048	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.0097	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.0048	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.0048	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.0048	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.0048	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.0048	U
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.0048	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.024	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.0048	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.024	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.0048	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.0048	U
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.024	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.021	J
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.0048	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.0048	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.0048	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.0048	U
Bromoethane	8260B	0.0100	NL	NL	NL		0.0048	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.0048	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.0097	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.0048	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.0048	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.0048	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.0097	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.0048	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.0097	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.0048	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.0048	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.0048	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.0048	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.0048	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.0048	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.0048	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.0048	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.0097	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.048	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.0037	J
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.0048	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.0048	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.0048	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.0048	U
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.0048	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.0048	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.0048	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.0048	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.0014	J
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.0048	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.0048	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.0048	U

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Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.0048	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.0097	U
Organochlorine Pesticides								
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.0033	U [7]
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.0033	U [7]
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.0033	U [7]
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.0017	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.0033	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.0017	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.0017	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.0017	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.0017	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.0017	U
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.0017	U
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.0017	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.0033	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.0033	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.0033	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.0033	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.0033	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.0017	U
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.0017	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.017	U
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.017	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0017	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.0017	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.17	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0017	U
Chlorinated Herbicides								
2,4,5-T	8151	0.020	NL	NL	--		0.0084	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0084	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	0.0084	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	2	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.02	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.1	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.1	U
MCPA	8151	1	1.2E-02	77	NL	0.01	2	U
MCPP	8151	1	2.3E-02	150	NL	0.02	2	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0084	U
Polychlorinated Biphenyls (PCBs)								
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.068	U
Dioxin/Furans, ng/kg								
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	0.4	U
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.91	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.52	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.47	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.42	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	0.6	U
OCDD	1613B	10	(3)	(3)	NL	(3)	1.8	U
Furans								
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	0.62	U
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	1.1	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	1.2	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.35	U

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Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Natural Stone 3 (mg/kg)	Qualifier
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.31	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.44	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.32	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.34	U
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.47	U
OCDF	1613B	10	(3)	(3)	NL	(3)	0.74	U
TEQ (U=1/2)							1.03	

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given

ANALYTICAL REPORT

Job Number: 700-56909-1

SDG Number: 700-56909-1

Job Description: San Jacinto Waste Pits

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Cesar Garcia

Approved for release.
Suzy Lindblom
Project Manager I
4/15/2011 4:43 PM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
04/15/2011

cc: Mr. Ed Fendley

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

TestAmerica Laboratories, Inc.
TestAmerica Mobile 900 Lakeside Drive, Mobile, AL 36693
Tel (251) 666-6633 Fax (251) 666-6696 www.testamericainc.com

Job Narrative
700-56909-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260C: The method blank for batch 98841 contained acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed.

Method(s) 8260C: The continuing calibration verification (CCV) for methacylonitrie recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 9841 recovered outside acceptance criteria, low biased, for Iodomethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D LL: The continuing calibration verification (CCV) associated with batch 98891 recovered outside acceptance criteria, low biased, for benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthtacene, and benzo(g,h,i)perylene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Only the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) were analyzed and met the criteria limits. Therefore, the data has been reported.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081B/8082A: Internal standard (ISTD) response for the following sample(s) was outside control limits: SS - 8 (700-56934-1), SS - 8 MS (700-56934-1 MS), SS - 8 MSD (700-56934-1 MSD). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8081B/8082A: there are two surrogates : One passed and one failed which is allowable in the Test America Mobile Quality Assurance Manual.

Method(s) 8081B/8082A: The surrogate Tetrachloro-m-xylene fail but surrogate DCB pass. TestAmerica Mobile Quality Assurance Manual allows data to be reported with one surrogate passing.

Method(s) 8081B/8082A: The (LCS and MS) and / or (LCSD and MSD) for batch 98622 exceeded control limits for the following analytes: 4,4-DDT and methoxyclor. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8151A: Surrogate recovery for the following sample(s) was outside the upper control limit: (MB 700-98601/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL MOB	SW846 8260C	
Purge and Trap	TAL MOB		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL MOB	SW846 8270D	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Semivolatile Organic Compounds by GC/MS - Low Level	TAL MOB	SW846 8270D LL	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Herbicides (GC)	TAL MOB	SW846 8151A	
Extraction (Herbicides)	TAL MOB		SW846 8151A
Metals (ICP/MS)	TAL MOB	SW846 6020	
Preparation, Metals	TAL MOB		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL MOB	SW846 7471B	
Preparation, Mercury	TAL MOB		SW846 7471B
Percent Moisture	TAL MOB	EPA Moisture	
EPA 1613B Dioxin	TAL WSC	EPA 1613B	

Lab References:

TAL MOB = TestAmerica Mobile

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method	Analyst	Analyst ID
SW846 8260C	Var, Kerry	KBV
SW846 8270D	Schellinger, Eron	ES
SW846 8270D LL	Polk, LanHuong N	LNP
SW846 8081B/8082A	Tran, Luther	LT
SW846 8151A	Tran, Luther	LT
SW846 6020	Thompson, Cheri D	CDT
SW846 7471B	Phothisat, Phukham N	PNP
EPA Moisture	Bolivar, Maria E	MEB

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-56909-5	Natural Stone Sample 1-4 Composite	Solid	03/29/2011 1100	03/30/2011 0830

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-98841	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G040616.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	04/06/2011 1631			Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1631				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		4.8	U	1.2	4.8
1,1,1-Trichloroethane		4.8	U	1.4	4.8
1,1,2,2-Tetrachloroethane		4.8	U	1.6	4.8
1,1,2-Trichloroethane		4.8	U	1.2	4.8
1,1-Dichloroethane		4.8	U	0.97	4.8
1,1-Dichloroethene		4.8	U	1.3	4.8
1,1-Dichloropropene		4.8	U	1.4	4.8
1,2,3-Trichlorobenzene		4.8	U	1.9	4.8
1,2,3-Trichloropropane		4.8	U	2.5	4.8
1,2,4-Trimethylbenzene		4.8	U	0.64	4.8
1,2-Dibromo-3-Chloropropane		9.7	U	2.9	9.7
1,2-Dichloroethane		4.8	U	1.9	4.8
1,2-Dichloropropane		4.8	U	1.2	4.8
1,3,5-Trimethylbenzene		4.8	U	0.58	4.8
1,3-Dichloropropane		4.8	U	1.3	4.8
1,4-Dichlorobenzene		4.8	U	0.79	4.8
2,2-Dichloropropane		4.8	U	1.4	4.8
2-Butanone (MEK)		24	U	11	24
2-Chlorotoluene		4.8	U	1.1	4.8
2-Hexanone		24	U	11	24
4-Chlorotoluene		4.8	U	0.71	4.8
4-Isopropyltoluene		4.8	U	0.97	4.8
4-Methyl-2-pentanone (MIBK)		24	U	11	24
Acetone		21	J B	4.9	48
Benzene		4.8	U	1.1	4.8
Bromobenzene		4.8	U	1.7	4.8
Bromoform		4.8	U	1.1	4.8
Bromomethane		9.7	U	3.5	9.7
Carbon disulfide		4.8	U	0.75	4.8
Carbon tetrachloride		4.8	U	1.4	4.8
Chlorobenzene		4.8	U	1.1	4.8
Chlorobromomethane		4.8	U	1.2	4.8
Chlorodibromomethane		4.8	U	1.2	4.8
Chloroethane		9.7	U	1.4	9.7
Chloroform		4.8	U	0.79	4.8
Chloromethane		9.7	U	2.2	9.7
cis-1,2-Dichloroethene		4.8	U	0.93	4.8
cis-1,3-Dichloropropene		4.8	U	0.97	4.8
Dibromomethane		4.8	U	0.33	4.8
Dichlorobromomethane		4.8	U	1.2	4.8
Dichlorodifluoromethane		4.8	U	1.2	4.8
Ethylbenzene		4.8	U	1.7	4.8
Ethylene Dibromide		4.8	U	1.2	4.8
Isopropylbenzene		4.8	U	0.75	4.8
Methyl tert-butyl ether		48	U	3.1	48
Methylene Chloride		3.7	J	1.5	4.8

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-98841	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G040616.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	04/06/2011 1631			Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1631				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		9.7	U	0.71	9.7
Naphthalene		4.8	U	3.4	4.8
n-Butylbenzene		4.8	U	1.3	4.8
N-Propylbenzene		4.8	U	0.54	4.8
o-Xylene		4.8	U	0.58	4.8
sec-Butylbenzene		4.8	U	0.67	4.8
Styrene		4.8	U	0.59	4.8
tert-Butylbenzene		4.8	U	0.66	4.8
Tetrachloroethene		4.8	U	0.87	4.8
Toluene		1.4	J	0.97	4.8
trans-1,2-Dichloroethene		4.8	U	0.96	4.8
trans-1,3-Dichloropropene		4.8	U	0.94	4.8
Trichloroethene		4.8	U	0.87	4.8
Trichlorofluoromethane		4.8	U	1.3	4.8
Vinyl chloride		9.7	U	1.5	9.7
Xylenes, Total		9.7	U	1.3	9.7
Bromoethane		4.8	U	3.1	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		30 - 126
Dibromofluoromethane	98		30 - 140
Toluene-d8 (Surr)	98		42 - 130

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	700-98755	Instrument ID:	SMC
Prep Method:	3550C	Prep Batch:	700-98662	Lab File ID:	C040530.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/06/2011 0525			Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		67	U	22	67
1,2-Dichlorobenzene		67	U	36	67
1,4-Dichlorobenzene		67	U	14	67
2,4-Dimethylphenol		67	U	55	67
2-Methylphenol		67	U	59	67
3 & 4 Methylphenol		67	U	36	67
Benzoic acid		340	U	32	340
Benzyl alcohol		67	U	36	67
Bis(2-ethylhexyl) phthalate		67	U	49	67
Butyl benzyl phthalate		67	U	36	67
Diethyl phthalate		67	U	36	67
Dimethyl phthalate		67	U	43	67
Di-n-butyl phthalate		67	U	34	67
Di-n-octyl phthalate		67	U	34	67
Hexachlorobenzene		67	U	36	67
Hexachlorobutadiene		67	U	26	67
Hexachloroethane		67	U	28	67
N-Nitrosodiphenylamine		67	U	36	67
Pentachlorophenol		340	U *	28	340
Phenol		67	U	28	67

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	52		5.0 - 130
2-Fluorobiphenyl	80		31 - 130
2-Fluorophenol (Surr)	64		10 - 128
Nitrobenzene-d5 (Surr)	63		35 - 130
Phenol-d5 (Surr)	63		29 - 130
Terphenyl-d14 (Surr)	79		37 - 149

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	700-98870	Instrument ID:	SMC
Prep Method:	3550C	Prep Batch:	700-98662	Lab File ID:	C040621.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/06/2011 1644			Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,3-Dinitrobenzene		67	U	67	67

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	58		5.0 - 130
2-Fluorobiphenyl	76		31 - 130
2-Fluorophenol (Surr)	0.7	X	10 - 128
Nitrobenzene-d5 (Surr)	0.8	X	35 - 130
Phenol-d5 (Surr)	64		29 - 130
Terphenyl-d14 (Surr)	80		37 - 149

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Analysis Method:	8270D LL	Analysis Batch:	700-98881	Instrument ID:	SMG
Prep Method:	3550C	Prep Batch:	700-98662	Lab File ID:	G040718.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/07/2011 1747			Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1-Methylnaphthalene		6.8	U	1.7	6.8
Acenaphthene		6.8	U	3.1	6.8
Acenaphthylene		6.8	U	1.8	6.8
Anthracene		6.8	U	4.5	6.8
Benzo[k]fluoranthene		6.8	U	2.6	6.8
Benzo[g,h,i]perylene		6.8	U	2.5	6.8
Benzo[b]fluoranthene		6.8	U	2.8	6.8
Benzo[a]pyrene		6.8	U	3.2	6.8
Benzo[a]anthracene		6.8	U	2.1	6.8
Chrysene		6.8	U	1.9	6.8
Dibenz(a,h)anthracene		6.8	U	4.2	6.8
Fluoranthene		6.8	U	1.8	6.8
Fluorene		6.8	U	2.8	6.8
Naphthalene		6.8	U	3.4	6.8
Phenanthrene		6.8	U	2.2	6.8
Pyrene		6.8	U	1.7	6.8
Indeno[1,2,3-cd]pyrene		6.8	U	3.0	6.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5 (Surr)	60		30 - 130
Terphenyl-d14 (Surr)	88		30 - 149
2-Fluorobiphenyl	67		31 - 130

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-98622	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/04/2011 2047			Injection Volume:	2 uL
Prep Date:	04/04/2011 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chlordane (technical)		17	U	1.5	17
beta-BHC		1.7	U	0.12	1.7
alpha-Chlordane		1.7	U	0.098	1.7
alpha-BHC		1.7	U	0.12	1.7
Aldrin		1.7	U	0.29	1.7
4,4'-DDT		3.3	U *	0.55	3.3
4,4'-DDE		3.3	U	0.30	3.3
4,4'-DDD		3.3	U	0.34	3.3
2,4'-DDT		3.3	U	0.55	3.3
2,4'-DDE		3.3	U	0.30	3.3
2,4'-DDD		3.3	U	0.34	3.3
delta-BHC		1.7	U	0.25	1.7
Dieldrin		3.3	U	0.26	3.3
Endosulfan, alpha		1.7	U	0.12	1.7
Endosulfan, beta		3.3	U	0.40	3.3
Endosulfan sulfate		3.3	U	0.34	3.3
Endrin		3.3	U	0.39	3.3
Endrin aldehyde		3.3	U	0.39	3.3
Endrin ketone		3.3	U	0.30	3.3
gamma-BHC (Lindane)		1.7	U	0.11	1.7
gamma-Chlordane		1.7	U	0.10	1.7
Heptachlor		1.7	U	0.19	1.7
Heptachlor epoxide		1.7	U	0.13	1.7
Methoxychlor		17	U *	0.28	17
Mirex		17	U	17	17
Toxaphene		170	U	11	170
cis-Nonachlor		1.7	U	1.7	1.7
oxy-Chlordane		1.7	U	1.7	1.7
trans-Nonachlor		1.7	U	1.7	1.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	40		30 - 150
Tetrachloro-m-xylene	30		30 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-98622	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/05/2011 0717			Injection Volume:	2 uL
Prep Date:	04/04/2011 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		33	U	3.0	33
PCB-1221		68	U	1.8	68
PCB-1232		33	U	3.7	33
PCB-1242		33	U	2.8	33
PCB-1248		33	U	4.4	33
PCB-1254		33	U	3.1	33
PCB-1260		33	U	2.6	33

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	700-98743	Instrument ID:	SGY
Prep Method:	8151A	Prep Batch:	700-98601	Initial Weight/Volume:	50.0 g
Dilution:	4.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/05/2011 2231			Injection Volume:	0.5 uL
Prep Date:	04/03/2011 0700			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-T		8.4	U	1.3	8.4
2,4-D		8.4	U	3.0	8.4
2,4-DB		8.4	U	4.9	8.4
Dalapon		2000	U	0.93	2000
Dicamba		20	U	1.6	20
Dichlorprop		100	U	1.3	100
Dinoseb		100	U	1.6	100
MCPA		2000	U	49	2000
MCPP		2000	U	93	2000
Silvex (2,4,5-TP)		8.4	U	1.7	8.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	25		10 - 135

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid
% Moisture: 1.3

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	700-98655	Instrument ID:	ICPMS
Prep Method:	3050B	Prep Batch:	700-98542	Lab File ID:	0404105.D#.raw
Dilution:	10			Initial Weight/Volume:	0.92 g
Analysis Date:	04/05/2011 0930			Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Ag		0.033	J	0.0055	0.055
As		3.0		0.061	0.28
Cd		0.20	J	0.11	0.28
Cr		7.4		0.10	0.28
Cu		16		0.22	0.55
Pb		9.1		0.041	0.14
Sb		0.17	J	0.066	0.28
Zn		15		1.1	2.2

Analysis Method:	6020	Analysis Batch:	700-99152	Instrument ID:	ICPMS
Prep Method:	3050B	Prep Batch:	700-98542	Lab File ID:	0414063.D#.raw
Dilution:	10			Initial Weight/Volume:	0.92 g
Analysis Date:	04/14/2011 2223			Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Al		7100		2.3	2.8
Ni		7.1		0.088	0.28

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	700-98520	Instrument ID:	LEEMAN HYDRA
Prep Method:	7471B	Prep Batch:	700-98534	Lab File ID:	03312011.CSV
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	04/01/2011 1221			Final Weight/Volume:	40 mL
Prep Date:	04/01/2011 0850				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	U	0.0082	0.014

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

General Chemistry

Client Sample ID: **Natural Stone Sample 1-4 Composite**

Lab Sample ID: 700-56909-5
Client Matrix: Solid

Date Sampled: 03/29/2011 1100
Date Received: 03/30/2011 0830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-98566	Analysis Date: 04/01/2011 1408						DryWt Corrected: N
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-98566	Analysis Date: 04/01/2011 1408						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	X	Surrogate is outside control limits
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-98841/13	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1600	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1600				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	1.5	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.7	5.0
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,1-Dichloroethene	5.0	U	1.3	5.0
1,1-Dichloropropene	5.0	U	1.4	5.0
1,2,3-Trichlorobenzene	5.0	U	2.0	5.0
1,2,3-Trichloropropane	5.0	U	2.6	5.0
1,2,4-Trimethylbenzene	5.0	U	0.66	5.0
1,2-Dibromo-3-Chloropropane	10	U	3.0	10
1,2-Dichloroethane	5.0	U	2.0	5.0
1,2-Dichloropropane	5.0	U	1.2	5.0
1,3,5-Trimethylbenzene	5.0	U	0.60	5.0
1,3-Dichloropropane	5.0	U	1.3	5.0
1,4-Dichlorobenzene	5.0	U	0.82	5.0
2,2-Dichloropropane	5.0	U	1.4	5.0
2-Butanone (MEK)	25	U	11	25
2-Chlorotoluene	5.0	U	1.1	5.0
2-Hexanone	25	U	11	25
4-Chlorotoluene	5.0	U	0.74	5.0
4-Isopropyltoluene	5.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)	25	U	11	25
Acetone	6.00	J	5.1	50
Benzene	5.0	U	1.1	5.0
Bromobenzene	5.0	U	1.8	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	10	U	3.6	10
Carbon disulfide	5.0	U	0.78	5.0
Carbon tetrachloride	5.0	U	1.4	5.0
Chlorobenzene	5.0	U	1.1	5.0
Chlorobromomethane	5.0	U	1.2	5.0
Chlorodibromomethane	5.0	U	1.2	5.0
Chloroethane	10	U	1.5	10
Chloroform	5.0	U	0.82	5.0
Chloromethane	10	U	2.3	10
cis-1,2-Dichloroethene	5.0	U	0.96	5.0
cis-1,3-Dichloropropene	5.0	U	1.0	5.0
Dibromomethane	5.0	U	0.34	5.0
Dichlorobromomethane	5.0	U	1.2	5.0
Dichlorodifluoromethane	5.0	U	1.2	5.0
Ethylbenzene	5.0	U	1.8	5.0
Ethylene Dibromide	5.0	U	1.2	5.0
Isopropylbenzene	5.0	U	0.78	5.0
Methyl tert-butyl ether	50	U	3.2	50

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-98841/13	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1600	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1600				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methylene Chloride	5.0	U	1.6	5.0
m-Xylene & p-Xylene	10	U	0.74	10
Naphthalene	5.0	U	3.5	5.0
n-Butylbenzene	5.0	U	1.3	5.0
N-Propylbenzene	5.0	U	0.56	5.0
o-Xylene	5.0	U	0.60	5.0
sec-Butylbenzene	5.0	U	0.69	5.0
Styrene	5.0	U	0.61	5.0
tert-Butylbenzene	5.0	U	0.68	5.0
Tetrachloroethene	5.0	U	0.90	5.0
Toluene	5.0	U	1.0	5.0
trans-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,3-Dichloropropene	5.0	U	0.97	5.0
Trichloroethene	5.0	U	0.90	5.0
Trichlorofluoromethane	5.0	U	1.3	5.0
Vinyl chloride	10	U	1.6	10
Xylenes, Total	10	U	1.3	10
Bromoethane	5.0	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	30 - 126
Dibromofluoromethane	98	30 - 140
Toluene-d8 (Surr)	99	42 - 130

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Reporting Limit Check - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-98841/10	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1426	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1426				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	1.00	5.0	89	50 - 150	U
1,1,1-Trichloroethane	1.00	5.0	124	50 - 150	U
1,1,2,2-Tetrachloroethane	1.00	5.0	120	50 - 150	U
1,1,2-Trichloroethane	1.00	1.30	130	50 - 150	J
1,1-Dichloroethane	1.00	1.19	119	50 - 150	J
1,1-Dichloroethene	1.00	1.52	152	50 - 150	J ^
1,1-Dichloropropene	1.00	5.0	113	50 - 150	U
1,2,3-Trichlorobenzene	1.00	5.0	138	50 - 150	U
1,2-Dibromo-3-Chloropropane	1.00	10	127	1 - 150	U
1,2-Dichloroethane	1.00	5.0	128	50 - 150	U
1,2-Dichloropropane	1.00	5.0	117	50 - 150	U
1,3,5-Trimethylbenzene	1.00	1.11	111	50 - 150	J
1,3-Dichloropropane	1.00	5.0	125	50 - 150	U
1,4-Dichlorobenzene	1.00	1.32	132	50 - 150	J
2,2-Dichloropropane	1.00	5.0	133	50 - 150	U
2-Chlorotoluene	1.00	5.0	104	50 - 150	U
2-Hexanone	5.00	25	134	50 - 200	U
4-Chlorotoluene	1.00	1.06	106	50 - 150	J
4-Isopropyltoluene	1.00	5.0	99	50 - 150	U
4-Methyl-2-pentanone (MIBK)	5.00	25	145	50 - 150	U
Acetone	5.00	8.97	179	50 - 200	J
Benzene	1.00	1.21	121	50 - 150	J
Bromobenzene	1.00	5.0	115	50 - 150	U
Bromoform	1.00	5.0	78	50 - 150	U
Bromomethane	1.00	10	120	50 - 150	U
Carbon disulfide	1.00	1.14	114	1 - 200	J
Carbon tetrachloride	1.00	5.0	132	50 - 200	U
Chlorobenzene	1.00	1.22	122	50 - 150	J
Chlorobromomethane	1.00	1.24	124	50 - 150	J
Chlorodibromomethane	1.00	5.0	84	50 - 150	U
Chloroethane	1.00	10	144	50 - 150	U
Chloroform	1.00	1.22	122	50 - 150	J
Chloromethane	1.00	10	99	50 - 150	U
cis-1,2-Dichloroethene	1.00	1.19	119	50 - 150	J
cis-1,3-Dichloropropene	1.00	1.09	109	50 - 150	J
Dibromomethane	1.00	1.40	140	50 - 150	J
Dichlorobromomethane	1.00	5.0	103	50 - 150	U
Dichlorodifluoromethane	1.00	5.0	118	50 - 150	U
Ethylbenzene	1.00	5.0	114	50 - 150	U
Ethylene Dibromide	1.00	5.0	107	50 - 150	U
Isopropylbenzene	1.00	1.08	108	50 - 150	J
Methyl tert-butyl ether	1.00	50	109	50 - 150	U
Methylene Chloride	1.00	1.73	173	50 - 150	J ^
m-Xylene & p-Xylene	2.00	2.27	113	50 - 150	J
Naphthalene	1.00	5.0	128	50 - 150	U
n-Butylbenzene	1.00	5.0	118	50 - 150	U

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Reporting Limit Check - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-98841/10	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1426	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1426				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
o-Xylene	1.00	1.07	107	50 - 150	J
Styrene	1.00	0.830	83	50 - 150	J
tert-Butylbenzene	1.00	0.962	96	50 - 150	J
Tetrachloroethene	1.00	1.26	126	50 - 150	J
Toluene	1.00	1.46	146	50 - 150	J
trans-1,2-Dichloroethene	1.00	1.22	122	50 - 150	J
trans-1,3-Dichloropropene	1.00	1.20	120	50 - 150	J
Trichloroethene	1.00	1.36	136	50 - 150	J
Trichlorofluoromethane	1.00	5.0	111	50 - 150	U
Vinyl chloride	1.00	10	102	50 - 150	U
Bromoethane	1.00	5.0	184	50 - 150	U ^

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	50 - 150
Dibromofluoromethane	98	50 - 150
Toluene-d8 (Surr)	98	50 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98841

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-98841/11	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040613.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1458	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1458				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98841/12	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1529	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1529				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	81	83	48 - 154	2	46		
Benzene	85	87	69 - 137	2	42		
Chlorobenzene	81	88	70 - 138	8	34		
Toluene	91	91	66 - 141	0	32		
Trichloroethene	89	93	68 - 138	5	34		
Bromoethane	100	104	70 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	107	30 - 126
Dibromofluoromethane	103	98	30 - 140
Toluene-d8 (Surr)	100	98	42 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98841

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-98841/11	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98841/12
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/06/2011 1458			Analysis Date:	04/06/2011 1529
Prep Date:	04/06/2011 1458			Prep Date:	04/06/2011 1529
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethene	25.0	25.0	20.3	20.7
Benzene	25.0	25.0	21.3	21.8
Chlorobenzene	25.0	25.0	20.3	22.0
Toluene	25.0	25.0	22.8	22.8
Trichloroethene	25.0	25.0	22.2	23.2
Bromoethane	24.9	24.9	24.9	25.9

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98662

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 700-98662/1-A	Analysis Batch:	700-98755	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	C040510.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 1929	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	66	U	22	66
1,2-Dichlorobenzene	66	U	36	66
1,4-Dichlorobenzene	66	U	14	66
2,4-Dimethylphenol	66	U	54	66
2-Methylphenol	66	U	58	66
3 & 4 Methylphenol	66	U	36	66
Benzoic acid	340	U	32	340
Benzyl alcohol	66	U	36	66
Bis(2-ethylhexyl) phthalate	66	U	48	66
Butyl benzyl phthalate	66	U	36	66
Diethyl phthalate	66	U	36	66
Dimethyl phthalate	66	U	42	66
Di-n-butyl phthalate	66	U	34	66
Di-n-octyl phthalate	66	U	34	66
Hexachlorobenzene	66	U	36	66
Hexachlorobutadiene	66	U	26	66
Hexachloroethane	66	U	28	66
N-Nitrosodiphenylamine	66	U	36	66
Pentachlorophenol	340	U	28	340
Phenol	66	U	28	66

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64	5.0 - 130
2-Fluorobiphenyl	89	31 - 130
2-Fluorophenol (Surr)	72	10 - 128
Nitrobenzene-d5 (Surr)	66	35 - 130
Phenol-d5 (Surr)	72	29 - 130
Terphenyl-d14 (Surr)	79	37 - 149

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98662

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98662/6-A	Analysis Batch:	700-98755	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	C040511.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 1959	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98662/7-A	Analysis Batch:	700-98755	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	C040512.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 2029	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	64	66	34 - 130	2	22		
1,4-Dichlorobenzene	60	60	30 - 130	0	31		
Pentachlorophenol	31	45	34 - 133	39	55	*	
Phenol	55	57	32 - 130	3	39		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	66	74	5.0 - 130
2-Fluorobiphenyl	76	79	31 - 130
2-Fluorophenol (Surr)	67	70	10 - 128
Nitrobenzene-d5 (Surr)	64	70	35 - 130
Phenol-d5 (Surr)	68	75	29 - 130
Terphenyl-d14 (Surr)	84	93	37 - 149

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98662

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98662/6-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98662/7-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	04/05/2011 1959			Analysis Date:	04/05/2011 2029
Prep Date:	04/05/2011 1000			Prep Date:	04/05/2011 1000
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,2,4-Trichlorobenzene	1670	1670	1070		1100
1,4-Dichlorobenzene	1670	1670	1000		1010
Pentachlorophenol	3330	3330	1020	*	1510
Phenol	3330	3330	1840		1890

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98662

Method: 8270D LL
Preparation: 3550C

Lab Sample ID:	MB 700-98662/1-A	Analysis Batch:	700-98881	Instrument ID:	SMG
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	G040717.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/07/2011 1720	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1-Methylnaphthalene	6.7	U	1.7	6.7
Acenaphthene	6.7	U	3.1	6.7
Acenaphthylene	6.7	U	1.8	6.7
Anthracene	6.7	U	4.4	6.7
Benzo[k]fluoranthene	6.7	U	2.6	6.7
Benzo[g,h,i]perylene	6.7	U	2.5	6.7
Benzo[b]fluoranthene	6.7	U	2.8	6.7
Benzo[a]pyrene	6.7	U	3.2	6.7
Benzo[a]anthracene	6.7	U	2.1	6.7
Chrysene	6.7	U	1.9	6.7
Dibenz(a,h)anthracene	6.7	U	4.1	6.7
Fluoranthene	6.7	U	1.8	6.7
Fluorene	6.7	U	2.8	6.7
Naphthalene	6.7	U	3.4	6.7
Phenanthrene	6.7	U	2.2	6.7
Pyrene	6.7	U	1.7	6.7
Indeno[1,2,3-cd]pyrene	6.7	U	3.0	6.7

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	81	30 - 130
Terphenyl-d14 (Surr)	99	30 - 149
2-Fluorobiphenyl	83	31 - 130

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Reporting Limit Check - Batch: 700-98891

Method: 8270D LL
Preparation: N/A

Lab Sample ID:	MRL 700-98891/3	Analysis Batch:	700-98891	Instrument ID:	SMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040803.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2011 1449	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1-Methylnaphthalene	200	226	113	50 - 150	
Acenaphthene	200	214	107	50 - 150	
Acenaphthylene	200	194	97	50 - 150	
Anthracene	200	217	108	50 - 150	
Benzo[k]fluoranthene	200	170	85	50 - 150	
Benzo[g,h,i]perylene	200	136	68	50 - 150	
Benzo[b]fluoranthene	200	138	69	50 - 150	
Benzo[a]pyrene	200	134	67	50 - 150	
Benzo[a]anthracene	200	199	100	50 - 150	
Chrysene	200	228	114	50 - 150	
Dibenz(a,h)anthracene	200	132	66	50 - 150	
Fluoranthene	200	199	100	50 - 150	
Fluorene	200	204	102	50 - 150	
Naphthalene	200	209	105	50 - 150	
Phenanthrene	200	201	101	50 - 150	
Pyrene	200	247	123	50 - 150	
Indeno[1,2,3-cd]pyrene	200	125	63	50 - 150	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	84	50 - 150
Terphenyl-d14 (Surr)	120	50 - 150
2-Fluorobiphenyl	100	50 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-98622/1-A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040409.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 1913	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	17	U	1.5	17
beta-BHC	1.7	U	0.12	1.7
alpha-Chlordane	1.7	U	0.097	1.7
alpha-BHC	1.7	U	0.12	1.7
Aldrin	1.7	U	0.29	1.7
4,4'-DDT	3.3	U	0.54	3.3
4,4'-DDE	3.3	U	0.30	3.3
4,4'-DDD	3.3	U	0.34	3.3
2,4'-DDT	3.3	U	0.54	3.3
2,4'-DDE	3.3	U	0.30	3.3
2,4'-DDD	3.3	U	0.34	3.3
delta-BHC	1.7	U	0.25	1.7
Dieldrin	3.3	U	0.26	3.3
Endosulfan, alpha	1.7	U	0.12	1.7
Endosulfan, beta	3.3	U	0.39	3.3
Endosulfan sulfate	3.3	U	0.34	3.3
Endrin	3.3	U	0.38	3.3
Endrin aldehyde	3.3	U	0.38	3.3
Endrin ketone	3.3	U	0.30	3.3
gamma-BHC (Lindane)	1.7	U	0.11	1.7
gamma-Chlordane	1.7	U	0.10	1.7
Heptachlor	1.7	U	0.19	1.7
Heptachlor epoxide	1.7	U	0.13	1.7
Methoxychlor	17	U	0.28	17
Mirex	17	U	17	17
PCB-1016	33	U	3.0	33
Toxaphene	170	U	11	170
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33
cis-Nonachlor	1.7	U	1.7	1.7
oxy-Chlordane	1.7	U	1.7	1.7
trans-Nonachlor	1.7	U	1.7	1.7

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	43	30 - 150
Tetrachloro-m-xylene	31	30 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-98622/2-A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040418.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 2355	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	33	U	3.0	33
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	45	30 - 150
Tetrachloro-m-xylene	31	30 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/3-A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040410.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 1945	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-98622/4-A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040411.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 2016	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
beta-BHC	60	52	12 - 148	14	40		
alpha-BHC	43	42	20 - 130	3	40		
Aldrin	45	39	25 - 130	13	38		
4,4'-DDT	204	186	24 - 148	9	30	*	*
4,4'-DDE	50	44	20 - 130	14	30		J
4,4'-DDD	70	62	13 - 148	12	50		
delta-BHC	54	49	10 - 146	9	47		
Dieldrin	59	52	22 - 145	13	30		
Endosulfan, alpha	46	40	17 - 199	15	40		
Endosulfan, beta	48	43	10 - 146	12	65	J	J
Endosulfan sulfate	56	50	10 - 166	10	50		
Endrin	60	53	26 - 140	12	32		
Endrin aldehyde	52	47	14 - 135	11	86		J
Endrin ketone	87	78	24 - 145	11	31		
gamma-BHC (Lindane)	53	47	20 - 130	13	37		
Heptachlor	62	55	19 - 139	13	38		
Heptachlor epoxide	58	51	38 - 130	13	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	47	43	30 - 150
Tetrachloro-m-xylene	31	30	30 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/5-A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040419.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 0027	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-98622/6-A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040420.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 0058	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	39	45	33 - 130	14	44		
PCB-1260	53	61	39 - 134	15	30		

Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	40		46	30 - 150
Tetrachloro-m-xylene	24	X	31	30 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/3-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98622/4-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/04/2011 1945			Analysis Date:	04/04/2011 2016
Prep Date:	04/04/2011 1201			Prep Date:	04/04/2011 1201
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
beta-BHC	6.67	6.67	3.99		3.49	
alpha-BHC	6.67	6.67	2.85		2.77	
Aldrin	6.67	6.67	2.98		2.61	
4,4'-DDT	6.67	6.67	13.6	*	12.4	*
4,4'-DDE	6.67	6.67	3.35		2.92	J
4,4'-DDD	6.67	6.67	4.68		4.14	
delta-BHC	6.67	6.67	3.59		3.30	
Dieldrin	6.67	6.67	3.94		3.46	
Endosulfan, alpha	6.67	6.67	3.09		2.65	
Endosulfan, beta	6.67	6.67	3.20	J	2.85	J
Endosulfan sulfate	6.67	6.67	3.72		3.36	
Endrin	6.67	6.67	3.99		3.53	
Endrin aldehyde	6.67	6.67	3.48		3.12	J
Endrin ketone	6.67	6.67	5.77		5.18	
gamma-BHC (Lindane)	6.67	6.67	3.55		3.11	
Heptachlor	6.67	6.67	4.16		3.66	
Heptachlor epoxide	6.67	6.67	3.87		3.40	

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/5-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98622/6-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/05/2011 0027			Analysis Date:	04/05/2011 0058
Prep Date:	04/04/2011 1201			Prep Date:	04/04/2011 1201
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	333	333	131	150
PCB-1260	333	333	176	205

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-56909-5	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040413.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 2119			Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	700-56909-5	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040414.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 2150			Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
beta-BHC	50	53	12 - 148	7	40		
alpha-BHC	39	42	20 - 130	7	40		
Aldrin	37	39	25 - 130	8	38		
4,4'-DDT	219	242	24 - 148	10	30	F	F
4,4'-DDE	34	42	20 - 130	21	30	J	J
4,4'-DDD	55	60	13 - 148	8	50		
delta-BHC	46	50	10 - 146	10	47		
Dieldrin	41	50	22 - 145	21	30	J	
Endosulfan, alpha	48	51	17 - 199	5	40		
Endosulfan, beta	38	41	10 - 146	8	65	J	J
Endosulfan sulfate	38	42	10 - 166	11	50	J	J
Endrin	50	54	26 - 140	8	32		
Endrin aldehyde	42	46	14 - 135	7	86	J	J
Endrin ketone	74	79	24 - 145	7	31		
gamma-BHC (Lindane)	44	48	20 - 130	8	37		
Heptachlor	54	59	19 - 139	9	38		
Heptachlor epoxide	47	50	38 - 130	7	40		

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	38		41	30 - 150
Tetrachloro-m-xylene	29	X	32	30 - 150

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-56909-5	Units:	ug/Kg	MSD Lab Sample ID:	700-56909-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/04/2011 2119			Analysis Date:	04/04/2011 2150
Prep Date:	04/04/2011 1201			Prep Date:	04/04/2011 1201
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
beta-BHC	1.7	U	6.76	6.76	3.36		3.61	
alpha-BHC	1.7	U	6.76	6.76	2.61		2.81	
Aldrin	1.7	U	6.76	6.76	2.47		2.66	
4,4'-DDT	3.3	U	6.76	6.76	14.8	F	16.3	F
4,4'-DDE	3.3	U	6.76	6.76	2.30	J	2.83	J
4,4'-DDD	3.3	U	6.76	6.76	3.74		4.07	
delta-BHC	1.7	U	6.76	6.76	3.09		3.40	
Dieldrin	3.3	U	6.76	6.76	2.75	J	3.41	
Endosulfan, alpha	1.7	U	6.76	6.76	3.26		3.43	
Endosulfan, beta	3.3	U	6.76	6.76	2.54	J	2.74	J
Endosulfan sulfate	3.3	U	6.76	6.76	2.54	J	2.82	J
Endrin	3.3	U	6.76	6.76	3.35		3.62	
Endrin aldehyde	3.3	U	6.76	6.76	2.86	J	3.08	J
Endrin ketone	3.3	U	6.76	6.76	4.98		5.34	
gamma-BHC (Lindane)	1.7	U	6.76	6.76	2.97		3.23	
Heptachlor	1.7	U	6.76	6.76	3.62		3.99	
Heptachlor epoxide	1.7	U	6.76	6.76	3.17		3.40	

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98601

Method: 8151A
Preparation: 8151A

Lab Sample ID:	MB 700-98601/1-A	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040512.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2023	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2,4,5-T	8.3	U	1.3	8.3
2,4-D	8.3	U	2.9	8.3
2,4-DB	8.3	U	4.8	8.3
Dalapon	2000	U	0.92	2000
Dicamba	20	U	1.6	20
Dichlorprop	100	U	1.3	100
Dinoseb	100	U	1.6	100
MCPA	2000	U	48	2000
MCPP	2000	U	92	2000
Silvex (2,4,5-TP)	8.3	U	1.7	8.3

