

## **APPENDIX A**

### **SITE ASSESSMENT REPORT FOR THE EASTERN SANDUSKY COUNTY DUMPS SITE CLYDE, SANDUSKY COUNTY, OHIO**

#### **AMERT LAGOON SITE**

County Road 213  
Clyde, Ohio 43410  
Latitude: 41.3013° North  
Longitude: -83.0001° West

June 29, 2012

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## ABBREVIATIONS AND ACRONYMS

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ALS	ALS Laboratory Group
AUL	Activity And Use Limitation
bgs	Below Ground Surface
CFR	Code of Federal Regulations
EDR	Environmental Data Resources, Inc.
EM	Electromagnetic
ft	Feet, Foot
GPR	Ground Penetrating Radar
HDPE	High-Density Polyethylene
MCL	Maximum Contaminant Level
NCP	National Contingency Plan
NGS	National Geochemical Survey
OSC	On-scene Coordinator
OSWER	Office of Solid Waste and Emergency Response
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
ppm	Parts Per Million
RCRA	Resource Conservation and Recovery Act
RSL	Regional Screening Level
START	Superfund Technical Assessment and Response Team
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leaching Procedure
USGS	United States Geological Survey
U.S. EPA	United States Environmental Protection Agency

## **1. SITE BACKGROUND**

This section discusses the Site description and history.

### **1.1 SITE DESCRIPTION**

The Amert Lagoon Site (Site) is located north of County Road 213, in Clyde, Ohio. The approximate geographical coordinates are latitude 41.3013° North and longitude -83.0001° West (**Figure A1**). The waste footprint on the Site encompasses approximately 7 acres, according to the Sandusky County Auditor's Tax Map (**Figure A2**). The Site is surrounded by private residences and agricultural land in a rural area less than 0.5 mile west of the City of Clyde. The Golembiowski Dump Site is located on the south-adjointing parcel to the Site.

### **1.2 SITE HISTORY**

#### **1.2.1 Ohio EPA Records Review**

According to historical documents obtained from the Ohio Environmental Protection Agency (Ohio EPA) and information provided during interviews with representatives of the Whirlpool Corporation (Whirlpool), wastewater treatment lagoon sludge from the Whirlpool Clyde Facility was disposed of at the Site. The wastewater sludge was placed on the ground surface. Subsurface disposal reportedly did not occur at the Site. According to information provided during interviews with representatives of the Whirlpool Corporation, the Amert Lagoon Site was closed in 1977 with the construction of a cap consisting of approximately 1 foot (ft) of clay overlain by 1 ft of sand. A groundwater interceptor drain was installed in 1978 along the south and east sides of the landfill. Monitoring wells were installed in 1989 in and around the perimeter of the disposal area to measure groundwater elevations. A summary of the historical documents obtained from Ohio EPA is provided in **Appendix A1**.

#### **1.2.2 U.S. EPA Records Review**

No records were obtained from the U.S. EPA for the Site.

### 1.2.3 Whirlpool Corporation Reports Review

Whirlpool provided two reports that detail investigations performed at the Site, as well as descriptions of historical activities at the Site. The Amert Site Investigation, IT Corporation, 1990, was also provided by the Ohio EPA and is included in the summary provided in Subsection 1.2.1. The Remedial Investigation Report, Golder Associates, June 2001, details the soil and groundwater sampling activities conducted prior to the removal action on the southern portion of the property, also known as the Golembiowski Dump Site.

### 1.2.4 Environmental Database Search

To supplement information obtained from Ohio EPA and Whirlpool, the following reports were obtained and reviewed from Environmental Data Resources, Inc. (EDR):

*Radius Map Report with GeoCheck* – An electronic search of the standard environmental record sources. This report contains certain information obtained from a variety of public and other sources reasonably available to EDR:

- *Aerial Photo Decade Package* – Historical aerial photographs were provided from a variety of sources reasonably available to EDR.
- *Historical Topographic Map Report* – Topographic maps were provided from a variety of sources reasonably available to EDR.
- *Certified Sanborn Map Report* – Sanborn maps were not available for the property.
- *City Directory Abstract* – City directories were not available to EDR for this parcel.
- *Building Permit Report* – Building permit data was not available to EDR for Clyde, Ohio.
- *Environmental Lien Search Report* – This report includes results from a search of currently available land title records for environmental cleanup liens and other activity and use limitations (AULs).
- *Property Tax Map Report* – Property tax maps were not available to EDR for this parcel.

Copies of the reports are provided in **Appendix A2**. Summaries of each of the standard environmental record source reviews are provided below.

### 1.2.4.1 Radius Map Report with GeoCheck

A total of four properties listed on various federal and state databases were located within a 1-mile radius of the Site:

Name	Address	Direction/Distance	Database
Whirlpool Corporation	119 Birdseye St.	ENE ½-1 (0.987 mi)	CORRACTS
Clyde Paint and Supply Company	435 W. Mulberry St.	E ½-1 (0.799 mi)	CORRACTS
Leach Disposal Site	CR-236	S 0-1/8 (0.110 mi)	DERR; HIST LF
Clyde Gas Company	Birdseye St. at RR	ENE ½-1 (0.977 mi)	TOWNGAS; Manufactured Gas Plants

Notes:

CORRACTS – Corrective Action Report, Federal Resource and Conservation Recovery Act (RCRA) facilities list  
 DERR – Division of Emergency and Remedial Response’s Database  
 HIST LF – Old Solid Waste Landfill list  
 TOWNGAS – DERR Towngas Database

An additional seven properties without complete address information were included in the EDR report. One property appeared to be within a 1-mile radius of the Site:

Name	Address	Direction/Distance	Database
Continental Estate Ltd.	1137 U.S. Highway 20	ENE ½-1 (1 mi)	LUST, UST

Notes:

LUST – Leaking Underground Storage Tank File  
 UST – Underground Storage Tank File

### 1.2.4.2 Aerial Photo Decade Package

The Site appears to be a farm field on the 1951 aerial photograph, and scattered wooded areas and orchards are visible to the west and south. The Site also appears to be a farm field on the 1960 and 1969 aerial photographs, but in the 1969 aerial photograph disturbed ground is evident at the adjacent Golembiowski Dump Site to the south. The 1977 aerial photograph shows a light-colored rectangular area encompassing most of the Site. The 1983, 1988, 1995, and 2000 aerial photographs show an open field at the Site, surrounded by wooded areas and fields. Residences are present at a distance of approximately 2,000 ft in all directions.

#### **1.2.4.3 Historical Topographic Map Report**

The 1903 topographic map shows the Site is located in a sparsely populated area between the cities of Fremont and Clyde. South Creek is approximately 1 mile west of the Site. The 1958, 1969, and 1980 topographic maps show a woodland area west and south of the Site, and orchards to the south. A small area of wetland is depicted on the adjacent Golembiowski Dump Site. The topographic map shows no evidence of a grade change on the Site.

#### **1.2.4.4 Certified Sanborn Map Report**

Sanborn maps were not available for the Site.

#### **1.2.4.5 City Directory Abstract**

City directories were not available for the Site.

#### **1.2.4.6 Building Permit Report**

Building permit data was not available for the Site.

#### **1.2.4.7 Environmental Lien Search Report**

One deed was located for the Site, which was recorded on March 18, 1991. The title is vested in Whirlpool Corporation, and was received from David C. Amert. No environmental liens or other AULs were located for the Site.

#### **1.2.4.8 Property Tax Map Report**

Property tax maps were not available for the Site.



## 2. SITE ASSESSMENT ACTIVITIES

On February 13, 2012, the U.S. EPA On-Scene Coordinators (OSCs) and the WESTON Superfund Technical Assessment and Response Team (START) mobilized to the area to begin field work at the former dump sites. A geophysical survey was conducted first, and the preliminary data was used to adjust the locations of the soil borings proposed at each site. At the Amert Lagoon Site, samples of soil, soil vapor, and groundwater were collected and submitted for laboratory analysis, as detailed in the following subsections. Photographic documentation of the Site and field activities is presented in **Appendix A3**.

### 2.1 GEOPHYSICAL SURVEY

On February 14, 2012, THG Geophysics, Ltd., mobilized to the Amert Lagoon Site to image the subsurface using electromagnetic (EM) terrain conductivity and ground-penetrating radar (GPR) mapping techniques. This included use of the quadrature and in-phase components of the EM field to generate images of both terrain conductivity and metals. The geophysical survey report is presented in **Appendix A4**.

### 2.2 SUBSURFACE SOIL CHARACTERIZATION

On February 20, 2012, the U.S. EPA OSCs, START members, and Buckeye Probe mobilized to the Site for advancement of soil borings at four locations (**Figure A3**). The Buckeye Probe operator used a track-mounted hydraulic direct push-probe rig to recover continuous soil cores from each boring location. START characterized the soil on separate boring logs (**Appendix A5**).

Sampling locations and depth intervals were selected based on preliminary findings of the geophysical survey, historical data, field conditions, and field screening results. One soil boring was advanced hydraulically down gradient of the waste disposal area, and three were advanced within the waste disposal area. Two of the borings were located near the conductivity anomaly in the southeast corner of the waste disposal area. The four soil borings were completed at depths ranging from 8 to 12 ft below ground surface (bgs).

Up to two soil samples were collected from each soil boring location. Samples were collected in laboratory-supplied containers and placed in a cooler on ice for delivery to the laboratory, ALS Laboratory Group (ALS) in Holland, Michigan. Refer to the February 2, 2012, *Field Sampling Plan* for details on sample collection, preservation, and handling procedures.

### **2.3 GROUNDWATER WELL INSTALLATION AND SAMPLING**

Groundwater samples were collected on February 20 and 21, 2012, from four of the existing monitoring wells at the Site (**Figure A3**): MW-2, MW-4, MW-7, and MW-12.

Samples were collected utilizing the low-flow groundwater sampling technique with a peristaltic pump, and Teflon-lined high-density polyethylene (HDPE) tubing placed in the wells in the middle of the screened interval. This ensured samples representative of groundwater conditions in the geological formation were collected as indicated by stable field parameters for dissolved oxygen, oxidation/reduction potential, conductivity, temperature, and turbidity as measured with a YSI Inc. model 556 water-quality monitoring instrument equipped with a flow-through cell and a HANNA Instruments turbidimeter. Samples were collected in laboratory-supplied containers and placed in a cooler on ice for delivery to ALS in Holland, Michigan. Refer to the February 2, 2012, *Field Sampling Plan* for details on sample collection, preservation, and handling procedures.

### **2.4 SOIL VAPOR PROBE INSTALLATION AND SAMPLING**

Soil vapor probes were installed in soil borings AL-B01 and AL-B02 at the Site. START collected a soil vapor sample from each of the soil vapor probes.

One 6-inch-long stainless steel screened vapor probe was installed at each boring location. The soil vapor probes were installed at depths between 2 and 6 ft bgs. Installation depths for soil vapor probes were selected after observing the soil cores and reviewing the boring logs in **Appendix A5**. Each vapor probe was connected to dedicated Teflon tubing that extended to the ground surface. Vapor probes were surrounded by a 4-foot-long interval of high-porosity filter sand pack. Low-permeability hydrated bentonite chips were placed between the filter sand pack layer and the ground surface.

Each soil vapor probe was purged with a pump for 5 minutes prior to sample collection. A 1-liter SUMMA canister was connected to the Teflon tubing of each soil vapor probe using stainless-steel fittings and a dedicated flow controller. The sample identification, initial and final pressure, and start and stop time and date were recorded on the sample tag of each SUMMA canister and on separate sampling logs. The SUMMA canisters were shipped to Air Toxics, LLC, in Folsom, California, for analysis. Refer to the February 2, 2012, *Field Sampling Plan* for details on sample collection, preservation, and handling procedures.

### **3. RESULTS**

The results of the site assessment activities are presented below.

#### **3.1 PHYSICAL FINDINGS**

##### **3.1.1 Geophysical Survey Results**

The geophysical survey did not indicate the presence of buried metals at the Site, as illustrated on **Figure A3**. In addition, low conductivity readings were recorded across the Site, with a small area of slightly elevated conductivity in the southeastern corner, suggesting there may be a small area of possible leachate accumulation. The geophysical survey report is presented in **Appendix A4**.

##### **3.1.2 Subsurface Soil Physical Results**

Borings AL-B01 and AL-B02 were composed of 2 ft of brown clay, underlain by yellow-brown, orange, and gray porcelain fill to a depth of 6 ft, followed by brown to yellow-brown fine-grained sand. Neither clay nor fill were noted in borings AL-B03 or AL-B04, which consisted of yellow-brown to gray fine-grained sand.

##### **3.1.3 Groundwater Physical Results**

The depth to water at the four monitoring wells ranged from 3.00 to 8.96 ft below top of casing for MW-2, MW-4, MW-7, and MW-12. **Figure A4** illustrates the measured groundwater elevations at the four monitoring wells. Historical data utilizing all of the monitoring wells installed at the Site indicated that the groundwater flow direction was to the north-northwest.

##### **3.1.4 Soil Vapor Physical Results**

Preliminary field screening of the soil headspace with a MultiRAE photoionization detector (PID) indicated that total volatile organic compound (VOC) readings ranged from 0 to 7.9 parts per million (ppm). Boring AL-B01 had the highest soil headspace concentration of 7.9 ppm at a depth of 6 to 8 ft bgs, which was in the sand layer immediately below the porcelain fill. In addition, a headspace concentration of 7.2 ppm was recorded in the porcelain fill at a depth of 2 to 4 ft bgs in AL-B01.

## 3.2 LABORATORY ANALYTICAL FINDINGS

At the Amert Lagoon Site, samples of soil, soil vapor, and groundwater were collected and submitted for laboratory analysis. The soil sample results were compared to the U.S. EPA Regional Screening Levels (RSL) and the U.S. EPA Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24). The groundwater sample results were compared to the National Primary Drinking Water Regulations Maximum Contaminant Levels (MCL). The soil vapor results were compared to Table 2b of the U.S. EPA 2002 Subsurface Vapor Intrusion Guidance (Office of Solid Waste and Emergency Response [OSWER] document EPA530-D-02-004). The results are detailed in the following subsections.

### 3.2.1 Subsurface Soil Analytical Results

The soil samples were analyzed by the laboratory for VOCs, Toxicity Characteristic Leaching Procedure (TCLP) VOCs, Semivolatile Organic Compounds (SVOCs), TCLP SVOCs, Target Analyte List (TAL) Total Metals, TCLP Metals, Pesticides, TCLP Pesticides, Herbicides, TCLP Herbicides, and Polychlorinated Biphenyls (PCBs). The soil analytical results are presented in **Table A1**. The analytical data validation reports are presented in **Appendix A6**.

Total arsenic was detected above the U.S. EPA Regional Screening Level for residential properties (RSL) of 0.39 milligrams per kilogram (mg/kg) for all of the soil samples collected, at concentrations ranging from 2 to 61 mg/kg. Total cobalt, iron, lead, and nickel were detected above their respective RSLs at soil borings AL-B01 (3 to 5 ft) and AL-B02 (3 to 4 ft) in the porcelain fill material, and at AL-B02 (6 to 8 ft) in the sand layer immediately below the fill. No other analytes were detected above their respective RSLs. **Figure A5** illustrates the soil sample analytical results which exceeded the Residential RSLs. None of the detected contaminants exceeded the U.S. EPA Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24).

### 3.2.2 Groundwater Analytical Results

The four groundwater samples were analyzed by the laboratory for VOCs, TCLP VOCs, SVOCs, TCLP SVOCs, Total TAL Metals, TCLP Metals, Pesticides, TCLP Pesticides, Herbicides, TCLP

Herbicides, PCBs, pH, and flashpoint. The groundwater analytical results are presented in **Table A2**. The analytical data validation reports are presented in **Appendix A6**.

Lead was detected at a concentration of 0.019 milligrams per liter (mg/L) in the groundwater sample collected from monitoring well MW4, which exceeds the National Primary Drinking Water Regulations Maximum Contaminant Level (MCL) of 0.015 mg/L. Lead was not detected in the groundwater sample collected from MW-12 located down gradient of the Site. No other analytes were detected in any groundwater samples above their respective MCLs. Compounds were not detected in the groundwater samples at concentrations exceeding the U.S. EPA Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24). Boron was detected in groundwater collected from monitoring well MW2 at a concentration of 0.94 mg/L, in MW4 at 46 mg/L, in MW7 at 150 mg/L, and in MW12 at 43 mg/L. An MCL has not been established for boron.

### **3.2.3 Soil Vapor Analytical Results**

The soil vapor samples were analyzed for VOCs by U.S. EPA Method TO-15. The soil vapor analytical results are presented in **Table A3**. The analytical data validation reports are presented in **Appendix A6**.

No compounds were detected above the levels listed in Table 2b of the U.S. EPA 2002 Subsurface Vapor Intrusion Guidance (Office of Solid Waste and Emergency Response [OSWER] document EPA530-D-02-004). A method blank was analyzed with the VOC analysis and was free of target compound contamination above the reporting limit.

## 4. CONCLUSIONS

The tasks completed as part of this Site Assessment were designed to document the distribution and concentrations of potential contaminants at the Site. A total of four soil borings and two soil vapor probes were completed at the Site, and samples were collected for analysis at an off-site laboratory. In addition, samples were collected from four of the existing groundwater monitoring wells and sent to an off-site laboratory for analysis.

Site assessment activities to date have included the collection of soil, groundwater, and soil vapor samples. The data indicates that arsenic is present throughout the soil column at levels above the RSL, but has not impacted the groundwater at concentrations above the MCL. The shallowest soil sample collected at the Site was at a depth of 0 to 2 ft bgs at soil boring AL-B04. Arsenic was detected at a concentration of 2.0 mg/kg at this location, above the RSL of 0.39 mg/kg. Limited information was available on the background concentration of arsenic in the soils of Sandusky County, Ohio. A United States Geological Survey (USGS) National Geochemical Survey (NGS) indicated that the range of arsenic in Sandusky County is 8.5 to 42.7 mg/kg, with a mean of 13.2 mg/kg. In addition, a report written for the Ohio EPA indicated that the range for arsenic within Ohio is 0.5 to 56 mg/kg, with a median value of 5.80 mg/kg (Cox & Colvin, 1996), which is similar to the results of the USGS study, but did not include samples from Sandusky County.

Total cobalt, iron, lead, and nickel were detected above their respective RSLs in the porcelain fill material, and in the sand immediately below it.

None of the TCLP analyses resulted in detections of contaminants above the U.S. EPA Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24).

