

**SITE ASSESSMENT REPORT
FOR THE
SHAW ROAD SITE
GREEN SPRINGS, SANDUSKY COUNTY, OHIO**

NPL STATUS: NON-NPL

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Response Branch
Region V
25089 Center Ridge Road
Westlake, OH 44145

Prepared by:

WESTON SOLUTIONS, INC.
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START Project Manager:	TJ McFarland
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U.S. EPA On-Scene Coordinator:	Stephen Wolfe

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Prepared by: Dustin Bates Date: 9/27/2012
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START Project Manager

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ABBREVIATIONS AND ACRONYMS

CFR	<i>Code of Federal Regulations</i>
EM	Electromagnetic
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
OSC	On-scene Coordinator
PCB	Polychlorinated biphenyl
RSL	Regional Screening Level
START	Superfund Technical Assessment and Response Team
SVOC	Semivolatile organic compound
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leaching Procedure
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile organic compound
WESTON	Weston Solutions, Inc.

1. INTRODUCTION

The United States Environmental Protection Agency (U.S. EPA) Region 5 Emergency Response Branch tasked the Weston Solutions, Inc. (WESTON[®]), Superfund Technical Assessment and Response Team (START) to assist with a site assessment at the Shaw Road Site in Green Springs, Sandusky County, Ohio (the Site) (**Figure 1**). Specifically, under Technical Direction Document No. S05-0001-1111-033, WESTON START was tasked to perform the following activities:

- Document Site conditions
- Characterize the Site using an electromagnetic (EM) geophysical survey
- Collect surface soil samples from the Site

On June 13, 2012, WESTON START personnel mobilized to the Site and conducted site assessment tasks under the direction of On-Scene Coordinator (OSC) Joseph Fredle.

This site assessment report is organized into the following sections:

- **Section 1, Introduction** – Briefly describes the objectives of the site assessment and the site assessment report organization
- **Section 2, Site Background** – Details the Site description and history
- **Section 3, Site Assessment Activities** – Discusses methods used and activities conducted during the site assessment
- **Section 4, Site Assessment Results** – Discusses geophysical survey results and analytical results for samples collected during the site assessment
- **Section 5, Summary** – Summarizes the site assessment findings

2. SITE BACKGROUND

This section discusses the Site description and history.

2.1 SITE DESCRIPTION

The Site encompasses two residential properties located at [REDACTED] County Road 181 in Green Springs, Ohio (**Figure 2**). The Site's approximate geographical coordinates are [REDACTED] North latitude and [REDACTED] West longitude (**Figure 1**). According to the Sandusky County I:\WO\START3\1691\448247RPT.DOCX

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Auditor's Tax Map, the Site's footprint encompasses approximately [REDACTED] acres. The Site is surrounded by private residences, farmland, and forested area in a rural area approximately 3 miles southwest of downtown Clyde. The site assessment investigation areas include (1) an open area immediately east of the barn on the eastern edge of the Site located at [REDACTED] County Road 181 and (2) the northern, wooded edge of an open field on the northern portion of the Site located at [REDACTED] County Road 181 (**Figure 2**).

2.2 SITE HISTORY

Originally, 14 Sites were selected for investigation in an area of Sandusky County surrounding the city of Clyde, Ohio. These Sites were identified in a previous study entitled "Childhood Cancer among Residents of Eastern Sandusky County" (October 30, 2009) conducted by the Ohio Environmental Protection Agency and the Ohio Department of Health as candidate Sites for further investigation.

Coinciding with the initial investigation of the 14 Sites identified by the Ohio Environmental Protection Agency and the Ohio Department of Health, U.S. EPA established a telephone hotline to allow individuals in the local community the opportunity to inform U.S. EPA of additional potential dump sites in the area. U.S. EPA received approximately 90 calls to the hotline regarding potential dump sites. Sufficient information was acquired to perform a removal site assessment on this property.

3. SITE ASSESSMENT ACTIVITIES

The site assessment tasks were designed to document the potential for imminent and substantial threats to the public health or welfare of the United States or the environment based on guidance in the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), Title 40 of the *Code of Federal Regulations* (CFR), Part 300.415(b)(2). **Appendix A** provides photographic documentation of the site assessment activities and Site conditions.

On June 13, 2012, the U.S. EPA OSC and the WESTON START team mobilized to the Site to begin field work. THG Geophysics, Ltd., conducted EM geophysical survey activities at the Site. Survey activities included use of the quadrature and in-phase components of the EM field

to generate images of both terrain conductivity and metals. At the property located at [REDACTED] County Road 181, 15 deteriorated, empty drums were observed on the ground surface just inside the tree line along the northern, wooded edge of the open field and 3 deteriorated, empty drums were observed on the ground surface just outside the tree line near a series of stacked pallets. No drums were observed at [REDACTED] County Road 181. **Appendix B** provides the geophysical survey report.

The U.S. EPA OSC and WESTON START members conducted surface soil sampling at the Site. The sampling locations were chosen based on the presence of deteriorated, empty drums at the ground surface. Vegetative cover was removed and discarded along with the top 1 to 2 inches of soil at each sampling location. Two surface soil samples from the top 4 inches of soil were collected from each of two areas where drums were observed at [REDACTED] County Road 181 (**Figure 3**), for a total of four surface soil samples (SR-SS01 through SR-SS04). No evidence of drums was observed at [REDACTED] County Road 181 and no samples were collected from this area.

The samples were collected using disposable high-density polyethylene scoops. The sampled material was placed into a re-sealable bag, homogenized, and transferred to laboratory-provided sample containers. Surface soil samples were stored in a cooler on ice for delivery to the designated laboratory. The samples were analyzed for total volatile organic compounds (VOC); total semivolatile organic compounds (SVOC); Target Analyte List (TAL) metals plus boron and hexavalent chromium; total pesticides and herbicides; polychlorinated biphenyls (PCB); Toxicity Characteristic Leaching Procedure (TCLP) VOCs, SVOCs, pesticides, and herbicides; and TCLP metals.

4. SITE ASSESSMENT RESULTS

The geophysical survey and subsurface soil sample analytical results are discussed below.

4.1 GEOPHYSICAL SURVEY RESULTS

Figures 3 and 4 show the geophysical survey results for [REDACTED] County Road 181, respectively. Appendix B provides the geophysical survey report. The geophysical survey conducted on the property located at [REDACTED] County Road 181 indicated that the conductivity and

metals readings are slightly elevated in several areas due to the presence of surface debris, including old drums. The geophysical survey also indicated the presence of low-terrain conductivity but no metal waste in the subsurface in the southeastern portion of the property.

The geophysical survey conducted on the property located at [REDACTED] County Road 181 found no terrain conductivity indicating waste placement and no metal waste in the subsurface of the property.

4.2 SURFACE SOIL SAMPLE ANALYTICAL RESULTS

All surface soil samples collected from the Site consisted of loose sand and topsoil extending to at least 4 inches below ground surface. The ALS Environmental laboratory of Holland, Michigan, analyzed the samples for total VOCs; total SVOCs; TAL metals plus boron and hexavalent chromium; total pesticides and herbicides; PCBs; TCLP VOCs, SVOCs, pesticides, and herbicides; and TCLP metals.

The analytical results were compared to the (1) U.S. EPA Regional Screening Levels (RSL) for residential properties; (2) U.S. Geological Survey average concentration of arsenic in Sandusky County, Ohio; or (3) U.S. EPA Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24). Each sample result that exceeded the applicable screening criterion is listed below, followed by the screening criterion listed in parentheses. **Figure 5** lists the analytical results exceeding the screening criteria. **Table 1** summarizes the full analytical results for each sample and provides the complete list of analytes. **Appendix C** provides the analytical data validation report.

SR-SS01-061312

Total SVOCs: Benzo(a)pyrene = 0.083 milligrams per kilogram (mg/kg) (0.015 mg/kg)
Benzo(b)fluoranthene = 0.20 mg/kg (0.15 mg/kg)
TAL Metals: Iron = 88,000 mg/kg (55,000 mg/kg)

SR-SS02-061312

No result exceeded any screening criterion.

SR-SS03-061312

TAL Metals: Lead = 930 mg/kg (400 mg/kg)

SR-SS04-061312

TAL Metals: Antimony = 65 mg/kg (31 mg/kg)
Hexavalent chromium = 61 mg/kg (0.29 mg/kg)
Lead = 4,700 mg/kg (400 mg/kg)

TCLP Metals: Lead, TCLP = 7.8 milligrams per liter (mg/L) (5 mg/L)

5. SUMMARY

The U.S. EPA established a telephone hotline to allow the local community to inform the U.S. EPA of additional potential dump sites in the Site area. One caller indicated that drums were buried behind the residence located at [REDACTED] County Road 181 and buried next to a barn located at [REDACTED] County Road 181 in Green Springs, Ohio. Sufficient information was acquired to perform a site assessment at the subject Site.

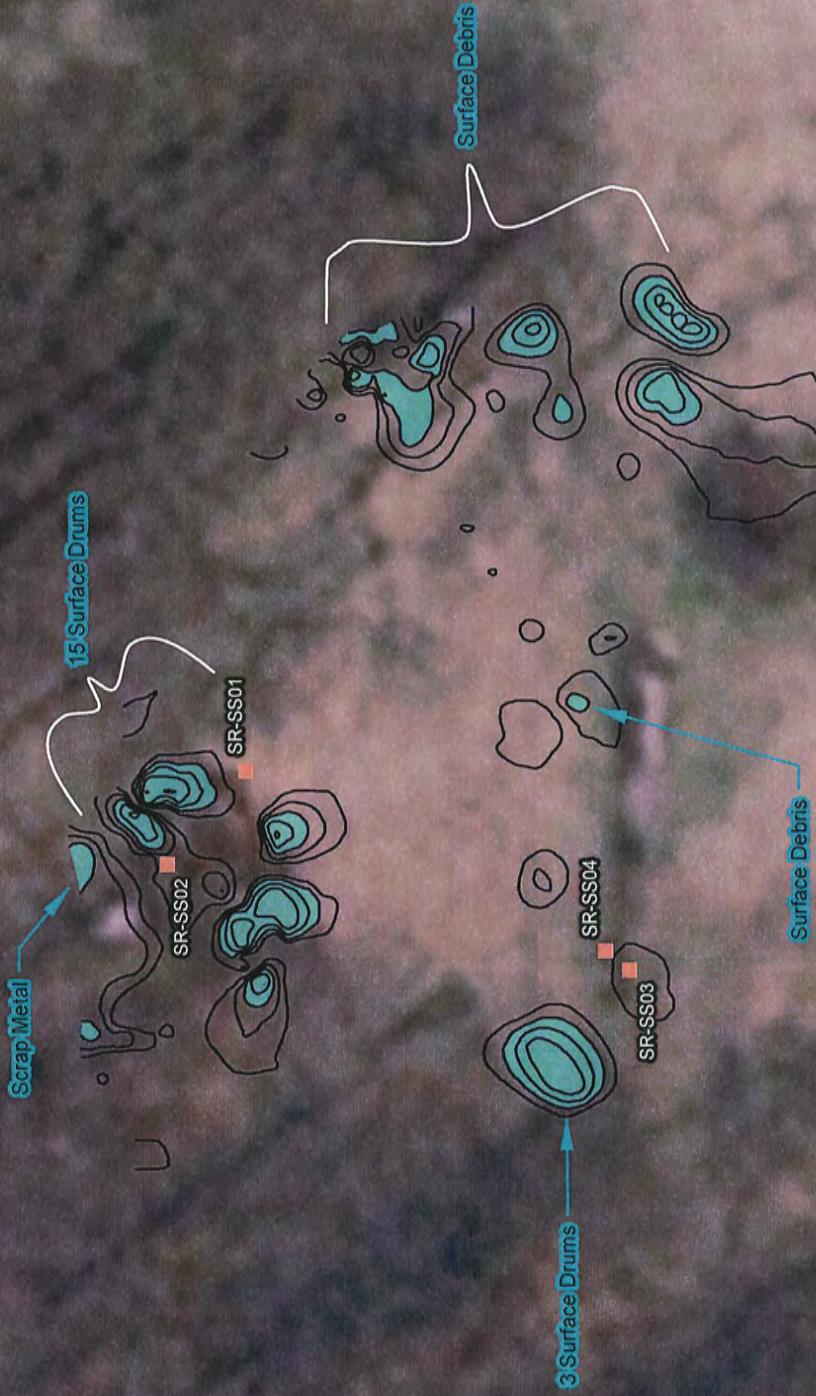
During the site assessment, geophysical surveys were conducted at the two properties, and survey results indicated no evidence of buried drums. Deteriorated drums were located at the surface behind the residence at [REDACTED] County Road 181 at two locations. Four surface soil samples were collected from two areas around the drums. Analytical results indicated low concentrations of SVOCs in one sample exceeding the U.S. EPA RSLs for residential properties. However, the compounds detected typically are associated with incomplete burning activities. Iron, lead, antimony, and hexavalent chromium were detected in three surface soil samples at concentrations exceeding the U.S. EPA RSLs for residential properties. In addition, the TCLP lead result for one sample indicated that the soil would be classified as a hazardous waste.

FIGURES

Map intentionally redacted from report

Map intentionally redacted from report

Imagery Source: ESRI World Imagery



Legend

- Metallic Anomalies
- EM In-phase Contours
- Surface Soil Sampling Locations

N
25 Feet



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Sampling Locations and EM Survey
Shaw Road Site
Green Springs, Sandusky County, Ohio

Figure 3



Path: C:\Users\glenng\GIS\Projects\1691_Sandusky_Dumps.mxd\Report 2_08151244826 Shaw_F4.mxd, 8/24/2012 11:06:22 AM, greenr

Legend	<ul style="list-style-type: none">— EM In-phase Contours— Conductivity Contours— Site Boundary	 Prepared For: U.S. EPA REGION V Contract No.: EP-S5-06-04 TDD: S05-0001-1111-033 DCN: 1691-2A-BAGO	 Prepared By: WESTON SOLUTIONS 6779 Engle Road Suite I Middleburg Heights, Ohio 44130	Figure 4 Sampling Locations and EM Survey Shaw Road Site Green Springs, Sandusky County, Ohio
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Imagery Souce: ESRI Bing Maps

Screening Criteria:
Soil : Residential RSLs and
U.S. Geological Survey, Ohio Arsenic Background
TCLP : 40CFR261.24



Path: C:\Users\greenberg\GISProjects\1691_Sandusky_Dumps\mixedReport 2_081512144826 Shaw_F5.mxd, 9/21/2012 3:35:38 PM, generated by ArcGIS

Legend

- Surface Soil Sampling Locations with No Exceedances
- Surface Soil Sampling Locations with Exceedances
- Surface Soil Depth
- Units = Inches bgs



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Figure 5
Surface Soil Analytical Results
Exceeding Screening Criteria
Shaw Road Site
Green Springs, Sandusky County, Ohio

TABLES

TABLE 1
SURFACE SOIL ANALYTICAL RESULTS
SHAW ROAD SITE
GREEN SPRINGS, SANDUSKY, OHIO

Analytical Method	Analytical Parameter	Location ID	SR-SS01	SR-SS02	SR-SS03	SR-SS04	
		Field Sample ID	SR-SS01-061312	SR-SS02-061312	SR-SS03-061312	SR-SS04-061312	
		Sampling Date	6/13/2012	6/13/2012	6/13/2012	6/13/2012	
		Unit	Screening Criterion	Result			
VOCs ¹							
SW8260	1,1,2,2-Tetrachloroethane	mg/kg	0.56	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,1,2-Trichloroethane	mg/kg	1.1	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,1,2-Trichlorotrifluoroethane	mg/kg	43000	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,1,1-Trichloroethane	mg/kg	8700	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,1-Dichloroethane	mg/kg	3.3	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,1-Dichloroethene	mg/kg	240	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,2,4-Trichlorobenzene	mg/kg	22	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,2-Dibromo-3-chloropropane	mg/kg	0.0054	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,2-Dibromoethane	mg/kg	0.034	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,2-Dichlorobenzene	mg/kg	1900	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,2-Dichloroethane	mg/kg	0.43	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,2-Dichloropropane	mg/kg	0.94	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,3-Dichlorobenzene	mg/kg	NA	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	1,4-Dichlorobenzene	mg/kg	2.4	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	2-Butanone	mg/kg	28000	0.30 U	0.27 U	0.31 U	0.27 U
SW8260	2-Hexanone	mg/kg	210	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	4-Methyl-2-pentanone	mg/kg	5300	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Acetone	mg/kg	61000	0.33 U	0.15 U	0.18 U	0.18 U
SW8260	Benzene	mg/kg	1.1	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Bromodichloromethane	mg/kg	0.27	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Bromoform	mg/kg	62	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Bromomethane	mg/kg	7.3	0.11 U	0.10 U	0.12 U	0.10 U
SW8260	Carbon disulfide	mg/kg	820	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Carbon tetrachloride	mg/kg	0.61	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Chlorobenzene	mg/kg	290	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Chloroethane	mg/kg	15000	0.15 U	0.14 U	0.16 U	0.14 U
SW8260	Chloroform	mg/kg	0.29	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Chloromethane	mg/kg	120	0.15 U	0.14 U	0.16 U	0.14 U
SW8260	cis-1,2-Dichloroethene	mg/kg	160	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	cis-1,3-Dichloropropene	mg/kg	NA	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Cyclohexane	mg/kg	7000	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Dibromochloromethane	mg/kg	0.68	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Dichlorodifluoromethane	mg/kg	94	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Ethylbenzene	mg/kg	5.4	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Isopropylbenzene	mg/kg	2100	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Methyl acetate	mg/kg	78000	0.7 U	0.55 U	0.62 U	0.55 U
SW8260	Methyl tert-butyl ether	mg/kg	43	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Methylcyclohexane	mg/kg	NA	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Methylene chloride	mg/kg	11	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Styrene	mg/kg	6300	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Tetrachloroethene	mg/kg	0.55	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Toluene	mg/kg	5000	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	trans-1,2-Dichloroethene	mg/kg	150	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	trans-1,3-Dichloropropene	mg/kg	NA	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Trichloroethene	mg/kg	0.91	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Trichlorofluoromethane	mg/kg	790	0.045 UJ	0.041 U	0.047 U	0.041 U
SW8260	Vinyl chloride	mg/kg	0.06	0.045 U	0.041 U	0.047 U	0.041 U
SW8260	Xylenes, Total	mg/kg	630	0.14 U	0.12 U	0.14 U	0.12 U
SVOCs ¹							
SW8270	1,1-Biphenyl	mg/kg	51	0.38 U	0.36 U	0.34 U	0.35 U
SW8270	2,4,5-Trichlorophenol	mg/kg	6100	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	2,4,6-Trichlorophenol	mg/kg	44	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	2,4-Dichlorophenol	mg/kg	180	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	2,4-Dimethylphenol	mg/kg	1200	0.38 U	0.36 U	0.34 U	0.35 U
SW8270	2,4-Dinitrophenol	mg/kg	120	0.75 U	0.72 U	0.69 U	0.71 U
SW8270	2,4-Dinitrotoluene	mg/kg	1.6	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	2,6-Dinitrotoluene	mg/kg	61	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	2-Chloronaphthalene	mg/kg	6300	0.091 U	0.087 U	0.083 U	0.085 U
SW8270	2-Chlorophenol	mg/kg	390	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	2-Methylnaphthalene	mg/kg	310	0.091 U	0.087 U	0.083 U	0.085 U
SW8270	2-Nitroaniline	mg/kg	610	0.75 U	0.72 U	0.69 U	0.71 U
SW8270	2-Nitrophenol	mg/kg	NA	0.18 U	0.17 U	0.17 U	0.17 U
SW8270	3,3-Dichlorobenzidine	mg/kg	1.1	0.75 U	0.72 U	0.69 U	0.71 U