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	138	X	10 - 135

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98601

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-98601/2-A	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040513.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2106	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.7 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-98601/3-A	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040514.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2148	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-T	83	81	19 - 121	2	40		
2,4-D	90	70	16 - 141	25	106		
2,4-DB	67	46	10 - 157	37	68		
Dalapon	62	49	10 - 271	23	190	J	J
Dicamba	117	67	11 - 133	54	50		J *
Dichlorprop	28	20	10 - 138	34	46	J	J
Dinoseb	31	21	10 - 190	37	312	J	J
MCPA	74	59	10 - 114	23	178	J	J
MCPP	60	61	10 - 108	1	109	J	J
Silvex (2,4,5-TP)	97	85	29 - 120	13	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	88	54	10 - 135

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98601

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-98601/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98601/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	4.0			Dilution:	4.0
Analysis Date:	04/05/2011 2106			Analysis Date:	04/05/2011 2148
Prep Date:	04/03/2011 0700			Prep Date:	04/03/2011 0700
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2,4,5-T	20.0	20.0	16.6		16.2	
2,4-D	20.0	20.0	18.1		14.1	
2,4-DB	20.0	20.0	13.4		9.24	
Dalapon	20.0	20.0	12.3	J	9.80	J
Dicamba	20.0	20.0	23.4		13.5	J *
Dichlorprop	20.0	20.0	5.66	J	4.02	J
Dinoseb	20.0	20.0	6.17	J	4.22	J
MCPA	2000	2000	1480	J	1170	J
MCPP	2000	2000	1200	J	1210	J
Silvex (2,4,5-TP)	20.0	20.0	19.4		17.0	

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98601

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-56909-5	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040516.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2314			Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	700-56909-5	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040517.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2357			Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4,5-T	59	41	27 - 168	37	59		J
2,4-D	34	31	26 - 159	9	47	J	J
2,4-DB	66	96	10 - 181	37	40		
Dalapon	39	26	1.0 - 213	41	40	J	J F
Dicamba	70	69	29 - 145	1	40	J	J
Dichlorprop	55	46	28 - 100	18	40	J	J
Dinoseb	23	26	1.0 - 130	11	50	J	J
MCPA	57	57	29 - 134	1	50	J	J
MCPP	59	60	13 - 157	3	50	J	J
Silvex (2,4,5-TP)	73	69	32 - 134	5	51		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	48	99	10 - 135

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98601

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-56909-5	Units:	ug/Kg	MSD Lab Sample ID:	700-56909-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	4.0			Dilution:	4.0
Analysis Date:	04/05/2011 2314			Analysis Date:	04/05/2011 2357
Prep Date:	04/03/2011 0700			Prep Date:	04/03/2011 0700
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2,4,5-T	8.4	U	20.3	20.3	12.0		8.24	J
2,4-D	8.4	U	20.3	20.3	6.83	J	6.22	J
2,4-DB	8.4	U	20.3	20.3	13.4		19.5	
Dalapon	2000	U	20.3	20.3	7.87	J	5.21	J F
Dicamba	20	U	20.3	20.3	14.2	J	14.1	J
Dichlorprop	100	U	20.3	20.3	11.2	J	9.39	J
Dinoseb	100	U	20.3	20.3	4.68	J	5.21	J
MCPA	2000	U	2030	2030	1160	J	1150	J
MCPP	2000	U	2030	2030	1190	J	1230	J
Silvex (2,4,5-TP)	8.4	U	20.3	20.3	14.7		14.0	

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98542

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 700-98542/1-A	Analysis Batch:	700-98655	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98542	Lab File ID:	0404097.D#.raw
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/05/2011 0827	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ag	0.10	U	0.010	0.10
As	0.50	U	0.11	0.50
Cd	0.50	U	0.20	0.50
Cr	0.50	U	0.19	0.50
Cu	1.0	U	0.40	1.0
Ni	0.50	U	0.16	0.50
Pb	0.25	U	0.074	0.25
Sb	0.50	U	0.12	0.50
Zn	4.0	U	2.0	4.0

Method Blank - Batch: 700-98542

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 700-98542/1-A	Analysis Batch:	700-99152	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98542	Lab File ID:	0414062.D#.raw
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/14/2011 2216	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Al	5.0	U	4.2	5.0

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98542

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-98542/2-A	Analysis Batch:	700-98655	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98542	Lab File ID:	0404114.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/05/2011 1136	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98542/3-A	Analysis Batch:	700-98655	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98542	Lab File ID:	0404115.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/05/2011 1154	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ag	107	106	75 - 125	0	20		
Al	105	107	75 - 125	2	20		
As	99	100	75 - 125	0	20		
Cd	99	100	75 - 125	1	20		
Cr	104	103	75 - 125	2	20		
Cu	112	112	75 - 125	0	20		
Ni	105	104	75 - 125	2	20		
Pb	105	107	75 - 125	1	20		
Sb	97	97	75 - 125	0	20		
Zn	103	104	75 - 125	1	20		

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98542

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-98542/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-98542/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	04/05/2011 1136			Analysis Date:	04/05/2011 1154
Prep Date:	04/01/2011 0950			Prep Date:	04/01/2011 0950
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ag	100	100	107	106
Al	100	100	105	107
As	100	100	99.1	99.5
Cd	100	100	99.4	100
Cr	100	100	104	103
Cu	100	100	112	112
Ni	100	100	105	104
Pb	100	100	105	107
Sb	100	100	97.4	97.2
Zn	100	100	103	104

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98542

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	700-56909-5	Analysis Batch:	700-98655	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98542	Lab File ID:	0404116.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.72 g
Analysis Date:	04/05/2011 1212			Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				
Leach Date:	N/A				

MSD Lab Sample ID:	700-56909-5	Analysis Batch:	700-98655	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98542	Lab File ID:	0404117.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.76 g
Analysis Date:	04/05/2011 1230			Final Weight/Volume:	50 mL
Prep Date:	04/01/2011 0950				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ag	99	100	70 - 130	5	20		
Al	7588	5803	70 - 130	14	20	4	4
As	97	96	70 - 130	7	20		
As	99	96	70 - 130	7	20		
Cd	96	94	70 - 130	7	20		
Cr	101	98	70 - 130	8	20		
Cu	103	106	70 - 130	2	20		
Ni	92	89	70 - 130	8	20		
Pb	120	116	70 - 130	8	20		
Sb	64	63	70 - 130	7	20	F	F
Zn	103	97	70 - 130	9	20		

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98542

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	700-56909-5	Units:	mg/Kg	MSD Lab Sample ID:	700-56909-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	04/05/2011 1212			Analysis Date:	04/05/2011 1230
Prep Date:	04/01/2011 0950			Prep Date:	04/01/2011 0950
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ag	0.022	J	70.4	66.7	69.9		66.5	
Al	7100		70.4	66.7	11000	4	9510	4
As	2.73		70.4	66.7	70.9		67.2	
As	2.9		70.4	66.7	72.4		67.2	
Cd	0.19	J	70.4	66.7	67.8		63.2	
Cr	6.9		70.4	66.7	78.5		72.5	
Cu	14		70.4	66.7	88.3		86.5	
Ni	7.1		70.4	66.7	72.6		67.2	
Pb	9.0		70.4	66.7	93.7		86.3	
Sb	0.17	J	70.4	66.7	44.9	F	41.9	F
Zn	14		70.4	66.7	87.2		79.5	

Client: USA Environment,LP

Job Number: 700-56909-1
Sdg Number: 700-56909-1

Method Blank - Batch: 700-98534

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 700-98534/1-A	Analysis Batch:	700-98520	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98534	Lab File ID:	03312011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/01/2011 1141	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/01/2011 0850				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.014	U	0.0082	0.014

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98534

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-98534/2-A	Analysis Batch:	700-98520	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98534	Lab File ID:	03312011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/01/2011 1143	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/01/2011 0850				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98534/3-A	Analysis Batch:	700-98520	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98534	Lab File ID:	03312011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/01/2011 1145	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/01/2011 0850				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	103	107	80 - 120	3	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98534

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-98534/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-98534/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/01/2011 1143			Analysis Date:	04/01/2011 1145
Prep Date:	04/01/2011 0850			Prep Date:	04/01/2011 0850
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.267	0.267	0.275	0.285

Client: USA Environment,LP

Job Number: 700-56909-1
SDG: 700-56909-1

Laboratory Chronicle

Lab ID: **700-56909-5** **Client ID:** **Natural Stone Sample 1-4 Composite**

Sample Date/Time: 03/29/2011 11:00 Received Date/Time: 03/30/2011 08:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	700-56909-B-5		700-98841		04/06/2011 16:31	1	TAL MOB	KBV
A:8260C	700-56909-B-5		700-98841		04/06/2011 16:31	1	TAL MOB	KBV
P:3550C	700-56909-B-5-E		700-98755	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D	700-56909-B-5-E		700-98755	700-98662	04/06/2011 05:25	1	TAL MOB	ES
P:3550C	700-56909-B-5-E		700-98870	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D	700-56909-B-5-E		700-98870	700-98662	04/06/2011 16:44	1	TAL MOB	ES
P:3550C	700-56909-B-5-E		700-98881	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D LL	700-56909-B-5-E		700-98881	700-98662	04/07/2011 17:47	1	TAL MOB	LNP
P:3550C	700-56909-A-5-D		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	700-56909-A-5-D		700-98659	700-98622	04/04/2011 20:47	5	TAL MOB	LT
P:3550C	700-56909-A-5-D		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	700-56909-A-5-D		700-98688	700-98622	04/05/2011 07:17	5	TAL MOB	LT
P:8151A	700-56909-A-5-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	700-56909-A-5-A		700-98743	700-98601	04/05/2011 22:31	4	TAL MOB	LT
P:3050B	700-56909-B-5-B		700-98655	700-98542	04/01/2011 09:50	10	TAL MOB	NOP
A:6020	700-56909-B-5-B		700-98655	700-98542	04/05/2011 09:30	10	TAL MOB	CDT
P:3050B	700-56909-B-5-B		700-99152	700-98542	04/01/2011 09:50	10	TAL MOB	NOP
A:6020	700-56909-B-5-B		700-99152	700-98542	04/14/2011 22:23	10	TAL MOB	CDT
P:7471B	700-56909-B-5-A		700-98520	700-98534	04/01/2011 08:50	1	TAL MOB	PNP
A:7471B	700-56909-B-5-A		700-98520	700-98534	04/01/2011 12:21	1	TAL MOB	PNP
A:Moisture	700-56909-B-5		700-98566		04/01/2011 14:08	1	TAL MOB	MEB

Lab ID: **700-56909-5 MS** **Client ID:** **Natural Stone Sample 1-4 Composite**

Sample Date/Time: 03/29/2011 11:00 Received Date/Time: 03/30/2011 08:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	700-56909-A-5-E MS		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	700-56909-A-5-E MS		700-98659	700-98622	04/04/2011 21:19	5	TAL MOB	LT
P:8151A	700-56909-A-5-B MS		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	700-56909-A-5-B MS		700-98743	700-98601	04/05/2011 23:14	4	TAL MOB	LT
P:3050B	700-56909-B-5-C MS		700-98655	700-98542	04/01/2011 09:50	20	TAL MOB	NOP
A:6020	700-56909-B-5-C MS		700-98655	700-98542	04/05/2011 12:12	20	TAL MOB	CDT

Client: USA Environment,LP

Job Number: 700-56909-1
SDG: 700-56909-1

Laboratory Chronicle

Lab ID: **700-56909-5 MSD** **Client ID:** **Natural Stone Sample 1-4 Composite**

Sample Date/Time: 03/29/2011 11:00 Received Date/Time: 03/30/2011 08:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	700-56909-A-5-F MSD		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	700-56909-A-5-F MSD		700-98659	700-98622	04/04/2011 21:50	5	TAL MOB	LT
P:8151A	700-56909-A-5-C MSD		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	700-56909-A-5-C MSD		700-98743	700-98601	04/05/2011 23:57	4	TAL MOB	LT
P:3050B	700-56909-B-5-D MSD		700-98655	700-98542	04/01/2011 09:50	20	TAL MOB	NOP
A:6020	700-56909-B-5-D MSD		700-98655	700-98542	04/05/2011 12:30	20	TAL MOB	CDT

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 700-98841/13		700-98841		04/06/2011 16:00	1	TAL MOB	KBV
A:8260C	MB 700-98841/13		700-98841		04/06/2011 16:00	1	TAL MOB	KBV
P:3550C	MB 700-98662/1-A		700-98755	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D	MB 700-98662/1-A		700-98755	700-98662	04/05/2011 19:29	1	TAL MOB	ES
P:3550C	MB 700-98662/1-A		700-98881	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D LL	MB 700-98662/1-A		700-98881	700-98662	04/07/2011 17:20	1	TAL MOB	LNP
P:3550C	MB 700-98622/1-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	MB 700-98622/1-A		700-98659	700-98622	04/04/2011 19:13	5	TAL MOB	LT
P:3550C	MB 700-98622/2-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	MB 700-98622/2-A		700-98688	700-98622	04/04/2011 23:55	5	TAL MOB	LT
P:8151A	MB 700-98601/1-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	MB 700-98601/1-A		700-98743	700-98601	04/05/2011 20:23	4	TAL MOB	LT
P:3050B	MB 700-98542/1-A		700-98655	700-98542	04/01/2011 09:50	10	TAL MOB	NOP
A:6020	MB 700-98542/1-A		700-98655	700-98542	04/05/2011 08:27	10	TAL MOB	CDT
P:3050B	MB 700-98542/1-A		700-99152	700-98542	04/01/2011 09:50	10	TAL MOB	NOP
A:6020	MB 700-98542/1-A		700-99152	700-98542	04/14/2011 22:16	10	TAL MOB	CDT
P:7471B	MB 700-98534/1-A		700-98520	700-98534	04/01/2011 08:50	1	TAL MOB	PNP
A:7471B	MB 700-98534/1-A		700-98520	700-98534	04/01/2011 11:41	1	TAL MOB	PNP

Client: USA Environment,LP

Job Number: 700-56909-1
SDG: 700-56909-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 700-98841/11		700-98841		04/06/2011 14:58	1	TAL MOB	KBV
A:8260C	LCS 700-98841/11		700-98841		04/06/2011 14:58	1	TAL MOB	KBV
P:3550C	LCS 700-98662/6-A		700-98755	700-98662	04/05/2011 10:00	2	TAL MOB	SDT
A:8270D	LCS 700-98662/6-A		700-98755	700-98662	04/05/2011 19:59	2	TAL MOB	ES
P:3550C	LCS 700-98622/3-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCS 700-98622/3-A		700-98659	700-98622	04/04/2011 19:45	5	TAL MOB	LT
P:3550C	LCS 700-98622/5-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCS 700-98622/5-A		700-98688	700-98622	04/05/2011 00:27	5	TAL MOB	LT
P:8151A	LCS 700-98601/2-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	LCS 700-98601/2-A		700-98743	700-98601	04/05/2011 21:06	4	TAL MOB	LT
P:3050B	LCS 700-98542/2-A		700-98655	700-98542	04/01/2011 09:50	20	TAL MOB	NOP
A:6020	LCS 700-98542/2-A		700-98655	700-98542	04/05/2011 11:36	20	TAL MOB	CDT
P:7471B	LCS 700-98534/2-A		700-98520	700-98534	04/01/2011 08:50	1	TAL MOB	PNP
A:7471B	LCS 700-98534/2-A		700-98520	700-98534	04/01/2011 11:43	1	TAL MOB	PNP

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCSD 700-98841/12		700-98841		04/06/2011 15:29	1	TAL MOB	KBV
A:8260C	LCSD 700-98841/12		700-98841		04/06/2011 15:29	1	TAL MOB	KBV
P:3550C	LCSD 700-98662/7-A		700-98755	700-98662	04/05/2011 10:00	2	TAL MOB	SDT
A:8270D	LCSD 700-98662/7-A		700-98755	700-98662	04/05/2011 20:29	2	TAL MOB	ES
P:3550C	LCSD 700-98662/7-A		700-98891	700-98662	04/05/2011 10:00	5	TAL MOB	SDT
A:8270D LL	LCSD 700-98662/7-A		700-98891	700-98662	04/08/2011 15:43	5	TAL MOB	LNP
P:3550C	LCSD 700-98622/4-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCSD 700-98622/4-A		700-98659	700-98622	04/04/2011 20:16	5	TAL MOB	LT
P:3550C	LCSD 700-98622/6-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCSD 700-98622/6-A		700-98688	700-98622	04/05/2011 00:58	5	TAL MOB	LT
P:8151A	LCSD 700-98601/3-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	LCSD 700-98601/3-A		700-98743	700-98601	04/05/2011 21:48	4	TAL MOB	LT
P:3050B	LCSD 700-98542/3-A		700-98655	700-98542	04/01/2011 09:50	20	TAL MOB	NOP
A:6020	LCSD 700-98542/3-A		700-98655	700-98542	04/05/2011 11:54	20	TAL MOB	CDT
P:7471B	LCSD 700-98534/3-A		700-98520	700-98534	04/01/2011 08:50	1	TAL MOB	PNP
A:7471B	LCSD 700-98534/3-A		700-98520	700-98534	04/01/2011 11:45	1	TAL MOB	PNP

Client: USA Environment,LP

Job Number: 700-56909-1
SDG: 700-56909-1

Laboratory Chronicle

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MRL 700-98841/10		700-98841		04/06/2011 14:26	1	TAL MOB	KBV
A:8260C	MRL 700-98841/10		700-98841		04/06/2011 14:26	1	TAL MOB	KBV
A:8270D LL	MRL 700-98891/3		700-98891		04/08/2011 14:49	1	TAL MOB	LNP

Lab References:
TAL MOB = TestAmerica Mobile

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

April 12, 2011

TestAmerica Project Number: G1D010537
PO/Contract: 700-56909

Suzy Lindblom
TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693

Dear Ms. Lindblom,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on April 1, 2011. This sample is associated with your 700-56909 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4340.

Sincerely,

Bryanna Vandenberg

Bryanna Vandenberg
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G1D010537

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1613B, Dioxins/Furans
Sample: 1
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture
Sample: 1
- Sample Data Sheet
- Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G1D010537

There are no anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G1D010537

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MGGQ4	1	Natural Stone Sample Composite	3/29/2011 11:00 AM	4/1/2011 09:15 AM

Notes:

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as “ND” were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone (251) 666-6633 Fax (251) 666-6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lindblom, Suzy	Carrier Tracking No(s):	COC No: 700-12078.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: suzy.lindblom@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 700-56909-1
Address: 880 Riverside Parkway,	Due Date Requested: 4/28/2011			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel)	PO #:			
Email:	WO #:			
Project Name: San Jacinto Waste Pits	Project #: 70004521			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT EPA 1613B Dioxin	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Natural Stone Sample 1-4 Composite (700-56909-5)	3/29/11	11:00 Central		Solid			X	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/31/11		Cheng Chu	04/01/11 - 0935	TACUS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TML-Mobile PM BU LOG # 69985

LOT# (QUANTIMS ID) G1D010537 QUOTE# 38630 LOCATION W2 IB

Checked (✓)

DATE RECEIVED 04/01/11 TIME RECEIVED 0915 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☐ CLIENT ☑

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) NA

COC #(S) 710-12078.1 ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 2 Average 2 Corrected Average 2

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER ☑

CV 04/01/11

Initials Date

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A ☑

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

CV 04/01/11

Initials Date

Notes

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1D010537

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/																			
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 1613B, Dioxins/Furans

TestAmerica Mobile

Client Sample ID: Natural Stone Sample 1-4 Composite (700-56909-5)

Trace Level Organic Compounds

Lot-Sample #...: G1D010537-001 **Work Order #...:** MGGQ41AD **Matrix.....:** SOLID
Date Sampled...: 03/29/11 **Date Received..:** 04/01/11
Prep Date.....: 04/04/11 **Analysis Date..:** 04/07/11
Prep Batch #...: 1094242
Dilution Factor: 0.95
Analyst ID.....: 001212 **Instrument ID..:** 9D5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.40	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.91	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.52	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.47	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.42	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.60	pg/g	EPA-5 1613B
OCDD	ND	1.8	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.62	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.1	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.2	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.35	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.31	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.32	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.44	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.34	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.47	pg/g	EPA-5 1613B
OCDF	ND	0.74	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	54	(25 - 164)
13C-1,2,3,7,8-PeCDD	48	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	57	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	52	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	52	(23 - 140)
13C-OCDD	40	(17 - 157)
13C-2,3,7,8-TCDF	51	(24 - 169)
13C-1,2,3,7,8-PeCDF	51	(24 - 185)
13C-2,3,4,7,8-PeCDF	50	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	56	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	59	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	61	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	52	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	54	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	57	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	75	(35 - 197)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

QC DATA ASSOCIATION SUMMARY

G1D010537

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1094242	
	SOLID	ASTM D 2216-90		1094269	1094127

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1D010537 **Work Order #...:** MGJD01AA **Matrix.....:** SOLID
MB Lot-Sample #: G1D040000-242

Prep Date.....: 04/04/11 **Instrument ID..:** 9D5
Analysis Date..: 04/06/11 **Prep Batch #...:** 1094242
Dilution Factor: 1

Analyst ID.....: 001212

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.42	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.74	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.38	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.35	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.30	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.46	pg/g	EPA-5 1613B
OCDD	ND	0.72	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.66	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.99	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.1	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.27	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.24	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.24	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.33	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.27	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.40	pg/g	EPA-5 1613B
OCDF	ND	0.46	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	61	(25 - 164)
13C-1,2,3,7,8-PeCDD	56	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	69	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	63	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	71	(23 - 140)
13C-OCDD	60	(17 - 157)
13C-2,3,7,8-TCDF	58	(24 - 169)
13C-1,2,3,7,8-PeCDF	58	(24 - 185)
13C-2,3,4,7,8-PeCDF	59	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	69	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	73	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	72	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	77	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	72	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	71	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1D010537 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242
Prep Date.....: 04/04/11 **Analysis Date..:** 04/06/11
Prep Batch #...: 1094242
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 001212

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	107	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	113	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	114	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	113	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	115	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	114	(70 - 140)	EPA-5 1613B
OCDD	127	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	121	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	111	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	109	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	112	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	109	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	107	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	106	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	106	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	108	(78 - 138)	EPA-5 1613B
OCDF	131	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1D010537 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	63	(20 - 175)
13C-1,2,3,7,8-PeCDD	62	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	67	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	68	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	70	(26 - 166)
13C-OCDD	60	(13 - 199)
13C-2,3,7,8-TCDF	61	(22 - 152)
13C-1,2,3,7,8-PeCDF	62	(21 - 192)
13C-2,3,4,7,8-PeCDF	64	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	71	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	74	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	77	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	76	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	74	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	73	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1D010537 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242
Prep Date.....: 04/04/11 **Analysis Date..:** 04/06/11
Prep Batch #...: 1094242
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 001212

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	21.4	pg/g	107	EPA-5 1613B
1,2,3,7,8-PeCDD	100	113	pg/g	113	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	114	pg/g	114	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	113	pg/g	113	EPA-5 1613B
1,2,3,7,8,9-HxCDD	100	115	pg/g	115	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	100	114	pg/g	114	EPA-5 1613B
OCDD	200	254	pg/g	127	EPA-5 1613B
2,3,7,8-TCDF	20.0	24.3	pg/g	121	EPA-5 1613B
1,2,3,7,8-PeCDF	100	111	pg/g	111	EPA-5 1613B
2,3,4,7,8-PeCDF	100	109	pg/g	109	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	112	pg/g	112	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	109	pg/g	109	EPA-5 1613B
2,3,4,6,7,8-HxCDF	100	107	pg/g	107	EPA-5 1613B
1,2,3,7,8,9-HxCDF	100	106	pg/g	106	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	100	106	pg/g	106	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	100	108	pg/g	108	EPA-5 1613B
OCDF	200	263	pg/g	131	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1D010537 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	63	(20 - 175)
13C-1,2,3,7,8-PeCDD	62	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	67	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	68	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	70	(26 - 166)
13C-OCDD	60	(13 - 199)
13C-2,3,7,8-TCDF	61	(22 - 152)
13C-1,2,3,7,8-PeCDF	62	(21 - 192)
13C-2,3,4,7,8-PeCDF	64	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	71	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	74	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	77	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	76	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	74	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	73	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, Percent Moisture

TestAmerica Mobile

Client Sample ID: Natural Stone Sample 1-4 Composite (700-56909-5)

General Chemistry

Lot-Sample #...: G1D010537-001 **Work Order #...:** MGGQ4 **Matrix.....:** SOLID
Date Sampled...: 03/29/11 **Date Received..:** 04/01/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	0.40	0.10	%	ASTM D 2216-90	04/04-04/05/11	1094269

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

QC DATA ASSOCIATION SUMMARY

G1D010537

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1094242	
	SOLID	ASTM D 2216-90		1094269	1094127

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G1D010537 **Work Order #...:** MGGXJ-SMP MGGXJ-DUP **Matrix.....:** SOLID

Date Sampled...: 03/03/11 **Date Received..:** 04/02/11

% Moisture.....: 15

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #: G1D010564-001		
	14.8	13.8	%	7.5	(0-20)	ASTM D 2216-90	04/04-04/05/11	1094269

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

Serial Number

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Fax: (251) 666-6696

Alternate Laboratory Name/Location:
Phone:
Fax:

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: SAN JACINTO WASTE Pits	PROJECT NO.: 3741-RL-H001	PROJECT LOCATION (STATE): TX
(LAB) PROJECT MANAGER: SUZY LINDBLOM	P. O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: CESAR GARCIA	CLIENT PHONE: 832-641-0265	CLIENT FAX: 713-425-5956
CLIENT NAME: USA ENVIRONMENT	CLIENT EMAIL: CGARCIA@USAENVIRO.COM	
CLIENT ADDRESS: 10234 LUCORE St, Houston TX 77377017		
COMPANY CONTRACTING THIS WORK (if applicable):	SAMPLER'S SIGNATURE: Brent Morrell	

REQUIRED ANALYSES: SEE ATTACHED ANALYTE LIST

PRESERVATIVE

PAGE ___ OF ___

STANDARD REPORT DELIVERY ●
DATE DUE ___
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ___
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
		NATURAL STONE SAMPLE #2							
3-29-11	10:44A	NATURAL STONE SAMPLE 1							
3-29-11	10:50A	" " " 2							
3-29-11	10:56A	" " " 3							
3-29-11	11:00A	" " " 4							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	LOG NO. 700 56909	LABORATORY REMARKS: 4.4°C 5592
	3-30-11	8:30				

Original - Return to Laboratory with Sample(s)

	CONTACTOR SUBMITTAL	Date 4/19/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**22**

To:	**John LaPlante**	**References:**	Processed Concrete - Chemistry
		Drawing/Spec:	
Subject:	**Natural Stone –Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Eastern Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the results of the second sample submitted for analysis on the processed concrete from HPP.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	4/19/11		

Reply:

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only
Comments:

Addressee: Sign and return original to:	**Approved By:**
	Name:
Cesar Garcia	**Title:**
	Date:

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [illegible] Date: 05-05-11
Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Concrete #2 (mg/kg)	Qualifier
Metals								
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	10000	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	0.35	J
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	3.4	
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.17	J
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	38	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	23	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	13	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.016	U
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	15	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.078	
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	40	
Semivolatile Organic Compounds								
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.16	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.16	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	0.16	U
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.16	U
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.16	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	--	
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.16	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.16	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.024	
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.016	U
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.043	
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.24	
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.18	
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.17	
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.11	
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.15	
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.82	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.16	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.16	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.16	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.22	
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.036	
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.16	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.16	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.16	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.16	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.39	
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.013	J
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.16	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.16	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.16	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.09	
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.016	U
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.16	U
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.82	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.16	
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.16	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.41	
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.006	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.006	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.006	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.006	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Concrete #2 (mg/kg)	Qualifier
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.006	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.006	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.006	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.006	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.006	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.006	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.012	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.006	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.006	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.006	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.006	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.006	U
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.006	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.03	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.006	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.03	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.006	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.006	U
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.03	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.9	
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.006	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.006	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.006	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.006	U
Bromoethane	8260B	0.0100	NL	NL	NL		0.006	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.006	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.012	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.006	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.006	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.006	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.012	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.006	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.012	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.006	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.006	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.006	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.006	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.006	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.006	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.006	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.006	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.012	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.06	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.016	
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.006	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.006	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.006	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.006	U
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.006	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.006	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.006	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.006	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.006	U
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.006	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.006	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.006	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Concrete #2 (mg/kg)	Qualifier
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.006	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.012	U
Organochlorine Pesticides								
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.004	U
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.004	U
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.004	U
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.0021	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.004	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.0021	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.0021	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.0021	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.0021	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.0021	U
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.0021	U
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.0021	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.004	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.004	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.004	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.004	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.004	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.0021	U
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.0021	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.021	U
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.021	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0021	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.0021	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.21	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0021	U
Chlorinated Herbicides								
2,4,5-T	8151	0.020	NL	NL	--		0.01	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.01	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	0.01	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	2.4	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.024	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.12	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.12	U
MCPA	8151	1	1.2E-02	77	NL	0.01	2.4	U
MCPP	8151	1	2.3E-02	150	NL	0.02	2.4	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.01	U
Polychlorinated Biphenyls (PCBs)								
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.081	U
Dioxin/Furans, ng/kg								
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]		
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	0.41	U
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.84	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.5	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.46	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.4	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	21	
OCDD	1613B	10	(3)	(3)	NL	(3)	310	
Furans								
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	0.72	U
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	1.2	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	1.3	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.44	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	San Jacinto Concrete #2 (mg/kg)	Qualifier
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.37	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.47	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.36	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	1.7	U
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.56	U
OCDF	1613B	10	(3)	(3)	NL	(3)	5.6	U
TEQ (U=1/2)							1.34	

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 700-56993-1

SDG Number: 700-56993-1

Job Description: Pesticides in Soils

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
4/19/2011 11:30 AM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
04/19/2011

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

Job Narrative
700-56993-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D LL: The following sample(s) was diluted due to the nature of the sample matrix: dark thick liquid. Elevated reporting limits (RLs) are provided.

Method(s) 8270D LL: The continuing calibration verification (CCV) associated with batch 98891 recovered outside acceptance criteria, low biased, for benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthtacene, and benzo(g,h,i)perylene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Only the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) were analyzed and met the criteria limits. Therefore, the data has been reported.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081B/8082A: Internal standard (ISTD) response for the following sample(s) was outside control limits: SS - 8 (700-56934-1), SS - 8 MS (700-56934-1 MS), SS - 8 MSD (700-56934-1 MSD). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8081B/8082A: there are two surrogates : One passed and one failed which is allowable in the Test America Mobile Quality Assurance Manual.

Method(s) 8081B/8082A: The surrogate Tetrachloro-m-xylene fail but surrogate DCB pass.

Method(s) 8081B/8082A: The (LCS and MS) and / or (LCSD and MSD) for batch 98622 exceeded control limits for the following analytes: 4,4-DDT and methoxyclor. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8151A: Surrogate recovery for the following sample(s) was outside the upper control limit: (MB 700-98601/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

Metals
Method(s) 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 98658 were outside control limits. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria.

A post digestion spike (PDS) was performed and recovered at 80% (75-125%).

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL MOB	SW846 8260C	
Purge and Trap	TAL MOB		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL MOB	SW846 8270D	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Semivolatile Organic Compounds by GC/MS - Low Level	TAL MOB	SW846 8270D LL	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Herbicides (GC)	TAL MOB	SW846 8151A	
Extraction (Herbicides)	TAL MOB		SW846 8151A
Metals (ICP/MS)	TAL MOB	SW846 6020	
Preparation, Metals	TAL MOB		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL MOB	SW846 7471B	
Preparation, Mercury	TAL MOB		SW846 7471B
Percent Moisture	TAL MOB	EPA Moisture	
EPA 1613B Dioxin	TAL WSC	EPA 1613B	

Lab References:

TAL MOB = TestAmerica Mobile

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method	Analyst	Analyst ID
SW846 8260C	Var, Kerry	KBV
SW846 8270D	Polk, LanHuong N	LNP
SW846 8270D LL	Polk, LanHuong N	LNP
SW846 8081B/8082A	Tran, Luther	LT
SW846 8151A	Tran, Luther	LT
SW846 6020	Thompson, Cheri D	CDT
SW846 7471B	Phothisat, Phukham N	PNP
EPA Moisture	Bolivar, Maria E	MEB

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-56993-4	Composite	Solid	03/31/2011 0000	04/01/2011 0830

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-98841	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G040617.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Analysis Date:	04/06/2011 1702			Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		6.0	U	1.4	6.0
1,1,1-Trichloroethane		6.0	U	1.8	6.0
1,1,2,2-Tetrachloroethane		6.0	U	2.0	6.0
1,1,2-Trichloroethane		6.0	U	1.4	6.0
1,1-Dichloroethane		6.0	U	1.2	6.0
1,1-Dichloroethene		6.0	U	1.6	6.0
1,1-Dichloropropene		6.0	U	1.7	6.0
1,2,3-Trichlorobenzene		6.0	U	2.4	6.0
1,2,3-Trichloropropane		6.0	U	3.1	6.0
1,2,4-Trimethylbenzene		6.0	U	0.79	6.0
1,2-Dibromo-3-Chloropropane		12	U	3.6	12
1,2-Dichloroethane		6.0	U	2.4	6.0
1,2-Dichloropropane		6.0	U	1.4	6.0
1,3,5-Trimethylbenzene		6.0	U	0.72	6.0
1,3-Dichloropropane		6.0	U	1.6	6.0
1,4-Dichlorobenzene		6.0	U	0.98	6.0
2,2-Dichloropropane		6.0	U	1.7	6.0
2-Butanone (MEK)		30	U	13	30
2-Chlorotoluene		6.0	U	1.3	6.0
2-Hexanone		30	U	13	30
4-Chlorotoluene		6.0	U	0.88	6.0
4-Isopropyltoluene		6.0	U	1.2	6.0
4-Methyl-2-pentanone (MIBK)		30	U	13	30
Acetone		900	B	6.1	60
Benzene		6.0	U	1.3	6.0
Bromobenzene		6.0	U	2.1	6.0
Bromoform		6.0	U	1.3	6.0
Bromomethane		12	U	4.3	12
Carbon disulfide		6.0	U	0.93	6.0
Carbon tetrachloride		6.0	U	1.7	6.0
Chlorobenzene		6.0	U	1.3	6.0
Chlorobromomethane		6.0	U	1.4	6.0
Chlorodibromomethane		6.0	U	1.4	6.0
Chloroethane		12	U	1.8	12
Chloroform		6.0	U	0.98	6.0
Chloromethane		12	U	2.7	12
cis-1,2-Dichloroethene		6.0	U	1.1	6.0
cis-1,3-Dichloropropene		6.0	U	1.2	6.0
Dibromomethane		6.0	U	0.41	6.0
Dichlorobromomethane		6.0	U	1.4	6.0
Dichlorodifluoromethane		6.0	U	1.4	6.0
Ethylbenzene		6.0	U	2.1	6.0
Ethylene Dibromide		6.0	U	1.4	6.0
Isopropylbenzene		6.0	U	0.93	6.0
Methyl tert-butyl ether		60	U	3.8	60
Methylene Chloride		16		1.9	6.0

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-98841	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G040617.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Analysis Date:	04/06/2011 1702			Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		12	U	0.88	12
Naphthalene		6.0	U	4.2	6.0
n-Butylbenzene		6.0	U	1.6	6.0
N-Propylbenzene		6.0	U	0.67	6.0
o-Xylene		6.0	U	0.72	6.0
sec-Butylbenzene		6.0	U	0.82	6.0
Styrene		6.0	U	0.73	6.0
tert-Butylbenzene		6.0	U	0.81	6.0
Tetrachloroethene		6.0	U	1.1	6.0
Toluene		6.0	U	1.2	6.0
trans-1,2-Dichloroethene		6.0	U	1.2	6.0
trans-1,3-Dichloropropene		6.0	U	1.2	6.0
Trichloroethene		6.0	U	1.1	6.0
Trichlorofluoromethane		6.0	U	1.6	6.0
Vinyl chloride		12	U	1.9	12
Xylenes, Total		12	U	1.6	12
Bromoethane		6.0	U	3.8	6.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		30 - 126
Dibromofluoromethane	79		30 - 140
Toluene-d8 (Surr)	97		42 - 130

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	700-98842	Instrument ID:	SMC
Prep Method:	3550C	Prep Batch:	700-98662	Lab File ID:	C040722.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/07/2011 2217			Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		160	U	53	160
1,2-Dichlorobenzene		160	U	87	160
1,3-Dinitrobenzene		160	U	160	160
1,4-Dichlorobenzene		160	U	34	160
2,4-Dimethylphenol		160	U	130	160
2-Methylphenol		160	U	140	160
3 & 4 Methylphenol		160	U	87	160
Benzoic acid		820	U	77	820
Benzyl alcohol		160	U	87	160
Bis(2-ethylhexyl) phthalate		160	U	120	160
Butyl benzyl phthalate		160	U	87	160
Diethyl phthalate		160	U	87	160
Dimethyl phthalate		160	U	100	160
Di-n-butyl phthalate		160	U	82	160
Di-n-octyl phthalate		160	U	82	160
Hexachlorobenzene		160	U	87	160
Hexachlorobutadiene		160	U	63	160
Hexachloroethane		160	U	68	160
N-Nitrosodiphenylamine		160	U	87	160
Pentachlorophenol		820	U *	68	820
Phenol		160	U	68	160

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	10		5.0 - 130
2-Fluorobiphenyl	68		31 - 130
2-Fluorophenol (Surr)	60		10 - 128
Nitrobenzene-d5 (Surr)	64		35 - 130
Phenol-d5 (Surr)	64		29 - 130
Terphenyl-d14 (Surr)	91		37 - 149

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Analysis Method:	8270D LL	Analysis Batch:	700-98881	Instrument ID:	SMG
Prep Method:	3550C	Prep Batch:	700-98662	Lab File ID:	G040721.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/07/2011 1910			Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1-Methylnaphthalene		4.4	J	4.1	16
Acenaphthene		24		7.5	16
Acenaphthylene		16	U	4.3	16
Anthracene		43		11	16
Benzo[k]fluoranthene		150		6.3	16
Benzo[g,h,i]perylene		110		6.0	16
Benzo[b]fluoranthene		170		6.8	16
Benzo[a]pyrene		180		7.7	16
Benzo[a]anthracene		240		5.1	16
Chrysene		220		4.6	16
Dibenz(a,h)anthracene		36		9.9	16
Fluoranthene		390		4.3	16
Fluorene		13	J	6.8	16
Naphthalene		16	U	8.2	16
Phenanthrene		160		5.3	16
Pyrene		410		4.1	16
Indeno[1,2,3-cd]pyrene		90		7.2	16