Lead was detected in one groundwater sample above the MCL. Boron was detected at concentrations ranging from 0.94 to 150 mg/L. An MCL has not been established for boron, nor has Ohio EPA established a Generic Criteria for boron. A nearby state, Michigan, has a Residential Drinking Water Protection Criteria of 10 mg/L for boron, a Nonresidential Drinking Water Protection Criteria of 10 mg/L, with a footnote indicating that the criterion is based on

adverse impacts to plant life and phytotoxicity. In addition, Michigan has a Groundwater Surface Water Interface Protection Criteria of 100 mg/L for boron, with a footnote indicating that the criterion is not protective for surface water that is used as a drinking source (Table 1, Part 201 Generic Cleanup Criteria and Screening Levels).

Soil vapor results indicated that impacts to soil vapor are not present at the Site. None of the TCLP analyses resulted in detections of contaminants above the U.S. EPA Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24), indicating that the buried material is not characteristically hazardous waste.

Access to the Site is restricted by a chain link fence with a locked gate. The Site is covered by grass, and no farming is done at the Site. The buried waste material, which contains concentrations of metals above RSLs, is contained beneath a vegetated clay cap and is not available for contact by humans or animals unless the cap is compromised. Animal burrows were not noted in the clay cap.

No drums, barrels, tanks, or other bulk storage containers were discovered at the Site. The geophysical survey did not indicate the presence of buried metal indicative of drums or tanks.

Based on the findings of this Site Assessment, U.S. EPA will not be undertaking an emergency or time-critical removal action pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq.

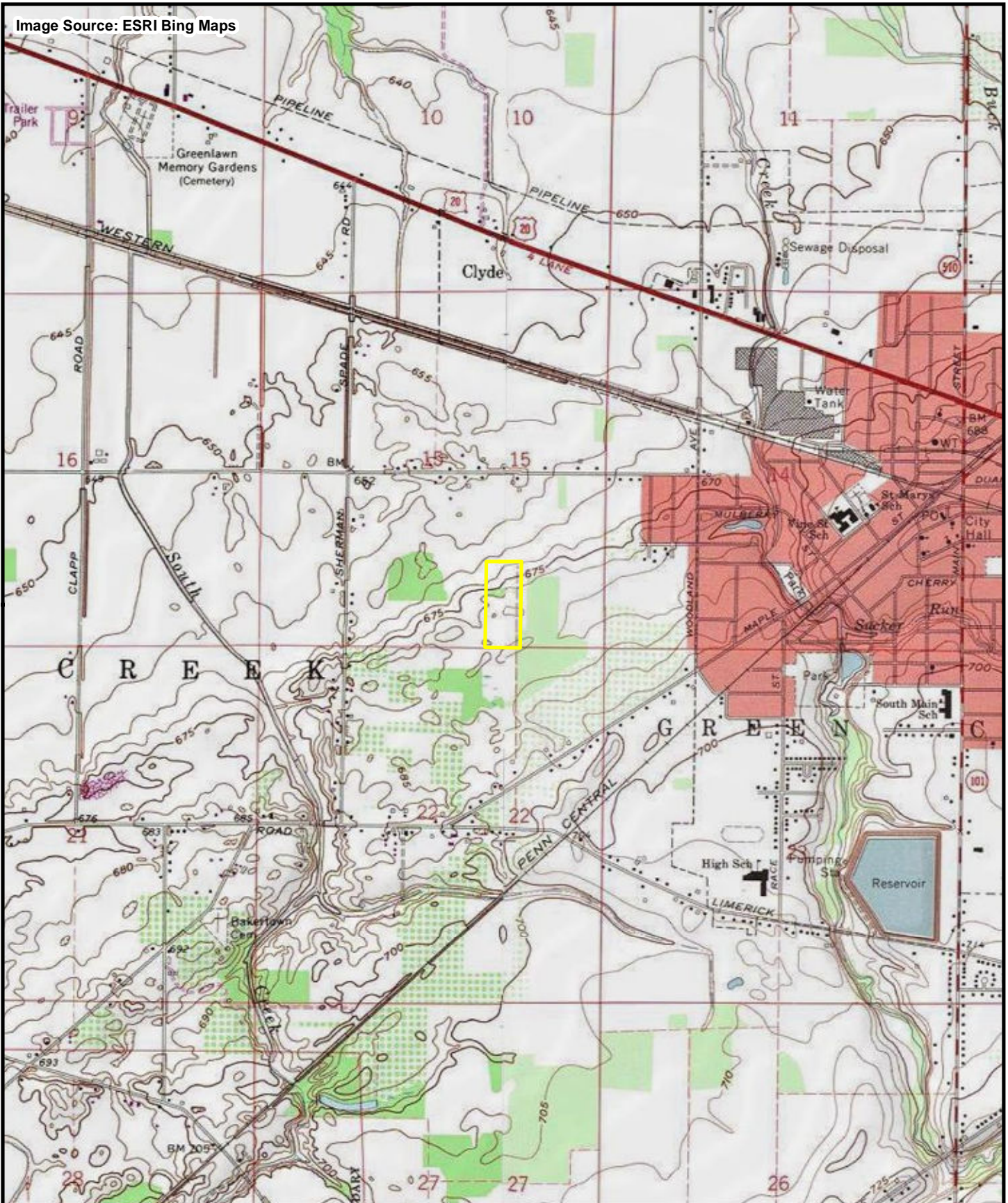


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## FIGURES

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Image Source: ESRI Bing Maps



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**Legend**

 Subject Property

0 2,000 Feet



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Contract No: EP-S5-06-04  
TDD: S05-0001-1111-033  
DCN: 1691-2A-AVDK



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**Figure A-1**  
Site Location Map  
Amert Lagoon Site  
Eastern Sandusky County Dumps SA  
Sandusky County, Ohio



Image Source: ESRI Bing Maps



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**Legend**

 Subject Property

0 500  
 Feet



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**Figure A-2**  
Site Features Map  
Amert Lagoon Site  
Eastern Sandusky County Dumps SA  
Sandusky County, Ohio



Imagery Source: OSIP Map Service

**AL-MW12**  
Depth to Bedrock: NA  
Total Well Depth: 4 Feet  
Matrices Sampled: groundwater

**AL-B04**  
Depth to Bedrock: NA  
Total Boring Depth: 9 Feet  
Matrices Sampled: soil

**AL-B03**  
Depth to Bedrock: NA  
Total Boring Depth: 8 Feet  
Matrices Sampled: soil

**AL-B02**  
Depth to Bedrock: NA  
Total Boring Depth: 12 Feet  
Matrices Sampled: soil / soil vapor






**AL-MW4**  
Depth to Bedrock: NA  
Total Well Depth: 15.2 Feet  
Matrices Sampled: groundwater

**AL-MW7**  
Depth to Bedrock: NA  
Total Well Depth: 21.4 Feet  
Matrices Sampled: groundwater


**AL-B01**  
Depth to Bedrock: NA  
Total Boring Depth: 12 Feet  
Matrices Sampled: soil / soil vapor


**AL-MW2**  
Depth to Bedrock: NA  
Total Well Depth: 20.8 Feet  
Matrices Sampled: groundwater

**Legend**

-  Sampling Locations
-  EM Inphase Contours
-  Subject Property
-  Conductivity Anomalies
-  Metallic Anomalies

0 250 Feet



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**Figure A-3**  
Sampling Locations and  
EM Survey Results Map  
Amert Lagoon Site  
Sandusky County, Ohio

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Imagery Source: OSIP Map Service

**AL-MW12**  
666.2




**AL-MW4**  
676.53

**AL-MW7**  
678.74

**AL-MW2**  
681.08

666.2 - Groundwater Elevation  
(feet above mean sea level)

**Legend**

-  Subject Property
-  Potential GW Flow Direction
-  Temporary Monitoring Well Location

0 250  
Feet



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**Figure A-4**  
Groundwater Elevation Map  
Amert Lagoon Site  
Sandusky County, Ohio



Imagery Source: OSIP Map Service

AL-B04 02/20/12

Depth	Parameter	Result	Units	Criteria
0-2	Arsenic	2	mg/Kg	[0.39]

AL-MW4 02/20/12

Depth	Parameter	Result	Units	Criteria
10.5-14.5	Lead	0.019	mg/L	[0.015]

AL-B03 02/20/12

Depth	Parameter	Result	Units	Criteria
2-4	Arsenic	8.2	mg/Kg	[0.39]

AL-B02 02/20/12

Depth	Parameter	Result	Units	Criteria
2-4	Arsenic	59	mg/Kg	[0.39]
2-4	Arsenic	61	mg/Kg	[0.39]
2-4	Cobalt	900	mg/Kg	[23]
2-4	Cobalt	670	mg/Kg	[23]
2-4	Iron	85000	mg/Kg	[55000]
2-4	Iron	75000	mg/Kg	[55000]
2-4	Lead	780	mg/Kg	[400]
2-4	Lead	720	mg/Kg	[400]
2-4	Nickel	2800	mg/Kg	[1500]
2-4	Nickel	2100	mg/Kg	[1500]
6-8	Arsenic	5.8	mg/Kg	[0.39]

AL-B01 02/20/12

Depth	Parameter	Result	Units	Criteria
3-5	Arsenic	53	mg/Kg	[0.39]
3-5	Cobalt	1000	mg/Kg	[23]
3-5	Iron	61000	mg/Kg	[55000]
3-5	Lead	610	mg/Kg	[400]
3-5	Nickel	1700	mg/Kg	[1500]
6-8	Arsenic	2.8	mg/Kg	[0.39]

Screening Criteria:  
 Soil - Residential RSLs  
 Water - USEPA MCLs  
 TCLP - 40CFR261.2

**Legend**

- Locations with at least one exceedance
  - Locations with no exceedances
  - Subject Property
- Depth Units = Feet



Prepared For:  
**U.S. EPA REGION V**

Contract No.: EP-S5-06-04  
 TDD: S05-0001-1111-033  
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**Figure A-5**  
 Soil and Groundwater Analytical Results  
 Exceeding Screening Criteria  
 Amert Lagoon Site  
 Sandusky County, Ohio

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## TABLES

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TABLE A1  
SOIL ANALYTICAL RESULTS  
Volatile Organic Compounds and Semi-Volatile Organic Compounds  
Amert Lagoon Site  
Clyde, Sandusky County, Ohio

Site		Amert Lagoon								
Location ID		AL-B01	AL-B01	AL-B02	AL-B02	AL-B02	AL-B03	AL-B04		
Field Sample ID		AL-B01-S01-022012	AL-B01-S02-022012	AL-B02-S01-022012	AL-B02-S01-022012-DP	AL-B02-S02-022012	AL-B03-S01-022012	AL-B04-S01-022012		
Sample Date		2/20/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012		
Sample Depth (ft bgs)		3-5	6-8	2-4	2-4	6-8	2-4	0-2		
<b>Volatile Organic Compounds (VOCs)</b>										
Analytical Method	Chemical Name	Units	*Residential RSL							
SW8260	1,1,2,2-Tetrachloroethane	mg/Kg	0.56	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	1,1,2-Trichloroethane	mg/Kg	1.1	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	1,1,1,2-Trichlorotrifluoroethane	mg/Kg	43000	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,1,1-Trichloroethane	mg/Kg	8700	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,1-Dichloroethane	mg/Kg	3.3	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,1-Dichloroethene	mg/Kg	240	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,2,4-Trichlorobenzene	mg/Kg	22	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,2-Dibromo-3-chloropropane	mg/Kg	0.0054	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	1,2-Dibromoethane	mg/Kg	0.034	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	1,2-Dichlorobenzene	mg/Kg	1900	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,2-Dichloroethane	mg/Kg	0.43	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,2-Dichloropropane	mg/Kg	0.94	0.45 U	0.2 U	0.48 U	0.45 U	0.21 U	0.2 U	0.21 U
SW8260	1,3-Dichlorobenzene	mg/Kg	NA	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	1,4-Dichlorobenzene	mg/Kg	2.4	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	2-Butanone	mg/Kg	28000	0.97 U	0.43 U	1 U	0.97 U	0.44 U	0.43 U	0.45 U
SW8260	2-Hexanone	mg/Kg	210	0.64 U	0.29 U	0.68 U	0.65 U	0.29 U	0.29 U	0.3 U
SW8260	4-Methyl-2-pentanone	mg/Kg	5300	0.64 U	0.29 U	0.68 U	0.65 U	0.29 U	0.29 U	0.3 U
SW8260	Acetone	mg/Kg	61000	0.58 U	0.26 U	0.62 U	0.58 U	0.27 U	0.26 U	0.27 U
SW8260	Benzene	mg/Kg	1.1	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Bromodichloromethane	mg/Kg	0.27	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Bromoform	mg/Kg	62	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Bromomethane	mg/Kg	7.3	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Carbon disulfide	mg/Kg	820	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Carbon tetrachloride	mg/Kg	0.61	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Chlorobenzene	mg/Kg	290	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Chloroethane	mg/Kg	15000	0.39 U	0.17 U	0.41 U	0.39 U	0.18 U	0.17 U	0.18 U
SW8260	Chloroform	mg/Kg	0.29	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Chloromethane	mg/Kg	120	0.39 U	0.17 U	0.41 U	0.39 U	0.18 U	0.17 U	0.18 U
SW8260	cis-1,2-Dichloroethene	mg/Kg	160	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	cis-1,3-Dichloropropene	mg/Kg	NA	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Cyclohexane	mg/Kg	7000	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Dibromochloromethane	mg/Kg	0.68	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	Dichlorodifluoromethane	mg/Kg	94	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Ethylbenzene	mg/Kg	5.4	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	Isopropylbenzene	mg/Kg	2100	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Methyl acetate	mg/Kg	78000	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Methyl tert-butyl ether	mg/Kg	43	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Methylcyclohexane	mg/Kg	NA	2.6 U	1.1 U	2.7 U	2.6 U	1.2 U	1.2 U	1.2 U
SW8260	Methylene chloride	mg/Kg	11	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	Styrene	mg/Kg	6300	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Tetrachloroethene	mg/Kg	0.55	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Toluene	mg/Kg	5000	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	trans-1,2-Dichloroethene	mg/Kg	150	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	trans-1,3-Dichloropropene	mg/Kg	NA	0.19 U	0.086 U	0.21 U	0.19 U	0.088 U	0.087 U	0.09 U
SW8260	Trichloroethene	mg/Kg	0.91	0.36	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Trichlorofluoromethane	mg/Kg	790	0.13 U	0.057 U	0.14 U	0.13 U	0.059 U	0.058 U	0.06 U
SW8260	Vinyl chloride	mg/Kg	0.06	0.26 U	0.11 U	0.27 U	0.26 U	0.12 U	0.12 U	0.12 U
SW8260	Xylenes, Total	mg/Kg	630	0.39 U	0.17 U	0.41 U	0.39 U	0.18 U	0.17 U	0.18 U
<b>Semi-Volatile Organic Compounds (SVOCs)</b>										
SW8270	1,1-Biphenyl	mg/Kg	51	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	2,4,5-Trichlorophenol	mg/Kg	6100	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	2,4,6-Trichlorophenol	mg/Kg	44	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	2,4-Dichlorophenol	mg/Kg	180	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	2,4-Dimethylphenol	mg/Kg	1200	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	2,4-Dinitrophenol	mg/Kg	120	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	2,4-Dinitrotoluene	mg/Kg	1.6	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	2,6-Dinitrotoluene	mg/Kg	61	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	2-Chloronaphthalene	mg/Kg	6300	4.1 U	0.09 U	4.3 U	0.21 U	0.094 U	0.09 U	0.095 U
SW8270	2-Chlorophenol	mg/Kg	390	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	2-Methylnaphthalene	mg/Kg	310	4.1 U	0.09 U	4.3 U	0.21 U	0.094 U	0.09 U	0.095 U
SW8270	2-Nitroaniline	mg/Kg	610	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	2-Nitrophenol	mg/Kg	NA	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	3,3-Dichlorobenzidine	mg/Kg	1.1	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	3-Nitroaniline	mg/Kg	NA	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	4,6-Dinitro-2-methylphenol	mg/Kg	4.9	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	4-Bromophenyl phenyl ether	mg/Kg	NA	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	4-Chloro-3-methylphenol	mg/Kg	6100	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	4-Chloroaniline	mg/Kg	2.4	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	4-Chlorophenyl phenyl ether	mg/Kg	NA	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	4-Nitroaniline	mg/Kg	24	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	4-Nitrophenol	mg/Kg	NA	34 U	0.74 U	36 U	1.7 U	0.77 U	0.74 U	0.78 U
SW8270	Acenaphthene	mg/Kg	3400	1.5 U	0.034 U	1.6 U	0.077 U	0.035 U	0.034 U	0.036 U
SW8270	Acenaphthylene	mg/Kg	NA	1.5 U	0.034 U	1.6 U	0.077 U	0.035 U	0.034 U	0.036 U
SW8270	Acetophenone	mg/Kg	7800	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	Anthracene	mg/Kg	17000	2.2	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Atrazine	mg/Kg	2.1	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	Benzaldehyde	mg/Kg	7800	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	Benzo(a)anthracene	mg/Kg	0.15	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Benzo(a)pyrene	mg/Kg	0.015	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Benzo(b)fluoranthene	mg/Kg	0.15	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Benzo(g,h,i)perylene	mg/Kg	NA	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Benzo(k)fluoranthene	mg/Kg	1.5	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Bis(2-chloroethoxy)methane	mg/Kg	180	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	Bis(2-chloroethyl)ether	mg/Kg	0.21	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	Bis(2-chloroisopropyl)ether	mg/Kg	4.6	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	Bis(2-ethylhexyl)phthalate	mg/Kg	35	17 U	1.1	18 U	17 U	0.39 U	0.37 U	0.39 U
SW8270	Butyl benzyl phthalate	mg/Kg	260	8.2 U	0.18 U	8.6 U	8.2 U	0.19 U	0.18 U	0.19 U
SW8270	Caprolactam	mg/Kg	31000	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	Carbazole	mg/Kg	NA	8.2 U	0.18 U	8.6 U	8.2 U	0.19 U	0.18 U	0.19 U
SW8270	Chrysene	mg/Kg	15	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Dibenzo(a,h)anthracene	mg/Kg	0.015	1.5 U	0.034 U	1.6 U	1.5 U	0.035 U	0.034 U	0.036 U
SW8270	Dibenzofuran	mg/Kg	78	8.2 U	0.18 U	8.6 U	0.41 U	0.19 U	0.18 U	0.19 U
SW8270	Diethyl phthalate	mg/Kg	49000	17 U	0.37 U	18 U	0.85 U	0.39 U	0.37 U	0.39 U
SW8270	Dimethyl phthalate	mg/Kg	NA	17 U						