TABLE 1
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SHAW ROAD SITE
GREEN SPRINGS, SANDUSKY, OHIO

Analytical Method	Analytical Parameter	Location ID	SR-SS01	SR-SS02	SR-SS03	SR-SS04
		Field Sample ID	SR-SS01-061312	SR-SS02-061312	SR-SS03-061312	SR-SS04-061312
		Sampling Date	6/13/2012	6/13/2012	6/13/2012	6/13/2012
Unit	Screening Criterion			Result		
mg/kg	NA	0.75 U	0.72 U	0.69 U	0.71 U	
mg/kg	4.9	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	NA	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	6100	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	2.4	0.75 U	0.72 U	0.69 U	0.71 U	
mg/kg	NA	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	24	0.75 U	0.72 U	0.69 U	9.71 U	
mg/kg	NA	0.75 U	0.72 U	0.69 U	0.71 U	
mg/kg	3400	0.034 U	0.033 U	0.031 U	0.032 U	
mg/kg	NA	0.043	0.033 U	0.031 U	0.032 U	
mg/kg	7800	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	17000	0.034 U	0.033 U	0.031 U	0.037 U	
mg/kg	2.1	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	7800	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	0.15	0.034	0.033 U	0.033	0.052	
mg/kg	0.015	0.083	0.033 U	0.16 U	0.16 U	
mg/kg	0.15	0.20	0.033 U	0.16 U	0.16 U	
mg/kg	NA	0.044	0.033 U	0.16 U	0.16 U	
mg/kg	1.5	0.15	0.033 U	0.16 U	0.16 U	
mg/kg	180	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	0.21	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	4.6	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	35	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	260	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	31000	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	NA	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	15	0.22	0.033 U	0.049	0.075	
mg/kg	0.015	0.034 U	0.033 U	0.16 U	0.16 U	
mg/kg	78	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	49000	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	NA	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	6100	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	NA	0.18 U	0.17 U	0.83 U	0.85 U	
mg/kg	2300	0.51	0.033 U	0.057	0.13	
mg/kg	2300	0.034 U	0.033 U	0.031 U	0.032 U	
mg/kg	6.2	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	NA	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	370	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	12	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	0.15	0.052 U	0.033 U	0.16 U	0.16 U	
mg/kg	510	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	3.6	0.034 U	0.033 U	0.031 U	0.032 U	
mg/kg	4.8	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	0.069	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	99	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	3100	0.10 U	0.10 U	0.10 U	0.10 U	
mg/kg	310	0.10 U	0.10 U	0.10 U	0.10 U	
mg/kg	0.89	0.38 U	0.36 U	0.34 U	0.35 U	
mg/kg	NA	0.56	0.033 U	0.039	0.16	
mg/kg	18000	0.18 U	0.17 U	0.17 U	0.17 U	
mg/kg	1700	0.34	0.033 U	0.056	0.11	
TAL Metals ¹						
SW6020A	Aluminum	mg/kg	77000	4900	6800	5300
SW6020A	Antimony	mg/kg	31	4.0 UJ	4.2 U	11
SW6020A	Arsenic	mg/kg	13.197 ²	11 J	4.2 U	3.8 U
SW6020A	Barium	mg/kg	15000	280	30	140
SW6020A	Beryllium	mg/kg	160	1.6 U	1.7 U	1.5 U
SW6020A	Boron	mg/kg	16000	16 UJ	17 U	15 U
SW6020A	Cadmium	mg/kg	70	2.4	1.7 U	4.5
SW6020A	Calcium	mg/kg	NA	7100	510	1200
SW6020A	Chromium	mg/kg	NA	24 J	5.4	78
SW6020A	Cobalt	mg/kg	23	10 J	2.5	6.0
SW6020A	Copper	mg/kg	3100	50	4.1	16
SW7196A	Chromium, Hexavalent	mg/kg	0.29	0.57 UJ	0.55 U	0.53 U
						61

TABLE 1
SURFACE SOIL ANALYTICAL RESULTS
SHAW ROAD SITE
GREEN SPRINGS, SANDUSKY, OHIO

Analytical Method	Analytical Parameter	Location ID		SR-SS01	SR-SS02	SR-SS03	SR-SS04
		Field Sample ID		SR-SS01-061312	SR-SS02-061312	SR-SS03-061312	SR-SS04-061312
		Sampling Date		6/13/2012	6/13/2012	6/13/2012	6/13/2012
		Unit	Screening Criterion	Result			
SW6020A	Iron	mg/kg	55000	88000	7200	15000	9300
SW6020A	Lead	mg/kg	400	100	11	930	4700
SW6020A	Magnesium	mg/kg	NA	1800 J	770	870	820
SW6020A	Manganese	mg/kg	1800	520	190	300	200
SW7471	Mercury	mg/kg	10	0.043	0.03	0.039	0.029
SW6020A	Nickel	mg/kg	1500	34	5.9	16	7.5
SW6020A	Potassium	mg/kg	NA	320 J	290	290	350
SW6020A	Selenium	mg/kg	390	0.79 UJ	0.84 U	1.1	1.7
SW6020A	Silver	mg/kg	390	0.79 UJ	0.84 U	0.76 U	0.83 U
SW6020A	Sodium	mg/kg	NA	160 U	170 U	150 U	170 U
SW6020A	Thallium	mg/kg	0.78	0.79 UJ	0.84 U	0.76 U	0.83 U
SW6020A	Vanadium	mg/kg	NA	7.9 J	9.1	6.8	11
SW6020A	Zinc	mg/kg	23000	630	38	240	1900
Pesticides and Herbicides¹							
SW8151	2,4,5-T	mg/kg	610	0.0057 U	0.0055 U	0.0052 U	0.0054 U
SW8151	2,4,5-TP (Silvex)	mg/kg	490	0.011 U	0.011 U	0.010 U	0.011 U
SW8151	2,4-D	mg/kg	690	0.0057 U	0.0055 U	0.0052 U	0.0054 U
SW8081	4,4-DDD	mg/kg	2	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	4,4-DDE	mg/kg	1.4	0.22 U	0.21 U	0.21 U	0.029
SW8081	4,4-DDT	mg/kg	1.7	0.22 U	0.21 U	0.21 U	0.029
SW8081	Aldrin	mg/kg	0.029	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	alpha-BHC	mg/kg	0.077	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	alpha-Chlordane	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	beta-BHC	mg/kg	0.27	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Chlordane, Technical	mg/kg	NA	0.55 U	0.53 U	0.53 U	0.53 U
SW8081	delta-BHC	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Dieldrin	mg/kg	0.03	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Endosulfan I	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Endosulfan II	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Endosulfan sulfate	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Endrin	mg/kg	18	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Endrin aldehyde	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Endrin ketone	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	gamma-BHC (Lindane)	mg/kg	0.52	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	gamma-Chlordane	mg/kg	NA	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Heptachlor	mg/kg	0.11	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Heptachlor epoxide	mg/kg	0.053	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Methoxychlor	mg/kg	310	0.22 U	0.21 U	0.21 U	0.21 U
SW8081	Toxaphene	mg/kg	0.44	1.3 U	0.13 U	0.13 U	0.12 U
PCBs¹							
SW8082	Aroclor 1016	mg/kg	3.9	0.044 U	0.042 U	0.042 U	0.041 U
SW8082	Aroclor 1221	mg/kg	0.14	0.044 U	0.042 U	0.042 U	0.041 U
SW8082	Aroclor 1232	mg/kg	0.14	0.044 U	0.042 U	0.042 U	0.041 U
SW8082	Aroclor 1242	mg/kg	0.22	0.044 U	0.042 U	0.042 U	0.041 U
SW8082	Aroclor 1248	mg/kg	0.22	0.044 U	0.042 U	0.042 U	0.041 U
SW8082	Aroclor 1254	mg/kg	0.22	0.044 U	0.042 U	0.16	0.057
SW8082	Aroclor 1260	mg/kg	0.22	0.044 U	0.042 U	0.042 U	0.041 U
TCLP VOCs, SVOCs, Pesticides, and Herbicides³							
SW8260	1,1-Dichloroethene, TCLP	mg/L	0.7	0.020 U	0.020 U	0.020 U	0.020 U
SW8260	1,2-Dichloroethane, TCLP	mg/L	0.5	0.020 U	0.020 U	0.020 U	0.020 U
SW8270	1,4-Dichlorobenzene, TCLP	mg/L	7.5	0.10 U	0.10 U	0.10 U	0.10 U
SW8270	2,4,6-Trichlorophenol, TCLP	mg/L	2	0.10 U	0.10 U	0.10 U	0.10 U
SW8270	2,4,5-Trichlorophenol, TCLP	mg/L	400	0.10 U	0.10 U	0.10 U	0.10 U
SW8151	2,4,5-TP (Silvex), TCLP	mg/L	1	0.0050 U	0.0050 U	0.0050 U	0.0050 U
SW8151	2,4-D, TCLP	mg/L	10	0.0050 U	0.0050 U	0.0050 U	0.0050 U
SW8270	2,4-Dinitrotoluene, TCLP	mg/L	0.13	0.010 U	0.010 U	0.010 U	0.010 U
SW8260	2-Butanone, TCLP	mg/L	200	0.20 U	0.20 U	0.20 U	0.20 U
SW8260	Benzene, TCLP	mg/L	0.5	0.020 U	0.020 U	0.020 U	0.020 U
SW8260	Carbon tetrachloride, TCLP	mg/L	0.5	0.020 U	0.020 U	0.020 U	0.020 U
SW8081	Chlordane, Technical, TCLP	mg/L	0.03	0.0050 U	0.0050 U	0.0050 U	0.0050 U
SW8260	Chlorobenzene, TCLP	mg/L	100	0.020 U	0.020 U	0.020 U	0.020 U
SW8260	Chloroform, TCLP	mg/L	6	0.020 U	0.020 U	0.020 U	0.020 U
SW8081	Endrin, TCLP	mg/L	0.02	0.00050 U	0.00050 U	0.00050 U	0.00050 U
SW8081	gamma-BHC (Lindane), TCLP	mg/L	0.4	0.00025 U	0.00025 U	0.00025 U	0.00025 U

TABLE 1
SURFACE SOIL ANALYTICAL RESULTS
SHAW ROAD SITE
GREEN SPRINGS, SANDUSKY, OHIO

Analytical Method	Analytical Parameter	Location ID	SR-SS01	SR-SS02	SR-SS03	SR-SS04
		Field Sample ID	SR-SS01-061312	SR-SS02-061312	SR-SS03-061312	SR-SS04-061312
		Sampling Date	6/13/2012	6/13/2012	6/13/2012	6/13/2012
Unit	Screening Criterion			Result		
mg/L	0.008	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
mg/L	0.5	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	200	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	10	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
mg/L	2	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	200	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	200	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
mg/L	100	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
mg/L	5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
mg/L	0.7	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
mg/L	0.5	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
mg/L	0.5	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
mg/L	0.2	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
TCLP Metals ³						
mg/L	5	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
mg/L	100	1.5	0.26	1.2	1.4	
mg/L	1	0.025	0.0025	0.039	0.15	
mg/L	5	0.020 U	0.020 U	0.049	0.69	
mg/L	5	0.021	0.010 U	0.51	7.8	
mg/L	0.2	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
mg/L	1	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
mg/L	5	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U

Notes:

Bold results exceed laboratory reporting limits.

Bold and highlighted results exceed the screening criteria.

bgs = Below ground surface

CFR = *Code of Federal Regulations*

ID = Identification

J = Estimated due to potential matrix interference

mg/kg = Milligram per kilogram

mg/L = Milligram per liter

NA = Not available

PCB = Polychlorinated biphenyl

RSL = Regional Screening Level

SVOC = Semivolatile organic compound

TAL = Target Analyte List

TCLP – Toxicity Characteristic Leaching Procedure

U = Not detected at indicated method detection limit

UJ = Estimated due to potential matrix interference

U.S. EPA = United States Environmental Protection Agency

1 Screening criteria are U.S. EPA RSLs (formerly preliminary remediation goals) listed in Residential Soil Table dated November 2011.

2 Screening criterion is U.S. Geological Survey average concentration of arsenic in Sandusky County, Ohio.

3 Screening criteria are from 40 CFR 261.24, Table 1 – Maximum Concentration of Contaminants for the Toxicity Characteristic.

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION



Site: Shaw Road

Photograph No.: 1

Direction: East

Subject: Suspected area of possibly buried drums at [REDACTED] County Road 181

Date: 6/13/12

Photographer: TJ McFarland



Site: Shaw Road

Photograph No.: 2

Direction: North

Subject: Abandoned drums in wooded area at [REDACTED] County Road 181

Date: 6/13/12

Photographer: TJ McFarland



Site: Shaw Road

Photograph No.: 3

Direction: Northwest

Subject: Abandoned drums in wooded area at [REDACTED] County Road 181

Date: 6/13/12

Photographer: TJ McFarland



Site: Shaw Road

Photograph No.: 4

Direction: North

Subject: Palettes and abandoned drums in open area at [REDACTED] County Road 181

Date: 6/13/12

Photographer: TJ McFarland

APPENDIX B
GEOPHYSICAL SURVEY REPORT AND FIGURES

THG GEOPHYSICS

GEOPHYSICAL INVESTIGATION Eastern Sandusky County Dumps SA Shaw Road Site Green Springs, Sandusky County, Ohio

Prepared for:

Weston Solutions, Inc.
600 E. Lakeshore Drive, Suite 200
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June 14, 2012

Prepared by:

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THG Project No. 770-4980a

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6. Inphase (metals) Map Shaw Road Site - [REDACTED] County Road 181 Property
7. Terrain Conductivity Map Shaw Road Site - [REDACTED] County Road 181 Property
8. Inphase (Metals) Map Shaw Road Site - [REDACTED] County Road 181 Property

1.0 INTRODUCTION

1.1 BACKGROUND

Weston Solutions, Inc. contracted with THG Geophysics, Ltd. (THG) to image 3 alleged waste disposal areas in and around Clyde, Ohio. The work scope of this geophysical investigation is to determine the presence of buried drums and waste.

Approximately 17 waste disposal sites had been identified by the EPA for further investigation. A previous investigation by THG imaged 11 of these sites (February 22, 2012). This report addresses the 3 additional sites. The sites imaged include the Shaw Road Site Properties (Figures 2, 5, 6, 7, and 8).

1.2 WORK SCOPE

The work scope consisted of imaging the subsurface of 3 alleged former waste placement sites using electromagnetic terrain conductivity (EM) mapping techniques. The Geonics EM-31 frequency-domain electromagnetic terrain conductivity meter (EM) was deployed to image to a depth of 21 feet below grade at 10 of the sites. The EM meter was integrated with a DGPS system (Trimble ProXR).

2.0 GEOPHYSICAL SURVEY

2.1 INTRODUCTION

Electromagnetic terrain conductivity (EM) surveys have been employed for landfill investigations for over 30 years (McNeill 1980). Advantages of an electromagnetic terrain conductivity survey include:

1. Excellent resolution in conductivity;
2. No current injection problems;
3. Simple multi-layered earth calculations;
4. Easy, rapid measurements.

Disadvantages of EM for exploratory investigations are few but include:

1. Limited dynamic range;
2. Setting and maintaining the instrument zero;
3. Limited vertical sounding capability.

EM surveys are principally used for landfill boundary detection (Mack and Maus, 1986; McQuown et al., 1991; Rumbaugh et al., 1987; Scaife, 1990; Stenson, 1988). McNeill (1990) contends that "...EM measurements will also undoubtedly be used to assist in locating new sanitary landfills..." (p.209).

2.2 THEORY

The terrain conductivity meter is used for the measurement of the electrical conductivity of subsurface soil, rock and ground water. The electrical conductivity (or its inverse, resistivity) is a function of the porosity, permeability and the fluids in the pore spaces (McNeill, 1980). In the landfill setting, the pore fluids dominate the measurement and thus the EM is an excellent tool for delineating buried waste, trench boundaries, drums and other metallic objects. The absolute values of conductivity obtained in a survey are not necessarily diagnostic but the variations in conductivity can be used to identify anomalies (Benson et al., 1988).

The EM method is further useful when integrated with a Global Positioning Unit (Trimble ProXRS) that provide for continuous measurement of the field position and terrain conductivity, thus increasing the survey size and scope while reducing costs over conventional soundings.

The EM tool consists of a transmitter coil that radiates an electromagnetic field. The electromagnetic field induces eddy currents in the earth that generate a secondary electromagnetic field proportional to the magnitude of the current flowing within the coil. Quadrature and in-phase components of the secondary magnetic field are captured by the receiver in the form of an output voltage that is linearly related to subsurface conductivity (McQuown et al., 1991). The quadrature phase component (terrain conductivity) is measured in millSiemens/meter (mS/m) and provides a measurement of soil conductivity. The in-phase mode, measured in parts per thousand (ppt), is responsive to highly conductive, buried metallic objects (Geonics Limited, 1994).

The terrain conductivity value is an average conductivity of the effective depth of the survey tool. The effective depth is determined to be about 1.5 times the intercoil spacing (i.e., the distance between the receiving and the transmitting coils). The Geonics EM31-DL terrain conductivity meter, with an intercoil spacing of 13 feet, has an effective penetration depth of 21 feet in the vertical dipole mode (Geonics Limited, 1994). The tool measures the bulk conductivity of the entire skin depth specified by the intercoil spacing (21 feet for the EM31-DL). Consequently, the tool averages the response determined through the skin depth such that the response at a depth of 9 feet for the EM31-DL gives maximum contribution to the secondary magnetic field but that at 21 feet there is still a contribution to the bulk conductivity (McNeill, 1980). Near-surface material has a very small contribution to the secondary magnetic field and the orientation of the dipoles in a vertical coplanar fashion is insensitive to near-surface changes in conductivity.

Conductivity values of clayey-sandy soil typical of those found in the Clyde area are approximately 20 mS/m (Benson et al. 1988; McNeill 1980; Schutts and Nichols 1991). Fill materials have been observed to have a terrain conductivity of greater than 30 mS/m (McQuown et al., 1991; Hutchinson and Barta, 2000; Hutchinson and Barta, 2005, Hutchinson, 2006). Older or recalcitrant waste (construction and demolition debris, for example) tend to have low terrain conductivity values.

2.3 TOPOGRAPHIC NORMALIZATION

Topographic normalization of the terrain conductivity readings was determined to be unnecessary due to low topographic expression. This type of adjustment is not necessary for this type of survey.