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5 (Surr)	64		30 - 130
Terphenyl-d14 (Surr)	99		30 - 149
2-Fluorobiphenyl	69		31 - 130

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-98622	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/04/2011 2221			Injection Volume:	2 uL
Prep Date:	04/04/2011 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chlordane (technical)		21	U	1.8	21
beta-BHC		2.1	U	0.14	2.1
alpha-Chlordane		2.1	U	0.12	2.1
alpha-BHC		2.1	U	0.14	2.1
Aldrin		2.1	U	0.35	2.1
4,4'-DDT		4.0	U *	0.65	4.0
4,4'-DDE		4.0	U	0.36	4.0
4,4'-DDD		4.0	U	0.41	4.0
2,4'-DDT		4.0	U	0.65	4.0
2,4'-DDE		4.0	U	0.36	4.0
2,4'-DDD		4.0	U	0.41	4.0
delta-BHC		2.1	U	0.30	2.1
Dieldrin		4.0	U	0.31	4.0
Endosulfan, alpha		2.1	U	0.14	2.1
Endosulfan, beta		4.0	U	0.47	4.0
Endosulfan sulfate		4.0	U	0.41	4.0
Endrin		4.0	U	0.46	4.0
Endrin aldehyde		4.0	U	0.46	4.0
Endrin ketone		4.0	U	0.36	4.0
gamma-BHC (Lindane)		2.1	U	0.13	2.1
gamma-Chlordane		2.1	U	0.12	2.1
Heptachlor		2.1	U	0.23	2.1
Heptachlor epoxide		2.1	U	0.16	2.1
Methoxychlor		21	U *	0.34	21
Mirex		21	U	21	21
Toxaphene		210	U	13	210
cis-Nonachlor		2.1	U	0.025	2.1
oxy-Chlordane		2.1	U	0.021	2.1
trans-Nonachlor		2.1	U	0.049	2.1

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	32		30 - 150
Tetrachloro-m-xylene	31		30 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-98622	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/05/2011 0542			Injection Volume:	2 uL
Prep Date:	04/04/2011 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		40	U	3.6	40
PCB-1221		81	U	2.2	81
PCB-1232		40	U	4.5	40
PCB-1242		40	U	3.4	40
PCB-1248		40	U	5.2	40
PCB-1254		40	U	3.7	40
PCB-1260		40	U	3.1	40

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	700-98743	Instrument ID:	SGY
Prep Method:	8151A	Prep Batch:	700-98601	Initial Weight/Volume:	50.0 g
Dilution:	4.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/06/2011 0039			Injection Volume:	0.5 uL
Prep Date:	04/04/2011 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-T		10	U	1.6	10
2,4-D		10	U	3.5	10
2,4-DB		10	U	5.8	10
Dalapon		2400	U	1.1	2400
Dicamba		24	U	1.9	24
Dichlorprop		120	U	1.6	120
Dinoseb		120	U	1.9	120
MCPA		2400	U	58	2400
MCPP		2400	U	110	2400
Silvex (2,4,5-TP)		10	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	47		10 - 135

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	700-98782	Instrument ID:	ICPMS
Prep Method:	3050B	Prep Batch:	700-98746	Lab File ID:	0406107.D#.raw
Dilution:	10			Initial Weight/Volume:	0.80 g
Analysis Date:	04/07/2011 1122			Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Ag		0.078		0.0075	0.075
As		3.4		0.083	0.38
Cd		0.17	J	0.15	0.38
Cr		38		0.14	0.38
Cu		23		0.30	0.75
Ni		15		0.12	0.38
Pb		13		0.056	0.19
Sb		0.35	J	0.091	0.38
Zn		40		1.5	3.0

Analysis Method:	6020	Analysis Batch:	700-99152	Instrument ID:	ICPMS
Prep Method:	3050B	Prep Batch:	700-98746	Lab File ID:	0414064.D#.raw
Dilution:	20			Initial Weight/Volume:	0.80 g
Analysis Date:	04/14/2011 2231			Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Al		10000		6.3	7.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	700-98647	Instrument ID:	LEEMAN HYDRA
Prep Method:	7471B	Prep Batch:	700-98658	Lab File ID:	04042011.CSV
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	04/05/2011 1205			Final Weight/Volume:	40 mL
Prep Date:	04/05/2011 0910				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.0096	0.016

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

General Chemistry

Client Sample ID: **Composite**

Lab Sample ID: 700-56993-4
Client Matrix: Solid

Date Sampled: 03/31/2011 0000
Date Received: 04/01/2011 0830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-98864	Analysis Date: 04/08/2011 0943						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-98864	Analysis Date: 04/08/2011 0943						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-98841/13	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1600	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1600				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	1.5	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.7	5.0
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,1-Dichloroethene	5.0	U	1.3	5.0
1,1-Dichloropropene	5.0	U	1.4	5.0
1,2,3-Trichlorobenzene	5.0	U	2.0	5.0
1,2,3-Trichloropropane	5.0	U	2.6	5.0
1,2,4-Trimethylbenzene	5.0	U	0.66	5.0
1,2-Dibromo-3-Chloropropane	10	U	3.0	10
1,2-Dichloroethane	5.0	U	2.0	5.0
1,2-Dichloropropane	5.0	U	1.2	5.0
1,3,5-Trimethylbenzene	5.0	U	0.60	5.0
1,3-Dichloropropane	5.0	U	1.3	5.0
1,4-Dichlorobenzene	5.0	U	0.82	5.0
2,2-Dichloropropane	5.0	U	1.4	5.0
2-Butanone (MEK)	25	U	11	25
2-Chlorotoluene	5.0	U	1.1	5.0
2-Hexanone	25	U	11	25
4-Chlorotoluene	5.0	U	0.74	5.0
4-Isopropyltoluene	5.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)	25	U	11	25
Acetone	6.00	J	5.1	50
Benzene	5.0	U	1.1	5.0
Bromobenzene	5.0	U	1.8	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	10	U	3.6	10
Carbon disulfide	5.0	U	0.78	5.0
Carbon tetrachloride	5.0	U	1.4	5.0
Chlorobenzene	5.0	U	1.1	5.0
Chlorobromomethane	5.0	U	1.2	5.0
Chlorodibromomethane	5.0	U	1.2	5.0
Chloroethane	10	U	1.5	10
Chloroform	5.0	U	0.82	5.0
Chloromethane	10	U	2.3	10
cis-1,2-Dichloroethene	5.0	U	0.96	5.0
cis-1,3-Dichloropropene	5.0	U	1.0	5.0
Dibromomethane	5.0	U	0.34	5.0
Dichlorobromomethane	5.0	U	1.2	5.0
Dichlorodifluoromethane	5.0	U	1.2	5.0
Ethylbenzene	5.0	U	1.8	5.0
Ethylene Dibromide	5.0	U	1.2	5.0
Isopropylbenzene	5.0	U	0.78	5.0
Methyl tert-butyl ether	50	U	3.2	50

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-98841/13	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1600	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1600				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methylene Chloride	5.0	U	1.6	5.0
m-Xylene & p-Xylene	10	U	0.74	10
Naphthalene	5.0	U	3.5	5.0
n-Butylbenzene	5.0	U	1.3	5.0
N-Propylbenzene	5.0	U	0.56	5.0
o-Xylene	5.0	U	0.60	5.0
sec-Butylbenzene	5.0	U	0.69	5.0
Styrene	5.0	U	0.61	5.0
tert-Butylbenzene	5.0	U	0.68	5.0
Tetrachloroethene	5.0	U	0.90	5.0
Toluene	5.0	U	1.0	5.0
trans-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,3-Dichloropropene	5.0	U	0.97	5.0
Trichloroethene	5.0	U	0.90	5.0
Trichlorofluoromethane	5.0	U	1.3	5.0
Vinyl chloride	10	U	1.6	10
Xylenes, Total	10	U	1.3	10
Bromoethane	5.0	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	30 - 126
Dibromofluoromethane	98	30 - 140
Toluene-d8 (Surr)	99	42 - 130

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Reporting Limit Check - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-98841/10	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1426	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1426				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	1.00	5.0	89	50 - 150	U
1,1,1-Trichloroethane	1.00	5.0	124	50 - 150	U
1,1,2,2-Tetrachloroethane	1.00	5.0	120	50 - 150	U
1,1,2-Trichloroethane	1.00	1.30	130	50 - 150	J
1,1-Dichloroethane	1.00	1.19	119	50 - 150	J
1,1-Dichloroethene	1.00	1.52	152	50 - 150	J ^
1,1-Dichloropropene	1.00	5.0	113	50 - 150	U
1,2,3-Trichlorobenzene	1.00	5.0	138	50 - 150	U
1,2-Dibromo-3-Chloropropane	1.00	10	127	1 - 150	U
1,2-Dichloroethane	1.00	5.0	128	50 - 150	U
1,2-Dichloropropane	1.00	5.0	117	50 - 150	U
1,3,5-Trimethylbenzene	1.00	1.11	111	50 - 150	J
1,3-Dichloropropane	1.00	5.0	125	50 - 150	U
1,4-Dichlorobenzene	1.00	1.32	132	50 - 150	J
2,2-Dichloropropane	1.00	5.0	133	50 - 150	U
2-Chlorotoluene	1.00	5.0	104	50 - 150	U
2-Hexanone	5.00	25	134	50 - 200	U
4-Chlorotoluene	1.00	1.06	106	50 - 150	J
4-Isopropyltoluene	1.00	5.0	99	50 - 150	U
4-Methyl-2-pentanone (MIBK)	5.00	25	145	50 - 150	U
Acetone	5.00	8.97	179	50 - 200	J
Benzene	1.00	1.21	121	50 - 150	J
Bromobenzene	1.00	5.0	115	50 - 150	U
Bromoform	1.00	5.0	78	50 - 150	U
Bromomethane	1.00	10	120	50 - 150	U
Carbon disulfide	1.00	1.14	114	1 - 200	J
Carbon tetrachloride	1.00	5.0	132	50 - 200	U
Chlorobenzene	1.00	1.22	122	50 - 150	J
Chlorobromomethane	1.00	1.24	124	50 - 150	J
Chlorodibromomethane	1.00	5.0	84	50 - 150	U
Chloroethane	1.00	10	144	50 - 150	U
Chloroform	1.00	1.22	122	50 - 150	J
Chloromethane	1.00	10	99	50 - 150	U
cis-1,2-Dichloroethene	1.00	1.19	119	50 - 150	J
cis-1,3-Dichloropropene	1.00	1.09	109	50 - 150	J
Dibromomethane	1.00	1.40	140	50 - 150	J
Dichlorobromomethane	1.00	5.0	103	50 - 150	U
Dichlorodifluoromethane	1.00	5.0	118	50 - 150	U
Ethylbenzene	1.00	5.0	114	50 - 150	U
Ethylene Dibromide	1.00	5.0	107	50 - 150	U
Isopropylbenzene	1.00	1.08	108	50 - 150	J
Methyl tert-butyl ether	1.00	50	109	50 - 150	U
Methylene Chloride	1.00	1.73	173	50 - 150	J ^
m-Xylene & p-Xylene	2.00	2.27	113	50 - 150	J
Naphthalene	1.00	5.0	128	50 - 150	U
n-Butylbenzene	1.00	5.0	118	50 - 150	U

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Reporting Limit Check - Batch: 700-98841

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-98841/10	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1426	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1426				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
o-Xylene	1.00	1.07	107	50 - 150	J
Styrene	1.00	0.830	83	50 - 150	J
tert-Butylbenzene	1.00	0.962	96	50 - 150	J
Tetrachloroethene	1.00	1.26	126	50 - 150	J
Toluene	1.00	1.46	146	50 - 150	J
trans-1,2-Dichloroethene	1.00	1.22	122	50 - 150	J
trans-1,3-Dichloropropene	1.00	1.20	120	50 - 150	J
Trichloroethene	1.00	1.36	136	50 - 150	J
Trichlorofluoromethane	1.00	5.0	111	50 - 150	U
Vinyl chloride	1.00	10	102	50 - 150	U
Bromoethane	1.00	5.0	184	50 - 150	U ^

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	50 - 150
Dibromofluoromethane	98	50 - 150
Toluene-d8 (Surr)	98	50 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98841

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-98841/11	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040613.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1458	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1458				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98841/12	Analysis Batch:	700-98841	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2011 1529	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2011 1529				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	81	83	48 - 154	2	46		
Benzene	85	87	69 - 137	2	42		
Chlorobenzene	81	88	70 - 138	8	34		
Toluene	91	91	66 - 141	0	32		
Trichloroethene	89	93	68 - 138	5	34		
Bromoethane	100	104	70 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	107	30 - 126
Dibromofluoromethane	103	98	30 - 140
Toluene-d8 (Surr)	100	98	42 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98841

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-98841/11	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98841/12
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/06/2011 1458			Analysis Date:	04/06/2011 1529
Prep Date:	04/06/2011 1458			Prep Date:	04/06/2011 1529
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethene	25.0	25.0	20.3	20.7
Benzene	25.0	25.0	21.3	21.8
Chlorobenzene	25.0	25.0	20.3	22.0
Toluene	25.0	25.0	22.8	22.8
Trichloroethene	25.0	25.0	22.2	23.2
Bromoethane	24.9	24.9	24.9	25.9

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98662

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 700-98662/1-A	Analysis Batch:	700-98755	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	C040510.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 1929	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	66	U	22	66
1,2-Dichlorobenzene	66	U	36	66
1,4-Dichlorobenzene	66	U	14	66
2,4-Dimethylphenol	66	U	54	66
2-Methylphenol	66	U	58	66
3 & 4 Methylphenol	66	U	36	66
Benzoic acid	340	U	32	340
Benzyl alcohol	66	U	36	66
Bis(2-ethylhexyl) phthalate	66	U	48	66
Butyl benzyl phthalate	66	U	36	66
Diethyl phthalate	66	U	36	66
Dimethyl phthalate	66	U	42	66
Di-n-butyl phthalate	66	U	34	66
Di-n-octyl phthalate	66	U	34	66
Hexachlorobenzene	66	U	36	66
Hexachlorobutadiene	66	U	26	66
Hexachloroethane	66	U	28	66
N-Nitrosodiphenylamine	66	U	36	66
Pentachlorophenol	340	U	28	340
Phenol	66	U	28	66

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64	5.0 - 130
2-Fluorobiphenyl	89	31 - 130
2-Fluorophenol (Surr)	72	10 - 128
Nitrobenzene-d5 (Surr)	66	35 - 130
Phenol-d5 (Surr)	72	29 - 130
Terphenyl-d14 (Surr)	79	37 - 149

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98662

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98662/6-A	Analysis Batch:	700-98755	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	C040511.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 1959	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98662/7-A	Analysis Batch:	700-98755	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	C040512.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 2029	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	64	66	34 - 130	2	22		
1,4-Dichlorobenzene	60	60	30 - 130	0	31		
Pentachlorophenol	31	45	34 - 133	39	55	*	
Phenol	55	57	32 - 130	3	39		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	66	74	5.0 - 130
2-Fluorobiphenyl	76	79	31 - 130
2-Fluorophenol (Surr)	67	70	10 - 128
Nitrobenzene-d5 (Surr)	64	70	35 - 130
Phenol-d5 (Surr)	68	75	29 - 130
Terphenyl-d14 (Surr)	84	93	37 - 149

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98662

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98662/6-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98662/7-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	04/05/2011 1959			Analysis Date:	04/05/2011 2029
Prep Date:	04/05/2011 1000			Prep Date:	04/05/2011 1000
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,2,4-Trichlorobenzene	1670	1670	1070		1100
1,4-Dichlorobenzene	1670	1670	1000		1010
Pentachlorophenol	3330	3330	1020	*	1510
Phenol	3330	3330	1840		1890

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98662

Method: 8270D LL
Preparation: 3550C

Lab Sample ID:	MB 700-98662/1-A	Analysis Batch:	700-98881	Instrument ID:	SMG
Client Matrix:	Solid	Prep Batch:	700-98662	Lab File ID:	G040717.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/07/2011 1720	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/05/2011 1000			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1-Methylnaphthalene	6.7	U	1.7	6.7
Acenaphthene	6.7	U	3.1	6.7
Acenaphthylene	6.7	U	1.8	6.7
Anthracene	6.7	U	4.4	6.7
Benzo[k]fluoranthene	6.7	U	2.6	6.7
Benzo[g,h,i]perylene	6.7	U	2.5	6.7
Benzo[b]fluoranthene	6.7	U	2.8	6.7
Benzo[a]pyrene	6.7	U	3.2	6.7
Benzo[a]anthracene	6.7	U	2.1	6.7
Chrysene	6.7	U	1.9	6.7
Dibenz(a,h)anthracene	6.7	U	4.1	6.7
Fluoranthene	6.7	U	1.8	6.7
Fluorene	6.7	U	2.8	6.7
Naphthalene	6.7	U	3.4	6.7
Phenanthrene	6.7	U	2.2	6.7
Pyrene	6.7	U	1.7	6.7
Indeno[1,2,3-cd]pyrene	6.7	U	3.0	6.7

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	81	30 - 130
Terphenyl-d14 (Surr)	99	30 - 149
2-Fluorobiphenyl	83	31 - 130

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Reporting Limit Check - Batch: 700-98891

Method: 8270D LL
Preparation: N/A

Lab Sample ID:	MRL 700-98891/3	Analysis Batch:	700-98891	Instrument ID:	SMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G040803.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/08/2011 1449	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1-Methylnaphthalene	200	226	113	50 - 150	
Acenaphthene	200	214	107	50 - 150	
Acenaphthylene	200	194	97	50 - 150	
Anthracene	200	217	108	50 - 150	
Benzo[k]fluoranthene	200	170	85	50 - 150	
Benzo[g,h,i]perylene	200	136	68	50 - 150	
Benzo[b]fluoranthene	200	138	69	50 - 150	
Benzo[a]pyrene	200	134	67	50 - 150	
Benzo[a]anthracene	200	199	100	50 - 150	
Chrysene	200	228	114	50 - 150	
Dibenz(a,h)anthracene	200	132	66	50 - 150	
Fluoranthene	200	199	100	50 - 150	
Fluorene	200	204	102	50 - 150	
Naphthalene	200	209	105	50 - 150	
Phenanthrene	200	201	101	50 - 150	
Pyrene	200	247	123	50 - 150	
Indeno[1,2,3-cd]pyrene	200	125	63	50 - 150	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	84	50 - 150
Terphenyl-d14 (Surr)	120	50 - 150
2-Fluorobiphenyl	100	50 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-98622/1-A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040409.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 1913	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	17	U	1.5	17
beta-BHC	1.7	U	0.12	1.7
alpha-Chlordane	1.7	U	0.097	1.7
alpha-BHC	1.7	U	0.12	1.7
Aldrin	1.7	U	0.29	1.7
4,4'-DDT	3.3	U	0.54	3.3
4,4'-DDE	3.3	U	0.30	3.3
4,4'-DDD	3.3	U	0.34	3.3
2,4'-DDT	3.3	U	0.54	3.3
2,4'-DDE	3.3	U	0.30	3.3
2,4'-DDD	3.3	U	0.34	3.3
delta-BHC	1.7	U	0.25	1.7
Dieldrin	3.3	U	0.26	3.3
Endosulfan, alpha	1.7	U	0.12	1.7
Endosulfan, beta	3.3	U	0.39	3.3
Endosulfan sulfate	3.3	U	0.34	3.3
Endrin	3.3	U	0.38	3.3
Endrin aldehyde	3.3	U	0.38	3.3
Endrin ketone	3.3	U	0.30	3.3
gamma-BHC (Lindane)	1.7	U	0.11	1.7
gamma-Chlordane	1.7	U	0.10	1.7
Heptachlor	1.7	U	0.19	1.7
Heptachlor epoxide	1.7	U	0.13	1.7
Methoxychlor	17	U	0.28	17
Mirex	17	U	17	17
PCB-1016	33	U	3.0	33
Toxaphene	170	U	11	170
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33
cis-Nonachlor	1.7	U	0.021	1.7
oxy-Chlordane	1.7	U	0.017	1.7
trans-Nonachlor	1.7	U	0.041	1.7

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	43	30 - 150
Tetrachloro-m-xylene	31	30 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-98622/2-A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040418.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 2355	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	33	U	3.0	33
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	45	30 - 150
Tetrachloro-m-xylene	31	30 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/3-A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040410.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 1945	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-98622/4-A	Analysis Batch:	700-98659	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040411.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/04/2011 2016	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
beta-BHC	60	52	12 - 148	14	40		
alpha-BHC	43	42	20 - 130	3	40		
Aldrin	45	39	25 - 130	13	38		
4,4'-DDT	204	186	24 - 148	9	30	*	*
4,4'-DDE	50	44	20 - 130	14	30		J
4,4'-DDD	70	62	13 - 148	12	50		
delta-BHC	54	49	10 - 146	9	47		
Dieldrin	59	52	22 - 145	13	30		
Endosulfan, alpha	46	40	17 - 199	15	40		
Endosulfan, beta	48	43	10 - 146	12	65	J	J
Endosulfan sulfate	56	50	10 - 166	10	50		
Endrin	60	53	26 - 140	12	32		
Endrin aldehyde	52	47	14 - 135	11	86		J
Endrin ketone	87	78	24 - 145	11	31		
gamma-BHC (Lindane)	53	47	20 - 130	13	37		
Heptachlor	62	55	19 - 139	13	38		
Heptachlor epoxide	58	51	38 - 130	13	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	47	43	30 - 150
Tetrachloro-m-xylene	31	30	30 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/5-A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040419.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 0027	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-98622/6-A	Analysis Batch:	700-98688	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-98622	Lab File ID:	Z040420.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/05/2011 0058	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/04/2011 1201			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	39	45	33 - 130	14	44		
PCB-1260	53	61	39 - 134	15	30		

Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	40		46	30 - 150
Tetrachloro-m-xylene	24	X	31	30 - 150

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/3-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98622/4-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/04/2011 1945			Analysis Date:	04/04/2011 2016
Prep Date:	04/04/2011 1201			Prep Date:	04/04/2011 1201
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
beta-BHC	6.67	6.67	3.99		3.49	
alpha-BHC	6.67	6.67	2.85		2.77	
Aldrin	6.67	6.67	2.98		2.61	
4,4'-DDT	6.67	6.67	13.6	*	12.4	*
4,4'-DDE	6.67	6.67	3.35		2.92	J
4,4'-DDD	6.67	6.67	4.68		4.14	
delta-BHC	6.67	6.67	3.59		3.30	
Dieldrin	6.67	6.67	3.94		3.46	
Endosulfan, alpha	6.67	6.67	3.09		2.65	
Endosulfan, beta	6.67	6.67	3.20	J	2.85	J
Endosulfan sulfate	6.67	6.67	3.72		3.36	
Endrin	6.67	6.67	3.99		3.53	
Endrin aldehyde	6.67	6.67	3.48		3.12	J
Endrin ketone	6.67	6.67	5.77		5.18	
gamma-BHC (Lindane)	6.67	6.67	3.55		3.11	
Heptachlor	6.67	6.67	4.16		3.66	
Heptachlor epoxide	6.67	6.67	3.87		3.40	

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98622

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-98622/5-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98622/6-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/05/2011 0027			Analysis Date:	04/05/2011 0058
Prep Date:	04/04/2011 1201			Prep Date:	04/04/2011 1201
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	333	333	131	150
PCB-1260	333	333	176	205

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98601

Method: 8151A
Preparation: 8151A

Lab Sample ID:	MB 700-98601/1-A	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040512.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2023	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2,4,5-T	8.3	U	1.3	8.3
2,4-D	8.3	U	2.9	8.3
2,4-DB	8.3	U	4.8	8.3
Dalapon	2000	U	0.92	2000
Dicamba	20	U	1.6	20
Dichlorprop	100	U	1.3	100
Dinoseb	100	U	1.6	100
MCPA	2000	U	48	2000
MCPP	2000	U	92	2000
Silvex (2,4,5-TP)	8.3	U	1.7	8.3

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	138	X	10 - 135

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98601

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-98601/2-A	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040513.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2106	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.7 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-98601/3-A	Analysis Batch:	700-98743	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-98601	Lab File ID:	Y040514.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/05/2011 2148	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/03/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-T	83	81	19 - 121	2	40		
2,4-D	90	70	16 - 141	25	106		
2,4-DB	67	46	10 - 157	37	68		
Dalapon	62	49	10 - 271	23	190	J	J
Dicamba	117	67	11 - 133	54	50		J *
Dichlorprop	28	20	10 - 138	34	46	J	J
Dinoseb	31	21	10 - 190	37	312	J	J
MCPA	74	59	10 - 114	23	178	J	J
MCPP	60	61	10 - 108	1	109	J	J
Silvex (2,4,5-TP)	97	85	29 - 120	13	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	88	54	10 - 135

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98601

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-98601/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-98601/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	4.0			Dilution:	4.0
Analysis Date:	04/05/2011 2106			Analysis Date:	04/05/2011 2148
Prep Date:	04/03/2011 0700			Prep Date:	04/03/2011 0700
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2,4,5-T	20.0	20.0	16.6		16.2	
2,4-D	20.0	20.0	18.1		14.1	
2,4-DB	20.0	20.0	13.4		9.24	
Dalapon	20.0	20.0	12.3	J	9.80	J
Dicamba	20.0	20.0	23.4		13.5	J *
Dichlorprop	20.0	20.0	5.66	J	4.02	J
Dinoseb	20.0	20.0	6.17	J	4.22	J
MCPA	2000	2000	1480	J	1170	J
MCPP	2000	2000	1200	J	1210	J
Silvex (2,4,5-TP)	20.0	20.0	19.4		17.0	

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98746

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 700-98746/1-A	Analysis Batch:	700-98782	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98746	Lab File ID:	0406106.D#.raw
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/07/2011 1113	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ag	0.10	U	0.010	0.10
Al	5.0	U	4.2	5.0
As	0.50	U	0.11	0.50
Cd	0.50	U	0.20	0.50
Cr	0.50	U	0.19	0.50
Cu	1.0	U	0.40	1.0
Ni	0.50	U	0.16	0.50
Pb	0.25	U	0.074	0.25
Sb	0.50	U	0.12	0.50
Zn	4.0	U	2.0	4.0

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98746

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-98746/2-A	Analysis Batch:	700-98782	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98746	Lab File ID:	0406122.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/07/2011 1324	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98746/3-A	Analysis Batch:	700-98782	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98746	Lab File ID:	0406123.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/07/2011 1340	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ag	110	110	75 - 125	0	20		
As	108	108	75 - 125	0	20		
Cd	106	105	75 - 125	0	20		
Cr	105	104	75 - 125	1	20		
Cu	114	117	75 - 125	3	20		
Ni	103	103	75 - 125	0	20		
Pb	106	107	75 - 125	0	20		
Sb	103	104	75 - 125	1	20		
Zn	105	106	75 - 125	1	20		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98746

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-98746/2-A	Analysis Batch:	700-99152	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98746	Lab File ID:	0414073.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/14/2011 2345	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98746/3-A	Analysis Batch:	700-99152	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-98746	Lab File ID:	0414074.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	04/15/2011 0000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/06/2011 1050				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Al	114	112	75 - 125	1	20		

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98746

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-98746/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-98746/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	04/07/2011 1324			Analysis Date:	04/07/2011 1340
Prep Date:	04/06/2011 1050			Prep Date:	04/06/2011 1050
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ag	100	100	110	110
As	100	100	108	108
Cd	100	100	106	105
Cr	100	100	105	104
Cu	100	100	114	117
Ni	100	100	103	103
Pb	100	100	106	107
Sb	100	100	103	104
Zn	100	100	105	106

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98746

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-98746/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-98746/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	04/14/2011 2345			Analysis Date:	04/15/2011 0000
Prep Date:	04/06/2011 1050			Prep Date:	04/06/2011 1050
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Al	100	100	114	112

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Method Blank - Batch: 700-98658

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 700-98658/1-A	Analysis Batch:	700-98647	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98658	Lab File ID:	04042011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2011 1158	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/05/2011 0910				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.014	U	0.0082	0.014

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-98658

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-98658/2-A	Analysis Batch:	700-98647	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98658	Lab File ID:	04042011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2011 1200	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/05/2011 0910				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-98658/3-A	Analysis Batch:	700-98647	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98658	Lab File ID:	04042011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/05/2011 1202	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/05/2011 0910				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	103	99	80 - 120	4	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-98658

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-98658/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-98658/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/05/2011 1200			Analysis Date:	04/05/2011 1202
Prep Date:	04/05/2011 0910			Prep Date:	04/05/2011 0910
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.267	0.267	0.274	0.264

Client: USA Environment,LP

Job Number: 700-56993-1
Sdg Number: 700-56993-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98658

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	700-56993-4	Analysis Batch:	700-98647	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98658	Lab File ID:	04042011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	04/05/2011 1208			Final Weight/Volume:	40 mL
Prep Date:	04/05/2011 0910				
Leach Date:	N/A				

MSD Lab Sample ID:	700-56993-4	Analysis Batch:	700-98647	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-98658	Lab File ID:	04042011.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	04/05/2011 1214			Final Weight/Volume:	40 mL
Prep Date:	04/05/2011 0910				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	36	32	80 - 120	11	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-98658

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	700-56993-4	Units:	mg/Kg	MSD Lab Sample ID:	700-56993-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/05/2011 1208			Analysis Date:	04/05/2011 1214
Prep Date:	04/05/2011 0910			Prep Date:	04/05/2011 0910
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Mercury	0.016	U	0.195	0.195	0.0696	F	0.0621	F

Client: USA Environment,LP

Job Number: 700-56993-1
SDG: 700-56993-1

Laboratory Chronicle

Lab ID: **700-56993-4** **Client ID:** **Composite**

Sample Date/Time: 03/31/2011 00:00 Received Date/Time: 04/01/2011 08:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	700-56993-A-4		700-98841		04/06/2011 17:02	1	TAL MOB	KBV
A:8260C	700-56993-A-4		700-98841		04/06/2011 17:02	1	TAL MOB	KBV
P:3550C	700-56993-A-4-F		700-98842	700-98662	04/05/2011 10:00	2	TAL MOB	SDT
A:8270D	700-56993-A-4-F		700-98842	700-98662	04/07/2011 22:17	2	TAL MOB	LNP
P:3550C	700-56993-A-4-F		700-98881	700-98662	04/05/2011 10:00	2	TAL MOB	SDT
A:8270D LL	700-56993-A-4-F		700-98881	700-98662	04/07/2011 19:10	2	TAL MOB	LNP
P:3550C	700-56993-A-4-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	700-56993-A-4-A		700-98659	700-98622	04/04/2011 22:21	5	TAL MOB	LT
P:3550C	700-56993-A-4-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	700-56993-A-4-A		700-98688	700-98622	04/05/2011 05:42	5	TAL MOB	LT
P:8151A	700-56993-A-4-B		700-98743	700-98601	04/04/2011 10:00	4	TAL MOB	HHL
A:8151A	700-56993-A-4-B		700-98743	700-98601	04/06/2011 00:39	4	TAL MOB	LT
P:3050B	700-56993-A-4-G		700-98782	700-98746	04/06/2011 10:50	10	TAL MOB	NOP
A:6020	700-56993-A-4-G		700-98782	700-98746	04/07/2011 11:22	10	TAL MOB	CDT
P:3050B	700-56993-A-4-G ^20		700-99152	700-98746	04/06/2011 10:50	20	TAL MOB	NOP
A:6020	700-56993-A-4-G ^20		700-99152	700-98746	04/14/2011 22:31	20	TAL MOB	CDT
P:7471B	700-56993-A-4-C		700-98647	700-98658	04/05/2011 09:10	1	TAL MOB	PNP
A:7471B	700-56993-A-4-C		700-98647	700-98658	04/05/2011 12:05	1	TAL MOB	PNP
A:Moisture	700-56993-A-4		700-98864		04/08/2011 09:43	1	TAL MOB	MEB

Lab ID: **700-56993-4 MS** **Client ID:** **Composite**

Sample Date/Time: 03/31/2011 00:00 Received Date/Time: 04/01/2011 08:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	700-56993-A-4-D MS		700-98647	700-98658	04/05/2011 09:10	1	TAL MOB	PNP
A:7471B	700-56993-A-4-D MS		700-98647	700-98658	04/05/2011 12:08	1	TAL MOB	PNP

Lab ID: **700-56993-4 MSD** **Client ID:** **Composite**

Sample Date/Time: 03/31/2011 00:00 Received Date/Time: 04/01/2011 08:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	700-56993-A-4-E MSD		700-98647	700-98658	04/05/2011 09:10	1	TAL MOB	PNP
A:7471B	700-56993-A-4-E MSD		700-98647	700-98658	04/05/2011 12:14	1	TAL MOB	PNP

Client: USA Environment,LP

Job Number: 700-56993-1
SDG: 700-56993-1

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 700-98841/13		700-98841		04/06/2011 16:00	1	TAL MOB	KBV
A:8260C	MB 700-98841/13		700-98841		04/06/2011 16:00	1	TAL MOB	KBV
P:3550C	MB 700-98662/1-A		700-98755	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D	MB 700-98662/1-A		700-98755	700-98662	04/05/2011 19:29	1	TAL MOB	ES
P:3550C	MB 700-98662/1-A		700-98881	700-98662	04/05/2011 10:00	1	TAL MOB	SDT
A:8270D LL	MB 700-98662/1-A		700-98881	700-98662	04/07/2011 17:20	1	TAL MOB	LNP
P:3550C	MB 700-98622/1-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	MB 700-98622/1-A		700-98659	700-98622	04/04/2011 19:13	5	TAL MOB	LT
P:3550C	MB 700-98622/2-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	MB 700-98622/2-A		700-98688	700-98622	04/04/2011 23:55	5	TAL MOB	LT
P:8151A	MB 700-98601/1-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	MB 700-98601/1-A		700-98743	700-98601	04/05/2011 20:23	4	TAL MOB	LT
P:3050B	MB 700-98746/1-A		700-98782	700-98746	04/06/2011 10:50	10	TAL MOB	NOP
A:6020	MB 700-98746/1-A		700-98782	700-98746	04/07/2011 11:13	10	TAL MOB	CDT
P:7471B	MB 700-98658/1-A		700-98647	700-98658	04/05/2011 09:10	1	TAL MOB	PNP
A:7471B	MB 700-98658/1-A		700-98647	700-98658	04/05/2011 11:58	1	TAL MOB	PNP

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 700-98841/11		700-98841		04/06/2011 14:58	1	TAL MOB	KBV
A:8260C	LCS 700-98841/11		700-98841		04/06/2011 14:58	1	TAL MOB	KBV
P:3550C	LCS 700-98662/6-A		700-98755	700-98662	04/05/2011 10:00	2	TAL MOB	SDT
A:8270D	LCS 700-98662/6-A		700-98755	700-98662	04/05/2011 19:59	2	TAL MOB	ES
P:3550C	LCS 700-98622/3-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCS 700-98622/3-A		700-98659	700-98622	04/04/2011 19:45	5	TAL MOB	LT
P:3550C	LCS 700-98622/5-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCS 700-98622/5-A		700-98688	700-98622	04/05/2011 00:27	5	TAL MOB	LT
P:8151A	LCS 700-98601/2-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	LCS 700-98601/2-A		700-98743	700-98601	04/05/2011 21:06	4	TAL MOB	LT
P:3050B	LCS 700-98746/2-A		700-98782	700-98746	04/06/2011 10:50	20	TAL MOB	NOP
A:6020	LCS 700-98746/2-A		700-98782	700-98746	04/07/2011 13:24	20	TAL MOB	CDT
P:3050B	LCS 700-98746/2-A		700-99152	700-98746	04/06/2011 10:50	20	TAL MOB	NOP
A:6020	LCS 700-98746/2-A		700-99152	700-98746	04/14/2011 23:45	20	TAL MOB	CDT
P:7471B	LCS 700-98658/2-A		700-98647	700-98658	04/05/2011 09:10	1	TAL MOB	PNP
A:7471B	LCS 700-98658/2-A		700-98647	700-98658	04/05/2011 12:00	1	TAL MOB	PNP

Client: USA Environment,LP

Job Number: 700-56993-1
SDG: 700-56993-1

Laboratory Chronicle

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCSD 700-98841/12		700-98841		04/06/2011 15:29	1	TAL MOB	KBV
A:8260C	LCSD 700-98841/12		700-98841		04/06/2011 15:29	1	TAL MOB	KBV
P:3550C	LCSD 700-98662/7-A		700-98755	700-98662	04/05/2011 10:00	2	TAL MOB	SDT
A:8270D	LCSD 700-98662/7-A		700-98755	700-98662	04/05/2011 20:29	2	TAL MOB	ES
P:3550C	LCSD 700-98662/7-A		700-98891	700-98662	04/05/2011 10:00	5	TAL MOB	SDT
A:8270D LL	LCSD 700-98662/7-A		700-98891	700-98662	04/08/2011 15:43	5	TAL MOB	LNP
P:3550C	LCSD 700-98622/4-A		700-98659	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCSD 700-98622/4-A		700-98659	700-98622	04/04/2011 20:16	5	TAL MOB	LT
P:3550C	LCSD 700-98622/6-A		700-98688	700-98622	04/04/2011 12:01	5	TAL MOB	SDT
A:8081B/8082A	LCSD 700-98622/6-A		700-98688	700-98622	04/05/2011 00:58	5	TAL MOB	LT
P:8151A	LCSD 700-98601/3-A		700-98743	700-98601	04/03/2011 07:00	4	TAL MOB	HHL
A:8151A	LCSD 700-98601/3-A		700-98743	700-98601	04/05/2011 21:48	4	TAL MOB	LT
P:3050B	LCSD 700-98746/3-A		700-98782	700-98746	04/06/2011 10:50	20	TAL MOB	NOP
A:6020	LCSD 700-98746/3-A		700-98782	700-98746	04/07/2011 13:40	20	TAL MOB	CDT
P:3050B	LCSD 700-98746/3-A		700-99152	700-98746	04/06/2011 10:50	20	TAL MOB	NOP
A:6020	LCSD 700-98746/3-A		700-99152	700-98746	04/15/2011 00:00	20	TAL MOB	CDT
P:7471B	LCSD 700-98658/3-A		700-98647	700-98658	04/05/2011 09:10	1	TAL MOB	PNP
A:7471B	LCSD 700-98658/3-A		700-98647	700-98658	04/05/2011 12:02	1	TAL MOB	PNP

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MRL 700-98841/10		700-98841		04/06/2011 14:26	1	TAL MOB	KBV
A:8260C	MRL 700-98841/10		700-98841		04/06/2011 14:26	1	TAL MOB	KBV
A:8270D LL	MRL 700-98891/3		700-98891		04/08/2011 14:49	1	TAL MOB	LNP

Lab References:
TAL MOB = TestAmerica Mobile

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

April 12, 2011

TestAmerica Project Number: G1D020440
PO/Contract: 700-56993

Suzy Lindblom
TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693

Dear Ms. Lindblom,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on April 2, 2011. This sample is associated with your 700-56993 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4340.