**TABLE A1**  
**SOIL ANALYTICAL RESULTS**  
**Metals, Pesticides and Herbicides**  
**Amert Lagoon Site**  
**Clyde, Sandusky County, Ohio**

Site				Amert Lagoon							
Location ID	AL-B01		AL-B01	AL-B02		AL-B02	AL-B02		AL-B02	AL-B03	AL-B04
Field Sample ID	AL-B01-S01-022012		AL-B01-S02-022012	AL-B02-S01-022012		AL-B02-S01-022012-DP	AL-B02-S02-022012		AL-B02-S02-022012	AL-B03-S01-022012	AL-B04-S01-022012
Sample Date	2/20/2012		2/20/2012	2/20/2012		2/20/2012	2/20/2012		2/20/2012	2/20/2012	2/20/2012
Sample Depth (ft bgs)	3-5		6-8	2-4		2-4	6-8		2-4	0-2	
<b>Total Target Analyte List (TAL) Metals</b>											
Analytical Method	Chemical Name	Units	*Residential RSL								
SW6020A	Aluminum	mg/Kg	77000	11000	6800	13000	11000	7600	5600	6100	
SW6020A	Antimony	mg/Kg	31	13	0.74 U	17	17	0.79 U	0.84 U	0.76 U	
SW6020A	Arsenic	mg/Kg	0.39	<b>53</b>	<b>2.8</b>	<b>59</b>	<b>61</b>	<b>5.8</b>	<b>8.2</b>	<b>2</b>	
SW6020A	Barium	mg/Kg	15000	6900	26	6400	4600	42	45	25	
SW6020A	Beryllium	mg/Kg	160	1.4	2.9 U	1.1	1	0.32	3.4 U	0.3 U	
SW6020A	Boron	mg/Kg	16000	8300	210	2300	2300	26	34 U	10	
SW6020A	Cadmium	mg/Kg	70	5.7	0.29 U	6.7	7	0.32 U	0.34 U	0.3 U	
SW6020A	Calcium	mg/Kg	NA	27000	910	42000	33000	850	1300	1500	
SW6020A	Chromium	mg/Kg	NA	300	6.9	580	700	10	12	7.5	
SW6020A	Cobalt	mg/Kg	23	<b>1000</b>	4.7	<b>900</b>	<b>670</b>	5.4	8.2	2.3	
SW6020A	Copper	mg/Kg	3100	160	3.5	170	160	6.4	13	1.3	
SW7196A	Chromium, Hexavalent	mg/Kg	0.29	1.2 U	0.57 U	6.8 U	6.4 U	0.57 U	0.56 U	0.59 U	
SW6020A	Iron	mg/Kg	55000	<b>61000</b>	9300	<b>85000</b>	<b>75000</b>	15000	18000	8400	
SW6020A	Lead	mg/Kg	400	<b>610</b>	4.5	<b>780</b>	<b>720</b>	8	9.8	3.1	
SW6020A	Magnesium	mg/Kg	NA	16000	1100	17000	16000	1700	2200	1100	
SW6020A	Manganese	mg/Kg	1800	1800	180	1500	1500	280	860	250	
SW7471	Mercury	mg/Kg	10	0.18	0.022 U	0.16	0.14	0.021 U	0.019 U	0.023	
SW6020A	Nickel	mg/Kg	1500	<b>1700</b>	8.3	<b>2800</b>	<b>2100</b>	16	22	5.1	
SW6020A	Potassium	mg/Kg	NA	8100	640	4800	4700	800	860	410	
SW6020A	Selenium	mg/Kg	390	2.4 U	0.74 U	1.8 U	1.9 U	0.79 U	1.2	0.76 U	
SW6020A	Silver	mg/Kg	390	2.4 U	0.74 U	1.8 U	1.9 U	0.79 U	0.84 U	0.76 U	
SW6020A	Sodium	mg/Kg	NA	16000	450	2500	2400	84	340 U	70	
SW6020A	Thallium	mg/Kg	0.78	2.4 U	0.74 U	1.8 U	1.9 U	0.79 U	0.84 U	0.76 U	
SW6020A	Vanadium	mg/Kg	NA	3.2	16	18 U	19 U	21	21	13	
SW6020A	Zinc	mg/Kg	23000	3700	24	5400	5100	25	56	15	
<b>Pesticides and Herbicides</b>											
SW8151	2,4,5-T	mg/Kg	610	0.013 U	0.0055 U	0.013 U	0.013 U	0.0058 U	0.0056 U	0.0058 U	
SW8151	2,4,5-TP (Silvex)	mg/Kg	490	0.026 U	0.011 U	0.026 U	0.025 U	0.012 U	0.011 U	0.012 U	
SW8151	2,4-D	mg/Kg	690	0.013 U	0.0055 U	0.013 U	0.013 U	0.0058 U	0.0056 U	0.0058 U	
SW8081	4,4-DDD	mg/Kg	2	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	4,4-DDE	mg/Kg	1.4	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	4,4-DDT	mg/Kg	1.7	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Aldrin	mg/Kg	0.029	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	alpha-BHC	mg/Kg	0.077	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	alpha-Chlordane	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8082	Aroclor 1016	mg/Kg	3.9	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8082	Aroclor 1221	mg/Kg	0.14	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8082	Aroclor 1232	mg/Kg	0.14	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8082	Aroclor 1242	mg/Kg	0.22	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8082	Aroclor 1248	mg/Kg	0.22	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8082	Aroclor 1254	mg/Kg	0.22	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8082	Aroclor 1260	mg/Kg	0.22	0.1 U	0.043 U	0.11 U	0.1 U	0.045 U	0.046 U	0.046 U	
SW8081	beta-BHC	mg/Kg	0.27	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Chlordane, Technical	mg/Kg	NA	0.63 U	0.027 U	0.33 U	0.31 U	0.028 U	0.029 U	0.029 U	
SW8081	delta-BHC	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Dieldrin	mg/Kg	0.03	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Endosulfan I	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Endosulfan II	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Endosulfan sulfate	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Endrin	mg/Kg	18	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Endrin aldehyde	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Endrin ketone	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	gamma-BHC (Lindane)	mg/Kg	0.52	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	gamma-Chlordane	mg/Kg	NA	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Heptachlor	mg/Kg	0.11	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Heptachlor epoxide	mg/Kg	0.053	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Methoxychlor	mg/Kg	310	0.25 U	0.011 U	0.13 U	0.13 U	0.011 U	0.011 U	0.012 U	
SW8081	Toxaphene	mg/Kg	0.44	1.5 U	0.064 U	0.8 U	0.75 U	0.068 U	0.069 U	0.07 U	

**Notes:**

\*Residential RSL – U.S. Environmental Protection Agency Regional Screening Level (formerly Preliminary Remediation Goal) listed in Resident Soil Table November 2011.

\*\*40 CFR 261.20 – A solid waste exhibits the characteristic of toxicity if the extract from a representative sample of the waste contains any of the contaminants listed in the table at the concentration equal to or greater than the respective value given. Criteria obtained from Table 1 – Maximum Concentration of Contaminants for the Toxicity Characteristic, Code of Federal Regulations – Title 40: Protection of Environment, Chapter 1: Environmental Protection Agency, Subchapter 1 Solid Wastes, Part 261: Identification and Listing of Hazardous Waste, Subpart C: Characteristics of Hazardous Wastes.

**BOLD - Exceeds listed criteria**

- CFR – Code of Federal Regulations
- ft bgs – Feet below ground surface
- mg/Kg – Milligrams per kilogram
- mg/L – Milligrams per liter
- NA – Not Available
- RSL – Regional Screening Level
- TCLP – Toxicity Characteristic Leaching Procedure
- U – Not detected at indicated method detection limit

**TABLE A1**  
**SOIL ANALYTICAL RESULTS**  
**Toxicity Characteristic Leaching Procedure**  
**Amert Lagoon Site**  
**Clyde, Sandusky County, Ohio**

Site				Amert Lagoon						
Location ID				AL-B01	AL-B01	AL-B02	AL-B02	AL-B02	AL-B03	AL-B04
Field Sample ID				AL-B01-S01-022012	AL-B01-S02-022012	AL-B02-S01-022012	AL-B02-S01-022012-DP	AL-B02-S02-022012	AL-B03-S01-022012	AL-B04-S01-022012
Sample Date				2/20/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012
Sample Depth (ft bgs)				3-5	6-8	2-4	2-4	6-8	2-4	0-2
Analytical Method	Chemical Name	Units	**40 CFR 261.20							
SW8260	1,1-Dichloroethene, TCLP	mg/L	0.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8260	1,2-Dichloroethane, TCLP	mg/L	0.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8270	1,4-Dichlorobenzene, TCLP	mg/L	7.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	2,4,6-Trichlorophenol, TCLP	mg/L	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	2,4,5-Trichlorophenol, TCLP	mg/L	400	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8151	2,4,5-TP (Silvex), TCLP	mg/L	1	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8151	2,4-D, TCLP	mg/L	10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	2,4-Dinitrotoluene, TCLP	mg/L	0.13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8260	2-Butanone, TCLP	mg/L	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
SW8260	Benzene, TCLP	mg/L	0.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8260	Carbon tetrachloride, TCLP	mg/L	0.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8081	Chlordane, Technical, TCLP	mg/L	0.03	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8260	Chlorobenzene, TCLP	mg/L	100	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8260	Chloroform, TCLP	mg/L	6	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8081	Endrin, TCLP	mg/L	0.02	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW8081	gamma-BHC (Lindane), TCLP	mg/L	0.4	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
SW8081	Heptachlor, TCLP	mg/L	0.008	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
SW8270	Hexachloro-1,3-butadiene, TCLP	mg/L	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	Hexachlorobenzene, TCLP	mg/L	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	Hexachloroethane, TCLP	mg/L	3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	m-Cresol, TCLP	mg/L	200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8081	Methoxychlor, TCLP	mg/L	10	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
SW8270	Nitrobenzene, TCLP	mg/L	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	o-Cresol, TCLP	mg/L	200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	p-Cresol, TCLP	mg/L	200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW8270	Pentachlorophenol, TCLP	mg/L	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
SW8270	Pyridine, TCLP	mg/L	5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
SW8260	Tetrachloroethene, TCLP	mg/L	0.7	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8081	Toxaphene, TCLP	mg/L	0.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8260	Trichloroethene, TCLP	mg/L	0.5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8260	Vinyl chloride, TCLP	mg/L	0.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW6020A	Arsenic, TCLP	mg/L	5	0.077	0.011	0.031	0.024	0.016	0.01 U	0.01 U
SW6020A	Barium, TCLP	mg/L	100	15	1	3.9	2.1	5	0.79	1.2
SW6020A	Cadmium, TCLP	mg/L	1	0.0027	0.002 U	0.043	0.0089	0.002 U	0.002 U	0.002 U
SW6020A	Chromium, TCLP	mg/L	5	0.025	0.02 U	0.023	0.02 U	0.02 U	0.02 U	0.02 U
SW6020A	Lead, TCLP	mg/L	5	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
SW7470A	Mercury, TCLP	mg/L	0.2	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
SW6020A	Selenium, TCLP	mg/L	1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW6020A	Silver, TCLP	mg/L	5	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

**Notes:**

\*Residential RSL – U.S. Environmental Protection Agency Regional Screening Level (formerly Preliminary Remediation Goal) listed in Resident Soil Table November 2011.

\*\*40 CFR 261.20 – A solid waste exhibits the characteristic of toxicity if the extract from a representative sample of the waste contains any of the contaminants listed in the table at the concentration equal to or greater than the respective value given. Criteria obtained from Table 1 – Maximum Concentration of Contaminants for the Toxicity Characteristic, Code of Federal Regulations – Title 40: Protection of Environment, Chapter 1: Environmental Protection Agency, Subchapter 1 Solid Wastes, Part 261: Identification and Listing of Hazardous Waste, Subpart C: Characteristics of Hazardous Wastes.

**BOLD - Exceeds listed criteria**

CFR – Code of Federal Regulations

ft bgs – Feet below ground surface

mg/Kg – Milligrams per kilogram

mg/L – Milligrams per liter

NA – Not Available

RSL – Regional Screening Level

TCLP – Toxicity Characteristic Leaching Procedure

U – Not detected at indicated method detection limit

TABLE A2  
WATER ANALYTICAL RESULTS  
Volatile Organic Compounds and Semi-Volatile Organic Compounds  
Amert Lagoon Site  
Clyde, Sandusky County, Ohio

Site		Amert Lagoon				
Location ID		AL-MW2	AL-MW4	AL-MW7	AL-MW7	AL-MW12
Field Sample ID		AL-MW2-W01-022112	AL-MW4-W01-022012	AL-MW7-W01-022012	AL-MW7-W01-022012-DP	AL-MW12-W01-022012
Sample Date		2/21/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012
Screened Interval (ft bgs)		16-20	10.5-14.5	16.5-20.5	16.5-20.5	2-4
<b>Volatile Organic Compounds (VOCs)</b>						
Analytical Method	Chemical Name	Units	*MCL			
SW8260	1,1,2,2-Tetrachloroethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	1,1,1-Trichloroethane	mg/L	0.2	0.001 U	0.001 U	0.001 U
SW8260	1,1,2-Trichloroethane	mg/L	0.005	0.001 U	0.001 U	0.001 U
SW8260	1,1,2-Trichlorotrifluoroethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	1,1-Dichloroethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	1,1-Dichloroethene	mg/L	0.007	0.001 U	0.001 U	0.001 U
SW8260	1,2,4-Trichlorobenzene	mg/L	0.07	0.001 U	0.001 U	0.001 U
SW8260	1,2-Dibromo-3-chloropropane	mg/L	0.0002	0.001 U	0.001 U	0.001 U
SW8260	1,2-Dibromoethane	mg/L	0.00005	0.001 U	0.001 U	0.001 U
SW8260	1,2-Dichlorobenzene	mg/L	0.6	0.001 U	0.001 U	0.001 U
SW8260	1,2-Dichloroethane	mg/L	0.005	0.001 U	0.001 U	0.001 U
SW8260	1,2-Dichloropropane	mg/L	0.005	0.002 U	0.002 U	0.002 U
SW8260	1,3-Dichlorobenzene	mg/L	NA	0.002 U	0.002 U	0.002 U
SW8260	1,4-Dichlorobenzene	mg/L	0.075	0.002 U	0.002 U	0.002 U
SW8260	2-Butanone	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8260	2-Hexanone	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8260	4-Methyl-2-pentanone	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8260	Acetone	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8260	Benzene	mg/L	0.005	0.001 U	0.001 U	0.001 U
SW8260	Bromodichloromethane	mg/L	0.08	0.001 U	0.001 U	0.001 U
SW8260	Bromoform	mg/L	0.08	0.001 U	0.001 U	0.001 U
SW8260	Bromomethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Carbon disulfide	mg/L	NA	0.0025 U	0.0025 U	0.0025 U
SW8260	Carbon tetrachloride	mg/L	0.005	0.001 U	0.001 U	0.001 U
SW8260	Chlorobenzene	mg/L	0.1	0.001 U	0.001 U	0.001 U
SW8260	Chloroethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Chloroform	mg/L	0.08	0.001 U	0.001 U	0.001 U
SW8260	Chloromethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	cis-1,2-Dichloroethene	mg/L	0.07	0.001 U	0.001 U	0.001 U
SW8260	cis-1,3-Dichloropropene	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Cyclohexane	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8260	Dibromochloromethane	mg/L	0.08	0.001 U	0.001 U	0.001 U
SW8260	Dichlorodifluoromethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Ethylbenzene	mg/L	0.7	0.001 U	0.001 U	0.001 U
SW8260	Isopropylbenzene	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Methyl acetate	mg/L	NA	0.002 U	0.002 U	0.002 U
SW8260	Methyl tert-butyl ether	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8260	Methylcyclohexane	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8260	Methylene chloride	mg/L	0.005	0.005 U	0.005 U	0.005 U
SW8260	Styrene	mg/L	0.1	0.001 U	0.001 U	0.001 U
SW8260	Tetrachloroethene	mg/L	0.005	0.002 U	0.002 U	0.002 U
SW8260	Toluene	mg/L	1	0.001 U	0.001 U	0.001 U
SW8260	trans-1,2-Dichloroethene	mg/L	0.1	0.001 U	0.001 U	0.001 U
SW8260	trans-1,3-Dichloropropene	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Trichloroethene	mg/L	0.005	0.001 U	0.001 U	0.001 U
SW8260	Trichlorofluoromethane	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8260	Vinyl chloride	mg/L	0.002	0.001 U	0.001 U	0.001 U
SW8260	Xylenes, Total	mg/L	10	0.003 U	0.003 U	0.003 U
<b>Semi-Volatile Organic Compounds (SVOCs)</b>						
SW8270	1,1-Biphenyl	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2,4,5-Trichlorophenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2,4,6-Trichlorophenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2,4-Dichlorophenol	mg/L	NA	0.01 U	0.01 U	0.01 U
SW8270	2,4-Dimethylphenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2,4-Dinitrophenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2,4-Dinitrotoluene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2,6-Dinitrotoluene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2-Chloronaphthalene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2-Chlorophenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2-Methylnaphthalene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	2-Nitroaniline	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	2-Nitrophenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	3,3-Dichlorobenzidine	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	3-Nitroaniline	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	4,6-Dinitro-2-methylphenol	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	4-Bromodiphenyl ether	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	4-Chloro-3-methylphenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	4-Chloroaniline	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	4-Chlorophenyl phenyl ether	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	4-Nitroaniline	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	4-Nitrophenol	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	Acenaphthene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Acenaphthylene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Acetophenone	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8270	Anthracene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Atrazine	mg/L	0.003	0.01 U	0.01 U	0.01 U
SW8270	Benzaldehyde	mg/L	NA	0.001 U	0.001 U	0.001 U
SW8270	Benzo(a)anthracene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Benzo(a)pyrene	mg/L	0.0002	0.005 U	0.005 U	0.005 U
SW8270	Benzo(b)fluoranthene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Benzo(g,h,i)perylene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Benzo(k)fluoranthene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Bis(2-chloroethoxy)methane	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Bis(2-chloroethyl)ether	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Bis(2-chloroisopropyl)ether	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Bis(2-ethylhexyl)phthalate	mg/L	0.006	0.005 U	0.005 U	0.005 U
SW8270	Butyl benzyl phthalate	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Caprolactam	mg/L	NA	0.01 U	0.01 U	0.01 U
SW8270	Carbazole	mg/L	NA	0.01 U	0.01 U	0.01 U
SW8270	Chrysene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Dibenzo(a,h)anthracene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Dibenzofuran	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Diethyl phthalate	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	Dimethyl phthalate	mg/L	NA	0.02 U	0.02 U	0.02 U
SW8270	Di-n-butyl phthalate	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Di-n-octyl phthalate	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Fluoranthene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Fluorene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Hexachloro-1,3-butadiene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Hexachlorobenzene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Hexachlorocyclopentadiene	mg/L	0.05	0.02 U	0.02 U	0.02 U
SW8270	Hexachloroethane	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Indeno(1,2,3-cd)pyrene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Isophorone	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Naphthalene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Nitrobenzene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	N-Nitrosodi-n-propylamine	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	N-Nitrosodiphenylamine	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	o-Cresol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	p-Cresol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Pentachlorophenol	mg/L	0.001	0.02 U	0.02 U	0.02 U
SW8270	Phenanthrene	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Phenol	mg/L	NA	0.005 U	0.005 U	0.005 U
SW8270	Pyrene	mg/L	NA	0.005 U	0.005 U	0.005 U

Notes:

\*MCL – U.S. Environmental Protection Agency, Maximum Contaminant Level/Regional Screening Level (formerly Preliminary Remediation Goal) listed in Tapwater Supporting Table November 2011.