2.4 QUALITY ASSURANCE AND QUALITY CONTROL

The interpretation of geophysically-generated data is not an exact science since the responses to induced disturbance is affected by many phenomena including buried metals, operator error, precipitation, and net changes in ground saturation conditions. Some sources of spurious data can be overcome through a QA/QC program and use of multiple geophysical methods. The quality control program employed with this study included frequent checks of the equipment and resurveys of lines and locations. The QA/QC program indicates that all geophysical equipment functioned as designed during the survey program.

3.0 GEOPHYSICAL INTERPRETATION

3.1 INTRODUCTION

EM data represent a response to the electrical conductivity of the skin depth of the tool. Several methodologies exist for presenting EM data including surface mapping and section profiling. Field data acquired for the survey were used to develop a terrain conductivity map for these areas (Figures 5 through 8). Background soil terrain conductivity was measured to be approximately 20 mS/m in the Clyde, Ohio area. The survey areas consisted of a variety of surface features and conditions. Each site will be described in subsequent sections.

The percolation of rainwater through organic waste and the degradation of organic material generate soluble and insoluble ions. These ions provide the elevated terrain conductivity to the leachate and waste (Figures 5 and 7). The in-phase terrain conductivity map is sensitive to ferrous and non-ferrous metals (Figures 6 and 8).

The interpretation of the presence of leachate (electrically conductive fluids) is also consistent with landfill footprints. Algorithms based upon published work (Hutchinson and Barta, 2000; Hutchinson, 2005) help with the determination of the presence of waste.

3.3 SHAW ROAD SITE – [REDACTED] COUNTY ROAD 181 PROPERTY

The [REDACTED] County Road 181 property consists of the areas east of the onsite buildings (Figure 5). The site consists of a parking and grass covered area and includes 0.1 acres. The area did not have terrain conductivities indicative of waste placement (Figure 5). The inphase map does not show the presence of metal waste (Figure 6).

3.4 SHAW ROAD SITE – [REDACTED] COUNTY ROAD 181 PROPERTY

The [REDACTED] Property consists of light to dense forest and thin to thick underbrush with surface debris (Figure 7). Allegedly, this 1-acre site was used for waste disposal activities. The site may have been developed through waste burn methods. The potential disposal area located in the southeastern portion of the site shows low terrain conductivity and no metal (Figures 7 and 8, respectively).

4.0 CONCLUSION

The findings and conclusions in this report are stated with a reasonable degree of scientific certainty. THG's findings and conclusions are as follows:

- The geophysical survey included EM methods and was completed on the 3 additional sites, including the Shaw Road Site Properties;
- None of the sites showed obvious signs of extensive waste placement;
- The Shaw Road Site – [REDACTED] County Road 181 Property contained buried anomalies consistent with minor waste or metal burial (Figures 7 and 8).

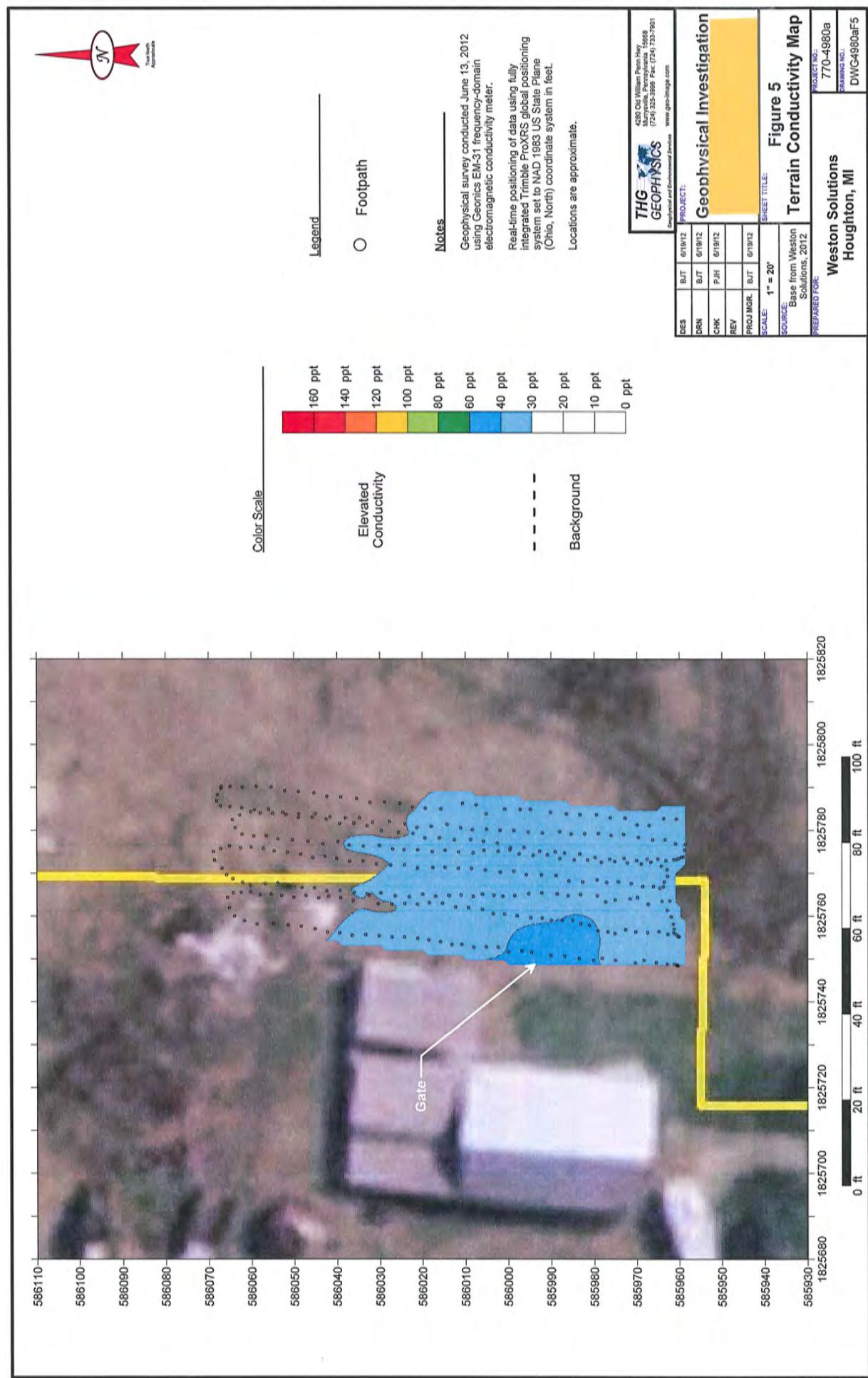
Geophysical investigations are a non-invasive method of interpreting physical properties of the shallow earth using electrical, electromagnetic, or mechanical energy. This document contains geophysical interpretations of responses to induced or real-world phenomena. As such, the measured phenomenon may be impacted by variables not readily identified in the field that can result in a false-positive and/or false negative interpretation. THG makes no representations or warranties as to the accuracy of the interpretations.

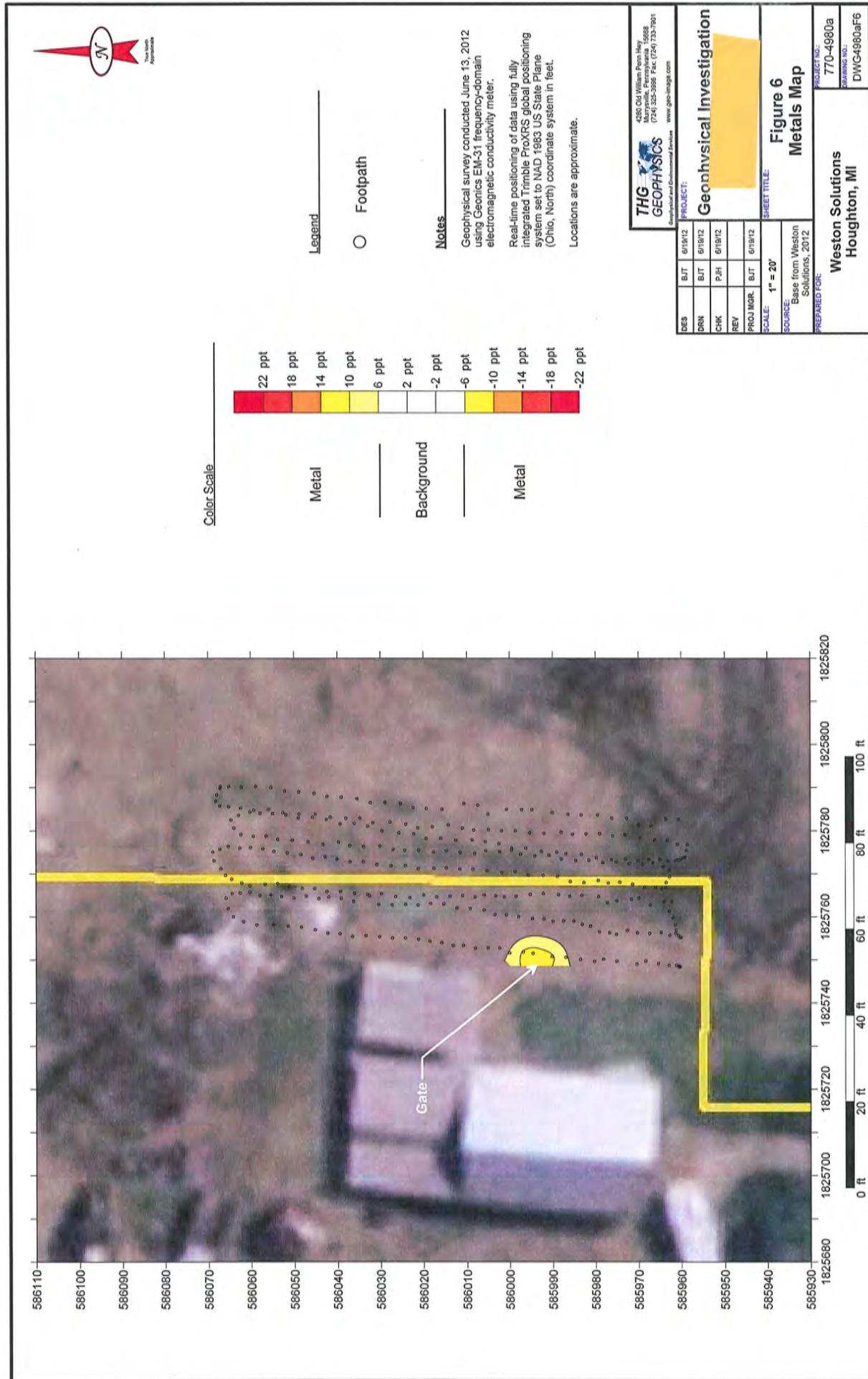
5.0 REFERENCES

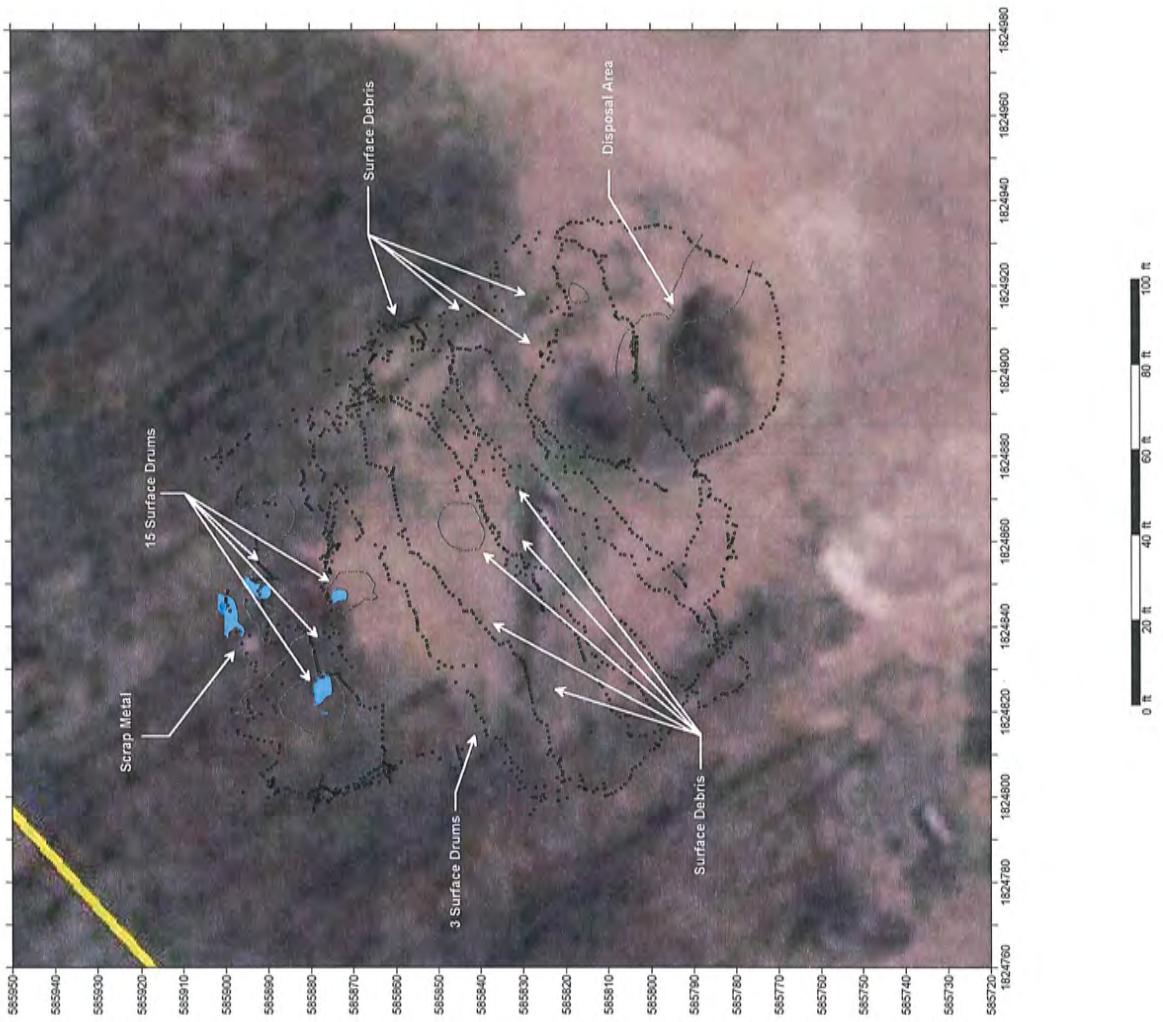
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Map intentionally redacted from report







Notes

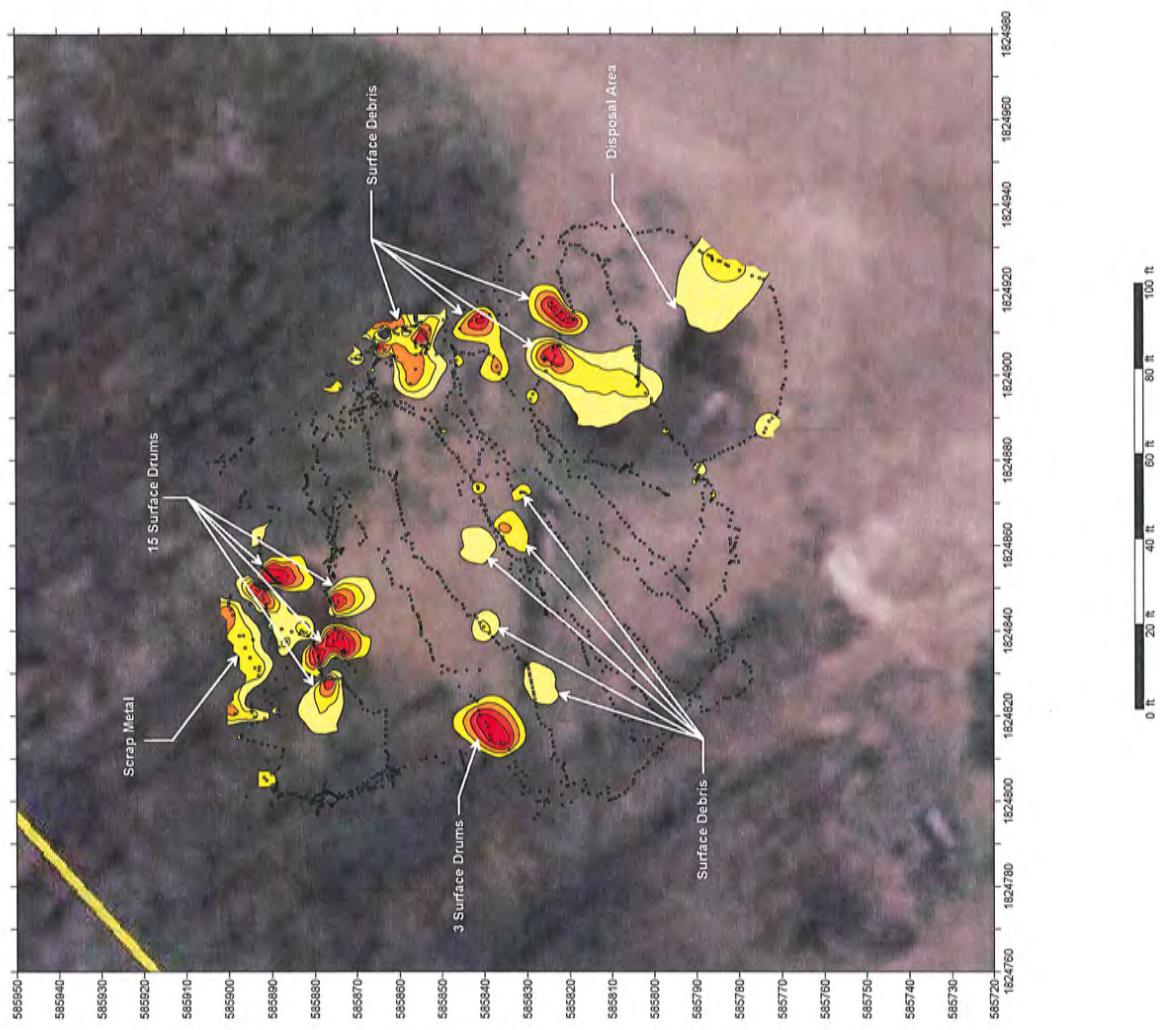
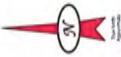
Geophysical survey conducted June 13, 2012 using Geometrics EM-311 Frequency-domain electromagnetic conductivity meter.

Real-time positioning of data using 4.6 GHz Integrator and Trimble ProXRS Global Positioning System set to NAD 1983 US StatePlane (Ohio, MI) coordinate system in feet.

Locations are approximate.

Geophysical Investigation

Figure 7
Terrain Conductivity Map



Notes
Geophysical survey conducted June 13, 2012 using Geonics EM-31 frequency-domain electromagnetic conductivity meter.
Real-time publishing of data using fully integrated Trimble ProXR global positioning system set to NAD 1983 US StatePlane (Ohio, North) coordinate system in feet.
Locations are approximate.