Sincerely,

Bryanna Vandenberg

Bryanna Vandenberg
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G1D020440

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

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Sample: 1
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture
Sample: 1
- Sample Data Sheet
- Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G1D020440

There are no anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G1D020440

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MGHM6	1	Composite (700-56993-4)	3/31/2011	4/2/2011 09:10 AM

Notes:

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as “ND” were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone (251) 666-6633 Fax (251) 666-6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lindblom, Suzy	Carrier Tracking No(s):	COC No: 700-12086.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: suzy.lindblom@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		**Analysis Requested**		Job #: 700-56993-1
Address: 880 Riverside Parkway,	Due Date Requested: 5/2/2011			**Preservation Codes:**
City: West Sacramento	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
State, Zip: CA, 95605				M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Phone: 916-373-5600(Tel)	PO #:			
Email:	WO #:			Other:
Project Name: Pesticides in Soils	Project #: 70004521			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT Dioxin Furan	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Composite (700-56993-4)	3/31/11	Central		Solid			X	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 4/1/11	Company	Received by:	Date/Time: 4-2-11 930	Company TALLS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL-Mobile PM BV LOG # 69998

LOT# (QUANTIMS ID) G1D020440 QUOTE# 38630 LOCATION W23C

Checked (✓)

DATE RECEIVED 4-2-11 TIME RECEIVED 910 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☐ CLIENT ☑

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) _____

COC #(S) 700-12086.1 ☑

TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 2 Average 2 Corrected Average 2

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER _____ ☑

Initials: AA Date: 4-2-11

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A ☑

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Initials: AA Date: 4-2-11

Notes _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1D020440

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ	1																			
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 1613B, Dioxins/Furans

TestAmerica Mobile

Client Sample ID: Composite (700-56993-4)

Trace Level Organic Compounds

Lot-Sample #...: G1D020440-001 **Work Order #...:** MGHM61AD **Matrix.....:** SOLID
Date Sampled...: 03/31/11 **Date Received..:** 04/02/11
Prep Date.....: 04/04/11 **Analysis Date..:** 04/07/11
Prep Batch #...: 1094242
Dilution Factor: 0.99
Analyst ID.....: 001212 **Instrument ID..:** 9D5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.41	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.84	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.50	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.46	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.40	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	**21**		**pg/g**	**EPA-5 1613B**
OCDD	**310**		**pg/g**	**EPA-5 1613B**
2,3,7,8-TCDF	ND	0.72	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.2	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.3	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.44	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.37	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.36	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.47	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.7	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.56	pg/g	EPA-5 1613B
OCDF	ND	5.6	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	59	(25 - 164)
13C-1,2,3,7,8-PeCDD	59	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	67	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	58	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	59	(23 - 140)
13C-OCDD	50	(17 - 157)
13C-2,3,7,8-TCDF	55	(24 - 169)
13C-1,2,3,7,8-PeCDF	58	(24 - 185)
13C-2,3,4,7,8-PeCDF	59	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	63	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	65	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	63	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	60	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	59	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	64	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	83	(35 - 197)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

QC DATA ASSOCIATION SUMMARY

G1D020440

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1094242	
	SOLID	ASTM D 2216-90		1094269	1094127

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1D020440 **Work Order #...:** MGJD01AA **Matrix.....:** SOLID
MB Lot-Sample #: G1D040000-242

Prep Date.....: 04/04/11 **Instrument ID..:** 9D5
Analysis Date..: 04/06/11 **Prep Batch #...:** 1094242
Dilution Factor: 1

Analyst ID.....: 001212

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.42	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.74	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.38	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.35	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.30	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.46	pg/g	EPA-5 1613B
OCDD	ND	0.72	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.66	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.99	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.1	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.27	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.24	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.24	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.33	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.27	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.40	pg/g	EPA-5 1613B
OCDF	ND	0.46	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	61	(25 - 164)
13C-1,2,3,7,8-PeCDD	56	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	69	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	63	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	71	(23 - 140)
13C-OCDD	60	(17 - 157)
13C-2,3,7,8-TCDF	58	(24 - 169)
13C-1,2,3,7,8-PeCDF	58	(24 - 185)
13C-2,3,4,7,8-PeCDF	59	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	69	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	73	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	72	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	77	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	72	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	71	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1D020440 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242
Prep Date.....: 04/04/11 **Analysis Date..:** 04/06/11
Prep Batch #...: 1094242
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 001212

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	107	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	113	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	114	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	113	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	115	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	114	(70 - 140)	EPA-5 1613B
OCDD	127	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	121	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	111	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	109	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	112	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	109	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	107	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	106	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	106	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	108	(78 - 138)	EPA-5 1613B
OCDF	131	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1D020440 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	63	(20 - 175)
13C-1,2,3,7,8-PeCDD	62	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	67	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	68	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	70	(26 - 166)
13C-OCDD	60	(13 - 199)
13C-2,3,7,8-TCDF	61	(22 - 152)
13C-1,2,3,7,8-PeCDF	62	(21 - 192)
13C-2,3,4,7,8-PeCDF	64	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	71	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	74	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	77	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	76	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	74	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	73	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1D020440 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242
Prep Date.....: 04/04/11 **Analysis Date..:** 04/06/11
Prep Batch #...: 1094242
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 001212

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	21.4	pg/g	107	EPA-5 1613B
1,2,3,7,8-PeCDD	100	113	pg/g	113	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	114	pg/g	114	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	113	pg/g	113	EPA-5 1613B
1,2,3,7,8,9-HxCDD	100	115	pg/g	115	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	100	114	pg/g	114	EPA-5 1613B
OCDD	200	254	pg/g	127	EPA-5 1613B
2,3,7,8-TCDF	20.0	24.3	pg/g	121	EPA-5 1613B
1,2,3,7,8-PeCDF	100	111	pg/g	111	EPA-5 1613B
2,3,4,7,8-PeCDF	100	109	pg/g	109	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	112	pg/g	112	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	109	pg/g	109	EPA-5 1613B
2,3,4,6,7,8-HxCDF	100	107	pg/g	107	EPA-5 1613B
1,2,3,7,8,9-HxCDF	100	106	pg/g	106	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	100	106	pg/g	106	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	100	108	pg/g	108	EPA-5 1613B
OCDF	200	263	pg/g	131	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1D020440 **Work Order #...:** MGJD01AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D040000-242

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	63	(20 - 175)
13C-1,2,3,7,8-PeCDD	62	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	67	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	68	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	70	(26 - 166)
13C-OCDD	60	(13 - 199)
13C-2,3,7,8-TCDF	61	(22 - 152)
13C-1,2,3,7,8-PeCDF	62	(21 - 192)
13C-2,3,4,7,8-PeCDF	64	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	71	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	74	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	77	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	76	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	74	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	73	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, Percent Moisture

TestAmerica Mobile

Client Sample ID: Composite (700-56993-4)

General Chemistry

Lot-Sample #...: G1D020440-001 **Work Order #...:** MGHM6 **Matrix.....:** SOLID
Date Sampled...: 03/31/11 **Date Received..:** 04/02/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	13.9	0.10	%	ASTM D 2216-90	04/04-04/05/11	1094269

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

QC DATA ASSOCIATION SUMMARY

G1D020440

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1094242	
	SOLID	ASTM D 2216-90		1094269	1094127

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G1D020440 **Work Order #...:** MGGXJ-SMP MGGXJ-DUP **Matrix.....:** SOLID

Date Sampled...: 03/03/11 **Date Received..:** 04/02/11

% Moisture.....: 15

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #: G1D010564-001		
	14.8	13.8	%	7.5	(0-20)	ASTM D 2216-90	04/04-04/05/11	1094269

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

Serial Number

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Mobile

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TA Mobile
900 Lakeside Drive
Mobile, AL 36693
www.testamericainc.com
Phone: (251) 666-6633
Fax: (251) 666-6696

Alternate Laboratory Name/Location:
Phone:
Fax:

PROJECT REFERENCE: San Jacinto Waste Pits	PROJECT NO.: 3741-RC-H001	PROJECT LOCATION (STATE): TX	PAGE / OF
(LAB) PROJECT MANAGER: Suzy Lindblom	P. O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY
CLIENT (SITE) PM: Cesar Garcia	CLIENT PHONE: 832-641-0265	CLIENT FAX: 832-425-6960	DATE DUE
CLIENT NAME: USA Environment	CLIENT EMAIL: CGARCIA@USAENVIRO.COM		EXPEDITED REPORT DELIVERY (SURCHARGE)
CLIENT ADDRESS: 10234 Lurcore St, Houston, TX 77017			DATE DUE
COMPANY CONTRACTING THIS WORK (If applicable): USA Environment	SAMPLER'S SIGNATURE: Robert McCammon		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSES: SEE ATTACHED ANALYTE LIST

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3-31-11	0830	Sample #1	/					1	
3-31-11	0833	Sample #2	/					1	
3-31-11	0835	Sample #3	/					1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Robert McCammon	3-31-11	0915						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]	03-31-11	0915						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
[illegible]	4/1/11	820	YES / NO		700-56993	1.9°C #3509

Original - Return to Laboratory with Sample(s)

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)
Metals						
Aluminum	6010B/6020	10	6.4E+04	1.5E+05	NL	6.4E+04
Antimony	6010B/6020	5.0	2.7E+00	8.3E+01	NL	2.7E+00
Arsenic	6010B/6020	5.0	2.5E+00	1.1E+02	4.2E-02	4.2E-02
Cadmium	6010B/6020	0.20	7.5E-01	1.1E+03	4.2E-03	4.2E-03
Chromium	6010B/6020	0.50	1.2E+03	3.6E+04	1.6E-01	1.6E-01
Copper	6010B/6020	0.50	5.2E+02	2.1E+04	1.1E-01	1.1E-01
Lead	6010B/6020	2.0	1.5E+00	5.0E+02	1.1E-01	1.1E-01
Mercury	7471A	0.005	3.9E-03	3.4E+01	7.0E-04	7.0E-04
Nickel	6010B/6020	2.0	7.9E+01	1.4E+03	4.3E-02	4.3E-02
Silver	6010B/6020	0.50	2.4E-01	3.5E+02	1.8E-03	1.8E-03
Zinc	6010B/6020	5.0	1.2E+03	7.6E+04	2.7E-01	2.7E-01
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1.5E+03	--	2.4E+00
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	6.6E+04	--	8.9E+00
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	2.2E+04	--	3.4E+00
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2.3E+03	--	1.1E+00
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3.1E+03	--	1.6E+00
2-Methylnaphthalene	8270C	0.10	8.5E+00	2.5E+03	NL	8.5E+00
2-Methylphenol	8270C	0.10	3.6E+00	7.7E+03	--	3.6E+00
4-Methylphenol	8270C	0.10	3.2E-01	7.7E+02	--	3.2E-01
Acenaphthene	8270C	0.10	1.2E+02	7.4E+03	8.9E-02	8.9E-02
Acenaphthylene	8270C	0.10	2.0E+02	7.4E+03	1.3E-01	1.3E-01
Anthracene	8270C	0.10	3.4E+03	3.7E+04	2.5E-01	2.5E-01
Benz[a]anthracene	8270C	0.10	5.6E+00	1.6E+01	6.9E-01	6.9E-01
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6E+00	7.6E-01	5.6E-01
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	1.6E+01	--	5.7E+00
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3.7E+03	--	1.8E+03
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	1.6E+02	--	5.7E+01
Benzoic acid	8270C	0.60	9.5E+01	6.1E+05	NL	9.5E+01
Benzyl alcohol	8270C	0.10	2.9E+00	4.6E+04	NL	2.9E+00
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	2.4E+02	--	4.3E+01
Butyl benzyl phthalate	8270C	0.10	1.3E+02	3.1E+04	--	1.3E+02
Chrysene	8270C	0.10	5.6E+02	1.6E+03	8.5E-01	8.5E-01
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6E+00	1.3E-01	1.3E-01
Diethyl phthalate	8270C	0.10	7.8E+01	1.2E+05	--	7.8E+01
Dimethyl phthalate	8270C	0.10	3.1E+01	1.2E+05	--	3.1E+01
Di-n-butyl phthalate	8270C	0.10	1.7E+03	1.5E+04	--	1.7E+03
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3.1E+03	--	1.3E+03
Fluoranthene	8270C	0.10	9.6E+02	4.9E+03	1.5E+00	1.5E+00
Fluorene	8270C	0.10	1.5E+02	4.9E+03	1.4E-01	1.4E-01
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9E+00	NL	5.6E-01
Hexachlorobutadiene	8270C	0.10	1.6E+00	3.1E+01	--	1.6E+00
Hexachloroethane	8270C	0.10	9.2E-01	1.5E+02	--	9.2E-01
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	1.6E+01	--	5.7E+00
Naphthalene	8270C	0.10	1.6E+01	2.5E+03	3.9E-01	3.9E-01
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	9.0E+02	--	1.4E+00
Pentachlorophenol	8270C	0.20	9.2E-03	5.6E+01	--	9.2E-03

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Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)
Phenanthrene	8270C	0.10	2.1E+02	3.7E+03	5.4E-01	5.4E-01
Phenol	8270C	0.10	9.6E+00	9.2E+04	--	9.6E+00
Pyrene	8270C	0.10	5.6E+02	3.7E+03	1.4E+00	1.4E+00
Volatile Organic Compounds (VOCs)						
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2.1E+03	NL	7.1E-01
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	1.5E+05	--	8.1E-01
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	2.7E+02	--	1.2E-02
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	9.6E+02	--	1.0E-02
1,1-Dichloroethane	8260B	0.0050	9.2E+00	7.3E+04	--	9.2E+00
1,1-Dichloroethene	8260B	0.0050	2.5E-02	9.1E+01	--	2.5E-02
1,1-Dichloropropene	8260B	0.0050	6.7E-02	5.4E+02	NL	6.7E-02
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	4.6E+02	NL	1.3E+01
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8E+00	NL	2.7E-04
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	3.7E+04	NL	4.9E+00
1,2-Dibromo-3-chloropropane	8260B	0.0050	8.7E-04	1.0E+01	NL	8.7E-04
1,2-Dichloroethane	8260B	0.0050	6.9E-03	6.0E+02	--	6.9E-03
1,2-Dichloropropane	8260B	0.0050	1.1E-02	8.0E+02	--	1.1E-02
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	3.7E+04	NL	2.7E+01
1,3-Dichloropropane	8260B	0.0050	3.2E-02	5.4E+02	NL	3.2E-02
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2.3E+03	NL	1.1E+00
2,2-Dichloropropane	8260B	0.0050	6.0E-02	8.0E+02	NL	6.0E-02
2-Butanone	8260B	0.0050	1.5E+01	4.4E+05	NL	1.5E+01
2-Chlorotoluene	8260B	0.0050	4.5E+00	3.1E+03	NL	4.5E+00
2-Hexanone	8260B	0.0050	1.6E-01	4.4E+04	NL	1.6E-01
4-Chlorotoluene	8260B	0.0050	2.5E+00	1.5E+04	NL	2.5E+00
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL	0.0E+00
4-Methyl-2-Pentanone	8260B	0.0050	2.5E+00	5.9E+04	NL	2.5E+00
Acetone	8260B	0.0050	2.1E+01	7.3E+04	NL	2.1E+01
Benzene	8260B	0.0050	1.3E-02	9.9E+02	--	1.3E-02
Bromobenzene	8260B	0.0050	1.2E+00	1.5E+04	NL	1.2E+00
Bromochloromethane	8260B	0.0050	1.5E+00	2.9E+04	NL	1.5E+00
Bromodichloromethane	8260B	0.0050	3.3E-02	8.8E+02	NL	3.3E-02
Bromoethane	8260B	0.0050	NL	NL	NL	0.0E+00
Bromoform	8260B	0.0050	3.2E-01	6.9E+03	--	3.2E-01
Bromomethane	8260B	0.0050	6.5E-02	1.0E+03	--	6.5E-02
Carbon Disulfide	8260B	0.0050	6.8E+00	7.3E+04	NL	6.8E+00
Carbon Tetrachloride	8260B	0.0050	3.1E-02	4.2E+02	--	3.1E-02
Chlorobenzene	8260B	0.0050	5.5E-01	1.5E+04	--	5.5E-01
Chloroethane	8260B	0.0050	1.5E+01	2.9E+05	--	1.5E+01
Chloroform	8260B	0.0050	5.1E-01	7.3E+03	--	5.1E-01
Chloromethane	8260B	0.0050	2.0E-01	4.2E+03	--	2.0E-01
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7.3E+03	NL	1.2E-01
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	7.3E+01	--	3.3E-03
Dibromochloromethane	8260B	0.0050	2.5E-02	6.5E+02	--	2.5E-02
Dibromomethane	8260B	0.0050	5.6E-01	7.3E+03	NL	5.6E-01
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	1.5E+05	NL	1.2E+02
Ethylbenzene	8260B	0.0050	3.8E+00	7.3E+04	--	3.8E+00
Ethylene Dibromide	8260B	0.0050	1.0E-04	6.4E-01	NL	1.0E-04

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Isopropylbenzene	8260B	0.0050	1.7E+02	7.3E+04	NL	1.7E+02
m,p-Xylene	8260B	0.0050	5.3E+01	1.0E+06	--	5.3E+01
Methyl tert-Butyl Ether	8260B	0.0050	3.1E-01	7.3E+03	NL	3.1E-01
Methylene Chloride	8260B	0.0050	6.5E-03	7.3E+03	--	6.5E-03
Naphthalene	8260B	0.0050	1.6E+01	2.5E+03	NL	1.6E+01
n-Butylbenzene	8260B	0.0050	6.1E+01	6.1E+03	NL	6.1E+01
n-Propylbenzene	8260B	0.0050	2.2E+01	2.9E+04	NL	2.2E+01
o-Xylene	8260B	0.0050	3.5E+01	1.0E+06	--	3.5E+01
sec-Butylbenzene	8260B	0.0050	4.2E+01	2.9E+04	NL	4.2E+01
Styrene	8260B	0.0050	1.6E+00	1.5E+05	NL	1.6E+00
tert-Butylbenzene	8260B	0.0050	5.0E+01	2.9E+04	NL	5.0E+01
Tetrachloroethene	8260B	0.0050	2.5E-02	1.0E+03	--	2.5E-02
Toluene	8260B	0.0050	4.1E+00	1.5E+05	--	4.1E+00
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	1.5E+04	--	2.5E-01
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	5.4E+02	--	1.8E-02
Trichloroethene	8260B	0.0050	1.7E-02	4.4E+03	--	1.7E-02
Trichlorofluoromethane	8260B	0.0050	6.4E+01	2.2E+05	NL	6.4E+01
Vinyl Chloride	8260B	0.0050	1.1E-02	3.6E+01	--	1.1E-02
Organochlorine Pesticides						
DDD	8081A	0.0050	6.5E+00	1.2E+02	--	6.5E+00
DDE	8081A	0.0050	5.9E+00	8.7E+01	--	5.9E+00
DDT	8081A	0.0050	5.4E+00	8.7E+01	5.2E-02	5.2E-02
Aldrin	8081A	0.0050	5.0E-02	8.4E-01	--	5.0E-02
Dieldrin	8081A	0.0050	2.4E-02	8.9E-01	4.3E-03	4.3E-03
alpha-BHC	8081A	0.0050	4.0E-03	4.1E+00	--	4.0E-03
beta-BHC	8081A	0.0050	1.4E-02	1.4E+01	--	1.4E-02
delta-BHC	8081A	0.0050	8.7E-02	1.4E+01	--	8.7E-02
gamma-BHC (Lindane)	8081A	0.0050	4.6E-03	2.0E+01	9.9E-04	9.9E-04
alpha-Chlordane	8081A	0.0050	1.3E+01	4.1E+01	NL	1.3E+01
gamma-Chlordane	8081A	0.0050	7.3E+00	7.3E+01	NL	7.3E+00
alpha-Endosulfan	8081A	0.0050	2.3E+00	3.1E+02	--	2.3E+00
beta-Endosulfan	8081A	0.0050	2.3E+00	9.2E+02	--	2.3E+00
Endosulfan sulfate	8081A	0.0050	3.8E+02	9.2E+02	--	3.8E+02
Endrin	8081A	0.0050	3.8E-01	4.6E+01	--	3.8E-01
Endrin aldehyde	8081A	0.0050	1.9E+01	4.6E+01	NL	1.9E+01
Endrin ketone	8081A	0.0050	1.9E+01	4.6E+01	NL	1.9E+01
Heptachlor	8081A	0.0050	9.4E-02	3.2E+00	--	9.4E-02
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6E+00	--	2.9E-02
Methoxychlor	8081A	0.010	6.2E+01	7.7E+02	--	6.2E+01
Mirex	8081A	0.0050	1.3E+01	NL	--	1.3E+01
cis-Nonachlor	8081A	0.0050	5.6E+00	4.1E+01	NL	5.6E+00
Oxychlordane	8081A	0.0050	5.6E+00	4.1E+01	NL	5.6E+00
Toxaphene	8081A	0.20	1.2E+00	1.3E+01	--	1.2E+00
Trans-Nonachlor	8081A	0.0050	5.6E+00	4.1E+01	NL	5.6E+00
Chlorinated Herbicides						
2,4,5-T	8151	0.020	NL	NL	--	0.0E+00
2,4-D	8151	0.050	NL	2.5E+03	--	2.5E+03
2,4-D	8151	0.20	NL	2.5E+03	--	2.5E+03

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Dalapon	8151	0.050	2.9E-01	4.6E+03	NL	2.9E-01
Dicamba	8151	0.020	7.3E-01	4.6E+03	NL	7.3E-01
Dichlorprop	8151	0.050	2.3E-01	1.5E+03	NL	2.3E-01
Dinoseb	8151	0.020	1.8E-01	1.5E+02	NL	1.8E-01
MCPA	8151	10	1.2E-02	7.7E+01	NL	1.2E-02
MCPP	8151	10	2.3E-02	1.5E+02	NL	2.3E-02
Silvex	8151	0.020	2.6E+00	1.2E+03	NL	2.6E+00
Polychlorinated Biphenyls (PCBs)						
Total PCBs	8082	0.010	1.1E+00	2.3E+00	1.9E-01	1.9E-01
Dioxin/Furans, ng/kg						
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)
OCDD	1613B	10	(3)	(3)	NL	(3)
Furans						
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)
OCDF	1613B	10	(3)	(3)	NL	(3)

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.

NL - Not Listed

-- No value given

	CONTACTOR SUBMITTAL	Date 5/11/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub.No.	**23**

To:	**John LaPlante**	**References:**	Bank Sand - Chemistry
		Drawing/Spec:	
Subject:	**Bank Sand –Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Eastern Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the results of the sample submitted for analysis on the bank sank proposed as the bedding material for the Western Cell.

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	5/11/11		

Reply:

☐ Conforms to design concept
☐ Conforms to design concept with revisions shown
☒ Revise and resubmit
☐ For information only

Comments:

Material proposed is not approved for use at the Site due to elevated 2,3,7,8 TCCD concentration. See attached summary of analytes.

Addressee: Sign and return original to:	**Approved By:**	
	Name:	
Cesar Garcia	**Title:**	
	Date:	

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [signature] Date: 05-16-2011

Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	Bank Sand (mg/kg)	Qualifier
Metals								
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	--	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	0.33	U
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	0.52	
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.33	U
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	2.4	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	--	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	4.2	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.0089	J
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	--	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.012	J
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	--	
Semivolatile Organic Compounds								
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.07	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.07	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	--	
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.015	J
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.07	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53	--	
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.07	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.07	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.0083	
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.0027	J
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.0071	U
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.0071	U
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.0055	J
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.0071	U
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.0028	J
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.0071	U
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.36	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.07	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.07	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.07	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.0071	U
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.0071	U
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.07	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.07	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.07	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.07	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.0071	U
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.0071	U
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.07	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.07	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.07	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.0071	U
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.043	
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.047	J
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.36	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.0071	U
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.07	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.0032	J
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.0052	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.0052	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.0052	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.0052	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	Bank Sand (mg/kg)	Qualifier
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.0052	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.0052	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.0052	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.0052	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.0052	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.0052	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.01	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.0052	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.0052	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.0052	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.0052	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.0052	U
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.0052	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.026	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.0052	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.026	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.0052	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.0052	U
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.026	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.052	U
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.0052	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.0052	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.0052	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.0052	U
Bromoethane	8260B	0.0100	NL	NL	NL		0.0052	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.0052	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.01	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.0052	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.0052	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.0052	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.01	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.0052	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.01	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.0052	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.0052	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.0052	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.0052	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.0052	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.0052	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.0052	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.0052	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.01	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.052	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.0052	U
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.0052	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.0052	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.0052	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.0052	U
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.0052	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.0052	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.0052	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.0052	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.0052	U
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.0052	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.0052	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.0052	U

Table 1
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Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	Bank Sand (mg/kg)	Qualifier
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.0052	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.01	U
Organochlorine Pesticides								
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.0035	U [7]
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.0035	U [7]
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.0035	U [7]
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.0018	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.0035	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.0018	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.0018	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.0018	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.0018	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.0018	U
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.0018	U
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.0018	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.0035	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.0035	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.0035	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.0035	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.0035	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.0018	U
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.0018	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.018	U
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.018	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0018	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.0018	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.18	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0018	U
Chlorinated Herbicides								
2,4,5-T	8151	0.020	NL	NL	--		0.0088	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0088	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	0.0088	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	2.1	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.021	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.11	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.11	U
MCPA	8151	1	1.2E-02	77	NL	0.01	2.1	U
MCPP	8151	1	2.3E-02	150	NL	0.02	2.1	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0088	U
Polychlorinated Biphenyls (PCBs)								
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.071	U
Dioxin/Furans, ng/kg								
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]		
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	2.7	
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.6	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.26	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.22	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.2	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	3.3	J
OCDD	1613B	10	(3)	(3)	NL	(3)	99	
Furans								
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	4.8	
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.64	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.74	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.47	U

Table 1
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Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	Bank Sand (mg/kg)	Qualifier
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.31	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.45	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.31	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	1	U
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	0.4	U
OCDF	1613B	10	(3)	(3)	NL	(3)	31	
TEQ (U=1/2)							3.79	

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given
Non-detect value is greater than Required Fill Chemical Concentration Criteria
Detect value is greater than Required Fill Chemical Concentration Criteria

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 700-57555-1

Job Description: Pesticides in Soils

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
5/6/2011 12:29 PM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
05/06/2011

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

Job Narrative
700-57555-1

Comments
For the metalsAl, Cu, Ni, and Zn were analyzed by 6020 by the TestAmreica West Sacramento laboratory due to unforseen instrument malfunction. These metals are on the -2 report.

Receipt
A Chain-of-Custody (COC) was not received with these samples. No dates or times or analysis on bottles. No labels on bottles. Sub COC Filled out in log-in. Samples arrived 15.69 C 5592.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 99582 recovered outside acceptance criteria, low biased, for 4,6-dinitro-2-methylphenol, benzidine, dinoseb, and benzoic acid. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8270D: The continuing calibration verification (CCV) for 99582 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B/8082A: The continuing calibration verification (CCV) for 4,4-DDT and Methoxychlor recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8081B/8082A: The continuing calibration verification (CCV) associated with batch 99779 recovered outside acceptance criteria, low biased, for Gamma-BHC, heptachlor epoxide, and Endrin. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8151A: The continuing calibration verification (CCV) for batch 99664 recovered above the upper control limit for the analyte 2,4-DB. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 99664 recovered outside acceptance criteria, low biased, for Dalapon. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8151A: The laboratory control sample (LCS) for batch 99615 exceeded control limits for the following analytes: MCPP, 2,4,5-TP, and 2,4,5-T. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8151A: The laboratory control sample duplicate (LCSD) for batch 99615 exceeded control limits for the following analytes: Dicamba, MCPP, MCPA, 2,4-D, 2,4,5-TP, and 2,4,5-T. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8151A: Surrogate recovery for the following sample(s) was outside the upper control limit: USA Enviro Sample (700-57555-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: The batch matrix spike (MS) for batch 99615 recovered high for the following analytes: 2,4-D, 2,4,5-TP, 2,4,5-T, and 2,4-DB. The associated sample was ND; therefore the data has been reported.

Method(s) 8151A: The batch matrix spike duplicate (MSD) for batch 99615 recovered high for the following analytes: 2,4,5-TP, 2,4,5-T, and 2,4-DB. The associated sample was ND; therefore, the data has been reported.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-57555-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL MOB	SW846 8260C	
Purge and Trap	TAL MOB		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL MOB	SW846 8270D	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Semivolatile Organic Compounds by GC/MS - Low Level	TAL MOB	SW846 8270D LL	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Herbicides (GC)	TAL MOB	SW846 8151A	
Extraction (Herbicides)	TAL MOB		SW846 8151A
Metals (ICP/MS)	TAL MOB	SW846 6020	
Preparation, Metals	TAL MOB		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL MOB	SW846 7471B	
Preparation, Mercury	TAL MOB		SW846 7471B
Percent Moisture	TAL MOB	EPA Moisture	

Lab References:

TAL MOB = TestAmerica Mobile

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-57555-1

Method	Analyst	Analyst ID
SW846 8260C	Var, Kerry	KBV
SW846 8270D	Polk, LanHuong N	LNP
SW846 8270D LL	Polk, LanHuong N	LNP
SW846 8081B/8082A	Tran, Luther	LT
SW846 8151A	Baker, Nick J	NJB
SW846 6020	Lawrence, Cheri	CL
SW846 7471B	Phothisat, Phukham N	PNP
EPA Moisture	Nguyen, Tiffany K	TKN

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-57555-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-57555-1	USA Enviro Sample	Solid	04/21/2011 0000	04/22/2011 0900

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-99627	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G042610.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Analysis Date:	04/26/2011 1503			Final Weight/Volume:	5 mL
Prep Date:	04/26/2011 1503				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		5.2	U	1.3	5.2
1,1,1-Trichloroethane		5.2	U	1.6	5.2
1,1,2,2-Tetrachloroethane		5.2	U	1.8	5.2
1,1,2-Trichloroethane		5.2	U	1.3	5.2
1,1-Dichloroethane		5.2	U	1.0	5.2
1,1-Dichloroethene		5.2	U	1.4	5.2
1,1-Dichloropropene		5.2	U	1.5	5.2
1,2,3-Trichlorobenzene		5.2	U	2.1	5.2
1,2,3-Trichloropropane		5.2	U	2.7	5.2
1,2,4-Trimethylbenzene		5.2	U	0.69	5.2
1,2-Dibromo-3-Chloropropane		10	U	3.1	10
1,2-Dichloroethane		5.2	U	2.1	5.2
1,2-Dichloropropane		5.2	U	1.3	5.2
1,3,5-Trimethylbenzene		5.2	U	0.63	5.2
1,3-Dichloropropane		5.2	U	1.4	5.2
1,4-Dichlorobenzene		5.2	U	0.85	5.2
2,2-Dichloropropane		5.2	U	1.5	5.2
2-Butanone (MEK)		26	U	11	26
2-Chlorotoluene		5.2	U	1.1	5.2
2-Hexanone		26	U	11	26
4-Chlorotoluene		5.2	U	0.77	5.2
4-Isopropyltoluene		5.2	U	1.0	5.2
4-Methyl-2-pentanone (MIBK)		26	U	11	26
Acetone		52	U	5.3	52
Benzene		5.2	U	1.1	5.2
Bromobenzene		5.2	U	1.9	5.2
Bromoform		5.2	U	1.1	5.2
Bromomethane		10	U	3.8	10
Carbon disulfide		5.2	U	0.81	5.2
Carbon tetrachloride		5.2	U	1.5	5.2
Chlorobenzene		5.2	U	1.1	5.2
Chlorobromomethane		5.2	U	1.3	5.2
Chlorodibromomethane		5.2	U	1.3	5.2
Chloroethane		10	U	1.6	10
Chloroform		5.2	U	0.85	5.2
Chloromethane		10	U	2.4	10
cis-1,2-Dichloroethene		5.2	U	1.0	5.2
cis-1,3-Dichloropropene		5.2	U	1.0	5.2
Dibromomethane		5.2	U	0.35	5.2
Dichlorobromomethane		5.2	U	1.3	5.2
Dichlorodifluoromethane		5.2	U	1.3	5.2
Ethylbenzene		5.2	U	1.9	5.2
Ethylene Dibromide		5.2	U	1.3	5.2
Isopropylbenzene		5.2	U	0.81	5.2
Methyl tert-butyl ether		52	U	3.3	52
Methylene Chloride		5.2	U	1.7	5.2

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-99627	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G042610.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Analysis Date:	04/26/2011 1503			Final Weight/Volume:	5 mL
Prep Date:	04/26/2011 1503				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		10	U	0.77	10
Naphthalene		5.2	U	3.6	5.2
n-Butylbenzene		5.2	U	1.4	5.2
N-Propylbenzene		5.2	U	0.58	5.2
o-Xylene		5.2	U	0.63	5.2
sec-Butylbenzene		5.2	U	0.72	5.2
Styrene		5.2	U	0.64	5.2
tert-Butylbenzene		5.2	U	0.71	5.2
Tetrachloroethene		5.2	U	0.94	5.2
Toluene		5.2	U	1.0	5.2
trans-1,2-Dichloroethene		5.2	U	1.0	5.2
trans-1,3-Dichloropropene		5.2	U	1.0	5.2
Trichloroethene		5.2	U	0.94	5.2
Trichlorofluoromethane		5.2	U	1.4	5.2
Vinyl chloride		10	U	1.7	10
Xylenes, Total		10	U	1.4	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		30 - 126
Dibromofluoromethane	96		30 - 140
Toluene-d8 (Surr)	93		42 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-99699	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G042709.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	04/27/2011 1347	Run Type:	RA	Final Weight/Volume:	5 mL
Prep Date:	04/27/2011 1347				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromoethane		5.2	U	3.3	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		30 - 126
Dibromofluoromethane	95		30 - 140
Toluene-d8 (Surr)	96		42 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	700-99582	Instrument ID:	SMD
Prep Method:	3550C	Prep Batch:	700-99477	Lab File ID:	D042513.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1645			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		70	U	23	70
1,2-Dichlorobenzene		70	U	38	70
1,4-Dichlorobenzene		15	J	15	70
2,4-Dimethylphenol		70	U	57	70
2-Methylphenol		70	U	61	70
3 & 4 Methylphenol		70	U	38	70
Benzoic acid		360	U	34	360
Benzyl alcohol		70	U	38	70
Bis(2-ethylhexyl) phthalate		70	U	51	70
Butyl benzyl phthalate		70	U	38	70
Diethyl phthalate		70	U	38	70
Dimethyl phthalate		70	U	44	70
Di-n-butyl phthalate		70	U	36	70
Di-n-octyl phthalate		70	U	36	70
Hexachlorobenzene		70	U	38	70
Hexachlorobutadiene		70	U	27	70
Hexachloroethane		70	U	30	70
N-Nitrosodiphenylamine		47	J	38	70
Pentachlorophenol		360	U	30	360
Phenol		70	U	30	70

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79		5.0 - 130
2-Fluorobiphenyl	54		31 - 130
2-Fluorophenol (Surr)	65		10 - 128
Nitrobenzene-d5 (Surr)	52		35 - 130
Phenol-d5 (Surr)	65		29 - 130
Terphenyl-d14 (Surr)	75		37 - 149

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	700-99610	Instrument ID:	SMD
Prep Method:	3550C	Prep Batch:	700-99477	Lab File ID:	D042611.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/26/2011 1505			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,3-Dinitrobenzene		70	U	70	70

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Analysis Method:	8270D LL	Analysis Batch:	700-99544	Instrument ID:	SMB
Prep Method:	3550C	Prep Batch:	700-99477	Lab File ID:	B042517.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1642			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1-Methylnaphthalene		30		1.8	7.1
Acenaphthene		8.3		3.3	7.1
Acenaphthylene		2.7	J	1.9	7.1
Anthracene		7.1	U	4.6	7.1
Benzo[k]fluoranthene		7.1	U	2.7	7.1
Benzo[g,h,i]perylene		2.8	J	2.6	7.1
Benzo[b]fluoranthene		7.1	U	3.0	7.1
Benzo[a]pyrene		5.5	J	3.4	7.1
Benzo[a]anthracene		7.1	U	2.2	7.1
Chrysene		7.1	U	2.0	7.1
Dibenz(a,h)anthracene		7.1	U	4.3	7.1
Fluoranthene		7.1	U	1.9	7.1
Fluorene		7.1	U	3.0	7.1
Naphthalene		43		3.6	7.1
Phenanthrene		7.1	U	2.3	7.1
Pyrene		3.2	J	1.8	7.1
Indeno[1,2,3-cd]pyrene		7.1	U	3.2	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5 (Surr)	46		30 - 130
Terphenyl-d14 (Surr)	61		30 - 149
2-Fluorobiphenyl	43		31 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-99872	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-99779	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/30/2011 0621			Injection Volume:	2 uL
Prep Date:	04/29/2011 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		35	U	3.2	35
PCB-1221		71	U	1.9	71
PCB-1232		35	U	3.9	35
PCB-1242		35	U	3.0	35
PCB-1248		35	U	4.5	35
PCB-1254		35	U	3.3	35
PCB-1260		35	U	2.7	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54		30 - 150
Tetrachloro-m-xylene	54		30 - 150

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-99937	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-99779	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	05/03/2011 1543			Injection Volume:	2 uL
Prep Date:	04/29/2011 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chlordane (technical)		18	U	1.6	18
beta-BHC		1.8	U	0.13	1.8
alpha-Chlordane		1.8	U	0.10	1.8
alpha-BHC		1.8	U	0.13	1.8
Aldrin		1.8	U	0.31	1.8
4,4'-DDT		3.5	U	0.57	3.5
4,4'-DDE		3.5	U	0.32	3.5
4,4'-DDD		3.5	U	0.36	3.5
2,4'-DDT		3.5	U	0.57	3.5
2,4'-DDE		3.5	U	0.32	3.5
2,4'-DDD		3.5	U	0.36	3.5
delta-BHC		1.8	U	0.26	1.8
Dieldrin		3.5	U	0.27	3.5
Endosulfan, alpha		1.8	U	0.13	1.8
Endosulfan, beta		3.5	U	0.41	3.5
Endosulfan sulfate		3.5	U	0.36	3.5
Endrin		3.5	U	0.40	3.5
Endrin aldehyde		3.5	U	0.40	3.5
Endrin ketone		3.5	U	0.32	3.5
gamma-BHC (Lindane)		1.8	U	0.12	1.8
gamma-Chlordane		1.8	U	0.11	1.8
Heptachlor		1.8	U	0.20	1.8
Heptachlor epoxide		1.8	U	0.14	1.8
Methoxychlor		18	U	0.30	18
Mirex		18	U	18	18
Toxaphene		180	U	12	180