\*\*40 CFR 261.20 – A solid waste exhibits the characteristic of toxicity if the extract from a representative sample of the waste contains any of the contaminants listed in the table at the concentration equal to or greater than the respective value given. Criteria obtained from Table 1 – Maximum Concentration of Contaminants for the Toxicity Characteristic, Code of Federal Regulations – Title 40: Protection of Environment, Chapter 1: Environmental Protection Agency, Subchapter 1 Solid Wastes, Part 261: Identification and Listing of Hazardous Waste, Subpart C: Characteristics of Hazardous Wastes. Where the waste contains less than 0.5 percent filterable solids, the waste itself, after filtering, is considered to be the extract for the purpose of this table. A substance not excluded from regulation as a hazardous waste is a hazardous waste if it exhibits any of the characteristics listed.

**BOLD - Exceeds listed criteria**

- CFR – Code of Federal Regulations
- DEG F – Degrees Fahrenheit
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- H – Holding time was exceeded
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- mg/L – Milligrams per liter
- NA – Not Available
- RSL – Regional Screening Level
- s.u. – Standard Unit
- TCLP – Toxicity Characteristic Leaching Procedure
- U – Not detected at indicated method detection limit

**TABLE A2**  
**WATER ANALYTICAL RESULTS**  
**Metals, Pesticides and Herbicides**  
**Amert Lagoon Site**  
**Clyde, Sandusky County, Ohio**

Site				Amert Lagoon				
				AL-MW2	AL-MW4	AL-MW7	AL-MW7	AL-MW12
Location ID				AL-MW2-W01-022112	AL-MW4-W01-022012	AL-MW7-W01-022012	AL-MW7-W01-022012-DP	AL-MW12-W01-022012
Field Sample ID				AL-MW2-W01-022112	AL-MW4-W01-022012	AL-MW7-W01-022012	AL-MW7-W01-022012-DP	AL-MW12-W01-022012
Sample Date				2/21/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012
Screened Interval (ft bgs)				16-20	10.5-14.5	16.5-20.5	16.5-20.5	2-4
<b>Total Target Analyte List (TAL) Metals</b>								
Analytical Method	Chemical Name	Units	*MCL					
SW6020A	Aluminum	mg/L	NA	0.01 U	0.081	0.063	0.038	0.015
SW6020A	Antimony	mg/L	0.006	0.005 U	0.01 U	0.02 U	0.01 U	0.005 U
SW6020A	Arsenic	mg/L	0.01	0.005 U	0.01 U	0.01 U	0.01 U	0.005 U
SW6020A	Barium	mg/L	2	0.076	0.17	0.2	0.21	0.031
SW6020A	Beryllium	mg/L	0.004	0.002 U	0.004 U	0.008 U	0.004 U	0.002 U
SW6020A	Boron	mg/L	NA	0.94	46	150	160	43
SW6020A	Cadmium	mg/L	NA	0.002 U	0.004 U	0.004 U	0.004 U	0.002 U
SW6020A	Calcium	mg/L	NA	65	55	62	57	51
SW6020A	Chromium	mg/L	0.1	0.005 U	0.01 U	0.02 U	0.01 U	0.005 U
SW6020A	Cobalt	mg/L	NA	0.005 U	0.01 U	0.02 U	0.01 U	0.005 U
SW6020A	Copper	mg/L	1.3	0.005 U	0.022	0.02 U	0.01 U	0.005 U
SW6020A	Iron	mg/L	NA	0.39	1.4	0.41	0.66	0.08 U
SW6020A	Lead	mg/L	0.015	0.005 U	<b>0.019</b>	0.01 U	0.01 U	0.005 U
SW6020A	Magnesium	mg/L	NA	17	170	120	110	94
SW6020A	Manganese	mg/L	NA	0.083	0.27	0.039	0.046	0.65
SW7470	Mercury	mg/L	0.002	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
SW6020A	Nickel	mg/L	NA	0.005 U	0.014	0.02 U	0.01 U	0.005 U
SW6020A	Potassium	mg/L	NA	5.3	48	41	45	10
SW6020A	Selenium	mg/L	0.05	0.005 U	0.01 U	0.02 U	0.01 U	0.005 U
SW6020A	Silver	mg/L	NA	0.005 U	0.01 U	0.02 U	0.01 U	0.005 U
SW6020A	Sodium	mg/L	NA	17	95	300	330	90
SW6020A	Thallium	mg/L	0.002	0.005 U	0.01 U	0.01 U	0.01 U	0.005 U
SW6020A	Vanadium	mg/L	NA	0.005 U	0.01 U	0.02 U	0.01 U	0.005 U
SW6020A	Zinc	mg/L	NA	0.01 U	0.02 U	0.04 U	0.02 U	0.01 U
<b>Pesticides and Herbicides</b>								
SW8151	2,4,5-T	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8151	2,4,5-TP (Silvex)	mg/L	0.05	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
SW8151	2,4-D	mg/L	0.07	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
SW8081	4,4-DDD	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	4,4-DDE	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	4,4-DDT	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Aldrin	mg/L	NA	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	alpha-BHC	mg/L	NA	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	alpha-Chlordane	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8082	Aroclor 1016	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8082	Aroclor 1221	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8082	Aroclor 1232	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8082	Aroclor 1242	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8082	Aroclor 1248	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8082	Aroclor 1254	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8082	Aroclor 1260	mg/L	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SW8081	beta-BHC	mg/L	NA	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	Chlordane, Technical	mg/L	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW8081	delta-BHC	mg/L	NA	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	Dieldrin	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Endosulfan I	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Endosulfan II	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Endosulfan sulfate	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Endrin	mg/L	0.002	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Endrin aldehyde	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Endrin ketone	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	gamma-BHC (Lindane)	mg/L	0.0002	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	gamma-Chlordane	mg/L	NA	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
SW8081	Heptachlor	mg/L	0.0004	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	Heptachlor epoxide	mg/L	0.0002	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	Hexachlorobenzene	mg/L	NA	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U
SW8081	Methoxychlor	mg/L	0.04	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U
SW8081	Toxaphene	mg/L	0.003	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

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**TABLE A2**  
**WATER ANALYTICAL RESULTS**  
**Toxicity Characteristic Leaching Procedure**  
**Amert Lagoon Site**  
**Clyde, Sandusky County, Ohio**

Site				Amert Lagoon				
Location ID				AL-MW2	AL-MW4	AL-MW7	AL-MW7	AL-MW12
Field Sample ID				AL-MW2-W01-022112	AL-MW4-W01-022012	AL-MW7-W01-022012	AL-MW7-W01-022012-DP	AL-MW12-W01-022012
Sample Date				2/21/2012	2/20/2012	2/20/2012	2/20/2012	2/20/2012
Screened Interval (ft bgs)				16-20	10.5-14.5	16.5-20.5	16.5-20.5	2-4
Analytical Method	Chemical Name/Parameter	Units	**40 CFR 261.20					
SW8260	1,1-Dichloroethene, TCLP	mg/L	0.7	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8260	1,2-Dichloroethane, TCLP	mg/L	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8270	1,4-Dichlorobenzene, TCLP	mg/L	7.5	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	2,4,6-Trichlorophenol, TCLP	mg/L	2	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8151	2,4,5-TP (Silvex), TCLP	mg/L	1	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	2,4,5-Trichlorophenol, TCLP	mg/L	400	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8151	2,4-D, TCLP	mg/L	10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	2,4-Dinitrotoluene, TCLP	mg/L	0.13	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8260	2-Butanone, TCLP	mg/L	200	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
SW8260	Benzene, TCLP	mg/L	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8260	Carbon tetrachloride, TCLP	mg/L	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8081	Chlordane, Technical, TCLP	mg/L	0.03	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8260	Chlorobenzene, TCLP	mg/L	100	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8260	Chloroform, TCLP	mg/L	6	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8081	gamma-BHC (Lindane), TCLP	mg/L	0.4	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
SW8081	Heptachlor, TCLP	mg/L	0.008	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
SW8270	Hexachloro-1,3-butadiene, TCLP	mg/L	0.5	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	Hexachlorobenzene, TCLP	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	Hexachloroethane, TCLP	mg/L	3	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	m-Cresol, TCLP	mg/L	200	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8081	Methoxychlor, TCLP	mg/L	10	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW8270	Nitrobenzene, TCLP	mg/L	2	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	o-Cresol, TCLP	mg/L	200	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	p-Cresol, TCLP	mg/L	200	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW8270	Pentachlorophenol, TCLP	mg/L	100	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8270	Pyridine, TCLP	mg/L	5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW8260	Tetrachloroethene, TCLP	mg/L	0.7	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8081	Toxaphene, TCLP	mg/L	0.5	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
SW8260	Trichloroethene, TCLP	mg/L	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW8260	Vinyl chloride, TCLP	mg/L	0.2	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SW6020A	Arsenic, TCLP	mg/L	5	0.0011	0.0023	0.0052	0.004	0.001 U
SW6020A	Barium, TCLP	mg/L	100	0.076	0.17	0.2	0.21	0.031
SW6020A	Cadmium, TCLP	mg/L	1	0.0002 U	0.0007	0.0004 U	0.0004 U	0.0002 U
SW6020A	Chromium, TCLP	mg/L	5	0.002 U	0.004 U	0.008 U	0.004 U	0.002 U
SW6020A	Lead, TCLP	mg/L	5	0.001 U	0.019	0.002 U	0.002 U	0.001 U
SW7470A	Mercury, TCLP	mg/L	0.2	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
SW6020A	Selenium, TCLP	mg/L	1	0.002 U	0.004 U	0.008 U	0.004 U	0.002 U
SW6020A	Silver, TCLP	mg/L	5	0.0005 U	0.001 U	0.002 U	0.001 U	0.0005 U
D93	Flashpoint, P-M Closed-cup	DEG F	<140	>140	>140	>140	>140	>140
SW9040	pH	s.u.	≤2 or ≥12.5	7.36	7.41 H	7.9 H	7.81 H	7.43 H

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RSL – Regional Screening Level

s.u. – Standard Unit

TCLP – Toxicity Characteristic Leaching Procedure

U – Not detected at indicated method detection limit

**TABLE A3  
SOIL GAS ANALYTICAL RESULTS  
Amert Lagoon Site  
Clyde, Sandusky County, Ohio**

				Site	
				Amert Lagoon	
				AL-B01	AL-B02
				AL-B01-V01-022012	AL-B02-V01-022012
				2/20/2012	2/20/2012
				2-6	2-6
				Vapor Probe Interval (ft bgs)	
Analytical Method	Chemical Name	Units	*C Soil-Gas		
TO15	1,1,1-Trichloroethane	ug/m <sup>3</sup>	220000	6.5 U	4.1 U
TO15	1,1,2,2-Tetrachloroethane	ug/m <sup>3</sup>	42	8.2 U	5.1 U
TO15	1,1,2-Trichloroethane	ug/m <sup>3</sup>	150	6.5 U	4.1 U
TO15	1,1,2-Trichlorotrifluoroethane	ug/m <sup>3</sup>	3000000	9.1 U	5.7 U
TO15	1,1-Dichloroethane	ug/m <sup>3</sup>	50000	4.8 U	3.0 U
TO15	1,1-Dichloroethene	ug/m <sup>3</sup>	20000	4.7 U	3.0 U
TO15	1,2,4-Trichlorobenzene	ug/m <sup>3</sup>	20000	35 U	22 U
TO15	1,2,4-Trimethylbenzene	ug/m <sup>3</sup>	600	12	19
TO15	1,2-Dibromoethane	ug/m <sup>3</sup>	11	9.1 U	5.7 U
TO15	1,2-Dichlorobenzene	ug/m <sup>3</sup>	20000	7.2 U	4.5 U
TO15	1,2-Dichloroethane	ug/m <sup>3</sup>	94	4.8 U	3.0 U
TO15	1,2-Dichloropropane	ug/m <sup>3</sup>	400	5.5 U	3.4 U
TO15	1,3,5-Trimethylbenzene	ug/m <sup>3</sup>	600	5.8 U	5.5
TO15	1,3-Butadiene	ug/m <sup>3</sup>	8.7	2.6 U	1.6 U
TO15	1,3-Dichlorobenzene	ug/m <sup>3</sup>	11000	7.2 U	4.5 U
TO15	1,4-Dichlorobenzene	ug/m <sup>3</sup>	80000	7.2 U	4.5 U
TO15	1,4-Dioxane	ug/m <sup>3</sup>	NA	17 U	11 U
TO15	2,2,4-Trimethylpentane	ug/m <sup>3</sup>	NA	5.9	3.5 U
TO15	2-Butanone	ug/m <sup>3</sup>	100000	14 U	8.8 U
TO15	2-Hexanone	ug/m <sup>3</sup>	NA	19 U	12 U
TO15	2-Propanol	ug/m <sup>3</sup>	NA	12 U	7.3 U
TO15	3-Chloropropene	ug/m <sup>3</sup>	NA	15 U	9.3 U
TO15	4-Ethyltoluene	ug/m <sup>3</sup>	NA	14	18
TO15	4-Methyl-2-pentanone	ug/m <sup>3</sup>	8000	7.9	7.0
TO15	Acetone	ug/m <sup>3</sup>	35000	160	140
TO15	alpha-Chlorotoluene	ug/m <sup>3</sup>	50	6.2 U	3.8 U
TO15	Benzene	ug/m <sup>3</sup>	310	11	5.8
TO15	Bromodichloromethane	ug/m <sup>3</sup>	140	8.0 U	5.0 U
TO15	Bromoform	ug/m <sup>3</sup>	2200	12 U	7.7 U
TO15	Bromomethane	ug/m <sup>3</sup>	500	46 U	29 U
TO15	Carbon disulfide	ug/m <sup>3</sup>	70000	15 U	9.3 U
TO15	Carbon tetrachloride	ug/m <sup>3</sup>	160	7.5 U	4.7 U
TO15	Chlorobenzene	ug/m <sup>3</sup>	6000	5.5 U	3.4 U
TO15	Chloroethane	ug/m <sup>3</sup>	1000000	12 U	7.9 U
TO15	Chloroform	ug/m <sup>3</sup>	110	5.8 U	3.6 U
TO15	Chloromethane	ug/m <sup>3</sup>	2400	24 U	15 U
TO15	cis-1,2-Dichloroethene	ug/m <sup>3</sup>	3500	4.7 U	3.0 U
TO15	cis-1,3-Dichloropropene	ug/m <sup>3</sup>	NA	5.4 U	3.4 U
TO15	Cyclohexane	ug/m <sup>3</sup>	NA	4.1 U	2.6 U
TO15	Dibromochloromethane	ug/m <sup>3</sup>	100	10 U	6.3 U
TO15	Dichlorodifluoromethane	ug/m <sup>3</sup>	20000	5.9 U	3.7 U
TO15	Ethanol	ug/m <sup>3</sup>	NA	9.0 U	6.5
TO15	Ethylbenzene	ug/m <sup>3</sup>	2200	19	22
TO15	Freon 114	ug/m <sup>3</sup>	NA	8.3 U	5.2 U
TO15	Heptane	ug/m <sup>3</sup>	NA	12	7.2
TO15	Hexachloro-1,3-butadiene	ug/m <sup>3</sup>	110	51 U	32 U
TO15	Hexane	ug/m <sup>3</sup>	20000	9.3	4.4
TO15	Isopropylbenzene	ug/m <sup>3</sup>	40000	5.8 U	3.7 U
TO15	m,p-Xylene	ug/m <sup>3</sup>	NA	64	91
TO15	Methyl tert-butyl ether	ug/m <sup>3</sup>	300000	4.3 U	2.7 U
TO15	Methylene chloride	ug/m <sup>3</sup>	5200	41 U	26 U
TO15	o-Xylene	ug/m <sup>3</sup>	700000	22	30
TO15	Propylbenzene	ug/m <sup>3</sup>	14000	5.8 U	4.9
TO15	Styrene	ug/m <sup>3</sup>	100000	5.1 U	3.2 U
TO15	Tetrachloroethene	ug/m <sup>3</sup>	810	20	51
TO15	Tetrahydrofuran	ug/m <sup>3</sup>	NA	3.5 U	2.2 U
TO15	Toluene	ug/m <sup>3</sup>	40000	810	110
TO15	trans-1,2-Dichloroethene	ug/m <sup>3</sup>	7000	4.7 U	3.0 U
TO15	trans-1,3-Dichloropropene	ug/m <sup>3</sup>	NA	5.4 U	3.4 U
TO15	Trichloroethene	ug/m <sup>3</sup>	22	20	4.0 U
TO15	Trichlorofluoromethane	ug/m <sup>3</sup>	70000	6.7 U	4.2 U
TO15	Vinyl chloride	ug/m <sup>3</sup>	280	3.0 U	1.9 U

**Notes:**

\*C Soil-Gas – U.S. Environmental Protection Agency Target Deep Soil Gas Concentration Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor = 0.01, located in Table 2b: Question 4 Generic Screening Levels and Summary Sheet, *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils*

ft bgs – Feet below ground surface

ug/m<sup>3</sup> – Micrograms per cubic meter

NA – Not Available

U – Not detected at indicated method detection limit

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**APPENDIX A1**  
**HISTORICAL DOCUMENTS SUMMARY**

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**SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA**

**5 - 6 December 2011**

**Amert and Golembiowski Dump Sites**

**Bentley, Michael. International Technology Corporation (IT Corp), Letter to Sandusky County Health Department Re: Submittal of Well Logs. 26 Jan. 1990.**

- Transmission letter for copies of the well log and drilling reports for 13 monitoring wells.