THG GEOPHYSICS	
100% OWNED FROM NEW YORK, MASSACHUSETTS, PENNSYLVANIA, AND OHIO STATE COMPANIES	
PROJECT:	Geophysical Investigation
DATE:	06/13/2012
CHK:	PAH
REV:	01/13/2013
PROJ. NO.:	585740
SCALE:	1" = 20'
SOURCE:	Base from Weston Solutions, 2012
PREPARED FOR:	Weston Solutions
PREPARED BY:	770-4900a
PRINTED BY:	DW4900a

Figure 8
Metals Map

APPENDIX C
ANALYTICAL DATA VALIDATION REPORT

**EASTERN SANDUSKY COUNTY DUMPS
SANDUSKY COUNTY, OHIO
DATA VALIDATION REPORT**

Date: July 10, 2012

Laboratory: ALS Environmental (ALS), Holland, Michigan

Laboratory Project #: 1206577

Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON[®]) Superfund Technical Assessment and Response Team (START)

Weston Analytical Work Order #/TDD #: 20405.016.001.1731.00/S05-0001-1201-020

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 16 soil samples plus one trip blank collected for the Eastern Sandusky County Dumps Site that were analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs by SW-846 Methods 1311 and 8260
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270
- TCLP SVOCs by SW-846 Methods 1311 and 8270
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Pesticides by SW-846 Method 8081
- TCLP Pesticides by SW-846 Methods 1311 and 8081
- Herbicides by SW-846 Method 8151
- TCLP Herbicides by SW-846 Methods 1311 and 8151
- Metals by SW-846 Methods 6020A and 7471A
- TCLP Metals by SW-846 Methods 1311, 6020A, and 7470A
- Hexavalent Chromium by SW-846 Method 7196A

A level II data package was requested from ALS. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

VOCs by SW-846 METHOD 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/20/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/20/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/20/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/20/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/20/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/20/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/20/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/21/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/21/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/21/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/21/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/20/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/21/2012
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/21/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/21/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/21/2012
Trip Blank	1206577-33	Soil	6/13/2012	6/21/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks were analyzed with the VOC analyses. The method blanks contained the following contaminants: acetone at 0.095 milligram per kilogram (mg/kg) and methyl acetate at 0.3715 mg/kg. The trip blank contained acetone at 0.11 mg/kg.

Because all detected methyl acetate results and acetone results were at a similar concentration to the method blank and trip blank concentrations (less than three times), they were flagged "U" as not detected.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
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4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

An MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and relative percent differences (RPD) were with QC limits except for as follows. Trichlorofluoromethane was detected low in the MS and MSD. In sample SR-SS01-061312, the quantitation limit for trichlorofluoromethane was flagged "UJ" as estimated due to potential matrix interference.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples contained no detection of target analytes (acetone was flagged as not detected based on blank concentrations) which indicates good correlation between the samples.

8. Overall Assessment

The VOC data are acceptable for use as qualified based on the information received.

TCLP VOCs by SW-846 METHODS 1311 AND 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
CP-SS01-061312	1206577-01	Soil	6/13/2012	6/24/2012
CP-SS02-061312	1206577-02	Soil	6/13/2012	6/24/2012
CP-SS03-061312	1206577-03	Soil	6/13/2012	6/24/2012
CP-SS04-061312	1206577-04	Soil	6/13/2012	6/24/2012
CP-SS05-061312	1206577-05	Soil	6/13/2012	6/24/2012
CP-SS06-061312	1206577-06	Soil	6/13/2012	6/24/2012
CP-SS07-061312	1206577-07	Soil	6/13/2012	6/24/2012

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
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Samples	Lab ID	Matrix	Date Collected	Date Analyzed
CP-SS08-061312	1206577-08	Soil	6/13/2012	6/24/2012
CP-SS09-061312	1206577-09	Soil	6/13/2012	6/24/2012
CP-SS10-061312	1206577-10	Soil	6/13/2012	6/24/2012
CP-SS11-061312	1206577-11	Soil	6/13/2012	6/24/2012
SR-SS01-061312	1206577-12	Soil	6/13/2012	6/27/2012
SR-SS02-061312	1206577-13	Soil	6/13/2012	6/27/2012
SR-SS03-061312	1206577-14	Soil	6/13/2012	6/27/2012
SR-SS-061312-DUP	1206577-15	Soil	6/13/2012	6/27/2012
SR-SS04-061312	1206577-16	Soil	6/13/2012	6/27/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks were analyzed with the TCLP VOC analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established QC limits.

5. LCS Results

The LCS recoveries were within laboratory QC limits except for 1,1-dichloroethene which was detected one percent above the QC limit. No qualification was applied for this minor discrepancy.

6. MS and MSD Results

An MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were within QC limits.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples contained no detection of target analytes which indicates good correlation between the samples.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
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8. Overall Assessment

The TCLP VOC data are acceptable for use based on the information received.

SVOCs BY SW-846 METHOD 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/22/2012	6/26/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/22/2012	6/26/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/25/2012	6/27/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/25/2012	6/26/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/25/2012	6/26/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/25/2012	6/26/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/25/2012	6/26/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/25/2012	6/26/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/25/2012	6/27/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/25/2012	6/27/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/25/2012	6/26/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/25/2012	6/27/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/25/2012	6/26/2012
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/25/2012	6/27/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/25/2012	6/27/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/25/2012	6/27/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits. Caprolactam and bis(2-ethylhexyl)phthalate was detected in method blanks below the reporting limit. The sample results were either non-detect or much greater than the method blank concentration and no qualifications were required.

Data Validation Report
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4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits except for as follows. In one sample, one of the six surrogates was detected slightly high, above the QC limit. However, the other five surrogates had good recovery. No qualification was required.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits except for as follows.

In one of the LCSs analyzed, a few compounds were detected slight above the QC limit (1 to 4 percent). No qualifications were applied for this minor discrepancy.

In an LCS analyzed on 6/27/2012, 4-chloroanaline and carbazole were detected high. Because these compounds were not detected in the samples, no qualifications were required.

6. MS and MSD Results

One site-specific MS and MSD were analyzed using sample WP-B06-S01-061512 as the spiked sample. The percent recoveries and RPDs were with QC limits except for as follows. The percent recoveries for some compounds were detected slightly above the QC limits. However, these compounds were not detected in the sample and no qualifications were applied.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. There was definite evidence of sample heterogeneity associated with these samples. Some compounds were detected in one of the samples but not the other. For the two compounds that were detected in both samples, the RPDs were 48 and 88 percent.

8. Overall Assessment

The SVOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
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TCLP SVOCs BY SW-846 METHODS 1311 AND 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-01	Soil	6/13/2012	6/21/2012	6/23/2012
CP-SS02-061312	1206577-02	Soil	6/13/2012	6/21/2012	6/23/2012
CP-SS03-061312	1206577-03	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS04-061312	1206577-04	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS05-061312	1206577-05	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS06-061312	1206577-06	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS07-061312	1206577-07	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS08-061312	1206577-08	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS09-061312	1206577-09	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS10-061312	1206577-10	Soil	6/13/2012	6/26/2012	6/26/2012
CP-SS11-061312	1206577-11	Soil	6/13/2012	6/26/2012	6/26/2012
SR-SS01-061312	1206577-12	Soil	6/13/2012	6/26/2012	6/26/2012
SR-SS02-061312	1206577-13	Soil	6/13/2012	6/26/2012	6/27/2012
SR-SS03-061312	1206577-14	Soil	6/13/2012	6/26/2012	6/27/2012
SR-SS-061312-DUP	1206577-15	Soil	6/13/2012	6/26/2012	6/27/2012
SR-SS04-061312	1206577-16	Soil	6/13/2012	6/26/2012	6/27/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the TCLP SVOC analyses. The method blanks were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

Data Validation Report
Eastern Sandusky County Dumps Site
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5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample CP-SS01-061312 as the spiked sample. The percent recoveries and RPDs were within QC limits except for as follows.

The RPD for hexachloro-1,3-butadiene was slightly outside the QC limits. Because this compound was not detected in the samples, no qualification is required.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples contained no detection of target analytes which indicates good correlation between the samples.

8. Overall Assessment

The TCLP SVOC data are acceptable for use based on the information received.

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/21/2012	6/25/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/23/2012	6/26/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/23/2012	6/26/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/23/2012	6/26/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/23/2012	6/26/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/23/2012	6/26/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/23/2012	6/26/2012

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Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/23/2012	6/26/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/23/2012	6/26/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/23/2012	6/26/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

One site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. The investigative sample had a detection of Aroclor 1254 at 0.16 mg/kg. However, the field duplicate did not contain any detection of PCBs. This indicates some sample heterogeneity associated with PCBs in these samples.

8. Overall Assessment

The PCB data are acceptable for use based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
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PESTICIDES BY U.S. EPA SW-846 METHOD 8081

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/21/2012	6/26/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/23/2012	6/28/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/23/2012	6/28/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/23/2012	6/28/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/23/2012	6/28/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/23/2012	6/28/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/23/2012	6/28/2012
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/23/2012	6/28/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/23/2012	6/28/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/23/2012	6/28/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the pesticide analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

Data Validation Report
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5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

One site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were with QC limits except for as follows. 4,4'-DDT; dieldrin; and endosulfan sulfate were detected high in the MS and/or MSD. Because these compounds were not detected in the spiked sample, no qualifications are required.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. The RPDs were calculated for the two detected pesticides. The RPDs were 0 and 23 percent which is acceptable.

8. Overall Assessment

The pesticide data are acceptable for use based on the information received.

TCLP PESTICIDES BY U.S. EPA SW-846 METHODS 1311 AND 8081

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-01	Soil	6/13/2012	6/25/2012	6/27/2012
CP-SS02-061312	1206577-02	Soil	6/13/2012	6/25/2012	6/28/2012
CP-SS03-061312	1206577-03	Soil	6/13/2012	6/25/2012	6/28/2012
CP-SS04-061312	1206577-04	Soil	6/13/2012	6/25/2012	6/28/2012
CP-SS05-061312	1206577-05	Soil	6/13/2012	6/26/2012	6/28/2012
CP-SS06-061312	1206577-06	Soil	6/13/2012	6/26/2012	6/28/2012
CP-SS07-061312	1206577-07	Soil	6/13/2012	6/26/2012	6/28/2012
CP-SS08-061312	1206577-08	Soil	6/13/2012	6/26/2012	6/28/2012
CP-SS09-061312	1206577-09	Soil	6/13/2012	6/26/2012	6/28/2012
CP-SS10-061312	1206577-10	Soil	6/13/2012	6/26/2012	6/28/2012
CP-SS11-061312	1206577-11	Soil	6/13/2012	6/26/2012	6/28/2012
SR-SS01-061312	1206577-12	Soil	6/13/2012	6/26/2012	6/28/2012
SR-SS02-061312	1206577-13	Soil	6/13/2012	6/26/2012	6/28/2012
SR-SS03-061312	1206577-14	Soil	6/13/2012	6/26/2012	6/28/2012

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Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
SR-SS-061312-DUP	1206577-15	Soil	6/13/2012	6/26/2012	6/28/2012
SR-SS04-061312	1206577-16	Soil	6/13/2012	6/26/2012	6/28/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the TCLP pesticide analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

Two site-specific MS and MSDs were analyzed using sample CP-SS01-061312 and SR-SS01-061312 as the spiked samples. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples contained no detection of target analytes which indicates good correlation between the samples.

8. Overall Assessment

The TCLP pesticide data are acceptable for use based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

HERBICIDES BY U.S. EPA SW-846 METHOD 8151

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/20/2012	6/22/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/20/2012	6/22/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/20/2012	6/22/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/20/2012	6/22/2012
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/20/2012	6/22/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/20/2012	6/22/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/20/2012	6/22/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

A method blank was analyzed with the herbicide analyses. The method blank was free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

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Eastern Sandusky County Dumps Site
ALS Environmental
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5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

One site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were within QC limits.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples contained no detection of target analytes which indicates good correlation between the samples.

8. Overall Assessment

The herbicide data are acceptable for use based on the information received.

TCLP HERBICIDES BY U.S. EPA SW-846 METHODS 1311 AND 8151

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
CP-SS01-061312	1206577-01	Soil	6/13/2012	6/23/2012	6/25/2012
CP-SS02-061312	1206577-02	Soil	6/13/2012	6/23/2012	6/25/2012
CP-SS03-061312	1206577-03	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS04-061312	1206577-04	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS05-061312	1206577-05	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS06-061312	1206577-06	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS07-061312	1206577-07	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS08-061312	1206577-08	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS09-061312	1206577-09	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS10-061312	1206577-10	Soil	6/13/2012	6/27/2012	6/28/2012
CP-SS11-061312	1206577-11	Soil	6/13/2012	6/27/2012	6/28/2012
SR-SS01-061312	1206577-12	Soil	6/13/2012	6/27/2012	6/28/2012
SR-SS02-061312	1206577-13	Soil	6/13/2012	6/27/2012	6/28/2012
SR-SS03-061312	1206577-14	Soil	6/13/2012	6/27/2012	6/28/2012
SR-SS-061312-DUP	1206577-15	Soil	6/13/2012	6/27/2012	6/28/2012

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Eastern Sandusky County Dumps Site
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Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
SR-SS04-061312	1206577-16	Soil	6/13/2012	6/27/2012	6/29/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the TCLP herbicide analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

One site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples contained no detection of target analytes which indicates good correlation between the samples.

8. Overall Assessment

The TCLP herbicide data are acceptable for use based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

TOTAL METALS BY SW-846 METHODS 6020A AND 7471

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/26/2012 – 6/28/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/27/2012 – 6/28/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/27/2012 – 6/28/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/26/2012 – 6/28/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/27/2012 – 6/28/2012
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/27/2012 – 6/28/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/27/2012 – 6/28/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/27/2012 – 6/28/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits. Some metals were detected below the reporting limits in the method blanks; however, the sample concentrations were either non-detect or much higher than the blank concentrations. No qualifications were required.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
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4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

A site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were within QC limits except for as follows.

In some instances, metals were not adequately recovered and the spike amount was more than four time lower than the sample concentration. In these cases, no qualification is required.

The following compounds were detected low in the MS and/or MSD: chromium, cobalt, selenium, silver, thallium, vanadium, antimony, arsenic, magnesium, potassium, and boron. Detected results for these metals were flagged "J" and the quantitation limits for non-detected results for these metals were flagged "UJ" as estimated due to potential matrix interferences.

6. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. The RPDs were calculated for detected metals.

The RPDs ranged from 0 to 50 percent. None of the RPDs exceeded a standard QC limit of 50 RPD or less. The correlation between the field duplicate and investigative sample was acceptable for metals.

7. Overall Assessment

The metals data are acceptable for use as qualified based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

TCLP METALS BY SW-846 METHODS 1311, 6020, AND 7470A

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
CP-SS01-061312	1206577-01	Soil	6/13/2012	6/22/2012 – 6/25/2012
CP-SS02-061312	1206577-02	Soil	6/13/2012	6/25/2012 – 6/26/2012
CP-SS03-061312	1206577-03	Soil	6/13/2012	6/26/2012
CP-SS04-061312	1206577-04	Soil	6/13/2012	6/26/2012
CP-SS05-061312	1206577-05	Soil	6/13/2012	6/26/2012 – 6/27/2012
CP-SS06-061312	1206577-06	Soil	6/13/2012	6/26/2012 – 6/27/2012
CP-SS07-061312	1206577-07	Soil	6/13/2012	6/27/2012 – 6/28/2012
CP-SS08-061312	1206577-08	Soil	6/13/2012	6/27/2012 – 6/28/2012
CP-SS09-061312	1206577-09	Soil	6/13/2012	6/27/2012 – 6/28/2012
CP-SS10-061312	1206577-10	Soil	6/13/2012	6/27/2012
CP-SS11-061312	1206577-11	Soil	6/13/2012	6/27/2012
SR-SS01-061312	1206577-12	Soil	6/13/2012	6/27/2012
SR-SS02-061312	1206577-13	Soil	6/13/2012	6/27/2012
SR-SS03-061312	1206577-14	Soil	6/13/2012	6/27/2012
SR-SS-061312-DUP	1206577-15	Soil	6/13/2012	6/27/2012
SR-SS04-061312	1206577-16	Soil	6/13/2012	6/27/2012

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits. Some TCLP metals were detected below the reporting limit. However, the sample results were either non-detect or much greater than the method blank results and no qualifications were required.

Data Validation Report
Eastern Sandusky County Dumps Site
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4. LCS Results

The LCS recoveries were within the laboratory-established QC limits for target analytes.

5. MS and MSD Results

A site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The percent recoveries and RPDs were within QC limits except for as follows. In the MS only, barium and silver were detected slightly below the QC limit. Because the QC limit was met for the MSD and the discrepancy was minor, no qualifications were applied.

6. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. The RPDs were calculated for detected metals.

The RPDs ranged from 0 to 48 percent. None of the RPDs exceeded a standard QC limit of 50 RPD or less. The correlation between the field duplicate and investigative sample was acceptable for TCLP metals.

7. Overall Assessment

The TCLP metals data are acceptable for use based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

GENERAL CHEMISTRY PARAMETERS (Hexavalent Chromium by 7196A)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
CP-SS01-061312	1206577-17	Soil	6/13/2012	6/27/2012
CP-SS02-061312	1206577-18	Soil	6/13/2012	6/27/2012
CP-SS03-061312	1206577-19	Soil	6/13/2012	6/27/2012
CP-SS04-061312	1206577-20	Soil	6/13/2012	6/27/2012
CP-SS05-061312	1206577-21	Soil	6/13/2012	6/27/2012
CP-SS06-061312	1206577-22	Soil	6/13/2012	6/27/2012
CP-SS07-061312	1206577-23	Soil	6/13/2012	6/27/2012
CP-SS08-061312	1206577-24	Soil	6/13/2012	6/27/2012
CP-SS09-061312	1206577-25	Soil	6/13/2012	6/27/2012
CP-SS10-061312	1206577-26	Soil	6/13/2012	6/27/2012
CP-SS11-061312	1206577-27	Soil	6/13/2012	6/27/2012
SR-SS01-061312	1206577-28	Soil	6/13/2012	6/27/2012
SR-SS02-061312	1206577-29	Soil	6/13/2012	6/27/2012
SR-SS03-061312	1206577-30	Soil	6/13/2012	6/27/2012
SR-SS-061312-DUP	1206577-31	Soil	6/13/2012	6/27/2012
SR-SS04-061312	1206577-32	Soil	6/13/2012	6/27/2012

2. Holding Times

The holding time of 30 days for hexavalent chromium analysis of solid samples was met.

3. Method Blanks

A method blank was analyzed with the hexavalent chromium analyses and was free of target analyte contamination above the reporting limit.

4. LCS Results

The percent recoveries were within QC limits for the LCSs analyzed.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

5. MS and MSD Results

For hexavalent chromium, one site-specific MS and MSD were analyzed using sample SR-SS01-061312 as the spiked sample. The MS/MSD recovery was poor. The quantitation limit for sample SR-SS01-061312 was flagged "UJ" as estimated.