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-99966	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-99779	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	05/04/2011 1844			Injection Volume:	2 uL
Prep Date:	04/29/2011 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-Nonachlor		1.8	U	0.022	1.8
oxy-Chlordane		1.8	U	0.018	1.8
trans-Nonachlor		1.8	U	0.043	1.8

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	700-99664	Instrument ID:	SGY
Prep Method:	8151A	Prep Batch:	700-99615	Initial Weight/Volume:	50.0 g
Dilution:	4.0			Final Weight/Volume:	5.0 mL
Analysis Date:	04/27/2011 1210			Injection Volume:	0.5 uL
Prep Date:	04/26/2011 0700			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-T		8.8	U *	1.4	8.8
2,4-D		8.8	U *	3.1	8.8
2,4-DB		8.8	U	5.1	8.8
Dalapon		2100	U	0.97	2100
Dicamba		21	U *	1.7	21
Dichlorprop		110	U	1.4	110
Dinoseb		110	U	1.7	110
MCPA		2100	U *	51	2100
MCPP		2100	U *	97	2100
Silvex (2,4,5-TP)		8.8	U *	1.8	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	155	X	10 - 135

Client: USA Environment,LP

Job Number: 700-57555-1

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	700-99736	Instrument ID:	ICPMS
Prep Method:	3050B	Prep Batch:	700-99640	Lab File ID:	161SMPL.D#.raw
Dilution:	10			Initial Weight/Volume:	0.80 g
Analysis Date:	04/29/2011 2158			Final Weight/Volume:	50 mL
Prep Date:	04/27/2011 1101				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Ag		0.012	J	0.0066	0.066
As		0.52		0.072	0.33
Cd		0.33	U	0.13	0.33
Cr		2.4		0.13	0.33
Pb		4.2		0.049	0.16
Sb		0.33	U	0.079	0.33

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	700-99620	Instrument ID:	LEEMAN HYDRA
Prep Method:	7471B	Prep Batch:	700-99533	Lab File ID:	04262011-3.CSV
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	04/26/2011 1643			Final Weight/Volume:	40 mL
Prep Date:	04/25/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0089	J	0.0085	0.015

General Chemistry

Client Sample ID: **USA Enviro Sample**

Lab Sample ID: 700-57555-1

Client Matrix: Solid

Date Sampled: 04/21/2011 0000

Date Received: 04/22/2011 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-99543	Analysis Date: 04/25/2011 1310						DryWt Corrected: N
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-99543	Analysis Date: 04/25/2011 1310						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-57555-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99627

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-99627/6	Analysis Batch:	700-99627	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042607.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/26/2011 1329	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/26/2011 1329				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	1.5	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.7	5.0
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,1-Dichloroethene	5.0	U	1.3	5.0
1,1-Dichloropropene	5.0	U	1.4	5.0
1,2,3-Trichlorobenzene	5.0	U	2.0	5.0
1,2,3-Trichloropropane	5.0	U	2.6	5.0
1,2,4-Trimethylbenzene	5.0	U	0.66	5.0
1,2-Dibromo-3-Chloropropane	10	U	3.0	10
1,2-Dichloroethane	5.0	U	2.0	5.0
1,2-Dichloropropane	5.0	U	1.2	5.0
1,3,5-Trimethylbenzene	5.0	U	0.60	5.0
1,3-Dichloropropane	5.0	U	1.3	5.0
1,4-Dichlorobenzene	5.0	U	0.82	5.0
2,2-Dichloropropane	5.0	U	1.4	5.0
2-Butanone (MEK)	25	U	11	25
2-Chlorotoluene	5.0	U	1.1	5.0
2-Hexanone	25	U	11	25
4-Chlorotoluene	5.0	U	0.74	5.0
4-Isopropyltoluene	5.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)	25	U	11	25
Acetone	5.65	J	5.1	50
Benzene	5.0	U	1.1	5.0
Bromobenzene	5.0	U	1.8	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	10	U	3.6	10
Carbon disulfide	5.0	U	0.78	5.0
Carbon tetrachloride	5.0	U	1.4	5.0
Chlorobenzene	5.0	U	1.1	5.0
Chlorobromomethane	5.0	U	1.2	5.0
Chlorodibromomethane	5.0	U	1.2	5.0
Chloroethane	10	U	1.5	10
Chloroform	5.0	U	0.82	5.0
Chloromethane	10	U	2.3	10
cis-1,2-Dichloroethene	5.0	U	0.96	5.0
cis-1,3-Dichloropropene	5.0	U	1.0	5.0
Dibromomethane	5.0	U	0.34	5.0
Dichlorobromomethane	5.0	U	1.2	5.0
Dichlorodifluoromethane	5.0	U	1.2	5.0
Ethylbenzene	5.0	U	1.8	5.0
Ethylene Dibromide	5.0	U	1.2	5.0
Isopropylbenzene	5.0	U	0.78	5.0
Methyl tert-butyl ether	50	U	3.2	50

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99627

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-99627/6	Analysis Batch:	700-99627	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042607.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/26/2011 1329	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/26/2011 1329				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methylene Chloride	5.0	U	1.6	5.0
m-Xylene & p-Xylene	10	U	0.74	10
Naphthalene	5.0	U	3.5	5.0
n-Butylbenzene	5.0	U	1.3	5.0
N-Propylbenzene	5.0	U	0.56	5.0
o-Xylene	5.0	U	0.60	5.0
sec-Butylbenzene	5.0	U	0.69	5.0
Styrene	5.0	U	0.61	5.0
tert-Butylbenzene	5.0	U	0.68	5.0
Tetrachloroethene	5.0	U	0.90	5.0
Toluene	5.0	U	1.0	5.0
trans-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,3-Dichloropropene	5.0	U	0.97	5.0
Trichloroethene	5.0	U	0.90	5.0
Trichlorofluoromethane	5.0	U	1.3	5.0
Vinyl chloride	10	U	1.6	10
Xylenes, Total	10	U	1.3	10
Bromoethane	5.0	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	30 - 126
Dibromofluoromethane	96	30 - 140
Toluene-d8 (Surr)	95	42 - 130

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	50 - 150
Dibromofluoromethane	97	50 - 150
Toluene-d8 (Surr)	93	50 - 150

Client: USA Environment,LP

Job Number: 700-57555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99627

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-99627/3	Analysis Batch:	700-99627	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/26/2011 1149	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/26/2011 1149				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-99627/4	Analysis Batch:	700-99627	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042605.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/26/2011 1220	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/26/2011 1220				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	65	72	48 - 154	9	46		
Benzene	75	83	69 - 137	11	42		
Chlorobenzene	82	90	70 - 138	10	34		
Toluene	81	91	66 - 141	12	32		
Trichloroethene	83	90	68 - 138	7	34		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	99	30 - 126
Dibromofluoromethane	97	101	30 - 140
Toluene-d8 (Surr)	94	95	42 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99627

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-99627/3	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-99627/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/26/2011 1149			Analysis Date:	04/26/2011 1220
Prep Date:	04/26/2011 1149			Prep Date:	04/26/2011 1220
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethene	25.0	25.0	16.4	17.9
Benzene	25.0	25.0	18.6	20.8
Chlorobenzene	25.0	25.0	20.5	22.6
Toluene	25.0	25.0	20.3	22.9
Trichloroethene	25.0	25.0	20.9	22.4

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99699

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-99699/6	Analysis Batch:	700-99699	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042706.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/27/2011 1213	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/27/2011 1213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	5.0	U	1.5	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.7	5.0
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,1-Dichloroethene	5.0	U	1.3	5.0
1,2-Dichloroethane	5.0	U	2.0	5.0
1,2-Dichloropropane	5.0	U	1.2	5.0
1,4-Dichlorobenzene	5.0	U	0.82	5.0
2-Butanone (MEK)	25	U	11	25
2-Hexanone	25	U	11	25
4-Methyl-2-pentanone (MIBK)	25	U	11	25
Acetone	6.43	J	5.1	50
Benzene	5.0	U	1.1	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	10	U	3.6	10
Carbon disulfide	5.0	U	0.78	5.0
Carbon tetrachloride	5.0	U	1.4	5.0
Chlorobenzene	5.0	U	1.1	5.0
Chlorodibromomethane	5.0	U	1.2	5.0
Chloroethane	10	U	1.5	10
Chloroform	5.0	U	0.82	5.0
Chloromethane	10	U	2.3	10
cis-1,2-Dichloroethene	5.0	U	0.96	5.0
cis-1,3-Dichloropropene	5.0	U	1.0	5.0
Dichlorobromomethane	5.0	U	1.2	5.0
Dichlorodifluoromethane	5.0	U	1.2	5.0
Ethylbenzene	5.0	U	1.8	5.0
Methyl tert-butyl ether	50	U	3.2	50
Methylene Chloride	5.0	U	1.6	5.0
m-Xylene & p-Xylene	10	U	0.74	10
Naphthalene	5.0	U	3.5	5.0
o-Xylene	5.0	U	0.60	5.0
Styrene	5.0	U	0.61	5.0
Tetrachloroethene	5.0	U	0.90	5.0
Toluene	1.22	J	1.0	5.0
trans-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,3-Dichloropropene	5.0	U	0.97	5.0
Trichloroethene	5.0	U	0.90	5.0
Trichlorofluoromethane	5.0	U	1.3	5.0
Vinyl chloride	10	U	1.6	10
Xylenes, Total	10	U	1.3	10
Bromoethane	5.0	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	30 - 126

Client: USA Environment,LP

Job Number: 700-57555-1

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	99	30 - 140
Toluene-d8 (Surr)	95	42 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99699

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-99699/4	Analysis Batch:	700-99699	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/27/2011 1111	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/27/2011 1111				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-99699/5	Analysis Batch:	700-99699	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G042705.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/27/2011 1142	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/27/2011 1142				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	74	77	48 - 154	4	46		
Benzene	86	87	69 - 137	1	42		
Chlorobenzene	90	92	70 - 138	2	34		
Toluene	95	96	66 - 141	1	32		
Trichloroethene	95	94	68 - 138	1	34		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	93	96	30 - 126
Dibromofluoromethane	95	103	30 - 140
Toluene-d8 (Surr)	97	94	42 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99699

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-99699/4	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-99699/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/27/2011 1111			Analysis Date:	04/27/2011 1142
Prep Date:	04/27/2011 1111			Prep Date:	04/27/2011 1142
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethene	25.0	25.0	18.5	19.3
Benzene	25.0	25.0	21.5	21.7
Chlorobenzene	25.0	25.0	22.5	23.0
Toluene	25.0	25.0	23.8	23.9
Trichloroethene	25.0	25.0	23.8	23.6

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99477

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 700-99477/1-A	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	D042508.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1425	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	66	U	22	66
1,2-Dichlorobenzene	66	U	36	66
1,4-Dichlorobenzene	66	U	14	66
2,4-Dimethylphenol	66	U	54	66
2-Methylphenol	66	U	58	66
3 & 4 Methylphenol	66	U	36	66
Benzoic acid	340	U	32	340
Benzyl alcohol	66	U	36	66
Bis(2-ethylhexyl) phthalate	66	U	48	66
Butyl benzyl phthalate	66	U	36	66
Diethyl phthalate	66	U	36	66
Dimethyl phthalate	66	U	42	66
Di-n-butyl phthalate	66	U	34	66
Di-n-octyl phthalate	66	U	34	66
Hexachlorobenzene	66	U	36	66
Hexachlorobutadiene	66	U	26	66
Hexachloroethane	66	U	28	66
N-Nitrosodiphenylamine	66	U	36	66
Pentachlorophenol	340	U	28	340
Phenol	66	U	28	66

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	80	5.0 - 130
2-Fluorobiphenyl	68	31 - 130
2-Fluorophenol (Surr)	74	10 - 128
Nitrobenzene-d5 (Surr)	67	35 - 130
Phenol-d5 (Surr)	74	29 - 130
Terphenyl-d14 (Surr)	80	37 - 149

Method Blank - Batch: 700-99477

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 700-99477/1-A	Analysis Batch:	700-99610	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	D042610.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/26/2011 1438	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,3-Dinitrobenzene	66	U	66	66

Client: USA Environment,LP

Job Number: 700-57555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99477

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-99477/2-A	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	D042509.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1452	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-99477/3-A	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	D042510.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1519	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	62	64	34 - 130	3	22		
1,4-Dichlorobenzene	55	57	30 - 130	4	31		
Pentachlorophenol	68	67	34 - 133	1	55		
Phenol	60	62	32 - 130	4	39		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90	91	5.0 - 130
2-Fluorobiphenyl	67	69	31 - 130
2-Fluorophenol (Surr)	65	70	10 - 128
Nitrobenzene-d5 (Surr)	61	64	35 - 130
Phenol-d5 (Surr)	67	70	29 - 130
Terphenyl-d14 (Surr)	81	77	37 - 149

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99477

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-99477/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-99477/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	04/25/2011 1452			Analysis Date:	04/25/2011 1519
Prep Date:	04/22/2011 1127			Prep Date:	04/22/2011 1127
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	1670	1670	1040	1070
1,4-Dichlorobenzene	1670	1670	916	951
Pentachlorophenol	3330	3330	2270	2250
Phenol	3330	3330	1990	2070

Client: USA Environment,LP

Job Number: 700-57555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-99477

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	700-57555-A-1-D MS	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	D042516.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1807			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	700-57555-1	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	D042517.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1835			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	51	47	34 - 130	8	22		
1,4-Dichlorobenzene	43	41	30 - 130	4	31		
Pentachlorophenol	64	69	34 - 133	7	55		
Phenol	60	51	32 - 130	17	39		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90	79	5.0 - 130
2-Fluorobiphenyl	56	50	31 - 130
2-Fluorophenol (Surr)	64	55	10 - 128
Nitrobenzene-d5 (Surr)	54	47	35 - 130
Phenol-d5 (Surr)	68	59	29 - 130
Terphenyl-d14 (Surr)	85	71	37 - 149

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-99477

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	700-57555-A-1-D MS	Units:	ug/Kg	MSD Lab Sample ID:	700-57555-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	04/25/2011 1807			Analysis Date:	04/25/2011 1835
Prep Date:	04/22/2011 1127			Prep Date:	04/22/2011 1127
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,2,4-Trichlorobenzene	0.000	U	1760	1760	901	830
1,4-Dichlorobenzene	14.6	J	1760	1760	750	719
Pentachlorophenol	0.000	U	3520	3520	2250	2420
Phenol	21.4	U	3520	3520	2110	1790

Client: USA Environment,LP

Job Number: 700-57555-1

Method Reporting Limit Check - Batch: 700-99582

Method: 8270D
Preparation: N/A

Lab Sample ID:	MRL 700-99582/3	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D042506.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/25/2011 1330	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	10000	10100	101	50 - 150	
1,2-Dichlorobenzene	10000	9940	99	50 - 150	
1,4-Dichlorobenzene	10000	9860	99	50 - 150	
2,4-Dimethylphenol	10000	9570	96	50 - 150	
Bis(2-ethylhexyl) phthalate	10000	8940	89	50 - 150	
Butyl benzyl phthalate	10000	9120	91	50 - 150	
Diethyl phthalate	10000	9520	95	50 - 150	
Dimethyl phthalate	10000	9880	99	50 - 150	
Di-n-butyl phthalate	10000	10500	105	50 - 150	
Di-n-octyl phthalate	10000	10100	101	50 - 150	
Hexachlorobenzene	10000	10200	102	50 - 150	
Hexachlorobutadiene	10000	10300	103	50 - 150	
Hexachloroethane	10000	9410	94	50 - 150	
N-Nitrosodiphenylamine	10000	9900	99	50 - 150	
Pentachlorophenol	10000	6930	69	50 - 150	
Phenol	10000	9850	98	50 - 150	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	103	50 - 150
2-Fluorobiphenyl	101	50 - 150
2-Fluorophenol (Surr)	101	50 - 150
Nitrobenzene-d5 (Surr)	96	50 - 150
Phenol-d5 (Surr)	96	50 - 150
Terphenyl-d14 (Surr)	90	50 - 150

Method Reporting Limit Check - Batch: 700-99582

Method: 8270D
Preparation: N/A

Lab Sample ID:	MRL 700-99582/4	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D042507.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/25/2011 1357	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2000	2050	103	50 - 150	
1,2-Dichlorobenzene	2000	1980	99	50 - 150	
1,4-Dichlorobenzene	2000	2050	103	50 - 150	
2,4-Dimethylphenol	2000	1870	94	50 - 150	
Bis(2-ethylhexyl) phthalate	2000	2010	101	50 - 150	
Butyl benzyl phthalate	2000	1740	87	50 - 150	
Diethyl phthalate	2000	1870	94	50 - 150	
Dimethyl phthalate	2000	1960	98	50 - 150	

Client: USA Environment,LP

Job Number: 700-57555-1

Method Reporting Limit Check - Batch: 700-99582

Method: 8270D
Preparation: N/A

Lab Sample ID:	MRL 700-99582/4	Analysis Batch:	700-99582	Instrument ID:	SMD
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D042507.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/25/2011 1357	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Di-n-butyl phthalate	2000	2000	100	50 - 150	
Di-n-octyl phthalate	2000	1950	98	50 - 150	
Hexachlorobenzene	2000	2030	101	50 - 150	
Hexachlorobutadiene	2000	2090	105	50 - 150	
Hexachloroethane	2000	1880	94	50 - 150	
N-Nitrosodiphenylamine	2000	1970	99	50 - 150	
Pentachlorophenol	2000	835	42	50 - 150	^
Phenol	2000	1870	93	50 - 150	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	88	50 - 150
2-Fluorobiphenyl	100	50 - 150
2-Fluorophenol (Surr)	92	50 - 150
Nitrobenzene-d5 (Surr)	94	50 - 150
Phenol-d5 (Surr)	93	50 - 150
Terphenyl-d14 (Surr)	95	50 - 150

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99477

Method: 8270D LL
Preparation: 3550C

Lab Sample ID:	MB 700-99477/1-A	Analysis Batch:	700-99544	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	B042505.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1009	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1-Methylnaphthalene	6.7	U	1.7	6.7
Acenaphthene	6.7	U	3.1	6.7
Acenaphthylene	6.7	U	1.8	6.7
Anthracene	6.7	U	4.4	6.7
Benzo[k]fluoranthene	6.7	U	2.6	6.7
Benzo[g,h,i]perylene	6.7	U	2.5	6.7
Benzo[b]fluoranthene	6.7	U	2.8	6.7
Benzo[a]pyrene	6.7	U	3.2	6.7
Benzo[a]anthracene	6.7	U	2.1	6.7
Chrysene	6.7	U	1.9	6.7
Dibenz(a,h)anthracene	6.7	U	4.1	6.7
Fluoranthene	6.7	U	1.8	6.7
Fluorene	6.7	U	2.8	6.7
Naphthalene	6.7	U	3.4	6.7
Phenanthrene	6.7	U	2.2	6.7
Pyrene	6.7	U	1.7	6.7
Indeno[1,2,3-cd]pyrene	6.7	U	3.0	6.7

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	62	30 - 130
Terphenyl-d14 (Surr)	86	30 - 149
2-Fluorobiphenyl	63	31 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99477

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-99477/2-A	Analysis Batch:	700-99544	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	B042506.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1040	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-99477/3-A	Analysis Batch:	700-99544	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	B042507.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1111	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1-Methylnaphthalene	56	58	30 - 140	4	50		
Acenaphthene	58	58	34 - 134	0	49		
Acenaphthylene	61	61	44 - 140	1	48		
Anthracene	68	67	44 - 126	3	27		
Benzo[k]fluoranthene	62	69	30 - 147	10	48		
Benzo[g,h,i]perylene	58	72	32 - 133	21	50		
Benzo[b]fluoranthene	64	66	34 - 138	3	51		
Benzo[a]pyrene	67	73	30 - 132	9	55		
Benzo[a]anthracene	67	65	39 - 134	2	43		
Dibenz(a,h)anthracene	59	72	32 - 134	20	50		
Fluoranthene	69	67	39 - 139	2	50		
Fluorene	63	61	41 - 130	3	50		
Naphthalene	54	55	26 - 140	3	34		
Phenanthrene	67	66	45 - 129	2	30		
Pyrene	74	71	32 - 130	4	42		
Indeno[1,2,3-cd]pyrene	59	72	26 - 140	20	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	54	57	30 - 130
Terphenyl-d14 (Surr)	75	73	30 - 149
2-Fluorobiphenyl	54	57	31 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99477

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-99477/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-99477/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/25/2011 1040			Analysis Date:	04/25/2011 1111
Prep Date:	04/22/2011 1127			Prep Date:	04/22/2011 1127
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1-Methylnaphthalene	667	667	370	384
Acenaphthene	2330	2330	1350	1340
Acenaphthylene	667	667	408	405
Anthracene	667	667	456	444
Benzo[k]fluoranthene	667	667	416	457
Benzo[g,h,i]perylene	667	667	389	480
Benzo[b]fluoranthene	667	667	427	438
Benzo[a]pyrene	667	667	444	487
Benzo[a]anthracene	667	667	444	434
Dibenz(a,h)anthracene	667	667	393	482
Fluoranthene	667	667	461	450
Fluorene	667	667	419	408
Naphthalene	667	667	360	369
Phenanthrene	667	667	447	439
Pyrene	2330	2330	1730	1660
Indeno[1,2,3-cd]pyrene	667	667	393	481

Client: USA Environment,LP

Job Number: 700-57555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-99477

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-57555-1	Analysis Batch:	700-99544	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	B042513.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1420			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	700-57555-1	Analysis Batch:	700-99544	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-99477	Lab File ID:	B042512.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/25/2011 1349			Final Weight/Volume:	1.0 mL
Prep Date:	04/22/2011 1127			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1-Methylnaphthalene	49	48	30 - 140	3	50		
Acenaphthene	52	51	34 - 134	2	49		
Acenaphthylene	55	52	44 - 140	4	48		
Anthracene	69	65	44 - 126	6	27		
Benzo[k]fluoranthene	80	73	30 - 147	10	48		
Benzo[g,h,i]perylene	81	66	32 - 133	20	50		
Benzo[b]fluoranthene	87	73	34 - 138	17	51		
Benzo[a]pyrene	95	83	30 - 132	13	55		
Benzo[a]anthracene	73	67	39 - 134	8	43		
Dibenz(a,h)anthracene	91	74	32 - 134	21	50		
Fluoranthene	71	71	39 - 139	0	50		
Fluorene	58	56	41 - 130	3	50		
Naphthalene	47	46	26 - 140	2	34		
Phenanthrene	66	62	45 - 129	6	30		
Pyrene	71	68	32 - 130	5	42		
Indeno[1,2,3-cd]pyrene	87	72	26 - 140	19	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	53	49	30 - 130
Terphenyl-d14 (Surr)	73	72	30 - 149
2-Fluorobiphenyl	51	47	31 - 130

Client: USA Environment,LP

Job Number: 700-57555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-99477

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-57555-1	Units:	ug/Kg	MSD Lab Sample ID:	700-57555-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	2.0
Analysis Date:	04/25/2011 1420			Analysis Date:	04/25/2011 1349
Prep Date:	04/22/2011 1127			Prep Date:	04/22/2011 1127
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1-Methylnaphthalene	30.5		703	703	378	368
Acenaphthene	8.26		2460	2460	1290	1260
Acenaphthylene	2.73	J	703	703	387	371
Anthracene	0.000	U	703	703	485	458
Benzo[k]fluoranthene	0.000	U	703	703	563	510
Benzo[g,h,i]perylene	2.77	J	703	703	575	469
Benzo[b]fluoranthene	0.000	U	703	703	611	515
Benzo[a]pyrene	5.53	J	703	703	672	591
Benzo[a]anthracene	0.000	U	703	703	513	473
Dibenz(a,h)anthracene	0.000	U	703	703	639	517
Fluoranthene	1.46	U	703	703	497	497
Fluorene	1.72	U	703	703	406	395
Naphthalene	43.0		703	703	371	364
Phenanthrene	1.54	U	703	703	463	435
Pyrene	3.15	J	2460	2460	1760	1670
Indeno[1,2,3-cd]pyrene	0.000	U	703	703	614	506

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99779

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-99779/1-A	Analysis Batch:	700-99872	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-99779	Lab File ID:	Z042928.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/30/2011 0038	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/29/2011 1200			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	33	U	3.0	33
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	61	30 - 150
Tetrachloro-m-xylene	66	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99779

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-99779/15-A	Analysis Batch:	700-99872	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-99779	Lab File ID:	Z042929.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/30/2011 0109	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/29/2011 1200			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY
LCSD Lab Sample ID:	LCSD 700-99779/16-A	Analysis Batch:	700-99872	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-99779	Lab File ID:	Z042930.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	04/30/2011 0141	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/29/2011 1200			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	83	72	33 - 130	14	44		
PCB-1260	88	84	39 - 134	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	59	60	30 - 150
Tetrachloro-m-xylene	69	57	30 - 150

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99779

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-99779/15-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-99779/16-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	04/30/2011 0109			Analysis Date:	04/30/2011 0141
Prep Date:	04/29/2011 1200			Prep Date:	04/29/2011 1200
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	333	333	278	241
PCB-1260	333	333	293	281

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99615

Method: 8151A
Preparation: 8151A

Lab Sample ID:	MB 700-99615/1-A	Analysis Batch:	700-99664	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-99615	Lab File ID:	Y042704.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/27/2011 1009	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/26/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2,4,5-T	8.3	U	1.3	8.3
2,4-D	8.3	U	2.9	8.3
2,4-DB	8.3	U	4.8	8.3
Dalapon	2000	U	0.92	2000
Dicamba	20	U	1.6	20
Dichlorprop	100	U	1.3	100
Dinoseb	100	U	1.6	100
MCPA	2000	U	48	2000
MCPP	2000	U	92	2000
Silvex (2,4,5-TP)	8.3	U	1.7	8.3

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	113	10 - 135

Client: USA Environment,LP

Job Number: 700-57555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99615

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-99615/2-A	Analysis Batch:	700-99664	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-99615	Lab File ID:	Y042705.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/27/2011 1049	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/26/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-99615/3-A	Analysis Batch:	700-99664	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-99615	Lab File ID:	Y042706.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/27/2011 1129	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	04/26/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-T	138	170	19 - 121	21	40	*	*
2,4-D	134	164	16 - 141	20	106		*
2,4-DB	78	60	10 - 157	25	68		
Dalapon	79	109	10 - 271	32	190	J	J
Dicamba	104	134	11 - 133	26	50		*
Dichlorprop	99	113	10 - 138	13	46	J	J
Dinoseb	50	54	10 - 190	9	312	J	J
MCPA	109	130	10 - 114	18	178		*
MCPP	112	116	10 - 108	4	109	*	*
Silvex (2,4,5-TP)	122	155	29 - 120	24	40	*	*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	98	120	10 - 135

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99615

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-99615/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-99615/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	4.0			Dilution:	4.0
Analysis Date:	04/27/2011 1049			Analysis Date:	04/27/2011 1129
Prep Date:	04/26/2011 0700			Prep Date:	04/26/2011 0700
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2,4,5-T	20.0	20.0	27.6	*	34.0	*
2,4-D	20.0	20.0	26.9		32.8	*
2,4-DB	20.0	20.0	15.5		12.0	
Dalapon	20.0	20.0	15.8	J	21.8	J
Dicamba	20.0	20.0	20.7		26.9	*
Dichlorprop	20.0	20.0	19.8	J	22.7	J
Dinoseb	20.0	20.0	9.92	J	10.8	J
MCPA	2000	2000	2180		2600	*
MCPP	2000	2000	2240	*	2330	*
Silvex (2,4,5-TP)	20.0	20.0	24.4	*	30.9	*

Client: USA Environment,LP

Job Number: 700-57555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-99615

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-57555-1	Analysis Batch:	700-99664	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-99615	Lab File ID:	Y042708.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/27/2011 1250			Final Weight/Volume:	5.0 mL
Prep Date:	04/26/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	700-57555-1	Analysis Batch:	700-99664	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-99615	Lab File ID:	Y042709.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	04/27/2011 1330			Final Weight/Volume:	5.0 mL
Prep Date:	04/26/2011 0700			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4,5-T	179	181	27 - 168	1	59	F	F
2,4-D	164	146	26 - 159	12	47	F	
2,4-DB	190	192	10 - 181	1	40	F	F
Dalapon	124	140	1.0 - 213	12	40	J	J
Dicamba	124	127	29 - 145	3	40		
Dichlorprop	83	92	28 - 100	11	40	J	J
Dinoseb	85	79	1.0 - 130	8	50	J	J
MCPA	126	132	29 - 134	4	50		
MCPP	97	100	13 - 157	3	50	J	
Silvex (2,4,5-TP)	161	169	32 - 134	5	51	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	107	91	10 - 135

Client: USA Environment,LP

Job Number: 700-57555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-99615

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-57555-1	Units:	ug/Kg	MSD Lab Sample ID:	700-57555-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	4.0			Dilution:	4.0
Analysis Date:	04/27/2011 1250			Analysis Date:	04/27/2011 1330
Prep Date:	04/26/2011 0700			Prep Date:	04/26/2011 0700
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2,4,5-T	8.8	U	21.1	21.1	37.8	F	38.3	F
2,4-D	8.8	U	21.1	21.1	34.6	F	30.7	
2,4-DB	8.8	U	21.1	21.1	40.1	F	40.4	F
Dalapon	2100	U	21.1	21.1	26.2	J	29.5	J
Dicamba	21	U	21.1	21.1	26.1		26.8	
Dichlorprop	110	U	21.1	21.1	17.5	J	19.5	J
Dinoseb	110	U	21.1	21.1	17.9	J	16.6	J
MCPA	2100	U	2110	2110	2660		2780	
MCPP	2100	U	2110	2110	2040	J	2100	
Silvex (2,4,5-TP)	8.8	U	21.1	21.1	34.0	F	35.6	F

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99640

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 700-99640/1-A	Analysis Batch:	700-99736	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-99640	Lab File ID:	147SMPL.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/29/2011 1827	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/27/2011 1101				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ag	0.20	U	0.020	0.20
As	1.0	U	0.22	1.0
Cd	1.0	U	0.40	1.0
Cr	1.0	U	0.38	1.0
Pb	0.50	U	0.15	0.50
Sb	1.0	U	0.24	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99640

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-99640/2-A	Analysis Batch:	700-99736	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-99640	Lab File ID:	140SMPL.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/29/2011 1632	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/27/2011 1101				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-99640/3-A	Analysis Batch:	700-99736	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-99640	Lab File ID:	141SMPL.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/29/2011 1649	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/27/2011 1101				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ag	104	99	75 - 125	5	20		
As	100	95	75 - 125	6	20		
Cd	99	94	75 - 125	5	20		
Cr	101	96	75 - 125	5	20		
Pb	98	92	75 - 125	6	20		
Sb	98	93	75 - 125	5	20		

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99640

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-99640/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-99640/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	04/29/2011 1632			Analysis Date:	04/29/2011 1649
Prep Date:	04/27/2011 1101			Prep Date:	04/27/2011 1101
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ag	100	100	104	98.8
As	100	100	100	95.1
Cd	100	100	98.6	93.6
Cr	100	100	101	95.8
Pb	100	100	97.7	92.3
Sb	100	100	97.5	93.1

Client: USA Environment,LP

Job Number: 700-57555-1

Method Blank - Batch: 700-99533

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 700-99533/1-A	Analysis Batch:	700-99620	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-99533	Lab File ID:	04262011-3.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/26/2011 1601	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/25/2011 0945				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.014	U	0.0082	0.014

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-99533

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-99533/2-A	Analysis Batch:	700-99620	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-99533	Lab File ID:	04262011-3.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/26/2011 1608	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/25/2011 0945				
Leach Date:	N/A				
LCSD Lab Sample ID:	LCSD 700-99533/3-A	Analysis Batch:	700-99620	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-99533	Lab File ID:	04262011-3.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/26/2011 1610	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	04/25/2011 0945				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	105	106	80 - 120	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-99533

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-99533/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-99533/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/26/2011 1608			Analysis Date:	04/26/2011 1610
Prep Date:	04/25/2011 0945			Prep Date:	04/25/2011 0945
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.267	0.267	0.280	0.284

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Chronicle

Lab ID: **700-57555-1** **Client ID:** **USA Enviro Sample**

Sample Date/Time: 04/21/2011 00:00 Received Date/Time: 04/22/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	700-57555-C-1		700-99627		04/26/2011 15:03	1	TAL MOB	KBV
A:8260C	700-57555-C-1		700-99627		04/26/2011 15:03	1	TAL MOB	KBV
P:5030C	700-57555-C-1	RA	700-99699		04/27/2011 13:47	1	TAL MOB	KBV
A:8260C	700-57555-C-1	RA	700-99699		04/27/2011 13:47	1	TAL MOB	KBV
P:3550C	700-57555-A-1-A		700-99582	700-99477	04/22/2011 11:27	1	TAL MOB	TV
A:8270D	700-57555-A-1-A		700-99582	700-99477	04/25/2011 16:45	1	TAL MOB	LNP
P:3550C	700-57555-A-1-A		700-99610	700-99477	04/22/2011 11:27	1	TAL MOB	TV
A:8270D	700-57555-A-1-A		700-99610	700-99477	04/26/2011 15:05	1	TAL MOB	LNP
P:3550C	700-57555-A-1-A		700-99544	700-99477	04/22/2011 11:27	1	TAL MOB	TV
A:8270D LL	700-57555-A-1-A		700-99544	700-99477	04/25/2011 16:42	1	TAL MOB	LNP
P:3550C	700-57555-A-1-J		700-99872	700-99779	04/29/2011 12:00	5	TAL MOB	TV
A:8081B/8082A	700-57555-A-1-J		700-99872	700-99779	04/30/2011 06:21	5	TAL MOB	LT
P:3550C	700-57555-A-1-J		700-99937	700-99779	04/29/2011 12:00	5	TAL MOB	TV
A:8081B/8082A	700-57555-A-1-J		700-99937	700-99779	05/03/2011 15:43	5	TAL MOB	LT
P:3550C	700-57555-A-1-J		700-99966	700-99779	04/29/2011 12:00	5	TAL MOB	TV
A:8081B/8082A	700-57555-A-1-J		700-99966	700-99779	05/04/2011 18:44	5	TAL MOB	LT
P:8151A	700-57555-A-1-G		700-99664	700-99615	04/26/2011 07:00	4	TAL MOB	HHL
A:8151A	700-57555-A-1-G		700-99664	700-99615	04/27/2011 12:10	4	TAL MOB	NJB
P:3050B	700-57555-C-1-A		700-99736	700-99640	04/27/2011 11:01	10	TAL MOB	SDT
A:6020	700-57555-C-1-A		700-99736	700-99640	04/29/2011 21:58	10	TAL MOB	CL
P:7471B	700-57555-A-1-F		700-99620	700-99533	04/25/2011 09:45	1	TAL MOB	PNP
A:7471B	700-57555-A-1-F		700-99620	700-99533	04/26/2011 16:43	1	TAL MOB	PNP
A:Moisture	700-57555-A-1		700-99543		04/25/2011 13:10	1	TAL MOB	TKN

Lab ID: **700-57555-A-1-D MS MS** **Client ID:**

Sample Date/Time: 04/21/2011 00:00 Received Date/Time: 04/22/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	700-57555-A-1-D MS		700-99582	700-99477	04/22/2011 11:27	2	TAL MOB	TV
A:8270D	700-57555-A-1-D MS		700-99582	700-99477	04/25/2011 18:07	2	TAL MOB	LNP
P:3550C	700-57555-A-1-D MS		700-99544	700-99477	04/22/2011 11:27	5	TAL MOB	TV
A:8270D LL	700-57555-A-1-D MS		700-99544	700-99477	04/25/2011 14:20	5	TAL MOB	LNP
P:8151A	700-57555-A-1-H MS		700-99664	700-99615	04/26/2011 07:00	4	TAL MOB	HHL
A:8151A	700-57555-A-1-H MS		700-99664	700-99615	04/27/2011 12:50	4	TAL MOB	NJB

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Chronicle

Lab ID: **700-57555-1 MSD** **Client ID:** **USA Enviro Sample**

Sample Date/Time: 04/21/2011 00:00 Received Date/Time: 04/22/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	700-57555-A-1-E MSD		700-99582	700-99477	04/22/2011 11:27	2	TAL MOB	TV
A:8270D	700-57555-A-1-E MSD		700-99582	700-99477	04/25/2011 18:35	2	TAL MOB	LNP
P:3550C	700-57555-A-1-E MSD		700-99544	700-99477	04/22/2011 11:27	2	TAL MOB	TV
A:8270D LL	700-57555-A-1-E MSD		700-99544	700-99477	04/25/2011 13:49	2	TAL MOB	LNP
P:8151A	700-57555-A-1-I MSD		700-99664	700-99615	04/26/2011 07:00	4	TAL MOB	HHL
A:8151A	700-57555-A-1-I MSD		700-99664	700-99615	04/27/2011 13:30	4	TAL MOB	NJB