**Board of County Commissioners, Sandusky County. Letter to Mr. Dan Redman, ODH Re: bulk waste disposal Vincent Golembiowski property. 19 April, 1969.**

- Board agrees that if Mr. Vincent Golembiowski's property is approved by ODH as a disposal site for sludge wastes from the Clyde Whirlpool Corporation, the Board would approve same subject to reconsideration of the Board annually.

**Dean, Julie. OEPA, Letter to Mr. Gary Jaeger, Whirlpool Corporation, Re: Amert Disposal Site, Sandusky County, DERR. 26 Oct. 1990.**

- OEPA requested copies of the well logs for the monitoring wells at the Amert Site, a map of the area of concern, and a copy of the hydrogeologic study.
- Also requests information on the type of waste disposed at the Leach Site and what other area industries possibly disposed of waste there.
- Reminder to Whirlpool that OEPA is unable to approve any document without a formal consent order or agreement.

**Dean, Julie. OEPA Telephone Memorandum with Gary Jaeger of Whirlpool Corporation. 30 Oct. 1990.**

- Request from Whirlpool to meet with OEPA on 30 November to discuss the Amert Site. Not prepared to discuss the Leach Site. Whirlpool informed that OEPA needs to know what was disposed at the Leach Site.

**Dean, Julie. OEPA, Active Site Monthly Progress Report. November 1990.**

- Site will be considered a voluntary site. No enforcement activities are planned.
- Do not anticipate involvement by their division due to boron not being a hazardous contaminant.

**Dean, Julie. OEPA Telephone Memorandum with Mary Anne Koebel of Sandusky County Department of Health, 27 Nov. 1990.**

- Health Dept. has acted as a liaison between neighbors and Whirlpool.



## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

- Also references the Leach Site, indicating that it was never capped and is on sandy soil next to the creek. Local hauler Charles Holmer just passed away. He would have known more about the wastes there.

**Dean, Julie, Letter to Mr. Gary Jaeger, Whirlpool Corporation, Re: Amert Disposal Site, Sandusky County, DERR, 11 Dec. 1990.**

- Reiteration of meeting on 30 November 1990 at OEPA in Bowling Green. Whirlpool has suggested purchasing the Amert property once their lease is finished and to aid Mr. August Schraeder with the loss of a portion of his crops north of the landfill.

**Dean, Julie. OEPA, Inter-Office Communication to Mark Besel Re: Notes to the File, MSL Update, Whirlpool Sludge Disposal Site, Sandusky County, OHD982073918. 19 Feb. 1991.**

- Request to change the site from medium to low priority. The Amert Site Investigation report by IT Corporation dated 15 November 1990 indicates that the contaminant of concern is boron, which is not hazardous, so OEPA should not pursue any legal action at this time.

**Dick, Terry. Electronic message to Mary Dennis, Sandusky County Health District Re: dump sites near Clyde. 17 Dec. 2009.**

- Indicates that a dump site was located behind where he used to live was not included in the Sandusky Register article on 17 December 2009. A hand written note on the print-out indicates that the description matches the Golembiowski Dump.
- Indicates that it was a pit that looked like old silver paint off of Green Springs Road, west of Franks Avenue, just north of the woods.

**ESRI. Amert Sludge Lagoons (aerial photograph depicting fill limits, well locations, and building location). Undated.**

**Haley, David. Whirlpool Corporation, Letter to Mr. David Knutsen, OEPA, Re: Submittal of Information Relative to the Amert Disposal Site. 29 Apr. 1988.**

- Submitted a notebook of information concerning the Amert Site and F006 delisting.
- Attachments include:
  - 9 Feb. 1983 letter from Mr. David Haley, Whirlpool Corporation to Ms. Katherine Wilson, OEPA, Re: Amert Disposal Site.
    - To the extent that Whirlpool Clyde Division used the southern disposal area, it was only for non-hazardous waste materials. It was not a lagoon and requested that OEPA stop using the term lagoon.

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

- The second disposal site was constructed by used for surface water run-off only; no solid waste entered that site.
- OEPA did not request a well log when closure plans were discussed. A monitoring well was pounded to a depth of 15 feet. The last 10 feet is a section of slotted PVC.
- History of Amert Sludge Disposal Site (previously summarized herein).
- Map showing the Amert Site with a sampling well and cistern. Golembiowski Site labeled as "Present Junk Dump". Author and date not listed.
- Tabbed Section 1 (Site History and OEPA/HD Correspondence).
  - No disposal records were retained by files suggests 20,000 to 26,000 cubic yards of WWTP solids were transported to the site for disposal.
  - Solids disposed included inorganic porcelain frit. Pickle and phosphating solids.
  - Several maps stamped approved by ODH.
  - 16 June 1970 Letter from ODH to Whirlpool Corporation indicating that plans for proposed temporary industrial waste treatment facilities for Whirlpool Corporation received 14 April 1970 were approved subject to a number of listed conditions.
  - 26 June 1970 Letter from Mr. Harry Manning, Whirlpool Corporation to Mr. George Eagle, ODH acknowledging receipt of ODH's 16 June 1970 letter and indicating that the temporary industrial waste treatment facilities have been completed and placed in operation. The letter also indicates that plans are being pursued to upgrade the quality of the plant effluent and a pilot plant vacuum filter is scheduled to be installed the third week in July.
  - Report on Detail Plans of Whirlpool Corporation Temporary Industrial Waste Sludge Lagoons, Sandusky County prepared by Mr. Dan Redman. Lists construction conditions and recommends approval.
  - 5 October 1977 memorandum from Rollie Jordan to Steve Willis summarizing a meeting with Jack Battles, US Department of Agriculture concerning the proposed subsurface drainage system at the Amert Site. Mr. Battles recommended draining the site to the northwest. The south perimeter perforated pipe should slope to the west and then drain through a solid pipe along the west side of the site. The east perimeter perforated pipe should slope to the north and then drain westward, intercepting the west drain line, running out to ground in the vicinity of the new well point.
  - 2 February 1979 Letter from Bennett Chambers, OEPA, to Mr. Steve Willis, Whirlpool Corporation, suggesting that Whirlpool install an additional

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

monitoring well south of the site and that the monitoring wells and perimeter drain discharge be sampled semi-annually, with results submitted to OEPA.

- 25 June 1980 Letter from Mr. Michael Street, OEPA, to Ms. Carol Madigan, Whirlpool Corporation, providing boron and sodium analysis results from split samples. OEPA recommends resampling by Whirlpool and another private lab before further suggestions can be made regarding site closure.
  - 26 July 1982 Letter from Mr. Dave Haley, Whirlpool Corporation to Mr. Bennett Chambers, OEPA, presenting surface and groundwater monitoring results from May and December 1981 and February 1982.
  - 3 November 1982 Letter from Ms. Katherine Wilson, OEPA to Mr. David Haley, Whirlpool Corporation, posing several questions and requesting information.
  - 9 February 1983 Letter from Mr. David Haley, Whirlpool Corporation, to Ms. Katherine Wilson, OEPA, responding to the above letter dated 3 November 1982.
- Tabbed Section 2 (Site Sampling Results by Whirlpool).
    - Sampling reports for 1981 through 1987.
    - A few reports from 1978 and 1980.
    - “Laboratory reports suggest that certain pollutants may have leached from the site. These include, but may not be limited to” Boron, Sodium, Chromium, Copper, Nickel, Sulfates and Chlorides. Results also suggest that pollutant concentrations have diminished since the site was closed.”
  - Tabbed Section 3 (Site Sampling Reports by Independent Laboratories).
    - Reports for results developed to support the initial site approval process, identifying impact to the surrounding area, and borings to locate the monitoring wells.
  - Tabbed Section 4 (Whirlpool Corporate R&E Correspondence and Environmental Impact Assessments).
    - This section contains numerous pieces of correspondence during the assessment process. A summary at the beginning of Section 4 reads “Soil, water, and vegetation samples were analyzed by Whirlpool’s Corporate R&E Center from September 1975 to August 1980. The majority of the activities centered around vegetation damage and the identification of phytotoxicity from boron contamination. Other pollutants were evaluated, but not identified as being phytotoxic to the surrounding vegetation. Some available information suggests that both Ohio EPA and Whirlpool believed that high level groundwater was a potential source of vegetation damage.”

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

### **IRIS. Boron data sheet. 1 Oct. 1990.**

### **IT Corp. Amert Site Investigation, Volume 1. November 1990.**

- Amert was operated by Whirlpool between 1970 and 1976 as a disposal site for non-hazardous metal hydroxide sludges from treatment of metal finishing wastes, and porcelain solids. Closed in 1977 according to a plan outlined by OEPA in a 21 January 1977 document.
- Design drawings were approved by ODH for industrial waste disposal on 16 June 1970. Developed by excavating a shallow (less than 5-feet deep) 4-acre unlined pit with a small overflow pit of similar construction on the northwest side.
- Solids-laden slurry was drained from tank trucks and allowed to dry. This disposal method was discontinued in 1976 after a vacuum filter was installed in Whirlpool's waste treatment plant.
- Vegetation distress noted in 1975.
- Capped with 1-foot of clay overlain with 1-foot of sand.
- Groundwater interceptor trench installed in 1978 along the south and east sides consisting of perforated pipe and coarse stone. The trenches were reportedly excavated to several feet below the bottom of the landfill. It drains by gravity to an outlet on the north slope.
- After additional complaints of vegetation distress by a landowner to the north of the site, OEPA informed Whirlpool that the site was placed on the CERCLIS list (28 January 1988).
- Geology is an east-west trending ridge of beach sand approximately 20-feet thick which thins to the north and ends near the south edge of the agricultural fields. The sand is underlain by clayey silt and silty clay till that is 50-feet thick.
- In the landfill area, the upper 4 to 6 feet sandy and clayey cap material and waste fill. The fill consisted of layered tan, red, and orange, fine grained clay-like material. The fill is underlain by fine to coarse grained sand.
- The clayey cap materials had liquid limits ranging from 27.9 to 35.9 and plastic limits ranging from 18.0 to 22.5, resulting in plasticity indices of 9.9 to 13.4. The composition and topography of the cap may be inadequate to prevent recharge by rainfall from entering the landfill. There are several small depressions in the upper surface of the cap.
- Groundwater discharges to the ground surface north of the site.
- The drain system was sampled (sample SW-2) and reportedly the "quality of the water is relatively good" with boron, fluoride, and potassium present at slightly above background concentrations.
- Monitoring wells MW-1 and MW-2 were installed to determine background groundwater quality in the shallow sand unit south of the landfill. However, boron concentrations in groundwater from these wells ranged from 14 to 29 mg/l. They report that the source of boron is not known.
- All water wells of record in the area access groundwater in bedrock.
- Fremont, Clyde, and Bellevue obtain municipal water from surface-water sources.
- The 9 waste samples from 3 borings within the landfill were composited into a single waste sample for analysis. Core samples of landfill material were analyzed for 40 CFR 264 Appendix IX

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

substances. No hazardous organic materials were detected in the waste including volatile and extractable organic compounds, pesticides, herbicides, and PCBs. Waste materials were found to contain primarily barium, boron, iron, titanium, and zinc with lower concentrations of arsenic, chromium, cobalt, copper, lead, manganese, nickel, phosphorous, sulfide, and vanadium were detected. "Very low levels of cadmium, cyanide, and thallium were detected." The chromatogram also suggested the presence of lubricating oils. Table 6-2 provides a summary of analytical data.

- Elements in shallow soils which appeared to be elevated north of the site include boron, iron, and sodium.
- The water parameters which appeared to be above background included alkalinity, boron, fluoride, magnesium, potassium, sodium, sulfate, total dissolved solids, and conductivity. Nickel may have been slightly above background levels.
- Environmental samples included 13 groundwater monitoring wells, one domestic well, three surface water, nine sediment cores, and 17 shallow soil samples. The deep bedrock monitoring well along the north edge of the landfill, SB-1, is dual cased and completed at a total depth of 94.5 feet. The remaining monitoring wells vary in depth from 4 to 22.3 feet completed in the sand unit.
- Substances that had migrated northward were boron, sodium, magnesium, potassium, sulfate, and fluoride. Boron appeared to be stressing crops to the north. Boron, chloride, manganese, nickel, and zinc were elevated in shallow groundwater near the site compared to typical levels in domestic bedrock wells.
- Groundwater flow rate in the sand unit was approximately 130 feet per year. Slug tests were performed on five monitoring wells and indicated that the hydraulic conductivity was approximately 17 feet per day.
- Boron was present in spring water which had moved down the vegetated swale northward for several hundred feet and then eastward into an agricultural field.
- No detection of contaminants in the bedrock monitoring well or bedrock drinking water wells.
- The site drains northward into unnamed tributaries of Raccoon Creek.

### **IT Corp. Amert Site Investigation, Volume II. November 1990.**

- Contains lab reports, local water well logs, and IT Corp's work plan.

### **Jaeger, Gary. Whirlpool Corporation, Letter to Ms. Julie Dean, OEPA, Re: Report on Investigation of Amert Site. 13 Nov. 1990.**

- Transmittal letter for two copies of the Amert Site Investigation Report to OEPA.

### **Jordan, Roland. Whirlpool Corporation, Letter to Mr. Dan Redman, ODH, Re: disposal of industrial waste treatment plant sludge. 18 Jul. 1969.**

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

- Response to Mr. Redman's letter of 10 July 1969 to Whirlpool's plant manager concerning industrial waste treatment plant sludge.
- Indicates that Whirlpool feels that a solution is not easily available in the area. Requested a meeting to also include Mr. Dern, Sandusky County Supervising Sanitarian.

**Ko, Chi S. thru Wick, Elizabeth. Interoffice Communication with map attachment to Bryce Dunlavy, Unit Supervisor, DERR. 1 Aug. 1990.**

- DWPC received 2 complaints of dump sites located off of CR 213 southwest of Clyde. Mary Ann Koebel of the local health department indicated that the County has files on the sites (Amert and Leach Sites). DWPC requested that DERR investigate the complaints and attached a map of the dump locations.

**Material Safety Data Sheet for boron.**

**Material Safety Data Sheet for boron.**

**Merck. boron data sheet, undated.**

**Onyia, A. Edward. OEPA, Letter to Mr. Gary Jaeger, Whirlpool Corporation, Re: Amert Disposal Site, Sandusky County, DERR. 15 Oct. 1990.**

- Informs Whirlpool that OEPA is no longer able to render oversight or review documents, including no longer commenting upon, recommending, or approving documents or standards, including clean-up levels, without a legal binding agreement or order between OEPA and the potentially responsible party.
- Provided Whirlpool with a copy of the OEPA "How Clean is Clean" policy.

**Redman, Dan. ODH, Letter to Mr. Vince Golembiowski, Re: Sandusky County solid waste. 21 Apr. 1969.**

- References a 28 February 1969 letter from Mr. Golembiowski and subsequent telephone conversation regarding Mr. Golembiowski's landfill operation near Clyde.
- Industrial waste material from Whirlpool Corporation is hauled to the site by tank truck. Approximately 4 million gallons of a slurry mixture is deposited over a 2-3 month period starting in the spring and allowed to dry to a firm condition and used as fill.
- Continued use of the site after 1 July 1969 will require compliance with the regulations.
- Reminds Mr. Golembiowski that the Sandusky County Board of Commissioners established a county-wide refuse district and therefore must be favorable toward development of a landfill prior to any approval action by ODH.

**Redman, Dan. ODH, Letter to Whirlpool Corporation Plant Manager, Re: solid waste disposal. 10 July 1969.**

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

- Goal of ODH's intentions are to provide a satisfactory method of disposal of the waste in accordance with the new State solid waste law which became fully effective on 1 July 1969.
- Disposal of the slurry in the recent past was on property leased by Mr. Vincent Golembiowski, who had been sent a letter explaining status of future operations at his site.
- On 9 July 1969, Mr. Charles Homler contacted ODH requesting the same information as Mr. Golembiowski. He was directed to contact Mr. Golembiowski instead of ODH repeating everything.
- Neither Mr. Golembiowski or Mr. Homler owns the site. ODH doubted the actual owner would want to go through the landfill approval process.
- Requested that Whirlpool examine the situation and suggested that a better treatment and disposal method may be possible.

**Sandusky County Auditor's G.I.S. Office. tax map printout depicting Whirlpool former Amert Sludge Lagoon Site. undated.**

**Snyder, Steve. Electronic mail Re: Golembiowski Site – Whirlpool to Eric Getz cc. Mike Czezele and Shannon Nabors. 20 Nov. 2009.**

- Site visit with Mary Dennis and Mark DelGarbino to Amert and Golembiowski Dump Sites on 2 November 2009.
- Limits of removal very closely matched suspected waste limits based on historic aerial photographs.
- Suspected sand and stone knoll was mined then the depression filled with waste and burned. Depths of previous waste placement estimated at 3 to 5 feet near the center.
- Water level maintained by a 12-inch vitrified clay field tile that is broken and drains to the west. Whirlpool indicates that the tile connects with a county tile running parallel to Co. Rd. 236 (Spayed Rd).
- No visible signs of waste, debris, contamination, or environmental concerns.
- Manhole (hand dug well) in the northwest corner of the Amert Site was standing full of water.
- 1990 SI Report indicates that the landfill was constructed within an approximately 20-foot thick beach sand ridge with silty clay soils beneath. Groundwater within the sand naturally discharges to a low area (toe of the feature) in the northwest corner of the site.
- The under drain system was constructed in 1978, reportedly along the south and east sides, to keep the landfill contents above groundwater. The drain discharges in the northwest corner of the site.

**Takats, Joseph. OEPA, Letter to Mr. Steve Willis of Whirlpool, Re: Closing of the Amert Sludge Disposal Site. 21 Jan. 1977.**

- Stated that the closure plan outlined in Mr. Willis' letter of 16 December 1976 appeared inadequate.

## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

- OEPA recommended the following improvements:
  - Sandy loam instead of sand atop the clay cap.
  - Construction of a perimeter tile 1-foot below the bottom of the sludge lagoon and 6 to 8 feet from the east and south sides of the lagoon. The trench should be filled with 1 to 1.25-inch diameter washed gravel, covered with a layer of straw, and 4-inches of topsoil.
  - Installation of a well point in the northwest corner of the property with a screen length not exceeding 5-feet and a depth not more than 10-feet below the bottom of the sludge lagoon.
- Requested submittal of revised drawings including depiction of the perimeter drain, its discharge location, monitoring wells, and sludge thicknesses.

### **Unknown author. 2000 aerial photograph with tax map overlay showing Amert and Golembiowski Sites.**

- Land use appears similar to current conditions.