6. Field Duplicate Results

Sample SR-SS-061312-DUP is a field duplicate of sample SR-SS03-061312. Both samples were non-detect for hexavalent chromium indicating good correlation between the samples.

7. Overall Assessment

The hexavalent chromium data are acceptable for use based on the information received.

Data Validation Report
Eastern Sandusky County Dumps Site
ALS Environmental
Laboratory Project #: 1206577

ATTACHMENT

**ALS ENVIRONMENTAL
RESULTS SUMMARY WITH QUALIFIERS**

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS01-061312
Collection Date: 06/13/12 04:50 PM

Work Order: 1206577
Lab ID: 1206577-12
Matrix: TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP HERBICIDES						
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	06/28/12 11:06 PM
2,4-D	ND		0.0050	mg/L	1	06/28/12 11:06 PM
<i>Surr: DCAA</i>	81.6		30-150	%REC	1	06/28/12 11:06 PM
TCLP PESTICIDES						
Chlordane, Technical	ND		0.0050	mg/L	1	06/28/12 03:20 AM
Endrin	ND		0.00050	mg/L	1	06/28/12 03:20 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	06/28/12 03:20 AM
Heptachlor	ND		0.00025	mg/L	1	06/28/12 03:20 AM
Methoxychlor	ND		0.0025	mg/L	1	06/28/12 03:20 AM
Toxaphene	ND		0.020	mg/L	1	06/28/12 03:20 AM
<i>Surr: Decachlorobiphenyl</i>	58.0		30-135	%REC	1	06/28/12 03:20 AM
<i>Surr: Tetrachloro-m-xylene</i>	51.0		25-140	%REC	1	06/28/12 03:20 AM
TCLP MERCURY BY CVAA						
Mercury	ND		0.0020	mg/L	1	06/27/12 12:55 PM
TCLP METALS ANALYSIS BY ICP-MS						
Arsenic	ND		0.010	mg/L	1	06/27/12 04:31 PM
Barium	1.5		0.050	mg/L	1	06/27/12 04:31 PM
Cadmium	0.025		0.0020	mg/L	1	06/27/12 04:31 PM
Chromium	ND		0.020	mg/L	1	06/27/12 04:31 PM
Lead	0.021		0.010	mg/L	1	06/27/12 04:31 PM
Selenium	ND		0.020	mg/L	1	06/27/12 04:31 PM
Silver	ND		0.0050	mg/L	1	06/27/12 04:31 PM
TCLP SEMI-VOLATILE ORGANICS						
1,4-Dichlorobenzene	ND		0.10	mg/L	1	06/26/12 07:32 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	06/26/12 07:32 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	06/26/12 07:32 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	06/26/12 07:32 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	06/26/12 07:32 PM
Hexachlorobenzene	ND		0.10	mg/L	1	06/26/12 07:32 PM
Hexachloroethane	ND		0.10	mg/L	1	06/26/12 07:32 PM
m-Cresol	ND		0.10	mg/L	1	06/26/12 07:32 PM
Nitrobenzene	ND		0.10	mg/L	1	06/26/12 07:32 PM
o-Cresol	ND		0.10	mg/L	1	06/26/12 07:32 PM
p-Cresol	ND		0.10	mg/L	1	06/26/12 07:32 PM
Pentachlorophenol	ND		0.40	mg/L	1	06/26/12 07:32 PM
Pyridine	ND		0.40	mg/L	1	06/26/12 07:32 PM
<i>Surr: 2,4,6-Tribromophenol</i>	63.9		21-125	%REC	1	06/26/12 07:32 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps **Work Order:** 1206577
Sample ID: SR-SS01-061312 **Lab ID:** 1206577-12
Collection Date: 06/13/12 04:50 PM **Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	54.7		39-94	%REC	1	06/26/12 07:32 PM
Surr: 2-Fluorophenol	37.3		10-75	%REC	1	06/26/12 07:32 PM
Surr: 4-Terphenyl-d14	60.8		26-119	%REC	1	06/26/12 07:32 PM
Surr: Nitrobenzene-d5	55.9		41-104	%REC	1	06/26/12 07:32 PM
Surr: Phenol-d6	24.6		11-50	%REC	1	06/26/12 07:32 PM
TCLP VOLATILE ORGANICS			SW8260		Prep Date: 06/22/12	Analyst: BG
1,1-Dichloroethene	ND		0.020	mg/L	20	06/27/12 03:18 PM
1,2-Dichloroethane	ND		0.020	mg/L	20	06/27/12 03:18 PM
2-Butanone	ND		0.20	mg/L	20	06/27/12 03:18 PM
Benzene	ND		0.020	mg/L	20	06/27/12 03:18 PM
Carbon tetrachloride	ND		0.020	mg/L	20	06/27/12 03:18 PM
Chlorobenzene	ND		0.020	mg/L	20	06/27/12 03:18 PM
Chloroform	ND		0.020	mg/L	20	06/27/12 03:18 PM
Tetrachloroethene	ND		0.020	mg/L	20	06/27/12 03:18 PM
Trichloroethene	ND		0.020	mg/L	20	06/27/12 03:18 PM
Vinyl chloride	ND		0.020	mg/L	20	06/27/12 03:18 PM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	20	06/27/12 03:18 PM
Surr: 4-Bromofluorobenzene	95.6		70-130	%REC	20	06/27/12 03:18 PM
Surr: Dibromofluoromethane	97.2		70-130	%REC	20	06/27/12 03:18 PM
Surr: Toluene-d8	97.9		70-130	%REC	20	06/27/12 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Sample ID: SR-SS02-061312

Collection Date: 06/13/12 05:00 PM

Work Order: 1206577

Lab ID: 1206577-13

Matrix: TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP HERBICIDES						
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	06/28/12 11:33 PM
2,4-D	ND		0.0050	mg/L	1	06/28/12 11:33 PM
<i>Surr: DCAA</i>	85.8		30-150	%REC	1	06/28/12 11:33 PM
TCLP PESTICIDES						
Chlordane, Technical	ND		0.0050	mg/L	1	06/28/12 04:04 AM
Endrin	ND		0.00050	mg/L	1	06/28/12 04:04 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	06/28/12 04:04 AM
Heptachlor	ND		0.00025	mg/L	1	06/28/12 04:04 AM
Methoxychlor	ND		0.0025	mg/L	1	06/28/12 04:04 AM
Toxaphene	ND		0.020	mg/L	1	06/28/12 04:04 AM
<i>Surr: Decachlorobiphenyl</i>	64.0		30-135	%REC	1	06/28/12 04:04 AM
<i>Surr: Tetrachloro-m-xylene</i>	62.0		25-140	%REC	1	06/28/12 04:04 AM
TCLP MERCURY BY CVAA						
Mercury	ND		0.0020	mg/L	1	06/27/12 01:09 PM
TCLP METALS ANALYSIS BY ICP-MS						
Arsenic	ND		0.010	mg/L	1	06/27/12 04:56 PM
Barium	0.26		0.050	mg/L	1	06/27/12 04:56 PM
Cadmium	0.0025		0.0020	mg/L	1	06/27/12 04:56 PM
Chromium	ND		0.020	mg/L	1	06/27/12 04:56 PM
Lead	ND		0.010	mg/L	1	06/27/12 04:56 PM
Selenium	ND		0.020	mg/L	1	06/27/12 04:56 PM
Silver	ND		0.0050	mg/L	1	06/27/12 04:56 PM
TCLP SEMI-VOLATILE ORGANICS						
1,4-Dichlorobenzene	ND		0.10	mg/L	1	06/27/12 12:55 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 12:55 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 12:55 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	06/27/12 12:55 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	06/27/12 12:55 PM
Hexachlorobenzene	ND		0.10	mg/L	1	06/27/12 12:55 PM
Hexachloroethane	ND		0.10	mg/L	1	06/27/12 12:55 PM
m-Cresol	ND		0.10	mg/L	1	06/27/12 12:55 PM
Nitrobenzene	ND		0.10	mg/L	1	06/27/12 12:55 PM
o-Cresol	ND		0.10	mg/L	1	06/27/12 12:55 PM
p-Cresol	ND		0.10	mg/L	1	06/27/12 12:55 PM
Pentachlorophenol	ND		0.40	mg/L	1	06/27/12 12:55 PM
Pyridine	ND		0.40	mg/L	1	06/27/12 12:55 PM
<i>Surr: 2,4,6-Tribromophenol</i>	59.1		21-125	%REC	1	06/27/12 12:55 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps **Work Order:** 1206577
Sample ID: SR-SS02-061312 **Lab ID:** 1206577-13
Collection Date: 06/13/12 05:00 PM **Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	52.0		39-94	%REC	1	06/27/12 12:55 PM
Surr: 2-Fluorophenol	37.7		10-75	%REC	1	06/27/12 12:55 PM
Surr: 4-Terphenyl-d14	63.5		26-119	%REC	1	06/27/12 12:55 PM
Surr: Nitrobenzene-d5	52.6		41-104	%REC	1	06/27/12 12:55 PM
Surr: Phenol-d6	24.7		11-50	%REC	1	06/27/12 12:55 PM
TCLP VOLATILE ORGANICS			SW8260		Prep Date: 06/27/12	Analyst: BG
1,1-Dichloroethene	ND		0.020	mg/L	20	06/27/12 01:42 PM
1,2-Dichloroethane	ND		0.020	mg/L	20	06/27/12 01:42 PM
2-Butanone	ND		0.20	mg/L	20	06/27/12 01:42 PM
Benzene	ND		0.020	mg/L	20	06/27/12 01:42 PM
Carbon tetrachloride	ND		0.020	mg/L	20	06/27/12 01:42 PM
Chlorobenzene	ND		0.020	mg/L	20	06/27/12 01:42 PM
Chloroform	ND		0.020	mg/L	20	06/27/12 01:42 PM
Tetrachloroethene	ND		0.020	mg/L	20	06/27/12 01:42 PM
Trichloroethene	ND		0.020	mg/L	20	06/27/12 01:42 PM
Vinyl chloride	ND		0.020	mg/L	20	06/27/12 01:42 PM
Surr: 1,2-Dichloroethane-d4	99.8		70-130	%REC	20	06/27/12 01:42 PM
Surr: 4-Bromofluorobenzene	99.3		70-130	%REC	20	06/27/12 01:42 PM
Surr: Dibromofluoromethane	95.6		70-130	%REC	20	06/27/12 01:42 PM
Surr: Toluene-d8	98.4		70-130	%REC	20	06/27/12 01:42 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS03-061312
Collection Date: 06/13/12 05:10 PM

Work Order: 1206577
Lab ID: 1206577-14
Matrix: TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP HERBICIDES						
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	06/28/12 11:42 PM
2,4-D	ND		0.0050	mg/L	1	06/28/12 11:42 PM
Surr: DCAA	85.0		30-150	%REC	1	06/28/12 11:42 PM
TCLP PESTICIDES						
Chlordane, Technical	ND		0.0050	mg/L	1	06/28/12 04:19 AM
Endrin	ND		0.00050	mg/L	1	06/28/12 04:19 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	06/28/12 04:19 AM
Heptachlor	ND		0.00025	mg/L	1	06/28/12 04:19 AM
Methoxychlor	ND		0.0025	mg/L	1	06/28/12 04:19 AM
Toxaphene	ND		0.020	mg/L	1	06/28/12 04:19 AM
Surr: Decachlorobiphenyl	69.0		30-135	%REC	1	06/28/12 04:19 AM
Surr: Tetrachloro-m-xylene	63.0		25-140	%REC	1	06/28/12 04:19 AM
TCLP MERCURY BY CVAA						
Mercury	ND		0.0020	mg/L	1	06/27/12 01:11 PM
TCLP METALS ANALYSIS BY ICP-MS						
Arsenic	ND		0.010	mg/L	1	06/27/12 05:01 PM
Barium	1.2		0.050	mg/L	1	06/27/12 05:01 PM
Cadmium	0.039		0.0020	mg/L	1	06/27/12 05:01 PM
Chromium	0.049		0.020	mg/L	1	06/27/12 05:01 PM
Lead	0.51		0.010	mg/L	1	06/27/12 05:01 PM
Selenium	ND		0.020	mg/L	1	06/27/12 05:01 PM
Silver	ND		0.0050	mg/L	1	06/27/12 05:01 PM
TCLP SEMI-VOLATILE ORGANICS						
1,4-Dichlorobenzene	ND		0.10	mg/L	1	06/27/12 01:24 AM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 01:24 AM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 01:24 AM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	06/27/12 01:24 AM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	06/27/12 01:24 AM
Hexachlorobenzene	ND		0.10	mg/L	1	06/27/12 01:24 AM
Hexachloroethane	ND		0.10	mg/L	1	06/27/12 01:24 AM
m-Cresol	ND		0.10	mg/L	1	06/27/12 01:24 AM
Nitrobenzene	ND		0.10	mg/L	1	06/27/12 01:24 AM
o-Cresol	ND		0.10	mg/L	1	06/27/12 01:24 AM
p-Cresol	ND		0.10	mg/L	1	06/27/12 01:24 AM
Pentachlorophenol	ND		0.40	mg/L	1	06/27/12 01:24 AM
Pyridine	ND		0.40	mg/L	1	06/27/12 01:24 AM
Surr: 2,4,6-Tribromophenol	53.9		21-125	%REC	1	06/27/12 01:24 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date: 30-Jun-12**

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps **Work Order:** 1206577
Sample ID: SR-SS03-061312 **Lab ID:** 1206577-14
Collection Date: 06/13/12 05:10 PM **Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	48.6		39-94	%REC	1	06/27/12 01:24 AM
<i>Surr: 2-Fluorophenol</i>	35.2		10-75	%REC	1	06/27/12 01:24 AM
<i>Surr: 4-Terphenyl-d14</i>	57.2		26-119	%REC	1	06/27/12 01:24 AM
<i>Surr: Nitrobenzene-d5</i>	48.2		41-104	%REC	1	06/27/12 01:24 AM
<i>Surr: Phenol-d6</i>	22.8		11-50	%REC	1	06/27/12 01:24 AM
TCLP VOLATILE ORGANICS			SW8260		Prep Date: 06/27/12	Analyst: BG
1,1-Dichloroethene	ND		0.020	mg/L	20	06/27/12 02:06 PM
1,2-Dichloroethane	ND		0.020	mg/L	20	06/27/12 02:06 PM
2-Butanone	ND		0.20	mg/L	20	06/27/12 02:06 PM
Benzene	ND		0.020	mg/L	20	06/27/12 02:06 PM
Carbon tetrachloride	ND		0.020	mg/L	20	06/27/12 02:06 PM
Chlorobenzene	ND		0.020	mg/L	20	06/27/12 02:06 PM
Chloroform	ND		0.020	mg/L	20	06/27/12 02:06 PM
Tetrachloroethene	ND		0.020	mg/L	20	06/27/12 02:06 PM
Trichloroethene	ND		0.020	mg/L	20	06/27/12 02:06 PM
Vinyl chloride	ND		0.020	mg/L	20	06/27/12 02:06 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	102		70-130	%REC	20	06/27/12 02:06 PM
<i>Surr: 4-Bromofluorobenzene</i>	98.2		70-130	%REC	20	06/27/12 02:06 PM
<i>Surr: Dibromofluoromethane</i>	96.8		70-130	%REC	20	06/27/12 02:06 PM
<i>Surr: Toluene-d8</i>	98.7		70-130	%REC	20	06/27/12 02:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS-061312-DUP

Lab ID: 1206577-15

Collection Date: 06/13/12 05:10 PM

Matrix: TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP HERBICIDES						
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	06/28/12 11:51 PM
2,4-D	ND		0.0050	mg/L	1	06/28/12 11:51 PM
<i>Surr: DCAA</i>	80.2		30-150	%REC	1	06/28/12 11:51 PM
TCLP PESTICIDES						
Chlordane, Technical	ND		0.0050	mg/L	1	06/28/12 04:33 AM
Endrin	ND		0.00050	mg/L	1	06/28/12 04:33 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	06/28/12 04:33 AM
Heptachlor	ND		0.00025	mg/L	1	06/28/12 04:33 AM
Methoxychlor	ND		0.0025	mg/L	1	06/28/12 04:33 AM
Toxaphene	ND		0.020	mg/L	1	06/28/12 04:33 AM
<i>Surr: Decachlorobiphenyl</i>	63.0		30-135	%REC	1	06/28/12 04:33 AM
<i>Surr: Tetrachloro-m-xylene</i>	73.0		25-140	%REC	1	06/28/12 04:33 AM
TCLP MERCURY BY CVAA						
Mercury	ND		0.0020	mg/L	1	06/27/12 01:14 PM
TCLP METALS ANALYSIS BY ICP-MS						
Arsenic	ND		0.010	mg/L	1	06/27/12 05:07 PM
Barium	1.2		0.050	mg/L	1	06/27/12 05:07 PM
Cadmium	0.040		0.0020	mg/L	1	06/27/12 05:07 PM
Chromium	0.030		0.020	mg/L	1	06/27/12 05:07 PM
Lead	0.51		0.010	mg/L	1	06/27/12 05:07 PM
Selenium	ND		0.020	mg/L	1	06/27/12 05:07 PM
Silver	ND		0.0050	mg/L	1	06/27/12 05:07 PM
TCLP SEMI-VOLATILE ORGANICS						
1,4-Dichlorobenzene	ND		0.10	mg/L	1	06/27/12 01:54 AM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 01:54 AM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 01:54 AM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	06/27/12 01:54 AM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	06/27/12 01:54 AM
Hexachlorobenzene	ND		0.10	mg/L	1	06/27/12 01:54 AM
Hexachloroethane	ND		0.10	mg/L	1	06/27/12 01:54 AM
m-Cresol	ND		0.10	mg/L	1	06/27/12 01:54 AM
Nitrobenzene	ND		0.10	mg/L	1	06/27/12 01:54 AM
o-Cresol	ND		0.10	mg/L	1	06/27/12 01:54 AM
p-Cresol	ND		0.10	mg/L	1	06/27/12 01:54 AM
Pentachlorophenol	ND		0.40	mg/L	1	06/27/12 01:54 AM
Pyridine	ND		0.40	mg/L	1	06/27/12 01:54 AM
<i>Surr: 2,4,6-Tribromophenol</i>	58.8		21-125	%REC	1	06/27/12 01:54 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps **Work Order:** 1206577
Sample ID: SR-SS-061312-DUP **Lab ID:** 1206577-15
Collection Date: 06/13/12 05:10 PM **Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	52.0		39-94	%REC	1	06/27/12 01:54 AM
Surr: 2-Fluorophenol	41.0		10-75	%REC	1	06/27/12 01:54 AM
Surr: 4-Terphenyl-d14	61.2		26-119	%REC	1	06/27/12 01:54 AM
Surr: Nitrobenzene-d5	53.4		41-104	%REC	1	06/27/12 01:54 AM
Surr: Phenol-d6	27.5		11-50	%REC	1	06/27/12 01:54 AM
TCLP VOLATILE ORGANICS			SW8260		Prep Date: 06/27/12	Analyst: BG
1,1-Dichloroethene	ND		0.020	mg/L	20	06/27/12 02:30 PM
1,2-Dichloroethane	ND		0.020	mg/L	20	06/27/12 02:30 PM
2-Butanone	ND		0.20	mg/L	20	06/27/12 02:30 PM
Benzene	ND		0.020	mg/L	20	06/27/12 02:30 PM
Carbon tetrachloride	ND		0.020	mg/L	20	06/27/12 02:30 PM
Chlorobenzene	ND		0.020	mg/L	20	06/27/12 02:30 PM
Chloroform	ND		0.020	mg/L	20	06/27/12 02:30 PM
Tetrachloroethene	ND		0.020	mg/L	20	06/27/12 02:30 PM
Trichloroethene	ND		0.020	mg/L	20	06/27/12 02:30 PM
Vinyl chloride	ND		0.020	mg/L	20	06/27/12 02:30 PM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	20	06/27/12 02:30 PM
Surr: 4-Bromofluorobenzene	98.0		70-130	%REC	20	06/27/12 02:30 PM
Surr: Dibromofluoromethane	97.0		70-130	%REC	20	06/27/12 02:30 PM
Surr: Toluene-d8	98.6		70-130	%REC	20	06/27/12 02:30 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS04-061312