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 700-99627/6		700-99627		04/26/2011 13:29	1	TAL MOB	KBV
A:8260C	MB 700-99627/6		700-99627		04/26/2011 13:29	1	TAL MOB	KBV
P:5030C	MB 700-99699/6		700-99699		04/27/2011 12:13	1	TAL MOB	KBV
A:8260C	MB 700-99699/6		700-99699		04/27/2011 12:13	1	TAL MOB	KBV
P:3550C	MB 700-99477/1-A		700-99582	700-99477	04/22/2011 11:27	1	TAL MOB	TV
A:8270D	MB 700-99477/1-A		700-99582	700-99477	04/25/2011 14:25	1	TAL MOB	LNP
P:3550C	MB 700-99477/1-A		700-99610	700-99477	04/22/2011 11:27	1	TAL MOB	TV
A:8270D	MB 700-99477/1-A		700-99610	700-99477	04/26/2011 14:38	1	TAL MOB	LNP
P:3550C	MB 700-99477/1-A		700-99544	700-99477	04/22/2011 11:27	1	TAL MOB	TV
A:8270D LL	MB 700-99477/1-A		700-99544	700-99477	04/25/2011 10:09	1	TAL MOB	LNP
P:3550C	MB 700-99779/1-A		700-99872	700-99779	04/29/2011 12:00	5	TAL MOB	TV
A:8081B/8082A	MB 700-99779/1-A		700-99872	700-99779	04/30/2011 00:38	5	TAL MOB	LT
P:8151A	MB 700-99615/1-A		700-99664	700-99615	04/26/2011 07:00	4	TAL MOB	HHL
A:8151A	MB 700-99615/1-A		700-99664	700-99615	04/27/2011 10:09	4	TAL MOB	NJB
P:3050B	MB 700-99640/1-A		700-99736	700-99640	04/27/2011 11:01	20	TAL MOB	SDT
A:6020	MB 700-99640/1-A		700-99736	700-99640	04/29/2011 18:27	20	TAL MOB	CL
P:7471B	MB 700-99533/1-A		700-99620	700-99533	04/25/2011 09:45	1	TAL MOB	PNP
A:7471B	MB 700-99533/1-A		700-99620	700-99533	04/26/2011 16:01	1	TAL MOB	PNP

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 700-99627/3		700-99627		04/26/2011 11:49	1	TAL MOB	KBV
A:8260C	LCS 700-99627/3		700-99627		04/26/2011 11:49	1	TAL MOB	KBV
P:5030C	LCS 700-99699/4		700-99699		04/27/2011 11:11	1	TAL MOB	KBV
A:8260C	LCS 700-99699/4		700-99699		04/27/2011 11:11	1	TAL MOB	KBV
P:3550C	LCS 700-99477/2-A		700-99582	700-99477	04/22/2011 11:27	2	TAL MOB	TV
A:8270D	LCS 700-99477/2-A		700-99582	700-99477	04/25/2011 14:52	2	TAL MOB	LNP
P:3550C	LCS 700-99477/2-A		700-99544	700-99477	04/22/2011 11:27	5	TAL MOB	TV
A:8270D LL	LCS 700-99477/2-A		700-99544	700-99477	04/25/2011 10:40	5	TAL MOB	LNP
P:3550C	LCS 700-99779/15-A		700-99872	700-99779	04/29/2011 12:00	5	TAL MOB	TV
A:8081B/8082A	LCS 700-99779/15-A		700-99872	700-99779	04/30/2011 01:09	5	TAL MOB	LT
P:8151A	LCS 700-99615/2-A		700-99664	700-99615	04/26/2011 07:00	4	TAL MOB	HHL
A:8151A	LCS 700-99615/2-A		700-99664	700-99615	04/27/2011 10:49	4	TAL MOB	NJB
P:3050B	LCS 700-99640/2-A		700-99736	700-99640	04/27/2011 11:01	20	TAL MOB	SDT
A:6020	LCS 700-99640/2-A		700-99736	700-99640	04/29/2011 16:32	20	TAL MOB	CL
P:7471B	LCS 700-99533/2-A		700-99620	700-99533	04/25/2011 09:45	1	TAL MOB	PNP
A:7471B	LCS 700-99533/2-A		700-99620	700-99533	04/26/2011 16:08	1	TAL MOB	PNP

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCSD 700-99627/4		700-99627		04/26/2011 12:20	1	TAL MOB	KBV
A:8260C	LCSD 700-99627/4		700-99627		04/26/2011 12:20	1	TAL MOB	KBV
P:5030C	LCSD 700-99699/5		700-99699		04/27/2011 11:42	1	TAL MOB	KBV
A:8260C	LCSD 700-99699/5		700-99699		04/27/2011 11:42	1	TAL MOB	KBV
P:3550C	LCSD 700-99477/3-A		700-99582	700-99477	04/22/2011 11:27	2	TAL MOB	TV
A:8270D	LCSD 700-99477/3-A		700-99582	700-99477	04/25/2011 15:19	2	TAL MOB	LNP
P:3550C	LCSD 700-99477/3-A		700-99544	700-99477	04/22/2011 11:27	5	TAL MOB	TV
A:8270D LL	LCSD 700-99477/3-A		700-99544	700-99477	04/25/2011 11:11	5	TAL MOB	LNP
P:3550C	LCSD 700-99779/16-A		700-99872	700-99779	04/29/2011 12:00	5	TAL MOB	TV
A:8081B/8082A	LCSD 700-99779/16-A		700-99872	700-99779	04/30/2011 01:41	5	TAL MOB	LT
P:8151A	LCSD 700-99615/3-A		700-99664	700-99615	04/26/2011 07:00	4	TAL MOB	HHL
A:8151A	LCSD 700-99615/3-A		700-99664	700-99615	04/27/2011 11:29	4	TAL MOB	NJB
P:3050B	LCSD 700-99640/3-A		700-99736	700-99640	04/27/2011 11:01	20	TAL MOB	SDT
A:6020	LCSD 700-99640/3-A		700-99736	700-99640	04/29/2011 16:49	20	TAL MOB	CL
P:7471B	LCSD 700-99533/3-A		700-99620	700-99533	04/25/2011 09:45	1	TAL MOB	PNP
A:7471B	LCSD 700-99533/3-A		700-99620	700-99533	04/26/2011 16:10	1	TAL MOB	PNP

Client: USA Environment,LP

Job Number: 700-57555-1

Laboratory Chronicle

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MRL 700-99627/2		700-99627		04/26/2011 11:18	1	TAL MOB	KBV
A:8260C	MRL 700-99627/2		700-99627		04/26/2011 11:18	1	TAL MOB	KBV
A:8270D	MRL 700-99582/3		700-99582		04/25/2011 13:30	1	TAL MOB	LNP
A:8270D	MRL 700-99582/4		700-99582		04/25/2011 13:57	1	TAL MOB	LNP

Lab References:
TAL MOB = TestAmerica Mobile

Serial Number

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Mobile

TA Mobile
900 Lakeside Drive
Mobile, AL 36693
www.testamericainc.com
Phone: (251) 666-6633
Fax: (251) 666-6696

Alternate Laboratory Name/Location:
Phone:
Fax:

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE					REQUIRED ANALYSES									PAGE	OF
(LAB) PROJECT MANAGER	P. O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260	8270	8081 PB082	8151	Barium	metals				STANDARD REPORT DELIVERY ○ DATE DUE	
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX															EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE	
CLIENT NAME B. Humphries	CLIENT EMAIL Houston TX																	
CLIENT ADDRESS KSA Env LP										PRESERVATIVE							NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
COMPANY CONTRACTING THIS WORK (if applicable)	SAMPLER'S SIGNATURE																	

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED										REMARKS
		Sample											

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
[illegible]	4/22/11	900			700-57555	15.9°C 5592 NCM# 24836

Original - Return to Laboratory with Sample(s)

05/06/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 700-57555-2

Job Description: Pesticides in Soils

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
5/11/2011 8:02 AM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
05/11/2011

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-57555-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
EPA 1613B Dioxin	TAL WSC	EPA 1613B	
SW846 6020 Metals by ICPMS	TAL WSC	SW846 6020	

Lab References:

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-57555-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-57555-1	USA Enviro Sample	Solid	04/21/2011 0000	04/22/2011 0900

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

May 10, 2011

TestAmerica Project Number: G1D260543
PO/Contract: 700-57555

Suzy Lindblom
TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693

Dear Ms. Lindblom,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on April 26, 2011. This sample is associated with your 700-57555 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4340.

Sincerely,

Bryanna Vandenberg

Bryanna Vandenberg
Project Manager

880 Riverside Parkway West Sacramento, CA 95605 **tel** 916.373.5600 **fax** 916.372.1059 **www.testamericainc.com**

Table of Contents

TestAmerica West Sacramento Project Number G1D260543

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1613B, Dioxins/Furans
Sample: 1
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

SOLID, 6020, Metals
Sample: 1
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture
Sample: 1
- Sample Data Sheet
- Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G1D260543

SOLID, 1613B, Dioxins/Furans
Sample: 1
The 2,3,7,8-TCDF result for this sample was reported from a confirmation analysis that occurred on May 5, 2011. Analytical results are reported with a “CON” flag.

SOLID, 6020, Metals
Sample: 1
The matrix spikes, which were performed on sample 1, have recoveries for aluminum and zinc that are outside control limits due to possible matrix interferences. The concentration of aluminum in the parent sample is greater than four times the added spike concentration. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G1D260543

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MHJEH	1	USA Enviro Sample (700-57555-1)	4/21/2011	4/26/2011 10:10 AM

Notes:

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as “ND” were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone (251) 666-6633 Fax (251) 666-6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lindblom, Suzy	Carrier Tracking No(s):	COC No: 700-12217.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: suzy.lindblom@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 700-57555-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 5/23/2011			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel)	PO #:			
Email:	WO #:			
Project Name: Pesticides in Soils	Project #: 70004521			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Dioxin and Furans - 1613B	see workshare list	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
USA Enviro Sample (700-57555-1)	4/21/11	Central		Solid			X		1	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/25/11		Cheng Chee	04/26/11 - 1015	TALWS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL-MOBile PM BV LOG # 70320

LOT# (QUANTIMS ID) G1D260543 QUOTE# 38630 LOCATION W24B

Checked (✓)

DATE RECEIVED 04/26/11 TIME RECEIVED 1010 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☐ CLIENT ☑

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) NA

COC #(S) 700-12217.1 ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 2 Average 2 Corrected Average 2

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER ☑

Initials: CV Date: 04/26/11

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A ☑

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Initials: CV Date: 04/26/11

Notes

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1D260543

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ	/																			
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 1613B, Dioxins/Furans

TestAmerica Mobile

Client Sample ID: USA Enviro Sample (700-57555-1)

Trace Level Organic Compounds

Lot-Sample #...: G1D260543-001 **Work Order #...:** MHJEH1AD **Matrix.....:** SOLID
Date Sampled...: 04/21/11 **Date Received..:** 04/26/11
Prep Date.....: 04/28/11 **Analysis Date..:** 04/30/11
Prep Batch #...: 1118324
Dilution Factor: 0.95
Analyst ID.....: 006881 **Instrument ID..:** 9D5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	**2.7**		**pg/g**	**EPA-5 1613B**
1,2,3,7,8-PeCDD	ND	0.60	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.26	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.22	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.20	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	**3.3 J**		**pg/g**	**EPA-5 1613B**
OCDD	**99**		**pg/g**	**EPA-5 1613B**
2,3,7,8-TCDF	**4.8 CON**		**pg/g**	**EPA-5 1613B**
1,2,3,7,8-PeCDF	ND	0.64	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.74	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.47	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.31	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.31	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.45	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.0	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.40	pg/g	EPA-5 1613B
OCDF	**31**		**pg/g**	**EPA-5 1613B**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	76	(25 - 164)
13C-1,2,3,7,8-PeCDD	68	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	65	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	81	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	74	(23 - 140)
13C-OCDD	74	(17 - 157)
13C-2,3,7,8-TCDF	83	(24 - 169)
13C-1,2,3,7,8-PeCDF	75	(24 - 185)
13C-2,3,4,7,8-PeCDF	71	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	80	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	80	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	77	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	83	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	81	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	66	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	85	(35 - 197)

(Continued on next page)

TestAmerica Mobile

Client Sample ID: USA Enviro Sample (700-57555-1)

Trace Level Organic Compounds

Lot-Sample #...: G1D260543-001 **Work Order #...:** MHJEH1AD **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

G1D260543

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1118324	
	SOLID	SW846 6020		1126105	1126050
	SOLID	ASTM D 2216-90		1116367	1116260

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1D260543 **Work Order #...:** MHM0V1AA **Matrix.....:** SOLID
MB Lot-Sample #: G1D280000-324

Prep Date.....: 04/28/11 **Instrument ID..:** 3D5
Analysis Date..: 04/30/11 **Prep Batch #...:** 1118324
Dilution Factor: 1

Analyst ID.....: 006881

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.083	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.16	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.13	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.17	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.20	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.27	pg/g	EPA-5 1613B
OCDD	ND	0.84	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.49	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.12	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.13	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.58	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.33	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.19	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.11	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.1	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.48	pg/g	EPA-5 1613B
OCDF	ND	2.9	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	(25 - 164)
13C-1,2,3,7,8-PeCDD	75	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	62	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	75	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	73	(23 - 140)
13C-OCDD	76	(17 - 157)
13C-2,3,7,8-TCDF	66	(24 - 169)
13C-1,2,3,7,8-PeCDF	74	(24 - 185)
13C-2,3,4,7,8-PeCDF	73	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	64	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	68	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	74	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	74	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	68	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	65	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	80	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1D260543 **Work Order #...:** MHM0V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D280000-324
Prep Date.....: 04/28/11 **Analysis Date..:** 04/30/11
Prep Batch #...: 1118324
Dilution Factor: 1 **Instrument ID..:** 3D5
Analyst ID.....: 006881

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	85	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	92	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	96	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	92	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	94	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	87	(70 - 140)	EPA-5 1613B
OCDD	83	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	92	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	89	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	92	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	90	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	93	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	95	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	92	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	94	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	92	(78 - 138)	EPA-5 1613B
OCDF	81	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1D260543 **Work Order #...:** MHM0V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D280000-324

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	(20 - 175)
13C-1,2,3,7,8-PeCDD	77	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	62	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	80	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	79	(26 - 166)
13C-OCDD	90	(13 - 199)
13C-2,3,7,8-TCDF	68	(22 - 152)
13C-1,2,3,7,8-PeCDF	75	(21 - 192)
13C-2,3,4,7,8-PeCDF	76	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	68	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	74	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	78	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	78	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	75	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	70	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	96	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1D260543 **Work Order #...:** MHM0V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D280000-324
Prep Date.....: 04/28/11 **Analysis Date..:** 04/30/11
Prep Batch #...: 1118324
Dilution Factor: 1 **Instrument ID..:** 3D5
Analyst ID.....: 006881

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	17.0	pg/g	85	EPA-5 1613B
1,2,3,7,8-PeCDD	100	91.7	pg/g	92	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	96.4	pg/g	96	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	91.6	pg/g	92	EPA-5 1613B
1,2,3,7,8,9-HxCDD	100	93.6	pg/g	94	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	100	86.9	pg/g	87	EPA-5 1613B
OCDD	200	165	pg/g	83	EPA-5 1613B
2,3,7,8-TCDF	20.0	18.3	pg/g	92	EPA-5 1613B
1,2,3,7,8-PeCDF	100	88.7	pg/g	89	EPA-5 1613B
2,3,4,7,8-PeCDF	100	92.4	pg/g	92	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	90.1	pg/g	90	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	93.3	pg/g	93	EPA-5 1613B
2,3,4,6,7,8-HxCDF	100	95.3	pg/g	95	EPA-5 1613B
1,2,3,7,8,9-HxCDF	100	91.9	pg/g	92	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	100	94.5	pg/g	94	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	100	91.9	pg/g	92	EPA-5 1613B
OCDF	200	162	pg/g	81	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1D260543 **Work Order #...:** MHM0V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1D280000-324

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	(20 - 175)
13C-1,2,3,7,8-PeCDD	77	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	62	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	80	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	79	(26 - 166)
13C-OCDD	90	(13 - 199)
13C-2,3,7,8-TCDF	68	(22 - 152)
13C-1,2,3,7,8-PeCDF	75	(21 - 192)
13C-2,3,4,7,8-PeCDF	76	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	68	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	74	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	78	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	78	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	75	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	70	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	96	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, 6020, Metals

TestAmerica Mobile

Client Sample ID: USA Enviro Sample (700-57555-1)

TOTAL Metals

Lot-Sample #...: G1D260543-001 **Matrix.....:** SOLID
Date Sampled...: 04/21/11 **Date Received..:** 04/26/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1126105						
Aluminum	1130	5.4	mg/kg	SW846 6020	05/06/11	MHJEH1AE
		Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	
Copper	0.95	0.21	mg/kg	SW846 6020	05/06/11	MHJEH1AF
		Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	
Nickel	1.9	0.21	mg/kg	SW846 6020	05/06/11	MHJEH1AG
		Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	
Zinc	9.4	1.1	mg/kg	SW846 6020	05/06/11	MHJEH1AH
		Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

QC DATA ASSOCIATION SUMMARY

G1D260543

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1118324	
	SOLID	SW846 6020		1126105	1126050
	SOLID	ASTM D 2216-90		1116367	1116260

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G1D260543 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G1E060000-105 **Prep Batch #...:** 1126105						
Aluminum	ND	5.0	mg/kg	SW846 6020	05/06/11	MH15R1AA
		Dilution Factor: 1				
				Analyst ID.....: 71	Instrument ID..: M02	
Copper	ND	0.20	mg/kg	SW846 6020	05/06/11	MH15R1AC
		Dilution Factor: 1				
				Analyst ID.....: 71	Instrument ID..: M02	
Nickel	ND	0.20	mg/kg	SW846 6020	05/06/11	MH15R1AD
		Dilution Factor: 1				
				Analyst ID.....: 71	Instrument ID..: M02	
Zinc	ND	1.0	mg/kg	SW846 6020	05/06/11	MH15R1AE
		Dilution Factor: 1				
				Analyst ID.....: 71	Instrument ID..: M02	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G1D260543 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G1E060000-105 **Prep Batch #...:** 1126105					
Aluminum	97	(85 - 114)	SW846 6020	05/06/11	MH15R1AF
		Dilution Factor: 1	Analyst ID.....: 71		Instrument ID..: M02
Copper	98	(89 - 110)	SW846 6020	05/06/11	MH15R1AG
		Dilution Factor: 1	Analyst ID.....: 71		Instrument ID..: M02
Nickel	100	(90 - 110)	SW846 6020	05/06/11	MH15R1AH
		Dilution Factor: 1	Analyst ID.....: 71		Instrument ID..: M02
Zinc	97	(79 - 110)	SW846 6020	05/06/11	MH15R1AJ
		Dilution Factor: 1	Analyst ID.....: 71		Instrument ID..: M02

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G1D260543 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G1E060000-105 **Prep Batch #...:** 1126105							
Aluminum	100	97.4	mg/kg	97	SW846 6020	05/06/11	MH15R1AF
			Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	
Copper	20.0	19.6	mg/kg	98	SW846 6020	05/06/11	MH15R1AG
			Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	
Nickel	20.0	19.9	mg/kg	100	SW846 6020	05/06/11	MH15R1AH
			Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	
Zinc	20.0	19.4	mg/kg	97	SW846 6020	05/06/11	MH15R1AJ
			Dilution Factor: 1		Analyst ID.....: 71	Instrument ID..: M02	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G1D260543 **Matrix.....:** SOLID
Date Sampled...: 04/21/11 **Date Received..:** 04/26/11

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G1D260543-001 **Prep Batch #...:** 1126105							
Aluminum	450 N	(85 - 114)			SW846 6020	05/06/11	MHJEH1AJ
	472 N	(85 - 114)	1.4	(0-20)	SW846 6020	05/06/11	MHJEH1AK
		Dilution Factor: 1					
					Instrument ID..: M02	Analyst ID.....: 71	
Copper	92	(89 - 110)			SW846 6020	05/06/11	MHJEH1AL
	92	(89 - 110)	0.63	(0-20)	SW846 6020	05/06/11	MHJEH1AM
		Dilution Factor: 1					
					Instrument ID..: M02	Analyst ID.....: 71	
Nickel	93	(90 - 110)			SW846 6020	05/06/11	MHJEH1AN
	94	(90 - 110)	0.09	(0-20)	SW846 6020	05/06/11	MHJEH1AP
		Dilution Factor: 1					
					Instrument ID..: M02	Analyst ID.....: 71	
Zinc	74 N	(79 - 110)			SW846 6020	05/06/11	MHJEH1AQ
	96	(79 - 110)	17	(0-20)	SW846 6020	05/06/11	MHJEH1AR
		Dilution Factor: 1					
					Instrument ID..: M02	Analyst ID.....: 71	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G1D260543 **Matrix.....:** SOLID
Date Sampled...: 04/21/11 **Date Received..:** 04/26/11

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G1D260543-001 **Prep Batch #...:** 1126105									
Aluminum									
	1130	102	1590 N	mg/kg	450		SW846 6020	05/06/11	MHJEH1AJ
	1130	102	1610 N	mg/kg	472	1.4	SW846 6020	05/06/11	MHJEH1AK
			Dilution Factor: 1						
					Instrument ID..: M02			Analyst ID.....: 71	
Copper									
	0.95	20.5	19.7	mg/kg	92		SW846 6020	05/06/11	MHJEH1AL
	0.95	20.5	19.8	mg/kg	92	0.63	SW846 6020	05/06/11	MHJEH1AM
			Dilution Factor: 1						
					Instrument ID..: M02			Analyst ID.....: 71	
Nickel									
	1.9	20.5	21.0	mg/kg	93		SW846 6020	05/06/11	MHJEH1AN
	1.9	20.5	21.0	mg/kg	94	0.09	SW846 6020	05/06/11	MHJEH1AP
			Dilution Factor: 1						
					Instrument ID..: M02			Analyst ID.....: 71	
Zinc									
	9.4	20.5	24.7 N	mg/kg	74		SW846 6020	05/06/11	MHJEH1AQ
	9.4	20.5	29.2	mg/kg	96	17	SW846 6020	05/06/11	MHJEH1AR
			Dilution Factor: 1						
					Instrument ID..: M02			Analyst ID.....: 71	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

SOLID, D 2216-90, Percent Moisture

TestAmerica Mobile

Client Sample ID: USA Enviro Sample (700-57555-1)

General Chemistry

Lot-Sample #...: G1D260543-001 **Work Order #...:** MHJEH **Matrix.....:** SOLID
Date Sampled...: 04/21/11 **Date Received..:** 04/26/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	6.9	0.10	%	ASTM D 2216-90	04/26-04/27/11	1116367

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

QC DATA ASSOCIATION SUMMARY

G1D260543

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1118324	
	SOLID	SW846 6020		1126105	1126050
	SOLID	ASTM D 2216-90		1116367	1116260

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G1D260543 **Work Order #...:** MHHNN-SMP MHHNN-DUP **Matrix.....:** SOLID

Date Sampled...: 04/25/11 **Date Received..:** 04/26/11

% Moisture.....: 20

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	G1D260453-001	
	20.3	22.7	%	11	(0-20)	ASTM D 2216-90	04/26-04/27/11	1116367

Dilution Factor: 1 Analyst ID.....: 000193 Instrument ID..: NO INST

Serial Number

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Alternate Laboratory Name/Location:
Phone:
Fax:

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
(LAB) PROJECT MANAGER	P. O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME: B. Humphries	CLIENT EMAIL: Houston TX	
CLIENT ADDRESS: KSA Env LP		
COMPANY CONTRACTING THIS WORK (If applicable)	SAMPLER'S SIGNATURE	

PAGE ___ OF ___

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260	8270	8081/8082	8151	DRCRA	metals					REMARKS
		Sample																

PRESERVATIVE

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
[illegible]	4/22/11	900	YES ○ NO ○	700-57555	15.9C 5592	NCM# 24836

Original - Return to Laboratory with Sample(s)

05/11/2011

	CONTACTOR SUBMITTAL	Date 6/22/11

PROJECT NAME: **San Jacinto Waste Pits**

CONTRACTOR:	**USA Environment LP**	Subcontract No.		Sub. No.	**24**

To:	**John LaPlante**	**References:**	HPP Concrete - Chemistry
		Drawing/Spec:	
Subject:	**HPP Concrete - Analytical**	**Detail/Section:**	
		Discipline:	

Response Requested By:		**High Priority:**	☒	**Low Priority:**	☐
Potential Impact:	**Capping of Western Cell**	**Cost:**	☐	**Schedule:**	☒

Attached are the results of the sample submitted for analysis on the crushed concrete used as B/C rock on the western Cell and retest of Aldrin and Dieldrin

Routing:	**Date Sent**	**Date Received**	**COMMENTS**
	6/22/11		

Reply:

☒ Conforms to design concept
☐ Conforms to design concept with revisions shown
☐ Revise and resubmit
☐ For information only

Comments:

Addressee: Sign and return original to:	**Approved By:**
	Name:
	Title:
	Date:

This submittal has been reviewed for general conformance to design concept only. This review does not relieve the contractor or supplier of full responsibility for adhering to the contract document and satisfactory completion of all work.

By: John P. [illegible] Date: 07-05-11

Anchor QEA, LLC

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	HPP crushed concrete (mg/kg)	Qualifier
Metals								
Aluminum	6010B/6020	10	6.4E+04	150000	NL	63709	8600	
Antimony	6010B/6020	0.5	2.7E+00	83	NL	2.71	0.71	J
Arsenic	6010B/6020	5.0	2.5E+00	110	41.6	41.60	7.8	B
Cadmium	6010B/6020	0.50	7.5E-01	1100	4.21	4.21	0.31	J
Chromium	6010B/6020	0.50	1.2E+03	36000	160.4	160.40	15	
Copper	6010B/6020	1.00	5.2E+02	21000	108.2	108.20	58	
Lead	6010B/6020	2.0	1.5E+00	500	112.18	112.18	38	
Mercury	7471A	0.020	3.9E-03	34	0.696	0.70	0.012	U
Nickel	6010B/6020	2.0	7.9E+01	1400	42.8	42.80	17	
Silver	6010B/6020	0.50	2.4E-01	350	1.77	1.77	0.036	J
Zinc	6010B/6020	5.0	1.2E+03	76000	271	271.00	140	
Semivolatile Organic Compounds								
1,2,4-Trichlorobenzene	8270C	0.10	2.4E+00	1500	--	2.40	0.14	U
1,2-Dichlorobenzene	8270C	0.10	8.9E+00	66000	--	8.94	0.14	U
1,3-Dichlorobenzene	8270C	0.10	3.4E+00	22000	--	3.37	--	
1,4-Dichlorobenzene	8270C	0.10	1.1E+00	2300	--	1.05	0.14	U
2,4-Dimethylphenol	8270C	0.10	1.6E+00	3100	--	1.62	0.14	U
2-Methylnaphthalene	8270C	0.10	8.5E+00	2500	NL	8.53		
2-Methylphenol	8270C	0.10	3.6E+00	7700	--	3.56	0.14	U
4-Methylphenol	8270C	0.10	3.2E-01	770	--	0.32	0.14	U
Acenaphthene	8270C	0.01	1.2E+02	7400	0.0889	0.09	0.018	
Acenaphthylene	8270C	0.10	2.0E+02	7400	0.12787	0.13	0.014	U
Anthracene	8270C	0.10	3.4E+03	37000	0.245	0.25	0.06	
Benz[a]anthracene	8270C	0.10	5.6E+00	16	0.69253	0.69	0.29	
Benzo[a]pyrene	8270C	0.10	5.6E-01	1.6	0.76322	0.56	0.24	
Benzo[b]fluoranthene	8270C	0.10	5.7E+00	16	--	5.71	0.35	
Benzo[g,h,i]perylene	8270C	0.10	1.8E+03	3700	--	1780.34	0.096	
Benzo[k]fluoranthene	8270C	0.10	5.7E+01	160	--	57.21	0.1	
Benzoic acid	8270C	0.60	9.5E+01	610000	NL	94.65	0.73	U
Benzyl alcohol	8270C	0.10	2.9E+00	46000	NL	2.93	0.14	U
Bis[2-ethylhexyl]phthalate	8270C	0.10	4.3E+01	240	--	43.16	0.14	U
Butyl benzyl phthalate	8270C	0.10	1.3E+02	31000	--	132.49	0.14	U
Chrysene	8270C	0.10	5.6E+02	1600	0.84598	0.85	0.3	
Dibenz[a,h]anthracene	8270C	0.10	5.5E-01	1.6	0.13461	0.13	0.023	
Diethyl phthalate	8270C	0.10	7.8E+01	120000	--	77.93	0.14	U
Dimethyl phthalate	8270C	0.10	3.1E+01	120000	--	31.10	0.14	U
Di-n-butyl phthalate	8270C	0.10	1.7E+03	15000	--	1658.75	0.14	U
Di-n-octyl phthalate	8270C	0.10	1.3E+03	3100	--	1282.52	0.14	U
Fluoranthene	8270C	0.10	9.6E+02	4900	1.49354	1.49	0.69	
Fluorene	8270C	0.10	1.5E+02	4900	0.14435	0.14	0.017	
Hexachlorobenzene	8270C	0.10	5.6E-01	8.9	NL	0.56	0.14	U
Hexachlorobutadiene	8270C	0.10	1.6E+00	31	--	1.64	0.14	U
Hexachloroethane	8270C	0.10	9.2E-01	150	--	0.92	0.14	U
Indeno[1,2,3-c,d]pyrene	8270C	0.10	5.7E+00	16	--	5.72	0.088	
Naphthalene	8270C	0.10	1.6E+01	2500	0.39064	0.39	0.051	
N-nitrosodiphenylamine	8270C	0.10	1.4E+00	900	--	1.41	0.14	U
Pentachlorophenol	8270C	0.20	9.2E-03	56	--	0.01	0.73	U
Phenanthrene	8270C	0.10	2.1E+02	3700	0.54353	0.54	0.23	
Phenol	8270C	0.10	9.6E+00	92000	--	9.57	0.14	U
Pyrene	8270C	0.10	5.6E+02	3700	1.3976	1.40	0.53	
Volatile Organic Compounds (VOCs)								
1,1,1,2-Tetrachloroethane	8260B	0.0050	7.1E-01	2100	NL	0.71	0.0053	U
1,1,1-Trichloroethane	8260B	0.0050	8.1E-01	150000	--	0.81	0.0053	U
1,1,2,2-Tetrachloroethane	8260B	0.0050	1.2E-02	270	--	0.01	0.0053	U
1,1,2-Trichloroethane	8260B	0.0050	1.0E-02	960	--	0.01	0.0053	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	HPP crushed concrete (mg/kg)	Qualifier
1,1-Dichloroethane	8260B	0.0050	9.2E+00	73000	--	9.25	0.0053	U
1,1-Dichloroethene	8260B	0.0050	2.5E-02	91	--	0.03	0.0053	U
1,1-Dichloropropene	8260B	0.0050	6.7E-02	540	NL	0.07	0.0053	U
1,2,3-Trichlorobenzene	8260B	0.0050	1.3E+01	460	NL	13.14	0.0053	U
1,2,3-Trichloropropane	8260B	0.0050	2.7E-04	7.8	NL	0.00027	0.0053	U
1,2,4-Trimethylbenzene	8260B	0.0050	4.9E+00	37000	NL	4.85	0.0053	U
1,2-Dibromo-3-chloropropane	8260B	0.0100	8.7E-04	10	NL	0.00087	0.011	U
1,2-Dichloroethane	8260B	0.0050	6.9E-03	600	--	0.01	0.0053	U
1,2-Dichloropropane	8260B	0.0050	1.1E-02	800	--	0.01	0.0053	U
1,3,5-Trimethylbenzene	8260B	0.0050	2.7E+01	37000	NL	26.60	0.0053	U
1,3-Dichloropropane	8260B	0.0050	3.2E-02	540	NL	0.03	0.0053	U
1,4-Dichlorobenzene	8260B	0.0050	1.1E+00	2300	NL	1.05	0.0053	U
2,2-Dichloropropane	8260B	0.0050	6.0E-02	800	NL	0.06	0.0053	U
2-Butanone	8260B	0.0250	1.5E+01	440000	NL	14.64	0.027	U
2-Chlorotoluene	8260B	0.0050	4.5E+00	3100	NL	4.53	0.0053	U
2-Hexanone	8260B	0.0250	1.6E-01	44000	NL	0.16	0.027	U
4-Chlorotoluene	8260B	0.0050	2.5E+00	15000	NL	2.47	0.0053	U
4-Isopropyltoluene	8260B	0.0050	NL	NL	NL		0.0053	U
4-Methyl-2-Pentanone	8260B	0.0250	2.5E+00	59000	NL	2.47	0.027	U
Acetone	8260B	0.0500	2.1E+01	73000	NL	21.37	0.014	J
Benzene	8260B	0.0050	1.3E-02	990	--	0.01	0.0053	U
Bromobenzene	8260B	0.0050	1.2E+00	15000	NL	1.16	0.0053	U
Bromochloromethane	8260B	0.0050	1.5E+00	29000	NL	1.52	0.0053	U
Bromodichloromethane	8260B	0.0050	3.3E-02	880	NL	0.03	0.0053	U
Bromoethane	8260B	0.0100	NL	NL	NL		0.0053	U
Bromoform	8260B	0.0050	3.2E-01	6900	--	0.32	0.0053	U
Bromomethane	8260B	0.0100	6.5E-02	1000	--	0.07	0.011	U
Carbon Disulfide	8260B	0.0050	6.8E+00	73000	NL	6.79	0.0053	U
Carbon Tetrachloride	8260B	0.0050	3.1E-02	420	--	0.03	0.0053	U
Chlorobenzene	8260B	0.0050	5.5E-01	15000	--	0.55	0.0053	U
Chloroethane	8260B	0.0100	1.5E+01	290000	--	15.45	0.011	U
Chloroform	8260B	0.0050	5.1E-01	7300	--	0.51	0.0053	U
Chloromethane	8260B	0.0100	2.0E-01	4200	--	0.20	0.011	U
cis-1,2-Dichloroethene	8260B	0.0050	1.2E-01	7300	NL	0.12	0.0053	U
cis-1,3-Dichloropropene	8260B	0.0050	3.3E-03	73	--	0.0033	0.0053	U
Dibromochloromethane	8260B	0.0050	2.5E-02	650	--	0.02	0.0053	U
Dibromomethane	8260B	0.0050	5.6E-01	7300	NL	0.56	0.0053	U
Dichlorodifluoromethane	8260B	0.0050	1.2E+02	150000	NL	119.75	0.0053	U
Ethylbenzene	8260B	0.0050	3.8E+00	73000	--	3.82	0.0053	U
Ethylene Dibromide	8260B	0.0050	1.0E-04	0.64	NL	0.000103	0.0053	U
Isopropylbenzene	8260B	0.0050	1.7E+02	73000	NL	173.71	0.0053	U
m,p-Xylene	8260B	0.0100	5.3E+01	1000000	--	52.62	0.011	U
Methyl tert-Butyl Ether	8260B	0.0500	3.1E-01	7300	NL	0.31	0.053	U
Methylene Chloride	8260B	0.0050	6.5E-03	7300	--	0.01	0.0032	J
Naphthalene	8260B	0.0050	1.6E+01	2500	NL	15.62	0.0053	U
n-Butylbenzene	8260B	0.0050	6.1E+01	6100	NL	60.67	0.0053	U
n-Propylbenzene	8260B	0.0050	2.2E+01	29000	NL	22.41	0.0053	U
o-Xylene	8260B	0.0050	3.5E+01	1000000	--	35.36	0.0029	J
sec-Butylbenzene	8260B	0.0050	4.2E+01	29000	NL	42.41	0.0053	U
Styrene	8260B	0.0050	1.6E+00	150000	NL	1.63	0.0053	U
tert-Butylbenzene	8260B	0.0050	5.0E+01	29000	NL	49.99	0.0053	U
Tetrachloroethene	8260B	0.0050	2.5E-02	1000	--	0.03	0.0053	U
Toluene	8260B	0.0050	4.1E+00	150000	--	4.11	0.0053	U
trans-1,2-Dichloroethene	8260B	0.0050	2.5E-01	15000	--	0.25	0.0053	U
trans-1,3-Dichloropropene	8260B	0.0050	1.8E-02	540	--	0.02	0.0053	U
Trichloroethene	8260B	0.0050	1.7E-02	4400	--	0.02	0.0053	U

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	HPP crushed concrete (mg/kg)	Qualifier
Trichlorofluoromethane	8260B	0.0050	6.4E+01	220000	NL	63.99	0.0053	U
Vinyl Chloride	8260B	0.0100	1.1E-02	36	--	0.011	0.011	U
Organochlorine Pesticides								
DDD	8081A	0.0050	6.5E+00	120	--	6.48	0.0035	U [7]
DDE	8081A	0.0050	5.9E+00	87	--	5.89	0.0035	U [7]
DDT	8081A	0.0050	5.4E+00	87	0.0517	0.05	0.0035	U [7]
Aldrin	8081A	0.0050	5.0E-02	0.84	--	0.05	0.0019	U
Dieldrin	8081A	0.0010	2.4E-02	0.89	0.0043	0.00430	0.0037	U
alpha-BHC	8081A	0.0005	4.0E-03	4.1	--	0.00396	0.0018	U
beta-BHC	8081A	0.0050	1.4E-02	14	--	0.01	0.0018	U
delta-BHC	8081A	0.0050	8.7E-02	14	--	0.09	0.0018	U
gamma-BHC (Lindane)	8081A	0.0005	4.6E-03	20	0.00099	0.0010	0.0018	U
alpha-Chlordane	8081A	0.0050	1.3E+01	41	NL	12.77	0.0081	
gamma-Chlordane	8081A	0.0050	7.3E+00	73	NL	7.33	0.014	
alpha-Endosulfan	8081A	0.0050	2.3E+00	310	--	2.31	0.0018	U
beta-Endosulfan	8081A	0.0050	2.3E+00	920	--	2.31	0.0035	U
Endosulfan sulfate	8081A	0.0050	3.8E+02	920	--	384.52	0.0035	U
Endrin	8081A	0.0050	3.8E-01	46	--	0.38	0.0035	U
Endrin aldehyde	8081A	0.0050	1.9E+01	46	NL	19.37	0.0035	U
Endrin ketone	8081A	0.0050	1.9E+01	46	NL	18.59	0.0035	U
Heptachlor	8081A	0.0050	9.4E-02	3.2	--	0.09	0.0027	
Heptachlor epoxide	8081A	0.0050	2.9E-02	1.6	--	0.03	0.0018	U
Methoxychlor	8081A	0.010	6.2E+01	770	--	62.14	0.018	U
Mirex	8081A	0.0050	1.3E+01	NL	--	13.31	0.018	U
cis-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0018	U
Oxychlordane	8081A	0.0050	5.6E+00	41	NL	5.59	0.0018	U
Toxaphene	8081A	0.20	1.2E+00	13	--	1.24	0.18	U
Trans-Nonachlor	8081A	0.0050	5.6E+00	41	NL	5.59	0.0018	U
Chlorinated Herbicides								
2,4,5-T	8151	0.020	NL	NL	--		0.0089	U
2,4-D	8151	0.050	NL	2500	--	2500.00	0.0089	U
2,4-DB	8151	0.20	NL	2500	--	2500.00	0.0089	U
Dalapon	8151	0.500	2.9E-01	4600	NL	0.29	2.1	U
Dicamba	8151	0.020	7.3E-01	4600	NL	0.73	0.021	U
Dichlorprop	8151	0.050	2.3E-01	1500	NL	0.23	0.11	U
Dinoseb	8151	0.025	1.8E-01	150	NL	0.18	0.11	U
MCPA	8151	1	1.2E-02	77	NL	0.01	2.1	U
MCPP	8151	1	2.3E-02	150	NL	0.02	2.1	U
Silvex	8151	0.020	2.6E+00	1200	NL	2.65	0.0089	U
Polychlorinated Biphenyls (PCBs)								
Total PCBs	8082	0.070	1.1E+00	2.3	0.1887	0.19	0.072	U
Dioxin/Furans, ng/kg								
Dioxins		ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]	ng/kg [2]		
2,3,7,8-TCDD	1613B	1.0	(3)	(3)	NL	(3)	0.17	U
1,2,3,7,8-PeCDD	1613B	5.0	(3)	(3)	NL	(3)	0.4	U
1,2,3,4,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	0.58	U
1,2,3,6,7,8-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	2.1	U
1,2,3,7,8,9-HxCDD	1613B	5.0	(3)	(3)	NL	(3)	1.8	U
1,2,3,4,6,7,8-HpCDD	1613B	5.0	(3)	(3)	NL	(3)	59	
OCDD	1613B	10	(3)	(3)	NL	(3)	1000	
Furans								
2,3,7,8-TCDF	1613B	1.0	(3)	(3)	NL	(3)	1	J
1,2,3,7,8-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	1.4	U
2,3,4,7,8,-PeCDF	1613B	5.0	(3)	(3)	NL	(3)	0.86	U
1,2,3,4,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	5	J

Table 1
Armored Cap Material Analyte List

Parameter	Analytical Method	Reporting Limit (mg/kg)	TCEQ Tier I Residential Soil PCLs[1] (mg/kg)	TRRP Tier 1 Sediment PCLs [4] (mg/kg)	TCEQ Marine PEL[5] (mg/kg)	Required Fill Chemical Concentration Criteria (mg/kg)	HPP crushed concrete (mg/kg)	Qualifier
1,2,3,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	1.5	U
1,2,3,7,8,9-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.19	U
2,3,4,6,7,8-HxCDF	1613B	5.0	(3)	(3)	NL	(3)	0.61	U
1,2,3,4,6,7,8-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	14	
1,2,3,4,7,8,9-HpCDF	1613B	5.0	(3)	(3)	NL	(3)	1.2	U
OCDF	1613B	10	(3)	(3)	NL	(3)	29	
TEQ (U=1/2)							2.42	

Notes:

1. TCEQ TRRP Tier I Residential Soil PCL Values, 30-acre source area, includes Total Soil Combined and GW Soil Ingestion (Class 1) exposure routes.
2. Dioxin/furan concentrations expressed in ng/kg. All other concentrations in table expressed in mg/kg.
3. Acceptable dioxin/furan concentration is less than 0.45 ng/kg of 2,3,7,8-TCDD and 5 ng/kg TEQ based on WHO 2005[6] TEFs.
4. TCEQ TRRP Tier 1 Sediment PCL Values, includes ingestion and dermal pathways
5. TCEQ Guidance for Assessing Texas Surface and Finished Drinking Water Quality Data, 2004
6. Van den Berg et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93(2): 223-241.
7. This result reflects only 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT accordingly.