### **Unknown author. 1977 aerial photograph showing the Amert and Golembiowski Sites.**

- Amert Site has light colored area that stops short of the north fence line and appears to extend slightly onto the property to the east. Golembiowski Site has a light colored area in the center of the property with possibly disturbed area (field or disturbed earth) extending predominantly to the west and south onto the adjacent property to the southwest. Cannot determine land use in the possibly disturbed area from the photocopy.

### **Unknown author. 1970 aerial photograph showing the Amert and Golembiowski Sites.**

- Amert Site has a light colored area covering most of the property with the exception of the northeast corner. The Golembiowski Site has a light colored area encompassing much of the center of the property but does not appear to extend off the property.

### **Unknown author. 1970 aerial photograph showing the Amert, Leach, and Golembiowski Sites.**

- Similar observations of the Amert and Golembiowski as above. The Leach Site appears to have a light colored area extending from the west limits of the southern parcel west to the wooded tree line at the drain and encompassing the entire property limits from north to south.

### **Unknown author. sign-in sheet for 30 November 1990 meeting referenced in 11 December 1990 letter from Julie Dean.**



## SUMMARIES OF DOCUMENTS OBTAINED FROM OHIO EPA

5 - 6 December 2011

- Meeting attendees were Julie Dean (OEPA), Michael Bentley (IT Corp), Gary Jaeger, Dave Haley, and Steve Willer (all from Whirlpool), and Jeff Wander (OEPA).

### **Unknown author. History of Amert Disposal Site.**

- 18 May 1970 lease initiated.
- 20 May 1970 ODH required Whirlpool to control site operations.
- August 1975 problems first noticed.
- July 1976 Whirlpool discontinues all use of the disposal site.
- 21 January 1977 OEPA indicates that closure appears inadequate.
- May 1979 planted crop test plots.
- 1981 to 1987 Whirlpool conducted biannual groundwater sampling.
- 17 January 1990 received Battelle's "Evaluation of Soil Contaminations and Concentrations in Crop Production Fields".
- 13 November 1990 sent "The Amert Site Investigation Report" to OEPA.

### **Whirlpool Corporation. Straight Bill of Lading to OEPA, indistinguishable contents description. 15 Nov. 1990.**

- Cannot determine contents from the bill of lading. Signed by "Julie" as received on 15 November 1990 by OEPA.

### **Willis, Steve. Whirlpool Corporation, Letter to Mr. Joe Takats, OEPA Re: Closing of the Whirlpool sludge disposal site southwest of Clyde. 16 Dec. 1976.**

- Provided Whirlpool's closure plan for the Amert sludge disposal site.
- Proposed a cap consisting of 12-inches of clay and 6-inches of sand graded to a minimum slope of 0.4% and seeded.

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**APPENDIX A2**  
**EDR REPORT**

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**Amert Golembiowski Leach Dumps**

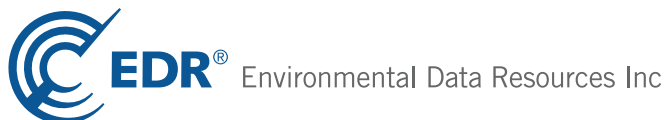
1682 County Road 236

Clyde, OH 43410

Inquiry Number: 3225018.46s

December 15, 2011

**The EDR Radius Map™ Report with GeoCheck®**



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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1682 COUNTY ROAD 236  
CLYDE, OH 43410

#### COORDINATES

Latitude (North): 41.297700 - 41° 17' 51.7"  
Longitude (West): 83.008700 - 83° 0' 31.3"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 331818.6  
UTM Y (Meters): 4573539.0  
Elevation: 678 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41083-C1 FREMONT EAST, OH  
Most Recent Revision: 1980  
  
East Map: 41082-C8 CLYDE, OH  
Most Recent Revision: 1969

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

NPL..... National Priority List

## EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent CERCLIS***

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Licensed Solid Waste Facilities

### ***State and tribal leaking storage tank lists***

LUST..... Leaking Underground Storage Tank File  
UNREG LTANKS..... Ohio Leaking UST File  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

UST..... Underground Storage Tank File  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

## EXECUTIVE SUMMARY

### ***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Sites with Engineering Controls  
INST CONTROL..... Sites with Institutional Engineering Controls  
HIST ENG CONTROLS..... Operation & Maintenance Agreements Database  
HIST INST CONTROLS..... Institutional Controls Database

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Action Program Sites

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Ohio Brownfield Inventory

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
SWRCY..... Recycling Facility Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### ***Local Lists of Hazardous waste / Contaminated Sites***

US CDL..... Clandestine Drug Labs  
CDL..... Clandestine Drug Lab Locations  
US HIST CDL..... National Clandestine Laboratory Register

#### ***Local Lists of Registered Storage Tanks***

ARCHIVE UST..... Archived Underground Storage Tank Sites

#### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System

#### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Emergency Response Database

#### ***Other Ascertainable Records***

RCRA-NonGen..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data

## EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Listing
DRYCLEANERS.....	Drycleaner Facility Listing
NPDES.....	NPDES General Permit List
AIRS.....	Title V Permits Listing
USD.....	Urban Setting Designation Sites
HIST USD.....	Urban Setting Designations Database
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
CRO.....	Cessation of Regulated Operations Facility Listing
COAL ASH.....	Coal Ash Disposal Site Listing

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/09/2011 has revealed that there are 2



## EXECUTIVE SUMMARY

CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>WHIRLPOOL CORPORATION</i>	<i>119 BIRDSEYE ST</i>	<i>ENE 1/2 - 1 (0.987 mi.)</i>	<i>A5</i>	<i>11</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CLYDE PAINT AND SUPPLY COMPANY</i>	<i>435 WEST MULBERRY STREEE</i>	<i>1/2 - 1 (0.799 mi.)</i>	<i>2</i>	<i>7</i>

### ***State- and tribal - equivalent CERCLIS***

DERR: The DERR database is an index of sites for which Ohio EPA maintains files. It includes sites with known or suspected contamination, but a site's inclusion in the database does not mean that it is now or has ever been contaminated.

A review of the DERR list, as provided by EDR, and dated 08/22/2011 has revealed that there is 1 DERR site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LEACH DISPOSAL SITE</i>	<i>CR-236</i>	<i>S 0 - 1/8 (0.110 mi.)</i>	<i>1</i>	<i>7</i>

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

HIST LF: A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970s.

A review of the HIST LF list, as provided by EDR, and dated 01/01/1980 has revealed that there is 1 HIST LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LEACH DISPOSAL SITE</i>	<i>CR-236</i>	<i>S 0 - 1/8 (0.110 mi.)</i>	<i>1</i>	<i>7</i>

#### ***Other Ascertainable Records***

TOWNGAS: The database includes 82 very old sites (circa 1895) which produced gas from coal for street lighting. Most visual evidence of these sites has disappeared, however the potential for buried coal tar remains. The database is no longer in active use.

A review of the TOWNGAS list, as provided by EDR, and dated 07/28/1992 has revealed that there is 1 TOWNGAS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CLYDE GAS COMPANY</i>	<i>BIRDSEYE STREET AT RR</i>	<i>ENE 1/2 - 1 (0.977 mi.)</i>	<i>A3</i>	<i>10</i>

## EXECUTIVE SUMMARY

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

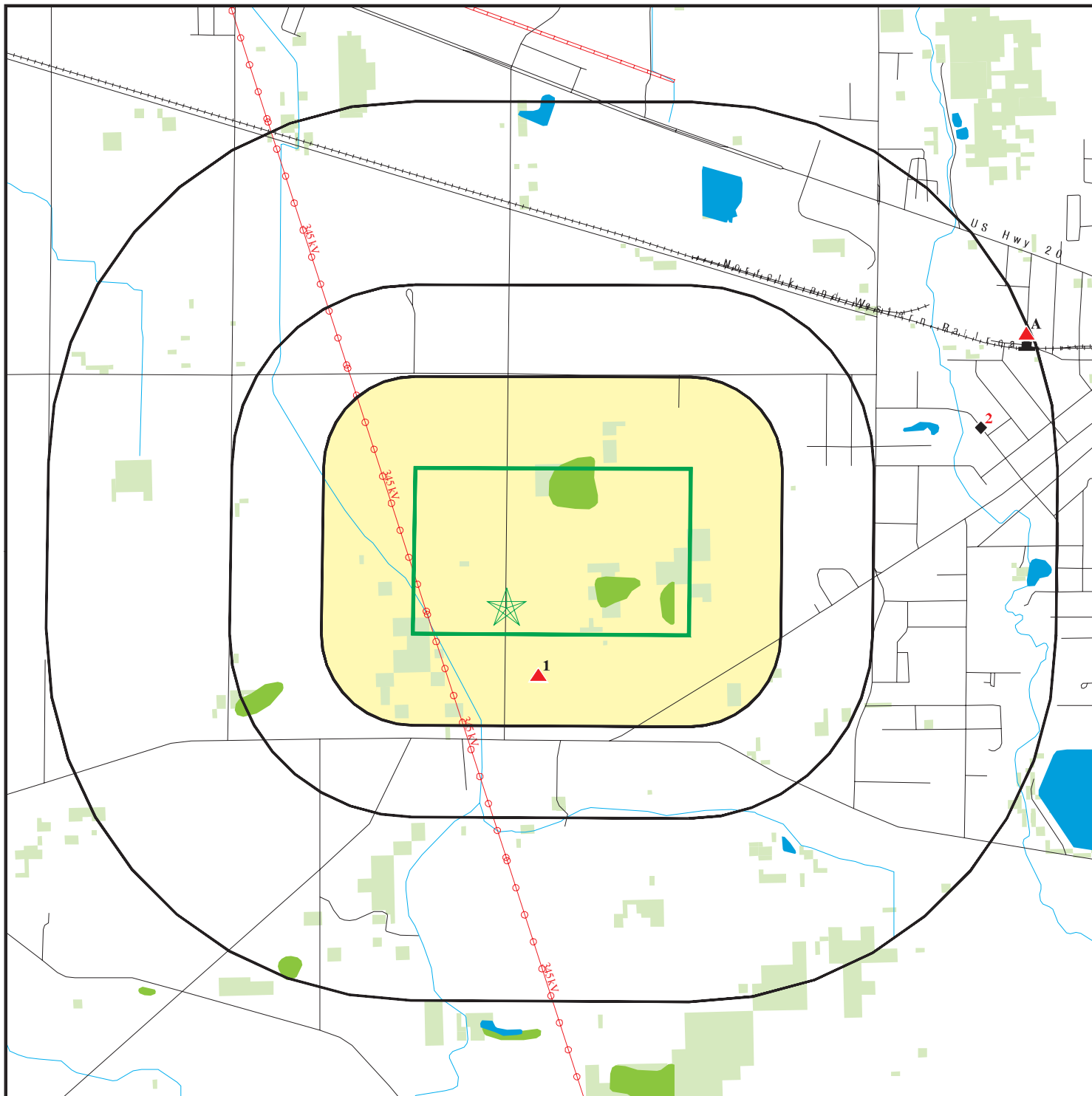
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLYDE GAS COMPANY	BIRDSEYE STREET AT RR	ENE 1/2 - 1 (0.977 mi.)	A4	11

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

<u>Site Name</u>	<u>Database(s)</u>
CLYDE COMPOST FACILITY	SWF/LF
FREMONT COMPOST FACILITY	SWF/LF
CONTINENTAL ESTATE LTD	LUST, UST
EVERGREEN GRAIN CO.	UST
MEYER TERRY CHEVROLET BUICK OLDSMO	RCRA-SQG, FINDS
OHIO TURNPIKE COMMISSION	RCRA-NonGen, FINDS
FREMONT GAS COMPANY	TOWNGAS

# OVERVIEW MAP - 3225018.46s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

National Wetland Inventory

State Wetlands

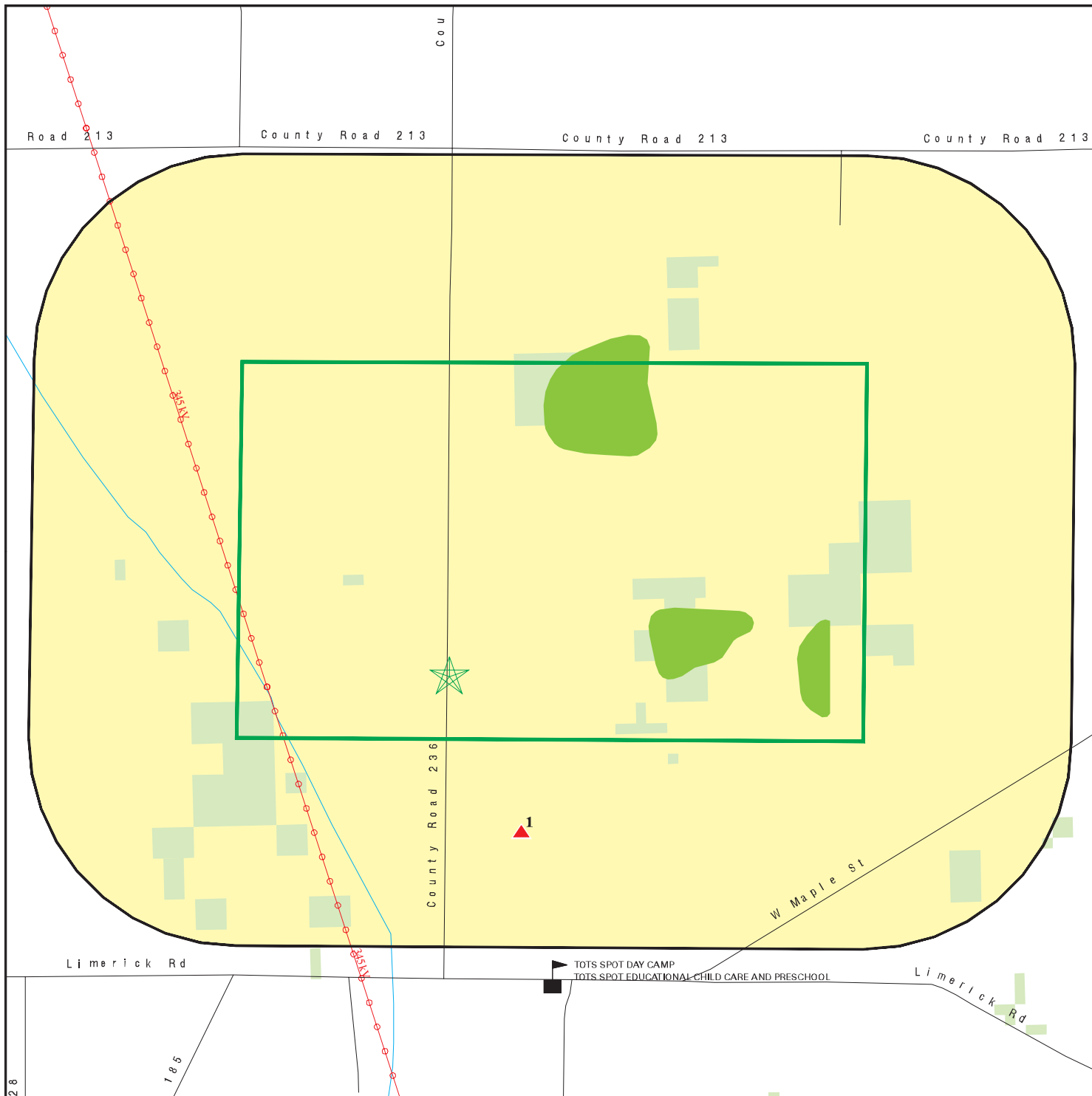









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: Amert Golembiowski Leach Dumps  
 ADDRESS: 1682 County Road 236  
 Clyde OH 43410  
 LAT/LONG: 41.2977 / 83.0087

CLIENT: Weston Solutions, Inc.  
 CONTACT: TJ Mcfarland  
 INQUIRY #: 3225018.46s  
 DATE: December 15, 2011 10:31 am

# DETAIL MAP - 3225018.46s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: Amert Golembiowski Leach Dumps          ADDRESS: 1682 County Road 236          Clyde OH 43410          LAT/LONG: 41.2977 / 83.0087</p>	<p>CLIENT: Weston Solutions, Inc.          CONTACT: TJ Mcfarland          INQUIRY #: 3225018.46s          DATE: December 15, 2011 10:32 am</p>
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## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS		1.000	0	0	0	2	NR	2
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS		TP	NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A
DERR		1.000	1	0	0	0	NR	1
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF		0.500	0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST		0.500	0	0	0	NR	NR	0
UNREG LTANKS		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST		0.250	0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
HIST ENG CONTROLS		0.500	0	0	0	NR	NR	0
HIST INST CONTROLS		0.500	0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
HIST LF		0.500	1	0	0	NR	NR	1
SWRCY		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
ARCHIVE UST		0.250	0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
TOWNGAS		1.000	0	0	0	1	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
USD		0.500	0	0	0	NR	NR	0
HIST USD		0.500	0	0	0	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
CRO	TP		NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

Manufactured Gas Plants		1.000	0	0	0	1	NR	1
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#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
South  
< 1/8  
0.110 mi.  
582 ft.