Lab ID: 1206577-16

Collection Date: 06/13/12 05:15 PM

Matrix: TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP HERBICIDES						
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	06/29/12 12:01 AM
2,4-D	ND		0.0050	mg/L	1	06/29/12 12:01 AM
<i>Surr: DCAA</i>	81.0		30-150	%REC	1	06/29/12 12:01 AM
TCLP PESTICIDES						
Chlordane, Technical	ND		0.0050	mg/L	1	06/28/12 04:48 AM
Endrin	ND		0.00050	mg/L	1	06/28/12 04:48 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	06/28/12 04:48 AM
Heptachlor	ND		0.00025	mg/L	1	06/28/12 04:48 AM
Methoxychlor	ND		0.0025	mg/L	1	06/28/12 04:48 AM
Toxaphene	ND		0.020	mg/L	1	06/28/12 04:48 AM
<i>Surr: Decachlorobiphenyl</i>	65.0		30-135	%REC	1	06/28/12 04:48 AM
<i>Surr: Tetrachloro-m-xylene</i>	58.0		25-140	%REC	1	06/28/12 04:48 AM
TCLP MERCURY BY CVAA						
Mercury	ND		0.0020	mg/L	1	06/27/12 01:16 PM
TCLP METALS ANALYSIS BY ICP-MS						
Arsenic	ND		0.010	mg/L	1	06/27/12 05:12 PM
Barium	1.4		0.050	mg/L	1	06/27/12 05:12 PM
Cadmium	0.15		0.0020	mg/L	1	06/27/12 05:12 PM
Chromium	0.69		0.020	mg/L	1	06/27/12 05:12 PM
Lead	7.8	*	0.010	mg/L	1	06/27/12 05:12 PM
Selenium	ND		0.020	mg/L	1	06/27/12 05:12 PM
Silver	ND		0.0050	mg/L	1	06/27/12 05:12 PM
TCLP SEMI-VOLATILE ORGANICS						
1,4-Dichlorobenzene	ND		0.10	mg/L	1	06/27/12 02:23 AM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 02:23 AM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	06/27/12 02:23 AM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	06/27/12 02:23 AM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	06/27/12 02:23 AM
Hexachlorobenzene	ND		0.10	mg/L	1	06/27/12 02:23 AM
Hexachloroethane	ND		0.10	mg/L	1	06/27/12 02:23 AM
m-Cresol	ND		0.10	mg/L	1	06/27/12 02:23 AM
Nitrobenzene	ND		0.10	mg/L	1	06/27/12 02:23 AM
o-Cresol	ND		0.10	mg/L	1	06/27/12 02:23 AM
p-Cresol	ND		0.10	mg/L	1	06/27/12 02:23 AM
Pentachlorophenol	ND		0.40	mg/L	1	06/27/12 02:23 AM
Pyridine	ND		0.40	mg/L	1	06/27/12 02:23 AM
<i>Surr: 2,4,6-Tribromophenol</i>	65.2		21-125	%REC	1	06/27/12 02:23 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS04-061312
Collection Date: 06/13/12 05:15 PM

Work Order: 1206577
Lab ID: 1206577-16
Matrix: TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	60.2		39-94	%REC	1	06/27/12 02:23 AM
Surr: 2-Fluorophenol	39.9		10-75	%REC	1	06/27/12 02:23 AM
Surr: 4-Terphenyl-d14	68.5		26-119	%REC	1	06/27/12 02:23 AM
Surr: Nitrobenzene-d5	61.2		41-104	%REC	1	06/27/12 02:23 AM
Surr: Phenol-d6	26.0		11-50	%REC	1	06/27/12 02:23 AM
TCLP VOLATILE ORGANICS			SW8260		Prep Date: 06/27/12	Analyst: BG
1,1-Dichloroethene	ND		0.020	mg/L	20	06/27/12 02:54 PM
1,2-Dichloroethane	ND		0.020	mg/L	20	06/27/12 02:54 PM
2-Butanone	ND		0.20	mg/L	20	06/27/12 02:54 PM
Benzene	ND		0.020	mg/L	20	06/27/12 02:54 PM
Carbon tetrachloride	ND		0.020	mg/L	20	06/27/12 02:54 PM
Chlorobenzene	ND		0.020	mg/L	20	06/27/12 02:54 PM
Chloroform	ND		0.020	mg/L	20	06/27/12 02:54 PM
Tetrachloroethene	ND		0.020	mg/L	20	06/27/12 02:54 PM
Trichloroethene	ND		0.020	mg/L	20	06/27/12 02:54 PM
Vinyl chloride	ND		0.020	mg/L	20	06/27/12 02:54 PM
Surr: 1,2-Dichloroethane-d4	98.7		70-130	%REC	20	06/27/12 02:54 PM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	20	06/27/12 02:54 PM
Surr: Dibromofluoromethane	95.2		70-130	%REC	20	06/27/12 02:54 PM
Surr: Toluene-d8	98.2		70-130	%REC	20	06/27/12 02:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS01-061312
Collection Date: 06/13/12 04:50 PM

Work Order: 1206577
Lab ID: 1206577-28
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES			SW8151			
2,4,5-T	ND	0.0057	mg/Kg-dry	1		06/22/12 07:38 PM
2,4,5-TP (Silvex)	ND	0.011	mg/Kg-dry	1		06/22/12 07:38 PM
2,4-D	ND	0.0057	mg/Kg-dry	1		06/22/12 07:38 PM
<i>Surr: DCAA</i>	107	30-150	%REC	†		06/22/12 07:38 PM
PCBS			SW8082			
Aroclor 1016	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
Aroclor 1221	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
Aroclor 1232	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
Aroclor 1242	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
Aroclor 1248	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
Aroclor 1254	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
Aroclor 1260	ND	0.044	mg/Kg-dry	1		06/26/12 02:42 AM
<i>Surr: Decachlorobiphenyl</i>	93.1	40-140	%REC	†		06/26/12 02:42 AM
PESTICIDES			SW8081			
4,4'-DDD	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
4,4'-DDE	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
4,4'-DDT	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Aldrin	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
alpha-BHC	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
alpha-Chlordane	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
beta-BHC	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Chlordane, Technical	ND	0.55	mg/Kg-dry	20		06/28/12 05:25 PM
delta-BHC	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Dieldrin	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Endosulfan I	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Endosulfan II	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Endosulfan sulfate	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Endrin	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Endrin aldehyde	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Endrin ketone	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
gamma-BHC (Lindane)	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
gamma-Chlordane	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Heptachlor	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Heptachlor epoxide	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Methoxychlor	ND	0.22	mg/Kg-dry	20		06/28/12 05:25 PM
Toxaphene	ND	1.3	mg/Kg-dry	20		06/28/12 05:25 PM
<i>Surr: Decachlorobiphenyl</i>	60.1	45-135	%REC	20		06/28/12 05:25 PM
<i>Surr: Tetrachloro-m-xylene</i>	100	45-124	%REC	20		06/28/12 05:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS01-061312

Lab ID: 1206577-28

Collection Date: 06/13/12 04:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA						
Mercury	0.043		SW7471 0.021	mg/Kg-dry	1	Prep Date: 06/26/12 Analyst: LR 06/26/12 03:49 PM
METALS BY ICP-MS						
Aluminum	4,900		SW6020A 7.9	mg/Kg-dry	10	Prep Date: 06/26/12 Analyst: ML 06/27/12 08:16 PM
Antimony	ND <i>VJ</i>		4.0	mg/Kg-dry	10	06/27/12 08:16 PM
Arsenic	11 <i>J</i>		4.0	mg/Kg-dry	10	06/27/12 08:16 PM
Barium	280		4.0	mg/Kg-dry	10	06/27/12 08:16 PM
Beryllium	ND		1.6	mg/Kg-dry	10	06/27/12 08:16 PM
Boron	ND <i>VJ</i>		16	mg/Kg-dry	10	06/28/12 03:05 PM
Cadmium	2.4		1.6	mg/Kg-dry	10	06/27/12 08:16 PM
Calcium	7,100		400	mg/Kg-dry	10	06/27/12 08:16 PM
Chromium	24 <i>J</i>		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Cobalt	10 <i>J</i>		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Copper	50		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Iron	88,000		64	mg/Kg-dry	10	06/27/12 08:16 PM
Lead	100		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Magnesium	1,800 <i>J</i>		160	mg/Kg-dry	10	06/27/12 08:16 PM
Manganese	520		4.0	mg/Kg-dry	10	06/27/12 08:16 PM
Nickel	34		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Potassium	320 <i>J</i>		160	mg/Kg-dry	10	06/27/12 08:16 PM
Selenium	ND <i>VJ</i>		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Silver	ND <i>VJ</i>		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Sodium	ND		160	mg/Kg-dry	10	06/27/12 08:16 PM
Thallium	ND <i>VJ</i>		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Vanadium	7.9 <i>J</i>		0.79	mg/Kg-dry	2	06/27/12 06:48 AM
Zinc	630		7.9	mg/Kg-dry	10	06/27/12 08:16 PM
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,1'-Biphenyl	ND		SW8270 0.38	mg/Kg-dry	1	Prep Date: 06/25/12 Analyst: RM 06/27/12 05:54 PM
2,4,5-Trichlorophenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
2,4,6-Trichlorophenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
2,4-Dichlorophenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
2,4-Dinitrophenol	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
2,4-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
2,6-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
2-Chloronaphthalene	ND		0.091	mg/Kg-dry	1	06/27/12 05:54 PM
2-Chlorophenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
2-Methylnaphthalene	ND		0.091	mg/Kg-dry	1	06/27/12 05:54 PM
2-Methylphenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

11/10/12

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS01-061312

Lab ID: 1206577-28

Collection Date: 06/13/12 04:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
2-Nitrophenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
3,3'-Dichlorobenzidine	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
3-Nitroaniline	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
4,6-Dinitro-2-methylphenol	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
4-Bromophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
4-Chloro-3-methylphenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
4-Chloroaniline	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
4-Chlorophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
4-Methylphenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
4-Nitroaniline	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
4-Nitrophenol	ND		0.75	mg/Kg-dry	1	06/27/12 05:54 PM
Acenaphthene	ND		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Acenaphthylene	0.043		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Anthracene	ND		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Atrazine	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Benzaldehyde	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Benzo(a)anthracene	0.034		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Benzo(a)pyrene	0.083		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Benzo(b)fluoranthene	0.20		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Benzo(g,h,i)perylene	0.044		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Benzo(k)fluoranthene	0.15		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Bis(2-chloroethoxy)methane	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Bis(2-chloroethyl)ether	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Bis(2-chloroisopropyl)ether	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Bis(2-ethylhexyl)phthalate	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Butyl benzyl phthalate	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Caprolactam	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Carbazole	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Chrysene	0.22		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Dibenzo(a,h)anthracene	ND		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Dibenzofuran	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Di-n-butyl phthalate	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Di-n-octyl phthalate	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Fluoranthene	0.51		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Fluorene	ND		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Hexachlorobenzene	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS01-061312

Lab ID: 1206577-28

Collection Date: 06/13/12 04:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Hexachloroethane	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Indeno(1,2,3-cd)pyrene	0.052		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Isophorone	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Naphthalene	ND		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Nitrobenzene	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
N-Nitrosodi-n-propylamine	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
N-Nitrosodiphenylamine	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Pentachlorophenol	ND		0.38	mg/Kg-dry	1	06/27/12 05:54 PM
Phenanthrene	0.56		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Phenol	ND		0.18	mg/Kg-dry	1	06/27/12 05:54 PM
Pyrene	0.34		0.034	mg/Kg-dry	1	06/27/12 05:54 PM
Sur: 2,4,6-Tribromophenol	90.8		34-140	%REC	1	06/27/12 05:54 PM
Sur: 2-Fluorobiphenyl	67.0		12-100	%REC	1	06/27/12 05:54 PM
Sur: 2-Fluorophenol	75.0		33-117	%REC	1	06/27/12 05:54 PM
Sur: 4-Terphenyl-d14	71.4		25-137	%REC	1	06/27/12 05:54 PM
Sur: Nitrobenzene-d5	61.1		37-107	%REC	1	06/27/12 05:54 PM
Sur: Phenol-d6	76.9		40-106	%REC	1	06/27/12 05:54 PM
VOLATILE ORGANIC COMPOUNDS			SW8260	Prep Date: 06/20/12	Analyst: RS	
1,1,1-Trichloroethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,1,2,2-Tetrachloroethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,1,2-Trichloroethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,1,2-Trichlorotrifluoroethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,1-Dichloroethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,1-Dichloroethene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,2,4-Trichlorobenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,2-Dibromo-3-chloropropane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,2-Dibromoethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,2-Dichlorobenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,2-Dichloroethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,2-Dichloropropane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,3-Dichlorobenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
1,4-Dichlorobenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
2-Butanone	ND		0.30	mg/Kg-dry	1	06/20/12 08:14 PM
2-Hexanone	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
4-Methyl-2-pentanone	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Acetone	0.33	<i>v</i>	0.15	mg/Kg-dry	1	06/20/12 08:14 PM
Benzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Bromodichloromethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

2/6/12

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS01-061312
Collection Date: 06/13/12 04:50 PM

Work Order: 1206577
Lab ID: 1206577-28
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Bromomethane	ND		0.11	mg/Kg-dry	1	06/20/12 08:14 PM
Carbon disulfide	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Carbon tetrachloride	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Chlorobenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Chloroethane	ND		0.15	mg/Kg-dry	1	06/20/12 08:14 PM
Chloroform	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Chloromethane	ND		0.15	mg/Kg-dry	1	06/20/12 08:14 PM
cis-1,2-Dichloroethene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
cis-1,3-Dichloropropene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Cyclohexane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Dibromochloromethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Dichlorodifluoromethane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Ethylbenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Isopropylbenzene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Methyl acetate	0.70	U	0.61	mg/Kg-dry	1	06/20/12 08:14 PM
Methyl tert-butyl ether	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Methylcyclohexane	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Methylene chloride	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Styrene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Tetrachloroethene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Toluene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
trans-1,2-Dichloroethene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
trans-1,3-Dichloropropene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Trichloroethene	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Trichlorofluoromethane	ND	U	0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Vinyl chloride	ND		0.045	mg/Kg-dry	1	06/20/12 08:14 PM
Xylenes, Total	ND		0.14	mg/Kg-dry	1	06/20/12 08:14 PM
Surr: 1,2-Dichloroethane-d4	96.6		70-130	%REC	1	06/20/12 08:14 PM
Surr: 4-Bromofluorobenzene	87.8		70-130	%REC	1	06/20/12 08:14 PM
Surr: Dibromofluoromethane	94.8		70-130	%REC	1	06/20/12 08:14 PM
Surr: Toluene-d8	99.6		70-130	%REC	1	06/20/12 08:14 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 06/25/12	Analyst: MB
Chromium, Hexavalent	ND	U	0.57	mg/Kg-dry	1	06/27/12 04:00 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	12		0.050	% of sample	1	06/18/12 06:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

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7/16/12

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS02-061312
Collection Date: 06/13/12 05:00 PM

Work Order: 1206577
Lab ID: 1206577-29
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES						
2,4,5-T	ND	0.0055	mg/Kg-dry	1	06/22/12 08:04 PM	
2,4,5-TP (Silvex)	ND	0.011	mg/Kg-dry	1	06/22/12 08:04 PM	
2,4-D	ND	0.0055	mg/Kg-dry	1	06/22/12 08:04 PM	
<i>Surr: DCAA</i>	109	30-150	%REC	1	06/22/12 08:04 PM	
PCBS						
Aroclor 1016	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
Aroclor 1221	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
Aroclor 1232	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
Aroclor 1242	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
Aroclor 1248	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
Aroclor 1254	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
Aroclor 1260	ND	0.042	mg/Kg-dry	1	06/26/12 03:41 AM	
<i>Surr: Decachlorobiphenyl</i>	91.1	40-140	%REC	1	06/26/12 03:41 AM	
PESTICIDES						
4,4'-DDD	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
4,4'-DDE	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
4,4'-DDT	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Aldrin	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
alpha-BHC	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
alpha-Chlordane	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
beta-BHC	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Chlordane, Technical	ND	0.053	mg/Kg-dry	2	06/28/12 06:10 PM	
delta-BHC	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Dieldrin	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Endosulfan I	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Endosulfan II	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Endosulfan sulfate	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Endrin	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Endrin aldehyde	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Endrin ketone	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
gamma-BHC (Lindane)	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
gamma-Chlordane	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Heptachlor	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Heptachlor epoxide	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Methoxychlor	ND	0.021	mg/Kg-dry	2	06/28/12 06:10 PM	
Toxaphene	ND	0.13	mg/Kg-dry	2	06/28/12 06:10 PM	
<i>Surr: Decachlorobiphenyl</i>	96.1	45-135	%REC	2	06/28/12 06:10 PM	
<i>Surr: Tetrachloro-m-xylene</i>	104	45-124	%REC	2	06/28/12 06:10 PM	

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS02-061312
Collection Date: 06/13/12 05:00 PM