U Not detected
J Estimated value
NL Not Listed
-- No value given

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 700-58471-1

SDG Number: 700-58471-1

Job Description: Pesticides in Soils

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
6/13/2011 1:44 PM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
06/13/2011

cc: Mr. Cesar Garcia

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

Job Narrative
700-58471-1

Comments
No additional comments.

Receipt
The following sample(s) was received at the laboratory outside the required temperature criteria: .
All ice was melted temp. was 7.8C # 3509

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCVIS) for analytical batch 101297 exceeded control criteria for 12 of 92 compounds (87% passing). The method criteria requires a minimum of 80% passing for the analysis of samples. A reporting limit standard (MRL) was analyzed with the batch, and all the affected analytes were detected. The related samples were non-detect for the affected analytes. The data have been qualified and reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) for batch 111175 recovered above the upper control limit for some compounds. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 625, 8270D: The continuing calibration verification (CCV) for analytical batch 101279 exceeded control criteria for a few compounds (less than 20 % of the allowable taget analytes) . Samples which did not contain any of these target hits were reported below the Reporting limit (RL). Only compounds that meet the 20 % D in the CCV S reported above the RL.

Method(s) 8270D: six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: (MB 700-101151/1-A), #1-7 Composite (700-58471-8). These results have been reported and qualified.

Method(s) 8270D LL: The laboratory control sample duplicate(LCSD) associated with batch 101237 was outside acceptance criteria for dibenz(a,h)anthracene. The laboratory control sample (LCS) and the batch matrix spike/matrix spike duplicate (MS/MSD) were within acceptance limits; therefore, the data have been reported.

Method(s) 8270D LL: The following sample(s) was diluted due to the dark thick nature of the sample matrix: #1-7 Composite (700-58471-8). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B/8082A: The continuing calibration verification (CCV) for methoxychlor recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8081B/8082A: The continuing calibration verification (CCV) associated with batch 101423 recovered outside acceptance criteria, low biased, for alpha BHC, gamma-BHC, and methoxychlor. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8081B/8082A: 2 surrogates are used for this analysis. The laboratory's SOP allows 1 of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: (LCSD 700-101423/3-A). These results have been reported and qualified.

Method(s) 8081B/8082A: Internal standard (ISTD) response for the following sample(s) was outside control limits: (700-58471-8 MS), (700-58471-8 MSD). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8081B/8082A: Due to the high concentration of aldrin, the matrix spike / matrix spike duplicate (MS/MSD) for batch 101423 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8081B/8082A: Internal standard (ISTD) response for the following sample(s) was outside control limits: #1-7 Composite (700-58471-8). The sample(s) was re-analyzed with a higher dilution with concurring results. Both set of data have been reported.

Method(s) 8081B/8082A:

Method(s) 8151A: The continuing calibration verification (CCV) for analytical batch 101392 recovered above the upper control limit for Dinoseb and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6020: The matrix spike / matrix spike duplicate (MS/MSD) precision for preperation batch 101155 was outside control limits. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria. The sample has high amounts of Aluminum (Al) and Calcium (Ca).

Method(s) 6020: The continuing calibration verification (CCV) for analytical batch 101166 exceeded control criteria for Aluminum (Al). The opening CCV was high at 110.9% , and the ending CCV was high at 110.8%. Both of these results was marginally outside of the acceptable limits of 110%. The matrix spike and duplicate (MS/D) contained 4X flags for Aluminum (Al). The amount of Al present in the sample was at least 4X greater than the spike; therefore, the data have been qualified and reported.

Method(s) 6020: The method blank (MB) for preperation batch 101155 contained Arsenic (As) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

The sample contained Arsenic (As) more than 10X the amount in the MB.

Method(s) 6020: The continuing calibration verification (CCV) bracketing this sample in analytical batch 101166 exceeded control criteria for Aluminum (Al). The opening CCV was high at 110.9%, and the ending CCV was high at 110.8%. This is a marginal failure (110% acceptable). The sample result for Al is 109,108 ppb. The data have been qualified and reported.

Method(s) 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch # 101232 were outside control limits. The associated laboratory control sample / laboratory control sample duplicate(LCS/LCSD) recoveries met acceptance criteria; recovering at 93% and 92%.

A post digestion spike was (PDS) was also performed and was not within acceptance criteria, recovering at 21%.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL MOB	SW846 8260C	
Purge and Trap	TAL MOB		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL MOB	SW846 8270D	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Semivolatile Organic Compounds by GC/MS - Low Level	TAL MOB	SW846 8270D LL	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Herbicides (GC)	TAL MOB	SW846 8151A	
Extraction (Herbicides)	TAL MOB		SW846 8151A
Metals (ICP/MS)	TAL MOB	SW846 6020	
Preparation, Metals	TAL MOB		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL MOB	SW846 7471B	
Preparation, Mercury	TAL MOB		SW846 7471B
Percent Moisture	TAL MOB	EPA Moisture	

Lab References:

TAL MOB = TestAmerica Mobile

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method	Analyst	Analyst ID
SW846 8260C	Var, Kerry	KBV
SW846 8270D	Pham, Van T	VP
SW846 8270D LL	Polk, LanHuong N	LNP
SW846 8081B/8082A	Tran, Luther	LT
SW846 8151A	Baker, Nick J	NJB
SW846 6020	Lawrence, Cheri	CL
SW846 7471B	Phothisat, Phukham N	PNP
EPA Moisture	Nguyen, Tiffany K	TKN

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-58471-8	#1-7 Composite	Solid	05/26/2011 1140	05/27/2011 0730

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-101297	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G060308.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Analysis Date:	06/03/2011 0951			Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0951				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		5.3	U	1.3	5.3
1,1,1-Trichloroethane		5.3	U	1.6	5.3
1,1,2,2-Tetrachloroethane		5.3	U	1.8	5.3
1,1,2-Trichloroethane		5.3	U	1.3	5.3
1,1-Dichloroethane		5.3	U	1.1	5.3
1,1-Dichloroethene		5.3	U	1.4	5.3
1,1-Dichloropropene		5.3	U	1.5	5.3
1,2,3-Trichlorobenzene		5.3	U	2.1	5.3
1,2,3-Trichloropropane		5.3	U	2.8	5.3
1,2,4-Trimethylbenzene		5.3	U	0.71	5.3
1,2-Dibromo-3-Chloropropane		11	U	3.2	11
1,2-Dichloroethane		5.3	U	2.1	5.3
1,2-Dichloropropane		5.3	U	1.3	5.3
1,3,5-Trimethylbenzene		5.3	U	0.64	5.3
1,3-Dichloropropane		5.3	U	1.4	5.3
1,4-Dichlorobenzene		5.3	U	0.88	5.3
2,2-Dichloropropane		5.3	U	1.5	5.3
2-Butanone (MEK)		27	U	12	27
2-Chlorotoluene		5.3	U	1.2	5.3
2-Hexanone		27	U	12	27
4-Chlorotoluene		5.3	U	0.79	5.3
4-Isopropyltoluene		5.3	U	1.1	5.3
4-Methyl-2-pentanone (MIBK)		27	U	12	27
Acetone		14	J	5.5	53
Benzene		5.3	U	1.2	5.3
Bromobenzene		5.3	U	1.9	5.3
Bromoform		5.3	U	1.2	5.3
Bromomethane		11	U	3.8	11
Carbon disulfide		5.3	U	0.83	5.3
Carbon tetrachloride		5.3	U	1.5	5.3
Chlorobenzene		5.3	U	1.2	5.3
Chlorobromomethane		5.3	U	1.3	5.3
Chlorodibromomethane		5.3	U	1.3	5.3
Chloroethane		11	U	1.6	11
Chloroform		5.3	U	0.88	5.3
Chloromethane		11	U	2.5	11
cis-1,2-Dichloroethene		5.3	U	1.0	5.3
cis-1,3-Dichloropropene		5.3	U	1.1	5.3
Dibromomethane		5.3	U	0.36	5.3
Dichlorobromomethane		5.3	U	1.3	5.3
Dichlorodifluoromethane		5.3	U	1.3	5.3
Ethylbenzene		5.3	U	1.9	5.3
Ethylene Dibromide		5.3	U	1.3	5.3
Isopropylbenzene		5.3	U	0.83	5.3
Methyl tert-butyl ether		53	U	3.4	53
Methylene Chloride		3.2	J	1.7	5.3

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	700-101297	Instrument ID:	VMG
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G060308.D
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Analysis Date:	06/03/2011 0951			Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0951				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		11	U	0.79	11
Naphthalene		5.3	U	3.7	5.3
n-Butylbenzene		5.3	U	1.4	5.3
N-Propylbenzene		5.3	U	0.60	5.3
o-Xylene		2.9	J	0.64	5.3
sec-Butylbenzene		5.3	U	0.74	5.3
Styrene		5.3	U	0.65	5.3
tert-Butylbenzene		5.3	U	0.73	5.3
Tetrachloroethene		5.3	U	0.96	5.3
Toluene		5.3	U	1.1	5.3
trans-1,2-Dichloroethene		5.3	U	1.1	5.3
trans-1,3-Dichloropropene		5.3	U	1.0	5.3
Trichloroethene		5.3	U	0.96	5.3
Trichlorofluoromethane		5.3	U	1.4	5.3
Vinyl chloride		11	U	1.7	11
Xylenes, Total		3.4	J	1.4	16
Bromoethane		5.3	U	3.4	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		30 - 126
Dibromofluoromethane	98		30 - 140
Toluene-d8 (Surr)	97		42 - 130

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	700-101279	Instrument ID:	SMC
Prep Method:	3550C	Prep Batch:	700-101151	Lab File ID:	C060308.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Analysis Date:	06/03/2011 1215			Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		140	U	47	140
1,2-Dichlorobenzene		140	U	77	140
1,3-Dinitrobenzene		140	U	140	140
1,4-Dichlorobenzene		140	U	30	140
2,4-Dimethylphenol		140	U	120	140
2-Methylphenol		140	U	120	140
3 & 4 Methylphenol		140	U	77	140
Benzoic acid		730	U	68	730
Benzyl alcohol		140	U	77	140
Bis(2-ethylhexyl) phthalate		140	U	100	140
Butyl benzyl phthalate		140	U	77	140
Diethyl phthalate		140	U	77	140
Dimethyl phthalate		140	U	90	140
Di-n-butyl phthalate		140	U	73	140
Di-n-octyl phthalate		140	U	73	140
Hexachlorobenzene		140	U	77	140
Hexachlorobutadiene		140	U	56	140
Hexachloroethane		140	U	60	140
N-Nitrosodiphenylamine		140	U	77	140
Pentachlorophenol		730	U	60	730
Phenol		140	U	60	140

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	21		5.0 - 130
2-Fluorobiphenyl	37		31 - 130
2-Fluorophenol (Surr)	28		10 - 128
Nitrobenzene-d5 (Surr)	31	X	35 - 130
Phenol-d5 (Surr)	32		29 - 130
Terphenyl-d14 (Surr)	32	X	37 - 149

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8270D LL Semivolatile Organic Compounds by GC/MS - Low Level

Analysis Method:	8270D LL	Analysis Batch:	700-101237	Instrument ID:	SMB
Prep Method:	3550C	Prep Batch:	700-101151	Lab File ID:	B060215.D
Dilution:	2.0			Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1809			Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1-Methylnaphthalene		41		3.6	14
Acenaphthene		18		6.6	14
Acenaphthylene		14	U	3.8	14
Anthracene		60		9.4	14
Benzo[k]fluoranthene		100		5.6	14
Benzo[g,h,i]perylene		96		5.3	14
Benzo[b]fluoranthene		350		6.0	14
Benzo[a]pyrene		240		6.8	14
Benzo[a]anthracene		290		4.5	14
Chrysene		300		4.1	14
Dibenz(a,h)anthracene		23	*	8.8	14
Fluoranthene		690		3.8	14
Fluorene		17		6.0	14
Naphthalene		51		7.3	14
Phenanthrene		230		4.7	14
Pyrene		530		3.6	14
Indeno[1,2,3-cd]pyrene		88		6.4	14

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5 (Surr)	45		30 - 130
Terphenyl-d14 (Surr)	56		30 - 149
2-Fluorobiphenyl	50		31 - 130

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-101543	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-101423	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	06/08/2011 1508			Injection Volume:	2 uL
Prep Date:	06/07/2011 1500			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chlordane (technical)		70		1.6	18
beta-BHC		1.8	U	0.13	1.8
alpha-Chlordane		8.1		0.10	1.8
alpha-BHC		1.8	U	0.13	1.8
4,4'-DDT		3.5	U	0.58	3.5
4,4'-DDE		3.5	U	0.32	3.5
4,4'-DDD		3.5	U	0.36	3.5
2,4'-DDT		3.5	U	0.58	3.5
2,4'-DDE		3.5	U	0.32	3.5
2,4'-DDD		3.5	U	0.36	3.5
delta-BHC		1.8	U	0.27	1.8
Dieldrin		22		0.28	3.5
Endosulfan, alpha		1.8	U	0.13	1.8
Endosulfan, beta		3.5	U	0.42	3.5
Endosulfan sulfate		3.5	U	0.36	3.5
Endrin		3.5	U	0.41	3.5
Endrin aldehyde		3.5	U	0.41	3.5
Endrin ketone		3.5	U	0.32	3.5
gamma-BHC (Lindane)		1.8	U	0.12	1.8
gamma-Chlordane		14		0.11	1.8
Heptachlor		2.7		0.20	1.8
Heptachlor epoxide		1.8	U	0.14	1.8
Methoxychlor		18	U	0.30	18
Mirex		18	U	18	18
PCB-1016		35	U	3.2	35
Toxaphene		180	U	12	180
PCB-1221		72	U	1.9	72
PCB-1232		35	U	4.0	35
PCB-1242		35	U	3.0	35
PCB-1248		35	U	4.6	35
PCB-1254		35	U	3.3	35
PCB-1260		35	U	2.8	35
cis-Nonachlor		1.8	U	0.022	1.8
oxy-Chlordane		1.8	U	0.019	1.8
trans-Nonachlor		1.8	U	0.044	1.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	51		30 - 150
Tetrachloro-m-xylene	125		30 - 150

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-101561	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-101423	Initial Weight/Volume:	30.0 g
Dilution:	20			Final Weight/Volume:	5.0 mL
Analysis Date:	06/09/2011 1240	Run Type:	DL	Injection Volume:	2 uL
Prep Date:	06/07/2011 1500			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		63		1.2	7.3

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	46		30 - 150
Tetrachloro-m-xylene	55		30 - 150

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	700-101392	Instrument ID:	SGY
Prep Method:	8151A	Prep Batch:	700-101298	Initial Weight/Volume:	50.0 g
Dilution:	4.0			Final Weight/Volume:	5.0 mL
Analysis Date:	06/06/2011 2304			Injection Volume:	0.5 uL
Prep Date:	06/04/2011 1730			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-T		8.9	U	1.4	8.9
2,4-D		8.9	U	3.1	8.9
2,4-DB		8.9	U	5.1	8.9
Dalapon		2100	U	0.98	2100
Dicamba		21	U	1.7	21
Dichlorprop		110	U	1.4	110
Dinoseb		110	U	1.7	110
MCPA		2100	U	51	2100
MCPP		2100	U	98	2100
Silvex (2,4,5-TP)		8.9	U	1.8	8.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	94		10 - 135

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	700-101166	Instrument ID:	ICPMS
Prep Method:	3050B	Prep Batch:	700-101155	Lab File ID:	119SMPL.D#.raw
Dilution:	20			Initial Weight/Volume:	0.68 g
Analysis Date:	06/02/2011 1445			Final Weight/Volume:	50 mL
Prep Date:	06/02/2011 0845				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Ag		0.036	J	0.016	0.16
Al		8600	^	6.6	7.9
As		7.8	B	0.17	0.79
Cd		0.31	J	0.31	0.79
Cr		15		0.30	0.79
Cu		58		0.63	1.6
Ni		17		0.25	0.79
Pb		38		0.12	0.39
Sb		0.71	J	0.19	0.79
Zn		140		3.1	6.3

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	700-101270	Instrument ID:	LEEMAN HYDRA
Prep Method:	7471B	Prep Batch:	700-101232	Lab File ID:	06022011-4.CSV
Dilution:	1.0			Initial Weight/Volume:	0.75 g
Analysis Date:	06/03/2011 1536			Final Weight/Volume:	40 mL
Prep Date:	06/03/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.012	U	0.0070	0.012

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

General Chemistry

Client Sample ID: **#1-7 Composite**

Lab Sample ID: 700-58471-8
Client Matrix: Solid

Date Sampled: 05/26/2011 1140
Date Received: 05/27/2011 0730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-101132	Analysis Date: 06/01/2011 1330						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-101132	Analysis Date: 06/01/2011 1330						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	X	Surrogate is outside control limits
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101297

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-101297/6	Analysis Batch:	700-101297	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G060307.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/03/2011 0920	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0920				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	5.0	U	1.2	5.0
1,1,1-Trichloroethane	5.0	U	1.5	5.0
1,1,2,2-Tetrachloroethane	5.0	U	1.7	5.0
1,1,2-Trichloroethane	5.0	U	1.2	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,1-Dichloroethene	5.0	U	1.3	5.0
1,1-Dichloropropene	5.0	U	1.4	5.0
1,2,3-Trichlorobenzene	5.0	U	2.0	5.0
1,2,3-Trichloropropane	5.0	U	2.6	5.0
1,2,4-Trimethylbenzene	5.0	U	0.66	5.0
1,2-Dibromo-3-Chloropropane	10	U	3.0	10
1,2-Dichloroethane	5.0	U	2.0	5.0
1,2-Dichloropropane	5.0	U	1.2	5.0
1,3,5-Trimethylbenzene	5.0	U	0.60	5.0
1,3-Dichloropropane	5.0	U	1.3	5.0
1,4-Dichlorobenzene	5.0	U	0.82	5.0
2,2-Dichloropropane	5.0	U	1.4	5.0
2-Butanone (MEK)	25	U	11	25
2-Chlorotoluene	5.0	U	1.1	5.0
2-Hexanone	25	U	11	25
4-Chlorotoluene	5.0	U	0.74	5.0
4-Isopropyltoluene	5.0	U	1.0	5.0
4-Methyl-2-pentanone (MIBK)	25	U	11	25
Acetone	50	U	5.1	50
Benzene	5.0	U	1.1	5.0
Bromobenzene	5.0	U	1.8	5.0
Bromoform	5.0	U	1.1	5.0
Bromomethane	10	U	3.6	10
Carbon disulfide	0.790	J	0.78	5.0
Carbon tetrachloride	5.0	U	1.4	5.0
Chlorobenzene	5.0	U	1.1	5.0
Chlorobromomethane	5.0	U	1.2	5.0
Chlorodibromomethane	5.0	U	1.2	5.0
Chloroethane	10	U	1.5	10
Chloroform	5.0	U	0.82	5.0
Chloromethane	10	U	2.3	10
cis-1,2-Dichloroethene	5.0	U	0.96	5.0
cis-1,3-Dichloropropene	5.0	U	1.0	5.0
Dibromomethane	5.0	U	0.34	5.0
Dichlorobromomethane	5.0	U	1.2	5.0
Dichlorodifluoromethane	5.0	U	1.2	5.0
Ethylbenzene	5.0	U	1.8	5.0
Ethylene Dibromide	5.0	U	1.2	5.0
Isopropylbenzene	5.0	U	0.78	5.0
Methyl tert-butyl ether	50	U	3.2	50

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101297

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 700-101297/6	Analysis Batch:	700-101297	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G060307.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/03/2011 0920	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0920				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methylene Chloride	5.0	U	1.6	5.0
m-Xylene & p-Xylene	10	U	0.74	10
Naphthalene	5.0	U	3.5	5.0
n-Butylbenzene	5.0	U	1.3	5.0
N-Propylbenzene	5.0	U	0.56	5.0
o-Xylene	5.0	U	0.60	5.0
sec-Butylbenzene	5.0	U	0.69	5.0
Styrene	5.0	U	0.61	5.0
tert-Butylbenzene	5.0	U	0.68	5.0
Tetrachloroethene	5.0	U	0.90	5.0
Toluene	5.0	U	1.0	5.0
trans-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,3-Dichloropropene	5.0	U	0.97	5.0
Trichloroethene	5.0	U	0.90	5.0
Trichlorofluoromethane	5.0	U	1.3	5.0
Vinyl chloride	10	U	1.6	10
Xylenes, Total	15	U	1.3	15
Bromoethane	5.0	U	3.2	5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	86	30 - 126
Dibromofluoromethane	99	30 - 140
Toluene-d8 (Surr)	99	42 - 130

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Reporting Limit Check - Batch: 700-101297

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-101297/2	Analysis Batch:	700-101297	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G060303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/03/2011 0717	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0717				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	1.00	5.0	107	50 - 150	U
1,1,1-Trichloroethane	1.00	1.63	163	50 - 150	J
1,1,2,2-Tetrachloroethane	1.00	5.0	108	50 - 150	U
1,1,2-Trichloroethane	1.00	1.51	151	50 - 150	J
1,1-Dichloroethane	1.00	1.80	180	50 - 150	J
1,1-Dichloroethene	1.00	5.0	129	50 - 150	U
1,1-Dichloropropene	1.00	1.51	151	50 - 150	J
1,2,3-Trichlorobenzene	1.00	5.0	135	50 - 150	U
1,2-Dibromo-3-Chloropropane	1.00	10	79	1 - 150	U
1,2-Dichloroethane	1.00	5.0	143	50 - 150	U
1,2-Dichloropropane	1.00	1.40	140	50 - 150	J
1,3,5-Trimethylbenzene	1.00	1.02	102	50 - 150	J
1,3-Dichloropropane	1.00	1.41	141	50 - 150	J
1,4-Dichlorobenzene	1.00	1.48	148	50 - 150	J
2,2-Dichloropropane	1.00	1.44	144	50 - 150	J
2-Chlorotoluene	1.00	1.12	112	50 - 150	J
2-Hexanone	5.00	25	138	50 - 200	U
4-Chlorotoluene	1.00	1.11	111	50 - 150	J
4-Isopropyltoluene	1.00	5.0	95	50 - 150	U
4-Methyl-2-pentanone (MIBK)	5.00	25	139	50 - 150	U
Acetone	5.00	10.5	211	50 - 200	J
Benzene	1.00	1.58	158	50 - 150	J
Bromobenzene	1.00	5.0	123	50 - 150	U
Bromoform	1.00	5.0	90	50 - 150	U
Bromomethane	1.00	10	168	50 - 150	U
Carbon disulfide	1.00	1.31	131	1 - 200	J
Carbon tetrachloride	1.00	1.53	153	50 - 200	J
Chlorobenzene	1.00	1.36	136	50 - 150	J
Chlorobromomethane	1.00	1.56	156	50 - 150	J
Chlorodibromomethane	1.00	5.0	91	50 - 150	U
Chloroethane	1.00	10	125	50 - 150	U
Chloroform	1.00	1.69	169	50 - 150	J
Chloromethane	1.00	10	100	50 - 150	U
cis-1,2-Dichloroethene	1.00	1.64	164	50 - 150	J
cis-1,3-Dichloropropene	1.00	1.10	110	50 - 150	J
Dibromomethane	1.00	1.60	160	50 - 150	J
Dichlorobromomethane	1.00	1.32	132	50 - 150	J
Dichlorodifluoromethane	1.00	5.0	117	50 - 150	U
Ethylbenzene	1.00	5.0	109	50 - 150	U
Ethylene Dibromide	1.00	1.23	123	50 - 150	J
Isopropylbenzene	1.00	1.07	107	50 - 150	J
Methyl tert-butyl ether	1.00	50	117	50 - 150	U
Methylene Chloride	1.00	2.17	217	50 - 150	J
m-Xylene & p-Xylene	2.00	2.28	114	50 - 150	J
Naphthalene	1.00	5.0	123	50 - 150	U
n-Butylbenzene	1.00	5.0	97	50 - 150	U

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Reporting Limit Check - Batch: 700-101297

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 700-101297/2	Analysis Batch:	700-101297	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G060303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/03/2011 0717	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0717				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
o-Xylene	1.00	1.19	119	50 - 150	J
Styrene	1.00	0.994	99	50 - 150	J
tert-Butylbenzene	1.00	0.986	99	50 - 150	J
Tetrachloroethene	1.00	1.69	169	50 - 150	J
Toluene	1.00	1.76	176	50 - 150	J
trans-1,2-Dichloroethene	1.00	1.60	160	50 - 150	J
trans-1,3-Dichloropropene	1.00	1.19	119	50 - 150	J
Trichloroethene	1.00	1.53	153	50 - 150	J
Trichlorofluoromethane	1.00	1.46	146	50 - 150	J
Vinyl chloride	1.00	10	151	50 - 150	U
Bromoethane	1.00	5.0	204	50 - 150	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	86	50 - 150
Dibromofluoromethane	99	50 - 150
Toluene-d8 (Surr)	97	50 - 150

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101297

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-101297/4	Analysis Batch:	700-101297	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G060305.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/03/2011 0818	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0818				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-101297/5	Analysis Batch:	700-101297	Instrument ID:	VMG
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	G060306.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/03/2011 0849	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/03/2011 0849				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	92	86	64 - 130	7	54		
1,1,2,2-Tetrachloroethane	88	79	38 - 154	11	28		
1,1,2-Trichloroethane	99	92	50 - 143	7	27		
1,1-Dichloroethane	94	84	56 - 148	11	38		
1,1-Dichloroethene	85	75	48 - 154	12	46		
1,2-Dichloroethane	95	89	58 - 147	7	25		
1,2-Dichloropropane	100	88	63 - 134	12	27		
1,4-Dichlorobenzene	97	76	49 - 139	24	36		
2-Hexanone	94	86	40 - 151	9	32		
4-Methyl-2-pentanone (MIBK)	94	87	42 - 159	8	37		
Acetone	102	93	23 - 150	10	28		
Benzene	95	86	69 - 137	9	42		
Bromoform	66	61	42 - 144	7	24		
Carbon disulfide	85	77	50 - 150	10	68		
Carbon tetrachloride	85	79	50 - 150	7	59		
Chlorobenzene	88	77	70 - 138	13	34		
Chlorodibromomethane	74	66	50 - 137	11	22		
Chloroform	93	82	65 - 136	13	38		
cis-1,2-Dichloroethene	76	69	50 - 150	9	37		
cis-1,3-Dichloropropene	81	74	50 - 150	9	30		
Dichlorobromomethane	84	78	50 - 150	8	33		
Ethylbenzene	86	72	72 - 123	18	44		
Methyl tert-butyl ether	83	77	70 - 130	7	30	J	J
Methylene Chloride	95	83	58 - 138	13	32		
m-Xylene & p-Xylene	85	70	50 - 150	19	43		
o-Xylene	80	70	50 - 150	12	32		
Styrene	85	72	60 - 132	16	45		
Tetrachloroethene	97	89	61 - 141	9	44		
Toluene	98	85	66 - 141	14	32		
trans-1,2-Dichloroethene	100	88	73 - 129	13	56		
trans-1,3-Dichloropropene	81	74	56 - 140	9	50		
Trichloroethene	98	89	68 - 138	10	34		
Bromoethane	95	89	70 - 130	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	89	90	30 - 126

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	97	96	30 - 140
Toluene-d8 (Surr)	99	103	42 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101297

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 700-101297/4	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-101297/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/03/2011 0818			Analysis Date:	06/03/2011 0849
Prep Date:	06/03/2011 0818			Prep Date:	06/03/2011 0849
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1,1-Trichloroethane	25.0	25.0	23.0		21.5	
1,1,2,2-Tetrachloroethane	25.0	25.0	22.0		19.8	
1,1,2-Trichloroethane	25.0	25.0	24.8		23.1	
1,1-Dichloroethane	25.0	25.0	23.4		20.9	
1,1-Dichloroethene	25.0	25.0	21.3		18.8	
1,2-Dichloroethane	25.0	25.0	23.9		22.2	
1,2-Dichloropropane	25.0	25.0	24.9		22.0	
1,4-Dichlorobenzene	25.0	25.0	24.3		19.1	
2-Hexanone	100	100	94.0		85.9	
4-Methyl-2-pentanone (MIBK)	100	100	94.3		87.0	
Acetone	100	100	102		92.6	
Benzene	25.0	25.0	23.7		21.6	
Bromoform	25.0	25.0	16.5		15.3	
Carbon disulfide	100	100	85.0		76.6	
Carbon tetrachloride	25.0	25.0	21.2		19.8	
Chlorobenzene	25.0	25.0	22.0		19.2	
Chlorodibromomethane	25.0	25.0	18.6		16.6	
Chloroform	25.0	25.0	23.4		20.6	
cis-1,2-Dichloroethene	25.0	25.0	19.1		17.3	
cis-1,3-Dichloropropene	25.0	25.0	20.3		18.6	
Dichlorobromomethane	25.0	25.0	21.0		19.4	
Ethylbenzene	25.0	25.0	21.5		18.0	
Methyl tert-butyl ether	25.0	25.0	20.6	J	19.2	J
Methylene Chloride	25.0	25.0	23.8		20.8	
m-Xylene & p-Xylene	50.0	50.0	42.6		35.1	
o-Xylene	25.0	25.0	19.9		17.6	
Styrene	25.0	25.0	21.4		18.1	
Tetrachloroethene	25.0	25.0	24.2		22.2	
Toluene	25.0	25.0	24.4		21.3	
trans-1,2-Dichloroethene	25.0	25.0	24.9		21.9	
trans-1,3-Dichloropropene	25.0	25.0	20.3		18.5	
Trichloroethene	25.0	25.0	24.6		22.2	
Bromoethane	25.3	25.3	24.1		22.5	

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101151

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 700-101151/1-A	Analysis Batch:	700-101279	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	C060307.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/03/2011 1145	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	66	U	22	66
1,2-Dichlorobenzene	66	U	36	66
1,3-Dinitrobenzene	66	U	66	66
1,4-Dichlorobenzene	66	U	14	66
2,4-Dimethylphenol	66	U	54	66
2-Methylphenol	66	U	58	66
3 & 4 Methylphenol	66	U	36	66
Benzoic acid	340	U	32	340
Benzyl alcohol	66	U	36	66
Bis(2-ethylhexyl) phthalate	66	U	48	66
Butyl benzyl phthalate	66	U	36	66
Diethyl phthalate	66	U	36	66
Dimethyl phthalate	66	U	42	66
Di-n-butyl phthalate	66	U	34	66
Di-n-octyl phthalate	66	U	34	66
Hexachlorobenzene	66	U	36	66
Hexachlorobutadiene	66	U	26	66
Hexachloroethane	66	U	28	66
N-Nitrosodiphenylamine	66	U	36	66
Pentachlorophenol	340	U	28	340
Phenol	66	U	28	66

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	38		5.0 - 130
2-Fluorobiphenyl	45		31 - 130
2-Fluorophenol (Surr)	35		10 - 128
Nitrobenzene-d5 (Surr)	36		35 - 130
Phenol-d5 (Surr)	37		29 - 130
Terphenyl-d14 (Surr)	32	X	37 - 149

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101151

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101151/2-A	Analysis Batch:	700-101175	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	C060216.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1437	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-101151/3-A	Analysis Batch:	700-101175	Instrument ID:	SMC
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	C060217.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1508	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	57	61	34 - 130	6	22		
1,4-Dichlorobenzene	49	54	30 - 130	11	31		
Pentachlorophenol	80	76	34 - 133	4	55		
Phenol	70	74	32 - 130	6	39		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79	80	5.0 - 130
2-Fluorobiphenyl	91	87	31 - 130
2-Fluorophenol (Surr)	57	60	10 - 128
Nitrobenzene-d5 (Surr)	48	58	35 - 130
Phenol-d5 (Surr)	59	64	29 - 130
Terphenyl-d14 (Surr)	63	62	37 - 149

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101151

Method: 8270D
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101151/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-101151/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	06/02/2011 1437			Analysis Date:	06/02/2011 1508
Prep Date:	06/01/2011 1556			Prep Date:	06/01/2011 1556
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	1670	1670	951	1010
1,4-Dichlorobenzene	1670	1670	808	905
Pentachlorophenol	3330	3330	2650	2540
Phenol	3330	3330	2330	2480

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101151

Method: 8270D LL
Preparation: 3550C

Lab Sample ID:	MB 700-101151/1-A	Analysis Batch:	700-101237	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	B060210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1527	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1-Methylnaphthalene	6.7	U	1.7	6.7
Acenaphthene	6.7	U	3.1	6.7
Acenaphthylene	6.7	U	1.8	6.7
Anthracene	6.7	U	4.4	6.7
Benzo[k]fluoranthene	6.7	U	2.6	6.7
Benzo[g,h,i]perylene	6.7	U	2.5	6.7
Benzo[b]fluoranthene	6.7	U	2.8	6.7
Benzo[a]pyrene	6.7	U	3.2	6.7
Benzo[a]anthracene	6.7	U	2.1	6.7
Chrysene	6.7	U	1.9	6.7
Dibenz(a,h)anthracene	6.7	U	4.1	6.7
Fluoranthene	6.7	U	1.8	6.7
Fluorene	6.7	U	2.8	6.7
Naphthalene	6.7	U	3.4	6.7
Phenanthrene	6.7	U	2.2	6.7
Pyrene	6.7	U	1.7	6.7
Indeno[1,2,3-cd]pyrene	6.7	U	3.0	6.7

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	49	30 - 130
Terphenyl-d14 (Surr)	80	30 - 149
2-Fluorobiphenyl	52	31 - 130

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101151

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101151/2-A	Analysis Batch:	700-101237	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	B060208.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1422	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-101151/3-A	Analysis Batch:	700-101237	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	B060209.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1455	Units:	ug/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1-Methylnaphthalene	53	56	30 - 140	5	50		
Acenaphthene	56	61	34 - 134	8	49		
Acenaphthylene	56	60	44 - 140	7	48		
Anthracene	64	65	44 - 126	3	27		
Benzo[k]fluoranthene	73	64	30 - 147	13	48		
Benzo[g,h,i]perylene	61	49	32 - 133	22	50		
Benzo[b]fluoranthene	64	58	34 - 138	10	51		
Benzo[a]pyrene	67	58	30 - 132	14	55		
Benzo[a]anthracene	63	62	39 - 134	2	43		
Chrysene	69	72	39 - 138	5	41		
Dibenz(a,h)anthracene	40	28	32 - 134	34	50		*
Fluoranthene	69	65	39 - 139	5	50		
Fluorene	60	60	41 - 130	1	50		
Naphthalene	49	52	26 - 140	7	34		
Phenanthrene	64	66	45 - 129	4	30		
Pyrene	71	75	32 - 130	5	42		
Indeno[1,2,3-cd]pyrene	55	44	26 - 140	23	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	49	55	30 - 130
Terphenyl-d14 (Surr)	69	73	30 - 149
2-Fluorobiphenyl	53	59	31 - 130

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101151

Method: 8270D LL
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101151/2-A	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	5.0		
Analysis Date:	06/02/2011 1422		
Prep Date:	06/01/2011 1556		
Leach Date:	N/A		