**LEACH DISPOSAL SITE**  
**CR-236**  
**CLYDE, OH 43410**

**DERR** **S100037556**  
**HIST LF** **N/A**

**Relative:**  
**Higher**

**DERR:**  
DERR ID: 372001251  
District: NWDO  
Alias: Not reported  
Lat/Long: 41.294444439999999 -83.00972222  
EPA ID: Not reported  
**Program: Not reported**  
Contact Phone: (419) 352-8461

**Actual:**  
**680 ft.**

**LF\_HIST:**  
Year closed: 1971  
Publicly owned: Yes  
Location: NEXT TO WHIRLPOOL DISPOSAL SITE. FORMERLY USED BY WHIRLPOOL.  
Lat/Long: 41 17 40 83 00 35  
Waste Type: INDUSTRIAL  
Capacity: UNKNOWN  
SWF ID: N  
Owner Name: RON & CYNTHIA GROVER  
Owner Address: 1672 CR-236  
Owner City,St,Zip: CLYDE 43410  
Ohio ID: 372-1251  
District: 3

2  
East  
1/2-1  
0.799 mi.  
4219 ft.

**CLYDE PAINT AND SUPPLY COMPANY**  
**435 WEST MULBERRY STREET**  
**CLYDE, OH 43410**

**CERC-NFRAP** **1000185627**  
**CORRACTS** **OHD005048459**  
**RCRA-NonGen**  
**FINDS**

**Relative:**  
**Lower**

**CERC-NFRAP:**  
Site ID: 0506971  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: Deferred to RCRA

**Actual:**  
**672 ft.**

**Program Priority:**  
Description: Great Lakes  
Description: RCRA Deferral Audit  
Description: RCRA Deferral - Lead Confirmed

**CERCLIS-NFRAP Assessment History:**  
Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 05/21/1991  
Priority Level: Not reported  
Action: PRELIMINARY ASSESSMENT  
Date Started: Not reported  
Date Completed: 10/28/1992  
Priority Level: Deferred to RCRA (Subtitle C)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLYDE PAINT AND SUPPLY COMPANY (Continued)**

**1000185627**

Action: ARCHIVE SITE  
Date Started: Not reported  
Date Completed: 12/27/1995  
Priority Level: Not reported

**CORRACTS:**

EPA ID: OHD005048459  
EPA Region: 05  
Area Name: ENTIRE FACILITY  
Actual Date: 05/01/2009  
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary  
NAICS Code(s): Not reported  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: OHD005048459  
EPA Region: 05  
Area Name: ENTIRE FACILITY  
Actual Date: 07/01/2006  
Action: CA001  
NAICS Code(s): Not reported  
Original schedule date: Not reported  
Schedule end date: Not reported

**RCRA-NonGen:**

Date form received by agency: 05/11/2005  
Facility name: NAGY AUTO BODY  
Facility address: 435 MULBERRY ST  
CLYDE, OH 43410  
EPA ID: OHD005048459  
Contact: LYNN L NAGY  
Contact address: 435 MULBERRY ST  
CLYDE, OH 43410  
Contact country: US  
Contact telephone: (419) 547-8447  
Contact email: Not reported  
EPA Region: 05  
Land type: Facility is not located on Indian land. Additional information is not known.  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: NAGY LYNN L  
Owner/operator address: ADDRESS NOT REPORTED  
CITY NOT REPORTED, AK 99998  
Owner/operator country: Not reported  
Owner/operator telephone: (312) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLYDE PAINT AND SUPPLY COMPANY (Continued)**

**1000185627**

Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/27/1990  
Facility name: NAGY AUTO BODY  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1985  
Facility name: NAGY AUTO BODY  
Classification: Not a generator, verified

Date form received by agency: 01/01/1979  
Facility name: NAGY AUTO BODY  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:

Event date: 07/01/2006  
Event: CA001

Event date: 05/01/2009  
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLYDE PAINT AND SUPPLY COMPANY (Continued)**

**1000185627**

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/11/2005  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 09/27/1990  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/29/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 04/25/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

FINDS:

Registry ID: 110004598025

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

**A3  
ENE  
1/2-1  
0.977 mi.  
5161 ft.**

**CLYDE GAS COMPANY  
BIRDSEYE STREET AT RR  
CLYDE, OH 43410**

**TOWNGAS S105743201  
N/A**

**Site 1 of 3 in cluster A**

**Relative:  
Higher**

TWNGAS:  
District: 3  
Lat/Long: 41 19 27 / 82 58 22  
Process: WATER GAS

**Actual:  
679 ft.**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A4**  
**ENE**  
**1/2-1**  
**0.977 mi.**  
**5161 ft.**

**CLYDE GAS COMPANY**  
**BIRDSEYE STREET AT RR**  
**CLYDE, OH 43410**

**Manufactured Gas Plants**

**1008407576**  
**N/A**

**Site 2 of 3 in cluster A**

**Relative:**  
**Higher**

Manufactured Gas Plants:  
No additional information available

**Actual:**  
**679 ft.**

**A5**  
**ENE**  
**1/2-1**  
**0.987 mi.**  
**5212 ft.**

**WHIRLPOOL CORPORATION**  
**119 BIRDSEYE ST**  
**CLYDE, OH 43410**

**CORRACTS**

**1000364616**  
**43410WHRLP11**

**Site 3 of 3 in cluster A**

**RCRA-LQG**  
**TRIS**  
**FINDS**  
**UIC**  
**LUST**  
**UST**  
**SPILLS**

**Relative:**  
**Higher**

**CORRACTS:**

**Actual:**  
**678 ft.**

EPA ID: OHD005048335  
EPA Region: 05  
Area Name: ENTIRE FACILITY  
Actual Date: 07/01/2006  
Action: CA001  
NAICS Code(s): 335224  
Household Laundry Equipment Manufacturing  
Original schedule date: Not reported  
Schedule end date: Not reported

**RCRA-LQG:**

Date form received by agency: 03/02/2009  
Facility name: WHIRLPOOL CORPORATION  
Facility address: 119 BIRDSEYE STREET  
CLYDE, OH 43410  
EPA ID: OHD005048335  
Contact: MARK T DELGARBINO  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (419) 547-2189  
Contact email: MARK\_T\_DELGARBINO@WHIRLPOOL.COM  
EPA Region: 05  
Land type: Private  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Owner/Operator Summary:

Owner/operator name: WHIRLPOOL CORPORATION  
Owner/operator address: 119 BIRDSEYE STREET  
CLYDE, OH 43410  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: WHIRLPOOL CORPORATION  
Owner/operator address: 119 BIRDSEYE STREET  
CLYDE, OH 43410  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1952  
Owner/Op end date: Not reported

Owner/operator name: WHIRLPOOL CORPORATION  
Owner/operator address: 119 BIRDSEYE STREET  
CLYDE, OH 43410  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1952  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Waste type: Thermostats  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: Yes

Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: Yes

Historical Generators:

Date form received by agency: 03/26/2008  
Facility name: WHIRLPOOL CORPORATION  
Classification: Large Quantity Generator

Date form received by agency: 05/31/2007  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORP  
Classification: Large Quantity Generator

Date form received by agency: 02/27/2007  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 06/22/2006  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL  
Classification: Large Quantity Generator

Date form received by agency: 04/03/2006  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 03/01/2005  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004  
Facility name: WHIRLPOOL CORPORATION  
Classification: Large Quantity Generator

Date form received by agency: 03/03/2003  
Facility name: WHIRLPOOL CORPORATION  
Classification: Large Quantity Generator

Date form received by agency: 10/02/2002  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 02/28/2000  
Facility name: WHIRLPOOL CORPORATION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 02/25/1998  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 01/01/1996  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 02/22/1994  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION, CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 03/01/1993  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORP CLYDE DIV  
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 02/27/1990  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORPORATION CLYDE DIVISION  
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORP CLYDE DIV  
Classification: Not a generator, verified

Date form received by agency: 01/01/1979  
Facility name: WHIRLPOOL CORPORATION  
Site name: WHIRLPOOL CORP CLYDE DIV  
Classification: Large Quantity Generator

**Corrective Action Summary:**

Event date: 07/01/2006  
Event: CA001

**Facility Has Received Notices of Violations:**

Regulation violated: Not reported  
Area of violation: TSD IS-General Facility Standards  
Date violation determined: 05/23/2007  
Date achieved compliance: 07/03/2007  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/05/2007  
Enf. disposition status: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: Not reported  
Area of violation: Universal Waste - Small Quantity Handlers  
Date violation determined: 05/23/2007  
Date achieved compliance: 05/23/2007  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/05/2007  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 04/04/2006  
Date achieved compliance: 04/04/2006  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/04/2006  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-75  
Area of violation: Generators - Records/Reporting  
Date violation determined: 01/04/2001  
Date achieved compliance: 05/03/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-34(C)(2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/05/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(C)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(C)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/01/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(D)(4)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/04/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-11  
Area of violation: Generators - General  
Date violation determined: 01/04/2001  
Date achieved compliance: 08/01/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(D)(4)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/01/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(C)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/04/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-11  
Area of violation: Generators - General  
Date violation determined: 01/04/2001  
Date achieved compliance: 08/01/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/04/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SS - 3734.02(F)  
Area of violation: TSD - General  
Date violation determined: 01/04/2001  
Date achieved compliance: 05/03/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(C)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/03/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(D)(4)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/03/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(D)(4)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/12/2002  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-34(C)(2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 01/04/2001  
Date achieved compliance: 06/05/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/03/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Paid penalty amount: 0

Regulation violated: SR - 3745-52-34(C)(1)(b)  
Area of violation: Specific - Boilers and Industrial Furnaces  
Date violation determined: 01/04/2001  
Date achieved compliance: 05/03/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-20(A)  
Area of violation: Generators - Manifest  
Date violation determined: 01/04/2001  
Date achieved compliance: 05/03/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/31/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-52-11  
Area of violation: Generators - General  
Date violation determined: 01/04/2001  
Date achieved compliance: 08/01/2001  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/03/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-33  
Area of violation: Generators - Pre-transport  
Date violation determined: 04/15/1997  
Date achieved compliance: 12/03/1997  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/25/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Regulation violated: SR - 3745-65-52  
Area of violation: Generators - Pre-transport  
Date violation determined: 04/15/1997  
Date achieved compliance: 12/03/1997  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/25/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-66-73(A)  
Area of violation: Generators - Pre-transport  
Date violation determined: 04/15/1997  
Date achieved compliance: 12/03/1997  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/25/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-66-74(B)  
Area of violation: Generators - Pre-transport  
Date violation determined: 04/15/1997  
Date achieved compliance: 12/03/1997  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/25/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Regulation violated: SR - 3745-65-16(A)(B)(C)(D)  
Area of violation: Generators - General  
Date violation determined: 10/24/1990  
Date achieved compliance: 03/11/1991  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/30/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 0  
Final penalty amount: 0  
Paid penalty amount: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Evaluation Action Summary:

Evaluation date: 07/03/2007  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/23/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Universal Waste - Small Quantity Handlers  
Date achieved compliance: 05/23/2007  
Evaluation lead agency: State

Evaluation date: 05/23/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-General Facility Standards  
Date achieved compliance: 07/03/2007  
Evaluation lead agency: State

Evaluation date: 04/04/2006  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 04/04/2006  
Evaluation lead agency: State

Evaluation date: 04/04/2003  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 11/08/2002  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 06/12/2002  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 05/03/2001  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Manifest  
Date achieved compliance: 05/03/2001  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Area of violation: Generators - General  
Date achieved compliance: 08/01/2001  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Specific - Boilers and Industrial Furnaces  
Date achieved compliance: 05/03/2001  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 05/03/2001  
Evaluation lead agency: State

Evaluation date: 01/04/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 06/05/2001  
Evaluation lead agency: State

Evaluation date: 04/15/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 12/03/1997  
Evaluation lead agency: State

Evaluation date: 10/24/1990  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Generators - General  
Date achieved compliance: 03/11/1991  
Evaluation lead agency: State

Evaluation date: 10/24/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 09/13/1988  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 09/13/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

TRIS:

[Click this hyperlink](#) while viewing on your computer to access 8 additional US\_TRIS: record(s) in the EDR Site Report.

FINDS:



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Registry ID: 110000383166

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The OH-CORE (Ohio - Core) database contains information commonly shared among the Ohio EPA environmental programs. The information is facility-based, general in nature, and used to support specific programmatic systems while simultaneously maintaining an inventory of common facility-related data. Specific programmatic details are maintained in programmatic databases.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WHIRLPOOL CORPORATION (Continued)

1000364616

UIC:

Facility Id Number: 895  
Facility Status: Not reported  
Latitude: 41.308534999999999  
Longitude: -82.981634999999997  
Number Of UIC Wells: Not reported  
Type Of UIC Well: No well  
Type Description: Not reported  
Status: Not reported  
UIC Number: Not reported  
Buisness Active: False  
Well Id: Not reported  
Well construction: Not reported  
Latitude Of Well1: Not reported  
Longitude Of Well1: Not reported  
Latitude Of Well2: Not reported  
Longitude Of Well2: Not reported  
Latitude Of Well3: Not reported  
Longitude Of Well3: Not reported  
Latitude Of Well4: Not reported  
Longitude Of Well4: Not reported  
Latitude Of Well5: Not reported  
Longitude Of Well5: Not reported  
Latitude Of Monitoring Well: Not reported  
Longitude Of Monitoring Well: Not reported

LUST:

Release Number: 72000195-N00001  
Release Date: 1/19/1990  
**Facility Status: Active**  
LTF Status: 1 SUS/CON from regulated UST  
**FR Status: CON: a release is confirmed**  
Priority: 2  
Review Date: 4/1/2011  
Class: E

Release Number: 72000195-N00002  
Release Date: 12/6/1991  
**Facility Status: Active**  
LTF Status: 6 Closure of regulated UST  
**FR Status: NFA: No Further Action**  
Priority: 2  
Review Date: 4/19/2007  
Class: Viable Responsible Party has been identified

Release Number: 72000195-N00003  
Release Date: 12/3/2007  
**Facility Status: Active**  
LTF Status: 6 Closure of regulated UST  
**FR Status: NCR: No closure report received letter sent**  
Priority: 2  
Review Date: 4/1/2011  
Class: E

Facility:

Facility ID: 72000195

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Facility Type: Not reported  
24 Hr Emergency Contact: Not reported  
24 Hr Emergency Phone: Not reported  
Number Of Tanks On Site: Not reported  
Local Fire Department: CLYDE FIRE DEPARTMENT  
Delegated Authority: No  
Elig For Green Buckeye Award: Not reported  
Active Release Site: Yes  
Owner Id: W004294  
Owner Name: WHIRLPOOL CORP.  
Owner Address: 119 BIRDSEYE ST  
Owner City/State/Zip: CLYDE, OH 43410  
Owner Phone: (419) 547-7711

Inspection:  
Facility Id: 72000195  
Inspection Id: 12/3/07  
Code: 103  
Permit Number: P00001  
Inspection Type: Final

Permit:  
Facility Id: 72000195  
Permit Id: P00001  
Permit Status: Closed  
Issued Date: 10/19/2007  
Lfd Permit Id: Not reported

UST:  
Tank ID: T00001  
**Tank Status: Filled in Place With Solid Material**  
Tank Type: Steel;Other  
Capacity: 8000  
Content: Unknown  
CAS #: Not reported  
Regulated: Yes  
Overfill Device Installed: No  
Spill Device Installed: No  
AST/UST: UST  
Installation Date: 1/1/1954  
Date Removed: Not reported  
Date Last Used: 1/1/1988  
Date Abandoned/Closed: 12/3/2007  
Corrosion Protection Tank: Not reported  
Release Detection on Tank: Not reported  
Corrosion Protection Piping: Not reported  
Piping Material: Bare Steel  
Piping Type: Not reported  
Release Detection on Piping: Not reported

Tank ID: T00002  
**Tank Status: Removed**  
Tank Type: Steel  
Capacity: 5000  
Content: Unknown  
CAS #: Not reported  
Regulated: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

Overfill Device Installed: No  
Spill Device Installed: No  
AST/UST: UST  
Installation Date: 1/1/1959  
Date Removed: 12/18/1989  
Date Last Used: 12/18/1989  
Date Abandoned/Closed: Not reported  
Corrosion Protection Tank: Not reported  
Release Detection on Tank: Not reported  
Corrosion Protection Piping: Not reported  
Piping Material: Bare Steel  
Piping Type: Not reported  
Release Detection on Piping: Not reported

Tank ID: T00003  
**Tank Status: Removed**  
Tank Type: Steel  
Capacity: 6000  
Content: Unknown  
CAS #: Not reported  
Regulated: Yes  
Overfill Device Installed: No  
Spill Device Installed: No  
AST/UST: UST  
Installation Date: 1/1/1956  
Date Removed: 12/18/1989  
Date Last Used: 12/18/1989  
Date Abandoned/Closed: Not reported  
Corrosion Protection Tank: Not reported  
Release Detection on Tank: Not reported  
Corrosion Protection Piping: Not reported  
Piping Material: Bare Steel  
Piping Type: Not reported  
Release Detection on Piping: Not reported

**SPILLS:**

Spill No.: 9110-72-4483  
Spill Year: 1991  
Date Spill Reported: 10/22/91  
Spill Month: 10  
Spill Number: 4483  
Reporter Name: COMPANY  
Confidential: No  
District Code: NW  
County Code: 72  
Employee Number: Not reported  
Lat/Long: Not reported  
Product Spilled Name: WASTE WATER

Spill No.: 9210-72-4301  
Spill Year: 1992  
Date Spill Reported: 10/04/92  
Spill Month: 10  
Spill Number: 4301  
Reporter Name: COMPANY  
Confidential: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WHIRLPOOL CORPORATION (Continued)**

**1000364616**

District Code: NW  
County Code: 72  
Employee Number: Not reported  
Lat/Long: Not reported  
Product Spilled Name: SEWAGE

Spill No.: 9208-72-3732  
Spill Year: 1992  
Date Spill Reported: 08/25/92  
Spill Month: 8  
Spill Number: 3732  
Reporter Name: COMPANY  
Confidential: No  
District Code: NW  
County Code: 72  
Employee Number: Not reported  
Lat/Long: Not reported  
Product Spilled Name: OIL

Spill No.: 9205-72-2207  
Spill Year: 1992  
Date Spill Reported: 05/29/92  
Spill Month: 5  
Spill Number: 2207  
Reporter Name: COMPANY  
Confidential: No  
District Code: NW  
County Code: 72  
Employee Number: 1775  
Lat/Long: Not reported  
Product Spilled Name: FUEL OIL

Spill No.: 9309-72-3959  
Spill Year: 1993  
Date Spill Reported: 09/22/93  
Spill Month: 9  
Spill Number: 3959  
Reporter Name: COMPANY  
Confidential: No  
District Code: NW  
County Code: 72  
Employee Number: Not reported  
Lat/Long: Not reported  
Product Spilled Name: SOLUABLE OIL

[Click this hyperlink](#) while viewing on your computer to access  
5 additional OH SPILL: record(s) in the EDR Site Report.