Work Order: 1206577
Lab ID: 1206577-29
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			SW7471			
Mercury	0.030		0.021	mg/Kg-dry	1	Prep Date: 06/27/12 Analyst: LR 06/28/12 12:43 PM
METALS BY ICP-MS			SW6020A			
Aluminum	6,800		8.4	mg/Kg-dry	10	Prep Date: 06/26/12 Analyst: ML 06/27/12 08:47 PM
Antimony	ND		4.2	mg/Kg-dry	10	06/27/12 08:47 PM
Arsenic	ND		4.2	mg/Kg-dry	10	06/27/12 08:47 PM
Barium	30		4.2	mg/Kg-dry	10	06/27/12 08:47 PM
Beryllium	ND		1.7	mg/Kg-dry	10	06/27/12 08:47 PM
Boron	ND		17	mg/Kg-dry	10	06/28/12 03:35 PM
Cadmium	ND		1.7	mg/Kg-dry	10	06/27/12 08:47 PM
Calcium	510		420	mg/Kg-dry	10	06/27/12 08:47 PM
Chromium	5.4		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Cobalt	2.5		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Copper	4.1		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Iron	7,200		13	mg/Kg-dry	2	06/27/12 07:19 AM
Lead	11		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Magnesium	770		170	mg/Kg-dry	10	06/27/12 08:47 PM
Manganese	190		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Nickel	5.9		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Potassium	290		170	mg/Kg-dry	10	06/27/12 08:47 PM
Selenium	ND		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Silver	ND		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Sodium	ND		170	mg/Kg-dry	10	06/27/12 08:47 PM
Thallium	ND		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Vanadium	9.1		0.84	mg/Kg-dry	2	06/27/12 07:19 AM
Zinc	38		1.7	mg/Kg-dry	2	06/27/12 07:19 AM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270			
1,1'-Biphenyl	ND		0.36	mg/Kg-dry	1	Prep Date: 06/25/12 Analyst: RM 06/26/12 04:11 PM
2,4,5-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
2,4,6-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
2,4-Dichlorophenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
2,4-Dimethylphenol	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
2,4-Dinitrophenol	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
2,4-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
2,6-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
2-Chloronaphthalene	ND		0.087	mg/Kg-dry	1	06/26/12 04:11 PM
2-Chlorophenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
2-Methylnaphthalene	ND		0.087	mg/Kg-dry	1	06/26/12 04:11 PM
2-Methylphenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS02-061312

Lab ID: 1206577-29

Collection Date: 06/13/12 05:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
2-Nitrophenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
3,3'-Dichlorobenzidine	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
3-Nitroaniline	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
4,6-Dinitro-2-methylphenol	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
4-Bromophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
4-Chloro-3-methylphenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
4-Chloroaniline	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
4-Chlorophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
4-Methylphenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
4-Nitroaniline	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
4-Nitrophenol	ND		0.72	mg/Kg-dry	1	06/26/12 04:11 PM
Acenaphthene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Acenaphthylene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Acetophenone	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Anthracene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Atrazine	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Benzaldehyde	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Benzo(a)anthracene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Benzo(a)pyrene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Benzo(b)fluoranthene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Benzo(g,h,i)perylene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Benzo(k)fluoranthene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Bis(2-chloroethoxy)methane	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Bis(2-chloroethyl)ether	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Bis(2-chloroisopropyl)ether	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Bis(2-ethylhexyl)phthalate	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Butyl benzyl phthalate	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Caprolactam	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Carbazole	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Chrysene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Dibenzo(a,h)anthracene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Dibenzofuran	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Diethyl phthalate	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Dimethyl phthalate	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Di-n-butyl phthalate	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Di-n-octyl phthalate	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Fluoranthene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Fluorene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Hexachlorobenzene	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS02-061312

Lab ID: 1206577-29

Collection Date: 06/13/12 05:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Hexachlorocyclopentadiene	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Hexachloroethane	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Indeno(1,2,3-cd)pyrene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Isophorone	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Naphthalene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Nitrobenzene	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
N-Nitrosodi-n-propylamine	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
N-Nitrosodiphenylamine	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Pentachlorophenol	ND		0.36	mg/Kg-dry	1	06/26/12 04:11 PM
Phenanthrene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Phenol	ND		0.17	mg/Kg-dry	1	06/26/12 04:11 PM
Pyrene	ND		0.033	mg/Kg-dry	1	06/26/12 04:11 PM
Surr: 2,4,6-Tribromophenol	82.9		34-140	%REC	1	06/26/12 04:11 PM
Surr: 2-Fluorobiphenyl	62.4		12-100	%REC	1	06/26/12 04:11 PM
Surr: 2-Fluorophenol	72.8		33-117	%REC	1	06/26/12 04:11 PM
Surr: 4-Terphenyl-d14	68.5		25-137	%REC	1	06/26/12 04:11 PM
Surr: Nitrobenzene-d5	60.4		37-107	%REC	1	06/26/12 04:11 PM
Surr: Phenol-d6	73.3		40-106	%REC	1	06/26/12 04:11 PM
VOLATILE ORGANIC COMPOUNDS			SW8260	Prep Date: 06/20/12	Analyst: RS	
1,1,1-Trichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,1,2,2-Tetrachloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,1,2-Trichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,1,2-Trichlorotrifluoroethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,1-Dichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,1-Dichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,2,4-Trichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,2-Dibromo-3-chloropropane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,2-Dibromoethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,2-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,2-Dichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,2-Dichloropropane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,3-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
1,4-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
2-Butanone	ND		0.27	mg/Kg-dry	1	06/21/12 02:37 PM
2-Hexanone	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
4-Methyl-2-pentanone	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Acetone	0.15	U	0.14	mg/Kg-dry	1	06/21/12 02:37 PM
Benzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Bromodichloromethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

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7/6/12

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS02-061312
Collection Date: 06/13/12 05:00 PM

Work Order: 1206577
Lab ID: 1206577-29
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Bromomethane	ND		0.10	mg/Kg-dry	1	06/21/12 02:37 PM
Carbon disulfide	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Carbon tetrachloride	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Chlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Chloroethane	ND		0.14	mg/Kg-dry	1	06/21/12 02:37 PM
Chloroform	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Chloromethane	ND		0.14	mg/Kg-dry	1	06/21/12 02:37 PM
cis-1,2-Dichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
cis-1,3-Dichloropropene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Cyclohexane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Dibromochloromethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Dichlorodifluoromethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Ethylbenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Isopropylbenzene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Methyl acetate	ND		0.55	mg/Kg-dry	1	06/21/12 02:37 PM
Methyl tert-butyl ether	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Methylcyclohexane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Methylene chloride	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Styrene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Tetrachloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Toluene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
trans-1,2-Dichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
trans-1,3-Dichloropropene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Trichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Trichlorofluoromethane	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Vinyl chloride	ND		0.041	mg/Kg-dry	1	06/21/12 02:37 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	06/21/12 02:37 PM
Surr: 1,2-Dichloroethane-d4	94.0		70-130	%REC	1	06/21/12 02:37 PM
Surr: 4-Bromofluorobenzene	87.8		70-130	%REC	1	06/21/12 02:37 PM
Surr: Dibromofluoromethane	93.8		70-130	%REC	1	06/21/12 02:37 PM
Surr: Toluene-d8	101		70-130	%REC	1	06/21/12 02:37 PM
CHROMIUM, HEXAVALENT						
Chromium, Hexavalent	ND		SW7196A		Prep Date: 06/25/12	Analyst: MB
			0.55	mg/Kg-dry	1	06/27/12 04:00 PM
MOISTURE						
Moisture	9.2		A2540 G			Analyst: CG
			0.050	% of sample	1	06/18/12 06:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS03-061312

Lab ID: 1206577-30

Collection Date: 06/13/12 05:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES			SW8151			
2,4,5-T	ND		0.0052	mg/Kg-dry	1	06/22/12 08:12 PM
2,4,5-TP (Silvex)	ND		0.010	mg/Kg-dry	1	06/22/12 08:12 PM
2,4-D	ND		0.0052	mg/Kg-dry	1	06/22/12 08:12 PM
<i>Surr: DCAA</i>	99.8		30-150	%REC	1	06/22/12 08:12 PM
PCBS			SW8082			
Aroclor 1016	ND		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
Aroclor 1221	ND		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
Aroclor 1232	ND		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
Aroclor 1242	ND		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
Aroclor 1248	ND		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
Aroclor 1254	0.16		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
Aroclor 1260	ND		0.042	mg/Kg-dry	1	06/26/12 04:01 AM
<i>Surr: Decachlorobiphenyl</i>	90.1		40-140	%REC	1	06/26/12 04:01 AM
PESTICIDES			SW8081			
4,4'-DDD	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
4,4'-DDE	0.047		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
4,4'-DDT	0.053		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Aldrin	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
alpha-BHC	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
alpha-Chlordane	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
beta-BHC	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Chlordane, Technical	ND		0.053	mg/Kg-dry	2	06/28/12 06:24 PM
delta-BHC	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Dieldrin	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Endosulfan I	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Endosulfan II	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Endosulfan sulfate	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Endrin	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Endrin aldehyde	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Endrin ketone	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
gamma-BHC (Lindane)	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
gamma-Chlordane	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Heptachlor	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Heptachlor epoxide	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Methoxychlor	ND		0.021	mg/Kg-dry	2	06/28/12 06:24 PM
Toxaphene	ND		0.13	mg/Kg-dry	2	06/28/12 06:24 PM
<i>Surr: Decachlorobiphenyl</i>	92.1		45-135	%REC	2	06/28/12 06:24 PM
<i>Surr: Tetrachloro-m-xylene</i>	106		45-124	%REC	2	06/28/12 06:24 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS03-061312

Lab ID: 1206577-30

Collection Date: 06/13/12 05:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			SW7471			
Mercury	0.039		0.020	mg/Kg-dry	1	Prep Date: 06/27/12 Analyst: LR 06/28/12 12:45 PM
METALS BY ICP-MS			SW6020A			
Aluminum	5,300		7.6	mg/Kg-dry	10	Prep Date: 06/26/12 Analyst: ML 06/27/12 08:53 PM
Antimony	11		3.8	mg/Kg-dry	10	06/27/12 08:53 PM
Arsenic	ND		3.8	mg/Kg-dry	10	06/27/12 08:53 PM
Barium	140		3.8	mg/Kg-dry	10	06/27/12 08:53 PM
Beryllium	ND		1.5	mg/Kg-dry	10	06/27/12 08:53 PM
Boron	ND		15	mg/Kg-dry	10	06/28/12 03:42 PM
Cadmium	4.5		1.5	mg/Kg-dry	10	06/27/12 08:53 PM
Calcium	1,200		380	mg/Kg-dry	10	06/27/12 08:53 PM
Chromium	78		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Cobalt	6.0		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Copper	16		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Iron	15,000		12	mg/Kg-dry	2	06/27/12 07:25 AM
Lead	930		3.8	mg/Kg-dry	10	06/27/12 08:53 PM
Magnesium	870		150	mg/Kg-dry	10	06/27/12 08:53 PM
Manganese	300		3.8	mg/Kg-dry	10	06/27/12 08:53 PM
Nickel	16		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Potassium	390		150	mg/Kg-dry	10	06/27/12 08:53 PM
Selenium	1.1		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Silver	ND		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Sodium	ND		150	mg/Kg-dry	10	06/27/12 08:53 PM
Thallium	ND		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Vanadium	6.8		0.76	mg/Kg-dry	2	06/27/12 07:25 AM
Zinc	240		1.5	mg/Kg-dry	2	06/27/12 07:25 AM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270			
1,1'-Biphenyl	ND		0.34	mg/Kg-dry	1	Prep Date: 06/25/12 Analyst: RM 06/27/12 07:16 PM
2,4,5-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
2,4,6-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
2,4-Dichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
2,4-Dimethylphenol	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
2,4-Dinitrophenol	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
2,4-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
2,6-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
2-Chloronaphthalene	ND		0.083	mg/Kg-dry	1	06/27/12 07:16 PM
2-Chlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
2-Methylnaphthalene	ND		0.083	mg/Kg-dry	1	06/27/12 07:16 PM
2-Methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS03-061312
Collection Date: 06/13/12 05:10 PM

Work Order: 1206577
Lab ID: 1206577-30
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
2-Nitrophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
3,3'-Dichlorobenzidine	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
3-Nitroaniline	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
4,6-Dinitro-2-methylphenol	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
4-Bromophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
4-Chloro-3-methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
4-Chloroaniline	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
4-Chlorophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
4-Methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
4-Nitroaniline	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
4-Nitrophenol	ND		0.69	mg/Kg-dry	1	06/27/12 07:16 PM
Acenaphthene	ND		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Acenaphthylene	ND		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Acetophenone	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Anthracene	ND		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Atrazine	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Benzaldehyde	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Benzo(a)anthracene	0.033		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Benzo(a)pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 05:59 PM
Benzo(b)fluoranthene	ND		0.16	mg/Kg-dry	5	06/26/12 05:59 PM
Benzo(g,h,i)perylene	ND		0.16	mg/Kg-dry	5	06/26/12 05:59 PM
Benzo(k)fluoranthene	ND		0.16	mg/Kg-dry	5	06/26/12 05:59 PM
Bis(2-chloroethoxy)methane	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Bis(2-chloroethyl)ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Bis(2-chloroisopropyl)ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Bis(2-ethylhexyl)phthalate	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Butyl benzyl phthalate	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Caprolactam	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Carbazole	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Chrysene	0.049		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Dibenzo(a,h)anthracene	ND		0.16	mg/Kg-dry	5	06/26/12 05:59 PM
Dibenzofuran	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Diethyl phthalate	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Dimethyl phthalate	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Di-n-butyl phthalate	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Di-n-octyl phthalate	ND		0.83	mg/Kg-dry	5	06/26/12 05:59 PM
Fluoranthene	0.057		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Fluorene	ND		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Hexachlorobenzene	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS03-061312

Lab ID: 1206577-30

Collection Date: 06/13/12 05:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Hexachlorocyclopentadiene	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Hexachloroethane	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Indeno(1,2,3-cd)pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 05:59 PM
Isophorone	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Naphthalene	ND		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Nitrobenzene	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
N-Nitrosodi-n-propylamine	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
N-Nitrosodiphenylamine	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Pentachlorophenol	ND		0.34	mg/Kg-dry	1	06/27/12 07:16 PM
Phenanthrene	0.039		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
Phenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:16 PM
Pyrene	0.056		0.031	mg/Kg-dry	1	06/27/12 07:16 PM
<i>Surr: 2,4,6-Tribromophenol</i>	66.3		34-140	%REC	1	06/27/12 07:16 PM
<i>Surr: 2-Fluorobiphenyl</i>	47.2		12-100	%REC	1	06/27/12 07:16 PM
<i>Surr: 2-Fluorophenol</i>	50.1		33-117	%REC	1	06/27/12 07:16 PM
<i>Surr: 4-Terphenyl-d14</i>	55.6		25-137	%REC	1	06/27/12 07:16 PM
<i>Surr: Nitrobenzene-d5</i>	41.0		37-107	%REC	1	06/27/12 07:16 PM
<i>Surr: Phenol-d6</i>	51.9		40-106	%REC	1	06/27/12 07:16 PM
VOLATILE ORGANIC COMPOUNDS			SW8260	Prep Date: 06/20/12	Analyst: RS	
1,1,1-Trichloroethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,1,2,2-Tetrachloroethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,1,2-Trichloroethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,1,2-Trichlorotrifluoroethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,1-Dichloroethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,1-Dichloroethene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,2,4-Trichlorobenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,2-Dibromo-3-chloropropane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,2-Dibromoethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,2-Dichlorobenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,2-Dichloroethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,2-Dichloropropane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,3-Dichlorobenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
1,4-Dichlorobenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
2-Hexanone	ND		0.31	mg/Kg-dry	1	06/21/12 05:09 PM
4-Methyl-2-pentanone	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Acetone	0.18	U	0.16	mg/Kg-dry	1	06/21/12 05:09 PM
Benzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Bromodichloromethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

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ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS03-061312

Lab ID: 1206577-30

Collection Date: 06/13/12 05:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Bromomethane	ND		0.12	mg/Kg-dry	1	06/21/12 05:09 PM
Carbon disulfide	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Carbon tetrachloride	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Chlorobenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Chloroethane	ND		0.16	mg/Kg-dry	1	06/21/12 05:09 PM
Chloroform	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Chloromethane	ND		0.16	mg/Kg-dry	1	06/21/12 05:09 PM
cis-1,2-Dichloroethene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
cis-1,3-Dichloropropene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Cyclohexane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Dibromochloromethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Dichlorodifluoromethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Ethylbenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Isopropylbenzene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Methyl acetate	ND		0.62	mg/Kg-dry	1	06/21/12 05:09 PM
Methyl tert-butyl ether	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Methylcyclohexane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Methylene chloride	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Styrene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Tetrachloroethene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Toluene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
trans-1,2-Dichloroethene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
trans-1,3-Dichloropropene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Trichloroethene	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Trichlorofluoromethane	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Vinyl chloride	ND		0.047	mg/Kg-dry	1	06/21/12 05:09 PM
Xylenes, Total	ND		0.14	mg/Kg-dry	1	06/21/12 05:09 PM
Sur: 1,2-Dichloroethane-d4	93.0		70-130	%REC	1	06/21/12 05:09 PM
Sur: 4-Bromofluorobenzene	96.9		70-130	%REC	1	06/21/12 05:09 PM
Sur: Dibromofluoromethane	90.8		70-130	%REC	1	06/21/12 05:09 PM
Sur: Toluene-d8	101		70-130	%REC	1	06/21/12 05:09 PM
CHROMIUM, HEXAVALENT				SW7196A	Prep Date: 06/25/12	Analyst: MB
Chromium, Hexavalent	ND		0.53	mg/Kg-dry	1	06/27/12 04:00 PM
MOISTURE				A2540 G		Analyst: CG
Moisture	6.6		0.050	% of sample	1	06/18/12 06:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS-061312-DUP
Collection Date: 06/13/12 05:10 PM
Work Order: 1206577
Lab ID: 1206577-31
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES						
2,4,5-T	ND		0.0052	mg/Kg-dry	1	06/22/12 08:21 PM
2,4,5-TP (Silvex)	ND		0.010	mg/Kg-dry	1	06/22/12 08:21 PM
2,4-D	ND		0.0052	mg/Kg-dry	1	06/22/12 08:21 PM
<i>Surr: DCAA</i>	98.6		30-150	%REC	1	06/22/12 08:21 PM
PCBS						
Aroclor 1016	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
Aroclor 1221	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
Aroclor 1232	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
Aroclor 1242	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
Aroclor 1248	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
Aroclor 1254	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
Aroclor 1260	ND		0.041	mg/Kg-dry	1	06/26/12 04:21 AM
<i>Surr: Decachlorobiphenyl</i>	91.1		40-140	%REC	1	06/26/12 04:21 AM
PESTICIDES						
4,4'-DDD	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
4,4'-DDE	0.047		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
4,4'-DDT	0.042		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Aldrin	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
alpha-BHC	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
alpha-Chlordane	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
beta-BHC	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Chlordane, Technical	ND		0.052	mg/Kg-dry	2	06/28/12 06:39 PM
delta-BHC	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Dieldrin	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Endosulfan I	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Endosulfan II	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Endosulfan sulfate	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Endrin	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Endrin aldehyde	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Endrin ketone	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
gamma-BHC (Lindane)	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
gamma-Chlordane	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Heptachlor	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Heptachlor epoxide	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Methoxychlor	ND		0.021	mg/Kg-dry	2	06/28/12 06:39 PM
Toxaphene	ND		0.12	mg/Kg-dry	2	06/28/12 06:39 PM
<i>Surr: Decachlorobiphenyl</i>	94.1		45-135	%REC	2	06/28/12 06:39 PM
<i>Surr: Tetrachloro-m-xylene</i>	108		45-124	%REC	2	06/28/12 06:39 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS-061312-DUP
Collection Date: 06/13/12 05:10 PM