LCSD Lab Sample ID:	LCSD 700-101151/3-A
Client Matrix:	Solid
Dilution:	5.0
Analysis Date:	06/02/2011 1455
Prep Date:	06/01/2011 1556
Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
1-Methylnaphthalene	667	667	352	371	
Acenaphthene	2330	2330	1320	1430	
Acenaphthylene	667	667	375	403	
Anthracene	667	667	424	436	
Benzo[k]fluoranthene	667	667	486	427	
Benzo[g,h,i]perylene	667	667	404	324	
Benzo[b]fluoranthene	667	667	424	384	
Benzo[a]pyrene	667	667	447	388	
Benzo[a]anthracene	667	667	421	412	
Chrysene	667	667	457	478	
Dibenz(a,h)anthracene	667	667	264	188	*
Fluoranthene	667	667	460	436	
Fluorene	667	667	397	401	
Naphthalene	667	667	326	349	
Phenanthrene	667	667	424	443	
Pyrene	2330	2330	1670	1760	
Indeno[1,2,3-cd]pyrene	667	667	365	291	

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101151

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-58471-8	Analysis Batch:	700-101237	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	B060216.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1840			Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	700-58471-8	Analysis Batch:	700-101237	Instrument ID:	SMB
Client Matrix:	Solid	Prep Batch:	700-101151	Lab File ID:	B060217.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/02/2011 1912			Final Weight/Volume:	1.0 mL
Prep Date:	06/01/2011 1556			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1-Methylnaphthalene	52	55	30 - 140	5	50		
Acenaphthene	54	61	34 - 134	11	49		
Acenaphthylene	56	63	44 - 140	12	48		
Anthracene	56	62	44 - 126	10	27		
Benzo[k]fluoranthene	56	66	30 - 147	13	48		
Benzo[g,h,i]perylene	52	61	32 - 133	13	50		
Benzo[b]fluoranthene	59	78	34 - 138	16	51		
Benzo[a]pyrene	64	79	30 - 132	15	55		
Benzo[a]anthracene	48	63	39 - 134	15	43		
Chrysene	51	68	39 - 138	16	41		
Dibenz(a,h)anthracene	43	49	32 - 134	11	50		
Fluoranthene	49	67	39 - 139	12	50		
Fluorene	55	63	41 - 130	12	50		
Naphthalene	50	52	26 - 140	4	34		
Phenanthrene	67	69	45 - 129	2	30		
Pyrene	52	62	32 - 130	13	42		
Indeno[1,2,3-cd]pyrene	56	64	26 - 140	11	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	53	57	30 - 130
Terphenyl-d14 (Surr)	52	60	30 - 149
2-Fluorobiphenyl	54	60	31 - 130

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101151

Method: 8270D LL
Preparation: 3550C

MS Lab Sample ID:	700-58471-8	Units:	ug/Kg	MSD Lab Sample ID:	700-58471-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	06/02/2011 1840			Analysis Date:	06/02/2011 1912
Prep Date:	06/01/2011 1556			Prep Date:	06/01/2011 1556
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1-Methylnaphthalene	140		712	712	411	430
Acenaphthene	140		2490	2490	1370	1540
Acenaphthylene	140	U	712	712	396	447
Anthracene	140		712	712	457	505
Benzo[k]fluoranthene	140		712	712	504	575
Benzo[g,h,i]perylene	100		712	712	468	533
Benzo[b]fluoranthene	200		712	712	774	904
Benzo[a]pyrene	170		712	712	696	806
Benzo[a]anthracene	180		712	712	632	738
Chrysene	180		712	712	669	784
Dibenz(a,h)anthracene	140		712	712	332	370
Fluoranthene	410		712	712	1040	1170
Fluorene	140		712	712	413	466
Naphthalene	140		712	712	405	420
Phenanthrene	180		712	712	709	720
Pyrene	430		2490	2490	1830	2080
Indeno[1,2,3-cd]pyrene	90		712	712	487	544

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101423

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-101423/1-A	Analysis Batch:	700-101543	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101423	Lab File ID:	Z060809.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/08/2011 1334	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/07/2011 1500			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	17	U	1.5	17
beta-BHC	1.7	U	0.12	1.7
alpha-Chlordane	1.7	U	0.097	1.7
alpha-BHC	1.7	U	0.12	1.7
Aldrin	1.7	U	0.29	1.7
4,4'-DDT	3.3	U	0.54	3.3
4,4'-DDE	3.3	U	0.30	3.3
4,4'-DDD	3.3	U	0.34	3.3
delta-BHC	1.7	U	0.25	1.7
Dieldrin	3.3	U	0.26	3.3
Endosulfan, alpha	1.7	U	0.12	1.7
Endosulfan, beta	3.3	U	0.39	3.3
Endosulfan sulfate	3.3	U	0.34	3.3
Endrin	3.3	U	0.38	3.3
Endrin aldehyde	3.3	U	0.38	3.3
Endrin ketone	3.3	U	0.30	3.3
gamma-BHC (Lindane)	1.7	U	0.11	1.7
gamma-Chlordane	1.7	U	0.10	1.7
Heptachlor	1.7	U	0.19	1.7
Heptachlor epoxide	1.7	U	0.13	1.7
Methoxychlor	17	U	0.28	17
PCB-1016	33	U	3.0	33
Toxaphene	170	U	11	170
PCB-1221	67	U	1.8	67
PCB-1232	33	U	3.7	33
PCB-1242	33	U	2.8	33
PCB-1248	33	U	4.3	33
PCB-1254	33	U	3.1	33
PCB-1260	33	U	2.6	33
cis-Nonachlor	1.7	U	0.021	1.7
oxy-Chlordane	1.7	U	0.017	1.7
trans-Nonachlor	1.7	U	0.041	1.7

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	30 - 150
Tetrachloro-m-xylene	66	30 - 150

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101423

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101423/2-A	Analysis Batch:	700-101543	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101423	Lab File ID:	Z060810.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/08/2011 1405	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/07/2011 1500			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-101423/3-A	Analysis Batch:	700-101543	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101423	Lab File ID:	Z060811.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/08/2011 1436	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/07/2011 1500			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
beta-BHC	81	83	12 - 148	2	40		
alpha-BHC	52	59	20 - 130	13	40		
Aldrin	74	74	25 - 130	0	38		
4,4'-DDT	38	33	24 - 148	12	30	J	J
4,4'-DDE	57	59	20 - 130	4	30		
4,4'-DDD	80	81	13 - 148	0	50		
delta-BHC	81	84	10 - 146	4	47		
Dieldrin	42	43	22 - 145	2	30	J	J
Endosulfan, alpha	63	61	17 - 199	5	40		
Endosulfan, beta	46	48	10 - 146	3	65	J	J
Endosulfan sulfate	101	105	10 - 166	4	50		
Endrin	78	78	26 - 140	0	32		
Endrin aldehyde	79	82	14 - 135	3	86		
Endrin ketone	69	69	24 - 145	0	31		
gamma-BHC (Lindane)	67	66	20 - 130	2	37		
Heptachlor	70	67	19 - 139	3	38		
Heptachlor epoxide	70	72	38 - 130	2	40		

Surrogate	LCS % Rec	LCSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	89	178	X	30 - 150
Tetrachloro-m-xylene	60	118		30 - 150

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101423

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101423/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-101423/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	06/08/2011 1405			Analysis Date:	06/08/2011 1436
Prep Date:	06/07/2011 1500			Prep Date:	06/07/2011 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
beta-BHC	6.67	6.67	5.41		5.50	
alpha-BHC	6.67	6.67	3.46		3.93	
Aldrin	6.67	6.67	4.94		4.93	
4,4'-DDT	6.67	6.67	2.50	J	2.22	J
4,4'-DDE	6.67	6.67	3.80		3.96	
4,4'-DDD	6.67	6.67	5.37		5.37	
delta-BHC	6.67	6.67	5.40		5.60	
Dieldrin	6.67	6.67	2.80	J	2.86	J
Endosulfan, alpha	6.67	6.67	4.23		4.05	
Endosulfan, beta	6.67	6.67	3.06	J	3.17	J
Endosulfan sulfate	6.67	6.67	6.72		7.00	
Endrin	6.67	6.67	5.21		5.22	
Endrin aldehyde	6.67	6.67	5.30		5.46	
Endrin ketone	6.67	6.67	4.59		4.60	
gamma-BHC (Lindane)	6.67	6.67	4.45		4.37	
Heptachlor	6.67	6.67	4.66		4.50	
Heptachlor epoxide	6.67	6.67	4.68		4.79	

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101423

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-58471-8	Analysis Batch:	700-101543	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101423	Lab File ID:	Z060816.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/08/2011 1712			Final Weight/Volume:	5.0 mL
Prep Date:	06/07/2011 1500			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	700-58471-8	Analysis Batch:	700-101543	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101423	Lab File ID:	Z060817.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/08/2011 1743			Final Weight/Volume:	5.0 mL
Prep Date:	06/07/2011 1500			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
beta-BHC	64	78	12 - 148	20	40		
alpha-BHC	99	98	20 - 130	1	40		
Aldrin	211	186	25 - 130	2	38	E 4	E 4
4,4'-DDT	208	184	24 - 148	12	30	F	F
4,4'-DDE	118	112	20 - 130	5	30		
4,4'-DDD	91	85	13 - 148	7	50		
delta-BHC	109	107	10 - 146	2	47		
Dieldrin	113	62	22 - 145	14	30		
Endosulfan, alpha	56	34	17 - 199	49	40		F
Endosulfan, beta	38	44	10 - 146	14	65	J	J
Endosulfan sulfate	69	91	10 - 166	27	50		
Endrin	105	98	26 - 140	7	32		
Endrin aldehyde	62	60	14 - 135	3	86		
Endrin ketone	101	89	24 - 145	12	31		
gamma-BHC (Lindane)	99	103	20 - 130	4	37		
Heptachlor	91	94	19 - 139	2	38		
Heptachlor epoxide	89	113	38 - 130	24	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	72	60	30 - 150
Tetrachloro-m-xylene	92	92	30 - 150

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101423

Method: 8081B/8082A
Preparation: 3550C

MS Lab Sample ID:	700-58471-8	Units:	ug/Kg	MSD Lab Sample ID:	700-58471-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	06/08/2011 1712			Analysis Date:	06/08/2011 1743
Prep Date:	06/07/2011 1500			Prep Date:	06/07/2011 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
beta-BHC	1.8	U	7.12	7.12	4.57		5.57	
alpha-BHC	1.8	U	7.12	7.12	7.03		6.98	
Aldrin	91		7.12	7.12	106	E 4	105	E 4
4,4'-DDT	3.5	U	7.12	7.12	14.8	F	13.1	F
4,4'-DDE	3.5	U	7.12	7.12	8.41		8.01	
4,4'-DDD	3.5	U	7.12	7.12	6.46		6.03	
delta-BHC	1.8	U	7.12	7.12	7.76		7.63	
Dieldrin	19		7.12	7.12	27.3		23.7	
Endosulfan, alpha	1.8	U	7.12	7.12	3.98		2.41	F
Endosulfan, beta	3.5	U	7.12	7.12	2.71	J	3.11	J
Endosulfan sulfate	3.5	U	7.12	7.12	4.93		6.45	
Endrin	3.5	U	7.12	7.12	7.50		6.99	
Endrin aldehyde	3.5	U	7.12	7.12	4.38		4.25	
Endrin ketone	3.5	U	7.12	7.12	7.16		6.33	
gamma-BHC (Lindane)	1.8	U	7.12	7.12	7.03		7.32	
Heptachlor	2.7		7.12	7.12	9.25		9.46	
Heptachlor epoxide	1.8	U	7.12	7.12	6.33		8.05	

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101298

Method: 8151A
Preparation: 8151A

Lab Sample ID:	MB 700-101298/1-A	Analysis Batch:	700-101392	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-101298	Lab File ID:	Y060625.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	06/06/2011 1706	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/04/2011 1730			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2,4,5-T	8.3	U	1.3	8.3
2,4-D	8.3	U	2.9	8.3
2,4-DB	8.3	U	4.8	8.3
Dalapon	2000	U	0.92	2000
Dicamba	20	U	1.6	20
Dichlorprop	100	U	1.3	100
Dinoseb	100	U	1.6	100
MCPA	2000	U	48	2000
MCPP	2000	U	92	2000
Silvex (2,4,5-TP)	8.3	U	1.7	8.3

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	115	10 - 135

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101298

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-101298/2-A	Analysis Batch:	700-101392	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-101298	Lab File ID:	Y060626.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	06/06/2011 1746	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/04/2011 1730			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-101298/3-A	Analysis Batch:	700-101392	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-101298	Lab File ID:	Y060627.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	06/06/2011 1826	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/04/2011 1730			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-T	104	96	19 - 121	7	40		
2,4-D	99	115	16 - 141	14	106		
2,4-DB	42	37	10 - 157	13	68		
Dalapon	116	112	10 - 271	3	190	J	J
Dicamba	91	86	11 - 133	6	50		
Dichlorprop	81	76	10 - 138	6	46	J	J
Dinoseb	37	38	10 - 190	4	312	J	J
MCPA	96	81	10 - 114	17	178		
MCPP	103	100	10 - 108	3	109		
Silvex (2,4,5-TP)	103	95	29 - 120	7	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	97	91	10 - 135

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101298

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 700-101298/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-101298/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	06/06/2011 1746			Analysis Date:	06/06/2011 1826
Prep Date:	06/04/2011 1730			Prep Date:	06/04/2011 1730
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
2,4,5-T	20.0	20.0	20.7		19.3	
2,4-D	20.0	20.0	19.9		23.0	
2,4-DB	20.0	20.0	8.38		7.38	
Dalapon	20.0	20.0	23.2	J	22.5	J
Dicamba	20.0	20.0	18.3		17.2	
Dichlorprop	20.0	20.0	16.1	J	15.2	J
Dinoseb	20.0	20.0	7.34	J	7.65	J
MCPA	2000	2000	1910		1610	
MCPP	2000	2000	2070		2000	
Silvex (2,4,5-TP)	20.0	20.0	20.5		19.1	

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101298

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-58471-8	Analysis Batch:	700-101392	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-101298	Lab File ID:	Y060635.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	06/06/2011 2344			Final Weight/Volume:	5.0 mL
Prep Date:	06/04/2011 1730			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	700-58471-8	Analysis Batch:	700-101392	Instrument ID:	SGY
Client Matrix:	Solid	Prep Batch:	700-101298	Lab File ID:	Y060636.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50.0 g
Analysis Date:	06/07/2011 0023			Final Weight/Volume:	5.0 mL
Prep Date:	06/04/2011 1730			Injection Volume:	0.5 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4,5-T	79	80	27 - 168	1	59		
2,4-D	70	72	26 - 159	3	47		
2,4-DB	133	100	10 - 181	29	40		
Dalapon	77	79	1.0 - 213	2	40	J	J
Dicamba	77	82	29 - 145	6	40		
Dichlorprop	87	90	28 - 100	3	40	J	J
Dinoseb	71	78	1.0 - 130	10	50	J	J
MCPA	84	88	29 - 134	5	50		
MCPP	102	103	13 - 157	0	50		
Silvex (2,4,5-TP)	94	102	32 - 134	7	51		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	92	94	10 - 135

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101298

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	700-58471-8	Units:	ug/Kg	MSD Lab Sample ID:	700-58471-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	2.0			Dilution:	2.0
Analysis Date:	06/06/2011 2344			Analysis Date:	06/07/2011 0023
Prep Date:	06/04/2011 1730			Prep Date:	06/04/2011 1730
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2,4,5-T	8.9	U	21.4	21.4	16.9		17.1	
2,4-D	8.9	U	21.4	21.4	14.9		15.4	
2,4-DB	8.9	U	21.4	21.4	28.5		21.3	
Dalapon	2100	U	21.4	21.4	16.6	J	16.9	J
Dicamba	21	U	21.4	21.4	16.4		17.5	
Dichlorprop	110	U	21.4	21.4	18.6	J	19.2	J
Dinoseb	110	U	21.4	21.4	15.1	J	16.7	J
MCPA	2100	U	2140	2140	1790		1880	
MCPP	2100	U	2140	2140	2190		2190	
Silvex (2,4,5-TP)	8.9	U	21.4	21.4	20.2		21.7	

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101155

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 700-101155/1-A	Analysis Batch:	700-101166	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-101155	Lab File ID:	114SMPL.D#.raw
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	06/02/2011 1338	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/02/2011 0845				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ag	0.10	U	0.010	0.10
Al	5.0	U	4.2	5.0
As	0.154	J	0.11	0.50
Cd	0.50	U	0.20	0.50
Cr	0.50	U	0.19	0.50
Cu	1.0	U	0.40	1.0
Ni	0.50	U	0.16	0.50
Pb	0.25	U	0.074	0.25
Sb	0.50	U	0.12	0.50
Zn	4.0	U	2.0	4.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101155

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-101155/2-A	Analysis Batch:	700-101166	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-101155	Lab File ID:	117SMPL.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	06/02/2011 1415	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/02/2011 0845				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-101155/3-A	Analysis Batch:	700-101166	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-101155	Lab File ID:	118SMPL.D#.raw
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	06/02/2011 1430	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/02/2011 0845				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ag	100	100	75 - 125	0	20		
Al	109	111	75 - 125	2	20		
As	98	100	75 - 125	3	20		
Cd	99	102	75 - 125	2	20		
Cr	98	99	75 - 125	2	20		
Cu	97	100	75 - 125	3	20		
Ni	95	97	75 - 125	2	20		
Pb	106	108	75 - 125	2	20		
Sb	101	103	75 - 125	2	20		
Zn	98	99	75 - 125	1	20		

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101155

Method: 6020
Preparation: 3050B

LCS Lab Sample ID:	LCS 700-101155/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-101155/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	06/02/2011 1415			Analysis Date:	06/02/2011 1430
Prep Date:	06/02/2011 0845			Prep Date:	06/02/2011 0845
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ag	100	100	100	100
Al	100	100	109	111
As	100	100	97.6	100
Cd	100	100	99.2	102
Cr	100	100	97.6	99.2
Cu	100	100	97.3	99.8
Ni	100	100	94.9	97.0
Pb	100	100	106	108
Sb	100	100	101	103
Zn	100	100	97.8	99.0

Matrix Spike - Batch: 700-101155

Method: 6020
Preparation: 3050B

Lab Sample ID:	700-58471-A-8-B MS	Analysis Batch:	700-101166	Instrument ID:	ICPMS
Client Matrix:	Solid	Prep Batch:	700-101155	Lab File ID:	115SMPL.D#.raw
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.56 g
Analysis Date:	06/02/2011 1346	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/02/2011 0845				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Ag	0.069	J	95.4	91.4	96	70 - 130	
Al	8300		95.4	10700	2461	70 - 130	4
As	8.0		95.4	96.3	92	70 - 130	
Cd	0.34	J	95.4	92.2	96	70 - 130	
Cr	16		95.4	107	95	70 - 130	
Cu	67		95.4	124	60	70 - 130	F
Ni	19		95.4	98.7	83	70 - 130	
Pb	39		95.4	132	98	70 - 130	
Sb	0.64		95.4	64.8	67	70 - 130	F
Zn	150		95.4	175	29	70 - 130	F

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Method Blank - Batch: 700-101232

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 700-101232/1-A	Analysis Batch:	700-101270	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-101232	Lab File ID:	06022011-4.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/03/2011 1530	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	06/03/2011 0945				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.014	U	0.0082	0.014

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101232

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-101232/2-A	Analysis Batch:	700-101270	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-101232	Lab File ID:	06022011-4.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/03/2011 1532	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	06/03/2011 0945				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 700-101232/3-A	Analysis Batch:	700-101270	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-101232	Lab File ID:	06022011-4.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/03/2011 1534	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	06/03/2011 0945				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	93	92	80 - 120	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101232

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 700-101232/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 700-101232/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/03/2011 1532			Analysis Date:	06/03/2011 1534
Prep Date:	06/03/2011 0945			Prep Date:	06/03/2011 0945
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.267	0.267	0.248	0.245

Client: USA Environment,LP

Job Number: 700-58471-1
Sdg Number: 700-58471-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101232

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	700-58471-8	Analysis Batch:	700-101270	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-101232	Lab File ID:	06022011-4.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.76 g
Analysis Date:	06/03/2011 1538			Final Weight/Volume:	40 mL
Prep Date:	06/03/2011 0945				
Leach Date:	N/A				

MSD Lab Sample ID:	700-58471-8	Analysis Batch:	700-101270	Instrument ID:	LEEMAN HYDRA
Client Matrix:	Solid	Prep Batch:	700-101232	Lab File ID:	06022011-4.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.77 g
Analysis Date:	06/03/2011 1540			Final Weight/Volume:	40 mL
Prep Date:	06/03/2011 0945				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	27	70	80 - 120	87	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-101232

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	700-58471-8	Units:	mg/Kg	MSD Lab Sample ID:	700-58471-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/03/2011 1538			Analysis Date:	06/03/2011 1540
Prep Date:	06/03/2011 0945			Prep Date:	06/03/2011 0945
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Mercury	0.012	U	0.141	0.139	0.0380	F	0.0967	F

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

June 13, 2011

TestAmerica Project Number: G1F010420
PO/Contract: 700-58471-1

Suzy Lindblom
TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693

Dear Ms. Lindblom,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on June 1, 2011. This sample is associated with your Pesticides in Soils project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4340.

Sincerely,

Bryanna Vandenberg

Bryanna Vandenberg
Project Manager

880 Riverside Parkway West Sacramento, CA 95605 **tel** 916.373.5600 **fax** 916.372.1059 **www.testamericainc.com**

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TestAmerica West Sacramento Project Number G1F010420

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 1613B, Dioxins/Furans
Sample: 1
- Sample Data Sheet
- Method Blank Report
- Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture
Sample: 1
- Sample Data Sheet
- Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G1F010420

General Comments

The sample was received by the laboratory at 1 degree Celsius. Wet ice was used as cooling agent.

SOLID, 1613B, Dioxins/Furans
Sample: 1
The 2,3,7,8-TCDF result for this sample was reported from a confirmation analysis that occurred on June 9, 2011. Analytical results are reported with a “CON” flag.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
A2LA (DoD-ELAP)	2928-01	New Mexico	NA
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania*	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas*	T104704399-08-TX
Connecticut	PH-0691	UCMR	CA00044
Florida*	E87570	US Fish & Wildlife	LE148388-0
Georgia	960	USDA Foreign Plant	37-82605
Guam	10-009r	USDA Foreign Soil	P330-09-00055
Hawaii	NA	Utah*	QUAN1
Illinois*	002701	Virginia	178
Kansas*	E-10375	Washington	C581
Louisiana*	01944	West Virginia	9930C, 334
Michigan	9947	Wisconsin	998204680
Nevada	CA44	Wyoming	8TMS-Q
New Jersey*	CA005		

*NELAP accredited. A more detailed parameter list is available upon request. *Updated 5/25/2011*

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G1F010420

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MJW6T	1	#1-7 Composite (700-58471-8)	5/26/2011 11:40 AM	6/1/2011 09:10 AM

Notes:

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as “ND” were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone (251) 666-6633 Fax (251) 666-6696

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lindblom, Suzy	Carrier Tracking No(s):	COC No: 700-12442.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: suzy.lindblom@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 700-58471-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 6/9/2011			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel)	PO #:			
Email:	WO #:			
Project Name: Pesticides in Soils	Project #: 70004521			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ EPA 1613B Dioxin	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
#1-7 Composite (700-58471-8)	5/26/11	11:40 Central		Solid			X	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by:	Date/Time: 5/31/11	Company	Received by: Chris L	Date/Time: 6/1/11 - 0925	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL MOBile PM BV ~~JSE~~ 6/1/11 LOG # 70924

LOT# (QUANTIMS ID) G1F010420 QUOTE# 38630 LOCATION W2B

Checked (✓)

DATE RECEIVED 6/1/11 TIME RECEIVED 0910 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ OTHER

☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL

☐ TAL COURIER ☐ TAL SF ☐ CLIENT ☑

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) NA

COC #(S) 700-12442.1 ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 1 Average 1 Corrected Average 1

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☑ #5 ☐ ☐ OTHER ☑

CW 6/1/11

Initials Date

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☑ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☑ N/A ☑

☑ CLOUSEAU ☑ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☐ N/A

☑ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☑ PM NOTIFIED

CW 6/1/11

Initials Date

Notes

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G1F010420

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ	/																			
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 1613B, Dioxins/Furans

TestAmerica Mobile

Client Sample ID: #1-7 Composite (700-58471-8)

Trace Level Organic Compounds

Lot-Sample #...: G1F010420-001 **Work Order #...:** MJW6T1AD **Matrix.....:** SOLID
Date Sampled...: 05/26/11 **Date Received..:** 06/01/11
Prep Date.....: 06/06/11 **Analysis Date..:** 06/09/11
Prep Batch #...: 1157118
Dilution Factor: 0.97
Analyst ID.....: 006881 **Instrument ID..:** 4D5

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.17	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.40	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.58	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	2.1	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	1.8	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	**59**		**pg/g**	**EPA-5 1613B**
OCDD	**1000**		**pg/g**	**EPA-5 1613B**
2,3,7,8-TCDF	**1.0 J,CON**		**pg/g**	**EPA-5 1613B**
1,2,3,7,8-PeCDF	ND	1.4	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.86	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	**5.0 J**		**pg/g**	**EPA-5 1613B**
1,2,3,6,7,8-HxCDF	ND	1.5	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.61	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.19	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	**14**		**pg/g**	**EPA-5 1613B**
1,2,3,4,7,8,9-HpCDF	ND	1.2	pg/g	EPA-5 1613B
OCDF	**29**		**pg/g**	**EPA-5 1613B**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	63	(25 - 164)
13C-1,2,3,7,8-PeCDD	65	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	59	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	64	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	53	(23 - 140)
13C-OCDD	58	(17 - 157)
13C-2,3,7,8-TCDF	65	(24 - 169)
13C-1,2,3,7,8-PeCDF	65	(24 - 185)
13C-2,3,4,7,8-PeCDF	72	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	62	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	61	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	63	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	54	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	57	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	58	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	89	(35 - 197)

(Continued on next page)

TestAmerica Mobile

Client Sample ID: #1-7 Composite (700-58471-8)

Trace Level Organic Compounds

Lot-Sample #...: G1F010420-001 **Work Order #...:** MJW6T1AD **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

G1F010420

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1157118	
	SOLID	ASTM D 2216-90		1159178	1159072

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1F010420 **Work Order #...:** MJ1P91AA **Matrix.....:** SOLID
MB Lot-Sample #: G1F060000-118

Prep Date.....: 06/06/11 **Instrument ID..:** 4D5
Analysis Date..: 06/09/11 **Prep Batch #...:** 1157118
Dilution Factor: 1

Analyst ID.....: 006881

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.089	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	0.12	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.075	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.062	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.087	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	0.092	pg/g	EPA-5 1613B
OCDD	ND	0.19	pg/g	EPA-5 1613B
2,3,7,8-TCDF	ND	0.091	pg/g	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.28	pg/g	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.13	pg/g	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.34	pg/g	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.11	pg/g	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.055	pg/g	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.063	pg/g	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.14	pg/g	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.29	pg/g	EPA-5 1613B
OCDF	ND	0.27	pg/g	EPA-5 1613B

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	65	(25 - 164)
13C-1,2,3,7,8-PeCDD	68	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	61	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	75	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	58	(23 - 140)
13C-OCDD	59	(17 - 157)
13C-2,3,7,8-TCDF	69	(24 - 169)
13C-1,2,3,7,8-PeCDF	69	(24 - 185)
13C-2,3,4,7,8-PeCDF	73	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	71	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	70	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	68	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	59	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	61	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	63	(26 - 152)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	89	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1F010420 **Work Order #...:** MJ1P91AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1F060000-118
Prep Date.....: 06/06/11 **Analysis Date..:** 06/10/11
Prep Batch #...: 1157118
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 006881

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	114	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	116	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	107	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	108	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	110	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	117	(70 - 140)	EPA-5 1613B
OCDD	113	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	113	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	106	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	104	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	111	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	113	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	108	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	109	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	103	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	103	(78 - 138)	EPA-5 1613B
OCDF	114	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1F010420 **Work Order #...:** MJ1P91AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1F060000-118

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	64	(20 - 175)
13C-1,2,3,7,8-PeCDD	65	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	69	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	68	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	68	(26 - 166)
13C-OCDD	66	(13 - 199)
13C-2,3,7,8-TCDF	59	(22 - 152)
13C-1,2,3,7,8-PeCDF	65	(21 - 192)
13C-2,3,4,7,8-PeCDF	63	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	65	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	68	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	72	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	69	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	74	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	67	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	88	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1F010420 **Work Order #...:** MJ1P91AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1F060000-118
Prep Date.....: 06/06/11 **Analysis Date..:** 06/10/11
Prep Batch #...: 1157118
Dilution Factor: 1 **Instrument ID..:** 9D5
Analyst ID.....: 006881

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	22.8	pg/g	114	EPA-5 1613B
1,2,3,7,8-PeCDD	100	116	pg/g	116	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	107	pg/g	107	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	108	pg/g	108	EPA-5 1613B
1,2,3,7,8,9-HxCDD	100	110	pg/g	110	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	100	117	pg/g	117	EPA-5 1613B
OCDD	200	225	pg/g	113	EPA-5 1613B
2,3,7,8-TCDF	20.0	22.5	pg/g	113	EPA-5 1613B
1,2,3,7,8-PeCDF	100	106	pg/g	106	EPA-5 1613B
2,3,4,7,8-PeCDF	100	104	pg/g	104	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	111	pg/g	111	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	113	pg/g	113	EPA-5 1613B
2,3,4,6,7,8-HxCDF	100	108	pg/g	108	EPA-5 1613B
1,2,3,7,8,9-HxCDF	100	109	pg/g	109	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	100	103	pg/g	103	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	100	103	pg/g	103	EPA-5 1613B
OCDF	200	229	pg/g	114	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1F010420 **Work Order #...:** MJ1P91AC **Matrix.....:** SOLID
LCS Lot-Sample#: G1F060000-118

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	64	(20 - 175)
13C-1,2,3,7,8-PeCDD	65	(21 - 227)
13C-1,2,3,4,7,8-HxCDD	69	(21 - 193)
13C-1,2,3,6,7,8-HxCDD	68	(25 - 163)
13C-1,2,3,4,6,7,8-HpCDD	68	(26 - 166)
13C-OCDD	66	(13 - 199)
13C-2,3,7,8-TCDF	59	(22 - 152)
13C-1,2,3,7,8-PeCDF	65	(21 - 192)
13C-2,3,4,7,8-PeCDF	63	(13 - 328)
13C-1,2,3,6,7,8-HxCDF	65	(21 - 159)
13C-2,3,4,6,7,8-HxCDF	68	(22 - 176)
13C-1,2,3,7,8,9-HxCDF	72	(17 - 205)
13C-1,2,3,4,6,7,8-HpCDF	69	(21 - 158)
13C-1,2,3,4,7,8,9-HpCDF	74	(20 - 186)
13C-1,2,3,4,7,8-HxCDF	67	(19 - 202)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	88	(31 - 191)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, Percent Moisture

TestAmerica Mobile

Client Sample ID: #1-7 Composite (700-58471-8)

General Chemistry

Lot-Sample #...: G1F010420-001 **Work Order #...:** MJW6T **Matrix.....:** SOLID
Date Sampled...: 05/26/11 **Date Received..:** 06/01/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	7.8	0.10	%	ASTM D 2216-90	06/08-06/09/11	1159178

Dilution Factor: 1 Analyst ID.....: 430274 Instrument ID..: NO INST

QC DATA ASSOCIATION SUMMARY

G1F010420

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	EPA-5 1613B		1157118	
	SOLID	ASTM D 2216-90		1159178	1159072

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G1F010420 **Work Order #...:** MJTLG-SMP MJTLG-DUP **Matrix.....:** SOLID

Date Sampled...: 05/19/11 **Date Received..:** 05/26/11

% Moisture.....: 18

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	G1E260484-001	
	18.3	20.9	%	13	(0-20)	ASTM D 2216-90	06/08-06/09/11	1159178

Dilution Factor: 1 Analyst ID.....: 430274 Instrument ID..: NO INST

Serial Number

TestAmerica
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Mobile

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900 Lakeside Drive
Mobile, AL 36693
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Phone: (251) 666-6633
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Alternate Laboratory Name/Location:
Phone:
Fax:

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: SAN JACINTO WASTE PITS	PROJECT NO.	PROJECT LOCATION (STATE): TX
(LAB) PROJECT MANAGER: SUZY LINDBLOM	P. O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: CESAR GARCIA	CLIENT PHONE: 713-425-6923	CLIENT FAX
CLIENT NAME: USA ENVIRONMENT	CLIENT EMAIL: cgarcia@usaenviro.com	
CLIENT ADDRESS: 10137 STEELMAN ST. HOUSTON, TX 77017		
COMPANY CONTRACTING THIS WORK (if applicable)	SAMPLER'S SIGNATURE	

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT...)

REQUIRED ANALYSES

PAGE OF

STANDARD REPORT DELIVERY ○ DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE _____

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
5-26-11	11:15	#1 Clear Plastic	✓		✓				
5-26-11	11:19	#2 Brown Bottle Glass	✓		✓				
5-26-11	11:23	#3 Brown Bottle Glass	✓		✓				
5-26-11	11:29	SEE #4 LIS 16oz jar	✓		✓				
5-26-11	11:31	#5 ANALYTE 16oz jar	✓		✓				
5-26-11	11:35	#6 32oz jar	✓		✓				
5-26-11	11:40	#7 32oz jar	✓		✓				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Ron [illegible]	5-26-11	12:30			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY NCM# 26039

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
[illegible]	5-27-11	7:30	YES ○ NO ○		700 58471	7.8°C #3509

Original - Return to Laboratory with Sample(s)

06/13/2011

ANALYTICAL REPORT

Job Number: 700-58827-1

SDG Number: 700-58827-1

Job Description: Pesticides in Soils

For:
USA Environment,LP
PO BOX 87687
Houston, TX 77287

Attention: Mr. Ed Fendley

Approved for release.
Suzy Lindblom
Project Manager I
6/17/2011 1:38 PM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
06/17/2011

cc: Mr. Cesar Garcia

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

METHOD SUMMARY

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL MOB	SW846 8081B/8082A	
Ultrasonic Extraction	TAL MOB		SW846 3550C
Percent Moisture	TAL MOB	EPA Moisture	

Lab References:

TAL MOB = TestAmerica Mobile

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Method	Analyst	Analyst ID
SW846 8081B/8082A	Tran, Luther	LT
EPA Moisture	Nguyen, Tiffany K	TKN

SAMPLE SUMMARY

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-58827-2	HPP-B/C-6-10-11 Composite	Solid	06/13/2011 1100	06/13/2011 1130

SAMPLE RESULTS

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Client Sample ID: **HPP-B/C-6-10-11 Composite**

Lab Sample ID: 700-58827-2
Client Matrix: Solid
% Moisture: 11.3

Date Sampled: 06/13/2011 1100
Date Received: 06/13/2011 1130

8081B/8082A Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analysis Method:	8081B/8082A	Analysis Batch:	700-101876	Instrument ID:	SGZ
Prep Method:	3550C	Prep Batch:	700-101771	Initial Weight/Volume:	30.0 g
Dilution:	5.0			Final Weight/Volume:	5.0 mL
Analysis Date:	06/15/2011 1738			Injection Volume:	2 uL
Prep Date:	06/15/2011 0923			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.9	U	0.33	1.9
Dieldrin		3.7	U	0.29	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	56		30 - 150
Tetrachloro-m-xylene	88		30 - 150

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

General Chemistry

Client Sample ID: **HPP-B/C-6-10-11 Composite**

Lab Sample ID: 700-58827-2
Client Matrix: Solid

Date Sampled: 06/13/2011 1100
Date Received: 06/13/2011 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-101675	Analysis Date: 06/13/2011 1526						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 700-101675	Analysis Date: 06/13/2011 1526						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Method Blank - Batch: 700-101771

Method: 8081B/8082A
Preparation: 3550C

Lab Sample ID:	MB 700-101771/1-A	Analysis Batch:	700-101876	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101771	Lab File ID:	Z061506.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/15/2011 1604	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/15/2011 0923			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	1.7	U	0.29	1.7
Dieldrin	3.3	U	0.26	3.3

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	30 - 150
Tetrachloro-m-xylene	117	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-101771

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101771/2-A	Analysis Batch:	700-101876	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101771	Lab File ID:	Z061507.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/15/2011 1635	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/15/2011 0923			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 700-101771/3-A	Analysis Batch:	700-101876	Instrument ID:	SGZ
Client Matrix:	Solid	Prep Batch:	700-101771	Lab File ID:	Z061508.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/15/2011 1706	Units:	ug/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	06/15/2011 0923			Injection Volume:	2 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	112	101	25 - 130	11	38		
Dieldrin	66	59	22 - 145	11	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	82	30 - 150
Tetrachloro-m-xylene	107	90	30 - 150

Client: USA Environment,LP

Job Number: 700-58827-1
Sdg Number: 700-58827-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 700-101771

Method: 8081B/8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 700-101771/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 700-101771/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	06/15/2011 1635			Analysis Date:	06/15/2011 1706
Prep Date:	06/15/2011 0923			Prep Date:	06/15/2011 0923
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aldrin	6.67	6.67	7.49	6.70
Dieldrin	6.67	6.67	4.40	3.93

Serial Number

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Alternate Laboratory Name/Location:
Phone:
Fax:

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO. 700	PROJECT LOCATION (STATE)
(LAB) PROJECT MANAGER: SUZY LINDBLOM	P. O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: LESA GARCIA	CLIENT PHONE: 713-425-6923	CLIENT FAX
CLIENT NAME: USA ENVIRONMENT	CLIENT EMAIL: CGARCIA@USAENVIRO.COM	
CLIENT ADDRESS: 10234 LACORE STREET, Houston, TX 77017		
COMPANY CONTRACTING THIS WORK (if applicable)	SAMPLER'S SIGNATURE	

REQUIRED ANALYSES: SEE PREVIOUSLY SUBMITTED ANALYTE LIST

PRESERVATIVE

PAGE ___ OF ___

STANDARD REPORT DELIVERY ○
DATE DUE ___
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ___
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
		HPP - B/C - 6/10/11							
6-10-11	5:30 Pm	Plastic Jar	✓	✓					
6-10-11	5:35 Pm	Brown Jar	✓	✓					
6-10-11	5:43	Brown Jar	✓	✓					
6-10-11	5:50	Small glass jar	✓	✓					
6-10-11	6 Pm	Small glass jar	✓	✓					
6-10-11	6:08 Pm	Lg Glass jar	✓	✓					
6-10-11	6:15 Pm	Lg Glass jar	✓	✓					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	6-10-11	6:20 Pm			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
[signature]	6/11/11	0930	YES ○ NO ○		700-58827	3.8°C #550

Original - Return to Laboratory with Sample(s)

06/17/2011