Work Order: 1206577
Lab ID: 1206577-31
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			SW7471			
Mercury	0.037		0.020	mg/Kg-dry	1	06/27/12 12:47 PM
METALS BY ICP-MS			SW6020A			
Aluminum	5,400		7.9	mg/Kg-dry	10	06/27/12 08:59 PM
Antimony	14		4.0	mg/Kg-dry	10	06/27/12 08:59 PM
Arsenic	ND		4.0	mg/Kg-dry	10	06/27/12 08:59 PM
Barium	150		4.0	mg/Kg-dry	10	06/27/12 08:59 PM
Beryllium	ND		1.6	mg/Kg-dry	10	06/27/12 08:59 PM
Boron	ND		16	mg/Kg-dry	10	06/28/12 04:00 PM
Cadmium	4.8		1.6	mg/Kg-dry	10	06/27/12 08:59 PM
Calcium	1,200		400	mg/Kg-dry	10	06/27/12 08:59 PM
Chromium	130		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Cobalt	7.6		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Copper	23		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Iron	24,000		13	mg/Kg-dry	2	06/27/12 07:32 AM
Lead	1,100		4.0	mg/Kg-dry	10	06/27/12 08:59 PM
Magnesium	890		160	mg/Kg-dry	10	06/27/12 08:59 PM
Manganese	370		4.0	mg/Kg-dry	10	06/27/12 08:59 PM
Nickel	19		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Potassium	410		160	mg/Kg-dry	10	06/27/12 08:59 PM
Selenium	0.94		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Silver	ND		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Sodium	ND		160	mg/Kg-dry	10	06/27/12 08:59 PM
Thallium	ND		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Vanadium	9.2		0.79	mg/Kg-dry	2	06/27/12 07:32 AM
Zinc	250		1.6	mg/Kg-dry	2	06/27/12 07:32 AM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270			
1,1'-Biphenyl	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
2,4,5-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
2,4,6-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
2,4-Dichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
2,4-Dimethylphenol	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
2,4-Dinitrophenol	ND		0.71	mg/Kg-dry	1	06/27/12 07:43 PM
2,4-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
2,6-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
2-Chloronaphthalene	ND		0.086	mg/Kg-dry	1	06/27/12 07:43 PM
2-Chlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
2-Methylnaphthalene	ND		0.086	mg/Kg-dry	1	06/27/12 07:43 PM
2-Methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS-061312-DUP

Lab ID: 1206577-31

Collection Date: 06/13/12 05:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 07:43 PM
2-Nitrophenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
3,3'-Dichlorobenzidine	ND		3.5	mg/Kg-dry	5	06/26/12 06:26 PM
3-Nitroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 07:43 PM
4,6-Dinitro-2-methylphenol	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
4-Bromophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
4-Chloro-3-methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
4-Chloroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 07:43 PM
4-Chlorophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
4-Methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
4-Nitroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 07:43 PM
4-Nitrophenol	ND		0.71	mg/Kg-dry	1	06/27/12 07:43 PM
Acenaphthene	ND		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Acenaphthylene	ND		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Acetophenone	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Anthracene	ND		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Atrazine	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Benzaldehyde	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Benzo(a)anthracene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Benzo(a)pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Benzo(b)fluoranthene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Benzo(g,h,i)perylene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Benzo(k)fluoranthene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Bis(2-chloroethoxy)methane	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Bis(2-chloroethyl)ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Bis(2-chloroisopropyl)ether	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Bis(2-ethylhexyl)phthalate	23		7.1	mg/Kg-dry	20	06/27/12 11:58 AM
Butyl benzyl phthalate	ND		0.86	mg/Kg-dry	5	06/26/12 06:26 PM
Caprolactam	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Carbazole	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Chrysene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Dibenzo(a,h)anthracene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Dibenzofuran	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Diethyl phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Dimethyl phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Di-n-butyl phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Di-n-octyl phthalate	ND		0.86	mg/Kg-dry	5	06/26/12 06:26 PM
Fluoranthene	0.093		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Fluorene	ND		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Hexachlorobenzene	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS-061312-DUP
Collection Date: 06/13/12 05:10 PM

Work Order: 1206577
Lab ID: 1206577-31
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Hexachlorocyclopentadiene	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Hexachloroethane	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Indeno(1,2,3-cd)pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
Isophorone	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Naphthalene	0.068		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Nitrobenzene	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
N-Nitrosodi-n-propylamine	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
N-Nitrosodiphenylamine	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Pentachlorophenol	ND		0.35	mg/Kg-dry	1	06/27/12 07:43 PM
Phenanthrene	0.10		0.032	mg/Kg-dry	1	06/27/12 07:43 PM
Phenol	ND		0.17	mg/Kg-dry	1	06/27/12 07:43 PM
Pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 06:26 PM
<i>Surr: 2,4,6-Tribromophenol</i>	77.5		34-140	%REC	1	06/27/12 07:43 PM
<i>Surr: 2-Fluorobiphenyl</i>	56.6		12-100	%REC	1	06/27/12 07:43 PM
<i>Surr: 2-Fluorophenol</i>	62.4		33-117	%REC	1	06/27/12 07:43 PM
<i>Surr: 4-Terphenyl-d14</i>	190	S	25-137	%REC	1	06/27/12 07:43 PM
<i>Surr: Nitrobenzene-d5</i>	53.2		37-107	%REC	1	06/27/12 07:43 PM
<i>Surr: Phenol-d6</i>	62.6		40-106	%REC	1	06/27/12 07:43 PM
VOLATILE ORGANIC COMPOUNDS			SW8260	Prep Date: 06/20/12	Analyst: RS	
1,1,1-Trichloroethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,1,2,2-Tetrachloroethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,1,2-Trichloroethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,1,2-Trichlorotrifluoroethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,1-Dichloroethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,1-Dichloroethene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,2,4-Trichlorobenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,2-Dibromo-3-chloropropane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,2-Dibromoethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,2-Dichlorobenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,2-Dichloroethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,2-Dichloropropane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,3-Dichlorobenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
1,4-Dichlorobenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
2-Butanone	ND		0.29	mg/Kg-dry	1	06/21/12 05:34 PM
2-Hexanone	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
4-Methyl-2-pentanone	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Acetone	0.23		0.14	mg/Kg-dry	1	06/21/12 05:34 PM
Benzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Bromodichloromethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

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7/14/12

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00, E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS-061312-DUP

Lab ID: 1206577-31

Collection Date: 06/13/12 05:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Bromomethane	ND		0.11	mg/Kg-dry	1	06/21/12 05:34 PM
Carbon disulfide	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Carbon tetrachloride	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Chlorobenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Chloroethane	ND		0.14	mg/Kg-dry	1	06/21/12 05:34 PM
Chloroform	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Chloromethane	ND		0.14	mg/Kg-dry	1	06/21/12 05:34 PM
cis-1,2-Dichloroethene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
cis-1,3-Dichloropropene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Cyclohexane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Dibromochloromethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Dichlorodifluoromethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Ethylbenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Isopropylbenzene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Methyl acetate	ND		0.57	mg/Kg-dry	1	06/21/12 05:34 PM
Methyl tert-butyl ether	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Methylcyclohexane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Methylene chloride	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Styrene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Tetrachloroethene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Toluene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
trans-1,2-Dichloroethene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
trans-1,3-Dichloropropene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Trichloroethene	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Trichlorofluoromethane	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Vinyl chloride	ND		0.043	mg/Kg-dry	1	06/21/12 05:34 PM
Xylenes, Total	ND		0.13	mg/Kg-dry	1	06/21/12 05:34 PM
Surr: 1,2-Dichloroethane-d4	90.8		70-130	%REC	1	06/21/12 05:34 PM
Surr: 4-Bromofluorobenzene	92.3		70-130	%REC	1	06/21/12 05:34 PM
Surr: Dibromofluoromethane	90.2		70-130	%REC	1	06/21/12 05:34 PM
Surr: Toluene-d8	100		70-130	%REC	1	06/21/12 05:34 PM
CHROMIUM, HEXAVALENT						
Chromium, Hexavalent	ND		SW7196A	Prep Date: 06/25/12	Analyst: MB	06/27/12 04:00 PM
MOISTURE						
Moisture	7.0		A2540 G		Analyst: CG	06/18/12 06:09 PM
0.050			% of sample	1		

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS04-061312
Collection Date: 06/13/12 05:15 PM

Work Order: 1206577
Lab ID: 1206577-32
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES			SW8151			
2,4,5-T	ND	0.0054	mg/Kg-dry	1		06/22/12 08:29 PM
2,4,5-TP (Silvex)	ND	0.011	mg/Kg-dry	1		06/22/12 08:29 PM
2,4-D	ND	0.0054	mg/Kg-dry	1		06/22/12 08:29 PM
Surr: DCAA	98.4	30-150	%REC	1		06/22/12 08:29 PM
PCBS			SW8082			
Aroclor 1016	ND	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Aroclor 1221	ND	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Aroclor 1232	ND	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Aroclor 1242	ND	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Aroclor 1248	ND	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Aroclor 1254	0.057	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Aroclor 1260	ND	0.041	mg/Kg-dry	1		06/26/12 04:41 AM
Surr: Decachlorobiphenyl	82.1	40-140	%REC	1		06/26/12 04:41 AM
PESTICIDES			SW8081			
4,4'-DDD	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
4,4'-DDE	0.029	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
4,4'-DDT	0.029	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Aldrin	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
alpha-BHC	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
alpha-Chlordane	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
beta-BHC	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Chlordane, Technical	ND	0.051	mg/Kg-dry	2		06/28/12 06:54 PM
delta-BHC	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Dieldrin	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Endosulfan I	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Endosulfan II	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Endosulfan sulfate	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Endrin	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Endrin aldehyde	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Endrin ketone	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
gamma-BHC (Lindane)	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
gamma-Chlordane	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Heptachlor	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Heptachlor epoxide	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Methoxychlor	ND	0.021	mg/Kg-dry	2		06/28/12 06:54 PM
Toxaphene	ND	0.12	mg/Kg-dry	2		06/28/12 06:54 PM
Surr: Decachlorobiphenyl	80.1	45-135	%REC	2		06/28/12 06:54 PM
Surr: Tetrachloro-m-xylene	94.1	45-124	%REC	2		06/28/12 06:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps **Work Order:** 1206577
Sample ID: SR-SS04-061312 **Lab ID:** 1206577-32
Collection Date: 06/13/12 05:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA						
Mercury	0.029		SW7471 0.020	mg/Kg-dry	1	Prep Date: 06/27/12 06/28/12 12:50 PM
METALS BY ICP-MS						
Aluminum	4,900		SW6020A 8.3	mg/Kg-dry	10	06/27/12 09:05 PM
Antimony	65		4.1	mg/Kg-dry	10	06/27/12 09:05 PM
Arsenic	ND		4.1	mg/Kg-dry	10	06/27/12 09:05 PM
Barium	2,300		17	mg/Kg-dry	40	06/27/12 09:11 PM
Beryllium	ND		1.7	mg/Kg-dry	10	06/27/12 09:05 PM
Boron	ND		17	mg/Kg-dry	10	06/28/12 04:06 PM
Cadmium	12		1.7	mg/Kg-dry	10	06/27/12 09:05 PM
Calcium	1,200		410	mg/Kg-dry	10	06/27/12 09:05 PM
Chromium	520		4.1	mg/Kg-dry	10	06/27/12 09:05 PM
Cobalt	12		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Copper	9.1		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Iron	9,300		13	mg/Kg-dry	2	06/27/12 07:38 AM
Lead	4,700		17	mg/Kg-dry	40	06/27/12 09:11 PM
Magnesium	820		170	mg/Kg-dry	10	06/27/12 09:05 PM
Manganese	200		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Nickel	7.5		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Potassium	350		170	mg/Kg-dry	10	06/27/12 09:05 PM
Selenium	1.7		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Silver	ND		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Sodium	ND		170	mg/Kg-dry	10	06/27/12 09:05 PM
Thallium	ND		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Vanadium	11		0.83	mg/Kg-dry	2	06/27/12 07:38 AM
Zinc	1,900		33	mg/Kg-dry	40	06/27/12 09:11 PM
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,1'-Biphenyl	ND		SW8270 0.35	mg/Kg-dry	1	Prep Date: 06/25/12 06/27/12 08:10 PM
2,4,5-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
2,4,6-Trichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
2,4-Dichlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
2,4-Dimethylphenol	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
2,4-Dinitrophenol	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
2,4-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
2,6-Dinitrotoluene	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
2-Chloronaphthalene	ND		0.085	mg/Kg-dry	1	06/27/12 08:10 PM
2-Chlorophenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
2-Methylnaphthalene	ND		0.085	mg/Kg-dry	1	06/27/12 08:10 PM
2-Methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS04-061312

Lab ID: 1206577-32

Collection Date: 06/13/12 05:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
2-Nitrophenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
3,3'-Dichlorobenzidine	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
3-Nitroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
4,6-Dinitro-2-methylphenol	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
4-Bromophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
4-Chloro-3-methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
4-Chloroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
4-Chlorophenyl phenyl ether	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
4-Methylphenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
4-Nitroaniline	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
4-Nitrophenol	ND		0.71	mg/Kg-dry	1	06/27/12 08:10 PM
Acenaphthene	ND		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Acenaphthylene	ND		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Acetophenone	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Anthracene	0.037		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Atrazine	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Benzaldehyde	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Benzo(a)anthracene	0.052		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Benzo(a)pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 06:53 PM
Benzo(b)fluoranthene	ND		0.16	mg/Kg-dry	5	06/26/12 06:53 PM
Benzo(g,h,i)perylene	ND		0.16	mg/Kg-dry	5	06/26/12 06:53 PM
Benzo(k)fluoranthene	ND		0.16	mg/Kg-dry	5	06/26/12 06:53 PM
Bis(2-chloroethoxy)methane	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Bis(2-chloroethyl)ether	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Bis(2-chloroisopropyl)ether	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Bis(2-ethylhexyl)phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Butyl benzyl phthalate	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Caprolactam	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Carbazole	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Chrysene	0.075		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Dibenzo(a,h)anthracene	ND		0.16	mg/Kg-dry	5	06/26/12 06:53 PM
Dibenzofuran	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Diethyl phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Dimethyl phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Di-n-butyl phthalate	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Di-n-octyl phthalate	ND		0.85	mg/Kg-dry	5	06/26/12 06:53 PM
Fluoranthene	0.13		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Fluorene	ND		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Hexachlorobenzene	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp
Date: 30-Jun-12
Client: Weston Solutions, Inc

Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps

Work Order: 1206577

Sample ID: SR-SS04-061312

Lab ID: 1206577-32

Collection Date: 06/13/12 05:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Hexachlorocyclopentadiene	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Hexachloroethane	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Indeno(1,2,3-cd)pyrene	ND		0.16	mg/Kg-dry	5	06/26/12 06:53 PM
Isophorone	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Naphthalene	ND		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Nitrobenzene	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
N-Nitrosodi-n-propylamine	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
N-Nitrosodiphenylamine	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Pentachlorophenol	ND		0.35	mg/Kg-dry	1	06/27/12 08:10 PM
Phenanthrene	0.16		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
Phenol	ND		0.17	mg/Kg-dry	1	06/27/12 08:10 PM
Pyrene	0.11		0.032	mg/Kg-dry	1	06/27/12 08:10 PM
<i>Sur: 2,4,6-Tribromophenol</i>	96.4		34-140	%REC	1	06/27/12 08:10 PM
<i>Sur: 2-Fluorobiphenyl</i>	70.4		12-100	%REC	1	06/27/12 08:10 PM
<i>Sur: 2-Fluorophenol</i>	78.4		33-117	%REC	1	06/27/12 08:10 PM
<i>Sur: 4-Terphenyl-d14</i>	88.1		25-137	%REC	1	06/27/12 08:10 PM
<i>Sur: Nitrobenzene-d5</i>	65.4		37-107	%REC	1	06/27/12 08:10 PM
<i>Sur: Phenol-d6</i>	80.6		40-106	%REC	1	06/27/12 08:10 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260		Prep Date: 06/20/12	Analyst: RS
1,1,1-Trichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,1,2,2-Tetrachloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,1,2-Trichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,1,2-Trichlorotrifluoroethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,1-Dichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,1-Dichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,2,4-Trichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,2-Dibromo-3-chloropropane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,2-Dibromoethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,2-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,2-Dichloroethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,2-Dichloropropane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,3-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
1,4-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
2-Butanone	ND		0.27	mg/Kg-dry	1	06/21/12 05:59 PM
2-Hexanone	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
4-Methyl-2-pentanone	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Acetone	0.18	<i>v</i>	0.14	mg/Kg-dry	1	06/21/12 05:59 PM
Benzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Bromodichloromethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

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ALS Group USA, Corp
Date: 30-Jun-12

Client: Weston Solutions, Inc
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps
Sample ID: SR-SS04-061312
Collection Date: 06/13/12 05:15 PM

Work Order: 1206577
Lab ID: 1206577-32
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Bromomethane	ND		0.10	mg/Kg-dry	1	06/21/12 05:59 PM
Carbon disulfide	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Carbon tetrachloride	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Chlorobenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Chloroethane	ND		0.14	mg/Kg-dry	1	06/21/12 05:59 PM
Chloroform	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Chloromethane	ND		0.14	mg/Kg-dry	1	06/21/12 05:59 PM
cis-1,2-Dichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
cis-1,3-Dichloropropene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Cyclohexane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Dibromochloromethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Dichlorodifluoromethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Ethylbenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Isopropylbenzene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Methyl acetate	ND		0.55	mg/Kg-dry	1	06/21/12 05:59 PM
Methyl tert-butyl ether	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Methylcyclohexane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Methylene chloride	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Styrene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Tetrachloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Toluene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
trans-1,2-Dichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
trans-1,3-Dichloropropene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Trichloroethene	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Trichlorofluoromethane	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Vinyl chloride	ND		0.041	mg/Kg-dry	1	06/21/12 05:59 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	06/21/12 05:59 PM
Sur: 1,2-Dichloroethane-d4	93.0		70-130	%REC	1	06/21/12 05:59 PM
Sur: 4-Bromofluorobenzene	87.5		70-130	%REC	1	06/21/12 05:59 PM
Sur: Dibromofluoromethane	91.5		70-130	%REC	1	06/21/12 05:59 PM
Sur: Toluene-d8	102		70-130	%REC	1	06/21/12 05:59 PM
CHROMIUM, HEXAVALENT				SW7196A	Prep Date: 06/25/12	Analyst: MB
Chromium, Hexavalent	61		2.7	mg/Kg-dry	5	06/27/12 04:00 PM
MOISTURE				A2540 G		Analyst: CG
Moisture	7.2		0.050	% of sample	1	06/18/12 06:09 PM

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