Count: 7 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLYDE	S105245537	CLYDE COMPOST FACILITY	LIMERICK RD	43410	SWF/LF
CLYDE	1000211615	MEYER TERRY CHEVROLET BUICK OLDSMO	US RTE 20 W	43410	RCRA-SQG, FINDS
CLYDE	U004089989	EVERGREEN GRAIN CO.	5485 STATE ROUTE 101	43410	UST
CLYDE	U004088293	CONTINENTAL ESTATE LTD	1137 USHY 20 E	43410	LUST, UST
FREMONT	S105245539	FREMONT COMPOST FACILITY	S 5TH ST	43420	SWF/LF
FREMONT	S105743202	FREMONT GAS COMPANY	N FRONT & N STATE	43420	TOWNGAS
FREMONT	1001203188	OHIO TURNPIKE COMMISSION	MI POST 95.4 ST RT 6	43420	RCRA-NonGen, FINDS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

### DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/29/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/14/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/29/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2011  
Date Data Arrived at EDR: 03/15/2011  
Date Made Active in Reports: 06/14/2011  
Number of Days to Update: 91

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 11/14/2011  
Next Scheduled EDR Contact: 02/27/2012  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011  
Date Data Arrived at EDR: 07/07/2011  
Date Made Active in Reports: 08/08/2011  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/05/2011  
Next Scheduled EDR Contact: 01/16/2012  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011  
Date Data Arrived at EDR: 07/07/2011  
Date Made Active in Reports: 08/08/2011  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/05/2011  
Next Scheduled EDR Contact: 01/16/2012  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011  
Date Data Arrived at EDR: 07/07/2011  
Date Made Active in Reports: 08/08/2011  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/05/2011  
Next Scheduled EDR Contact: 01/16/2012  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011  
Date Data Arrived at EDR: 07/07/2011  
Date Made Active in Reports: 08/08/2011  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 312-886-6186  
Last EDR Contact: 10/05/2011  
Next Scheduled EDR Contact: 01/16/2012  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 12/09/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 12/09/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-267-2180
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 38	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A	Source: Ohio EPA
Date Data Arrived at EDR: N/A	Telephone: 614-644-2924
Date Made Active in Reports: N/A	Last EDR Contact: 11/14/2011
Number of Days to Update: N/A	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: N/A

### DERR: Division of Emergency & Remedial Response's Database

The DERR listings contains sites from all of Ohio that are in the Division of Emergency and Remedial Response (DERR) database, which is an index of sites for which our district offices maintain files. The database is NOT a record of contaminated sites or sites suspected of contamination. Not all sites in the database are contaminated, and a site's absence from the database does not imply that it is uncontaminated.

Date of Government Version: 08/22/2011	Source: Ohio EPA, Div. of Emergency and Remedial Response
Date Data Arrived at EDR: 08/23/2011	Telephone: 614-644-3538
Date Made Active in Reports: 09/27/2011	Last EDR Contact: 11/21/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/05/2012
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal landfill and/or solid waste disposal site lists***

### SWF/LF: Licensed Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/17/2011	Source: Ohio Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 614-644-2621
Date Made Active in Reports: 11/08/2011	Last EDR Contact: 10/17/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Annually

## ***State and tribal leaking storage tank lists***

### LUST: Leaking Underground Storage Tank File

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/18/2011	Source: Department of Commerce
Date Data Arrived at EDR: 10/20/2011	Telephone: 614-752-8200
Date Made Active in Reports: 11/01/2011	Last EDR Contact: 11/23/2011
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/05/2012
	Data Release Frequency: Quarterly

### UNREG LTANKS: Ohio Leaking UST File

A suspected or confirmed release of petroleum from a non-regulated UST.

Date of Government Version: 08/25/1999	Source: Department of Commerce
Date Data Arrived at EDR: 08/19/2003	Telephone: 614-752-7938
Date Made Active in Reports: 08/26/2003	Last EDR Contact: 08/01/2003
Number of Days to Update: 7	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 11/01/2011
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/01/2011	Telephone: 415-972-3372
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2011	Telephone: 404-562-8677
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/02/2011	Telephone: 913-551-7003
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 103	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

UST: Underground Storage Tank File

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/16/2011	Source: Department of Commerce
Date Data Arrived at EDR: 09/16/2011	Telephone: 614-752-8200
Date Made Active in Reports: 09/30/2011	Last EDR Contact: 12/12/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/05/2012
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

### INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011	Source: EPA Region 9
Date Data Arrived at EDR: 08/05/2011	Telephone: 415-972-3368
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/01/2011	Telephone: 913-551-7003
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2011	Telephone: 404-562-9424
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011	Source: EPA Region 5
Date Data Arrived at EDR: 08/26/2011	Telephone: 312-886-6136
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/17/2011
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### ENG CONTROLS: Sites with Engineering Controls

A database that tracks properties with engineering controls.

Date of Government Version: 08/17/2011	Source: Ohio EPA
Date Data Arrived at EDR: 08/18/2011	Telephone: 614-644-2306
Date Made Active in Reports: 09/28/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Semi-Annually

### INST CONTROL: Sites with Institutional Engineering Controls

A database that tracks properties with institutional controls.

Date of Government Version: 08/17/2011	Source: Ohio Environmental Protection Agency
Date Data Arrived at EDR: 08/18/2011	Telephone: 614-644-2306
Date Made Active in Reports: 09/28/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Semi-Annually

### HIST INST CONTROLS: Institutional Controls Database

"Institutional control" is a restriction that is recorded in the same manner as a deed which limits access to or use of the property such that exposure to hazardous substances or petroleum are effectively and reliably eliminated or mitigated. Examples of institutional controls include land and water use restrictions. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005	Source: Ohio EPA
Date Data Arrived at EDR: 04/06/2006	Telephone: 614-644-2306
Date Made Active in Reports: 05/04/2006	Last EDR Contact: 06/02/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

### HIST ENG CONTROLS: Operation & Maintenance Agreements Database

Volunteers that complete a voluntary action that relies on the ongoing operation and maintenance (O&M) of an engineered control to make the site protective (e.g." cap systems and ground water treatment systems) must enter into a legally binding agreement with the Ohio EPA before the director issues a covenant not to sue. This O&M Agreement must describe how the remedy is constructed and how it will be monitored, maintained and repaired. It also lays out inspection opportunities for the agency. Companies must document that they have the financial capability to operate any remedy relied on, before the agency will agree to enter into the O&M Agreement. The statute requires that the agency be notified of any change in ownership. This database is no longer updated or maintained by the state agency.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/10/2005  
Date Data Arrived at EDR: 04/04/2006  
Date Made Active in Reports: 05/04/2006  
Number of Days to Update: 30

Source: Ohio EPA  
Telephone: 614-644-2306  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

## ***State and tribal voluntary cleanup sites***

### VCP: Voluntary Action Program Sites

Site involved in the Voluntary Action Program.

Date of Government Version: 08/17/2011  
Date Data Arrived at EDR: 08/18/2011  
Date Made Active in Reports: 09/28/2011  
Number of Days to Update: 41

Source: Ohio EPA, Voluntary Action Program  
Telephone: 614-728-1298  
Last EDR Contact: 11/14/2011  
Next Scheduled EDR Contact: 02/27/2012  
Data Release Frequency: Semi-Annually

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011  
Date Data Arrived at EDR: 10/04/2011  
Date Made Active in Reports: 11/11/2011  
Number of Days to Update: 38

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 10/04/2011  
Next Scheduled EDR Contact: 01/16/2012  
Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

### BROWNFIELDS: Ohio Brownfield Inventory

A statewide brownfields inventory. A brownfield is an abandoned, idled or under-used industrial or commercial property where expansion or redevelopment is complicated by known or potential releases of hazardous substances and/or petroleum.

Date of Government Version: 09/20/2011  
Date Data Arrived at EDR: 09/21/2011  
Date Made Active in Reports: 09/28/2011  
Number of Days to Update: 7

Source: Ohio EPA  
Telephone: 614-644-3748  
Last EDR Contact: 09/21/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/27/2011	Telephone: 202-566-2777
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 09/28/2011
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Semi-Annually

## **Local Lists of Landfill / Solid Waste Disposal Sites**

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/26/2011
Number of Days to Update: 137	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

### HIST LF: Old Solid Waste Landfill

A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970s

Date of Government Version: 01/01/1980	Source: Ohio EPA
Date Data Arrived at EDR: 07/01/2003	Telephone: 614-644-3749
Date Made Active in Reports: 07/17/2003	Last EDR Contact: 06/26/2003
Number of Days to Update: 16	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### SWRCY: Recycling Facility Listing

A listing of recycling facility locations.

Date of Government Version: 07/07/2011	Source: Ohio EPA
Date Data Arrived at EDR: 07/22/2011	Telephone: 614-728-5357
Date Made Active in Reports: 08/09/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 11/07/2011

Next Scheduled EDR Contact: 02/20/2012

Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011

Date Data Arrived at EDR: 09/16/2011

Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 12/05/2011

Next Scheduled EDR Contact: 03/19/2012

Data Release Frequency: Quarterly

### CDL: Clandestine Drug Lab Locations

A list of clandestine drug lab sites with environmental impact. This list is extracted from the SPILLS database based on the "product" type.

Date of Government Version: 12/31/2009

Date Data Arrived at EDR: 02/19/2010

Date Made Active in Reports: 03/09/2010

Number of Days to Update: 18

Source: Ohio EPA

Telephone: 614-644-2080

Last EDR Contact: 11/14/2011

Next Scheduled EDR Contact: 02/27/2012

Data Release Frequency: Varies

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007

Date Data Arrived at EDR: 11/19/2008

Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

## **Local Lists of Registered Storage Tanks**

### ARCHIVE UST: Archived Underground Storage Tank Sites

Underground storage tank records that have been removed from the Underground Storage Tank database.

Date of Government Version: 09/16/2011

Date Data Arrived at EDR: 09/16/2011

Date Made Active in Reports: 09/28/2011

Number of Days to Update: 12

Source: Department of Commerce, Division of State Fire Marshal

Telephone: 614-752-7938

Last EDR Contact: 12/12/2011

Next Scheduled EDR Contact: 03/05/2012

Data Release Frequency: Quarterly

## **Local Land Records**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-564-6023
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

## LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/22/2011
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/05/2012
	Data Release Frequency: Varies

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-366-4555
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 38	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Annually

### SPILLS: Emergency Response Database

Incidents reported to the Emergency Response Unit. The focus of the ER program is to minimize the impact on the environment from accidental releases, spills, and unauthorized discharges from any fixed or mobile sources. Incidents involving petroleum products, hazardous materials, hazardous waste, abandoned drums, or other materials which may pose as a pollution threat to the state's water, land, or air should be reported immediately. Not all incidents included in the database are actual SPILLS, they can simply be reported incidents.

Date of Government Version: 05/30/2011	Source: Ohio EPA
Date Data Arrived at EDR: 06/01/2011	Telephone: 614-644-2084
Date Made Active in Reports: 06/28/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Varies

## **Other Ascertainable Records**

### RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/07/2011	Telephone: 312-886-6186
Date Made Active in Reports: 08/08/2011	Last EDR Contact: 10/05/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011  
Date Data Arrived at EDR: 08/09/2011  
Date Made Active in Reports: 11/11/2011  
Number of Days to Update: 94

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 11/08/2011  
Next Scheduled EDR Contact: 02/20/2012  
Data Release Frequency: Varies

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 10/20/2011  
Next Scheduled EDR Contact: 01/30/2012  
Data Release Frequency: Semi-Annually

## FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 08/12/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 12/09/2011  
Next Scheduled EDR Contact: 03/26/2012  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2011  
Date Data Arrived at EDR: 08/19/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/03/2011  
Next Scheduled EDR Contact: 01/16/2012  
Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/31/2011  
Date Data Arrived at EDR: 09/14/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 15

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 12/14/2011  
Next Scheduled EDR Contact: 03/26/2012  
Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/21/2010  
Date Made Active in Reports: 01/28/2011  
Number of Days to Update: 99

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 11/29/2011  
Next Scheduled EDR Contact: 03/12/2012  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011  
Date Data Arrived at EDR: 09/08/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/07/2011  
Next Scheduled EDR Contact: 03/19/2012  
Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/17/2010  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 94

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 12/02/2011  
Next Scheduled EDR Contact: 03/12/2012  
Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 09/29/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 64

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/27/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: Every 4 Years

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 11/28/2011  
Next Scheduled EDR Contact: 03/12/2012  
Data Release Frequency: Quarterly

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 11/28/2011  
Next Scheduled EDR Contact: 03/12/2012  
Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/31/2011  
Next Scheduled EDR Contact: 02/13/2012  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011  
Date Data Arrived at EDR: 01/21/2011  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 59

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010  
Date Data Arrived at EDR: 11/10/2010  
Date Made Active in Reports: 02/16/2011  
Number of Days to Update: 98

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 10/19/2011  
Next Scheduled EDR Contact: 01/30/2012  
Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011  
Date Data Arrived at EDR: 07/15/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 60

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 12/12/2011  
Next Scheduled EDR Contact: 03/26/2012  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2011	Telephone: 202-343-9775
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/13/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (312) 353-2000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 12/13/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/26/2012
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/30/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Biennially

## TOWNGAS: DERR Towngas Database

The database includes 82 very old sites (circa 1895) which produced gas from coal for street lighting. Most visual evidence of these sites has disappeared, however the potential for buried coal tar remains. The database is no longer in active use.

Date of Government Version: 07/28/1992	Source: Ohio EPA
Date Data Arrived at EDR: 02/21/2003	Telephone: 614-644-3749
Date Made Active in Reports: 03/05/2003	Last EDR Contact: 02/12/2003
Number of Days to Update: 12	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

Date of Government Version: 08/22/2011	Source: Ohio EPA
Date Data Arrived at EDR: 08/23/2011	Telephone: 614-644-2752
Date Made Active in Reports: 09/27/2011	Last EDR Contact: 11/28/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Varies

## DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facility locations.

Date of Government Version: 10/05/2011	Source: Ohio EPA
Date Data Arrived at EDR: 10/06/2011	Telephone: 614-644-3469
Date Made Active in Reports: 10/31/2011	Last EDR Contact: 10/03/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

## NPDES: NPDES General Permit List

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 08/17/2011	Source: Ohio EPA
Date Data Arrived at EDR: 08/18/2011	Telephone: 614-644-2031
Date Made Active in Reports: 09/27/2011	Last EDR Contact: 11/16/2011
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Semi-Annually

## AIRS: Title V Permits Listing

A listing of Title V Permits issued by the Division of Air Pollution Control. It is a federal operating permit program adopted and implemented by the state. The basic program elements typically specify that major sources will submit an operating application to the specified state environmental regulatory agency according to a schedule.

Date of Government Version: 09/27/2011	Source: Ohio EPA
Date Data Arrived at EDR: 09/27/2011	Telephone: 614-644-2270
Date Made Active in Reports: 11/07/2011	Last EDR Contact: 09/26/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Varies

## USD: Urban Setting Designation Sites

A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined.

Date of Government Version: 08/17/2011	Source: Ohio EPA
Date Data Arrived at EDR: 08/18/2011	Telephone: 614-644-3749
Date Made Active in Reports: 09/28/2011	Last EDR Contact: 11/14/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/27/2012
	Data Release Frequency: Varies

## HIST USD: Urban Setting Designations Database

A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined. This database is no longer updated or maintained by the state agency.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/10/2005  
Date Data Arrived at EDR: 04/25/2006  
Date Made Active in Reports: 05/11/2006  
Number of Days to Update: 16

Source: Ohio EPA  
Telephone: 614-644-3749  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/20/2011  
Next Scheduled EDR Contact: 01/30/2012  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 10/24/2011  
Next Scheduled EDR Contact: 02/06/2012  
Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010  
Date Data Arrived at EDR: 01/03/2011  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 77

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 12/08/2011  
Next Scheduled EDR Contact: 03/26/2012  
Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008  
Date Data Arrived at EDR: 02/18/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 100

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 11/04/2011  
Next Scheduled EDR Contact: 02/13/2012  
Data Release Frequency: Varies

## COAL ASH DOE: Steam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 12/08/2011  
Next Scheduled EDR Contact: 01/30/2012  
Data Release Frequency: Varies

## FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/20/2011  
Date Data Arrived at EDR: 10/20/2011  
Date Made Active in Reports: 10/31/2011  
Number of Days to Update: 11

Source: Ohio EPA  
Telephone: 614-644-2955  
Last EDR Contact: 10/17/2011  
Next Scheduled EDR Contact: 01/30/2012  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 01/23/2009

Date Data Arrived at EDR: 06/26/2009

Date Made Active in Reports: 07/06/2009

Number of Days to Update: 10

Source: Ohio EPA

Telephone: 614-644-2134

Last EDR Contact: 10/17/2011

Next Scheduled EDR Contact: 01/30/2012

Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 02/06/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey

Telephone: 888-275-8747

Last EDR Contact: 10/20/2011

Next Scheduled EDR Contact: 01/30/2012

Data Release Frequency: N/A

## CRO: Cessation of Regulated Operations Facility Listing

"Cessation of Regulated Operations" means the discontinuation or termination of regulated operations or the finalizing of any transaction or proceeding through which those operations are discontinued. "Regulated Operations" means the production, use, storage or handling of regulated substances.

Date of Government Version: 06/17/2011

Date Data Arrived at EDR: 08/23/2011

Date Made Active in Reports: 09/27/2011

Number of Days to Update: 35

Source: Ohio EPA

Telephone: 614-644-3065

Last EDR Contact: 11/18/2011

Next Scheduled EDR Contact: 02/27/2012

Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### *EDR Proprietary Records*

#### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 08/26/2009  
Date Made Active in Reports: 09/11/2009  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/22/2011  
Next Scheduled EDR Contact: 03/05/2012  
Data Release Frequency: Annually

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010  
Date Data Arrived at EDR: 07/20/2011  
Date Made Active in Reports: 08/11/2011  
Number of Days to Update: 22

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/18/2011  
Next Scheduled EDR Contact: 01/30/2012  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2011  
Date Data Arrived at EDR: 08/09/2011  
Date Made Active in Reports: 09/16/2011  
Number of Days to Update: 38

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/08/2011  
Next Scheduled EDR Contact: 02/20/2012  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 12/01/2009  
Date Made Active in Reports: 12/14/2009  
Number of Days to Update: 13

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010  
Date Data Arrived at EDR: 06/24/2011  
Date Made Active in Reports: 06/30/2011  
Number of Days to Update: 6

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/28/2011  
Next Scheduled EDR Contact: 03/12/2012  
Data Release Frequency: Annually

## VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 08/11/2011  
Date Data Arrived at EDR: 08/26/2011  
Date Made Active in Reports: 09/14/2011  
Number of Days to Update: 19

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 10/24/2011  
Next Scheduled EDR Contact: 02/06/2012  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010  
Date Data Arrived at EDR: 08/19/2011  
Date Made Active in Reports: 09/15/2011  
Number of Days to Update: 27

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Child Day Care Facilities

Source: Department of Job & Family Services

Telephone: 614-466-6282

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 614-265-1044

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

AMERT GOLEMBIOWSKI LEACH DUMPS  
1682 COUNTY ROAD 236  
CLYDE, OH 43410

### TARGET PROPERTY COORDINATES

Latitude (North): 41.29770 - 41° 17' 51.7"  
Longitude (West): 83.0087 - 83° 0' 31.3"  
Universal Tranverse Mercator: Zone 17  
UTM X (Meters): 331818.6  
UTM Y (Meters): 4573539.0  
Elevation: 678 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 41083-C1 FREMONT EAST, OH  
Most Recent Revision: 1980  
  
East Map: 41082-C8 CLYDE, OH  
Most Recent Revision: 1969

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

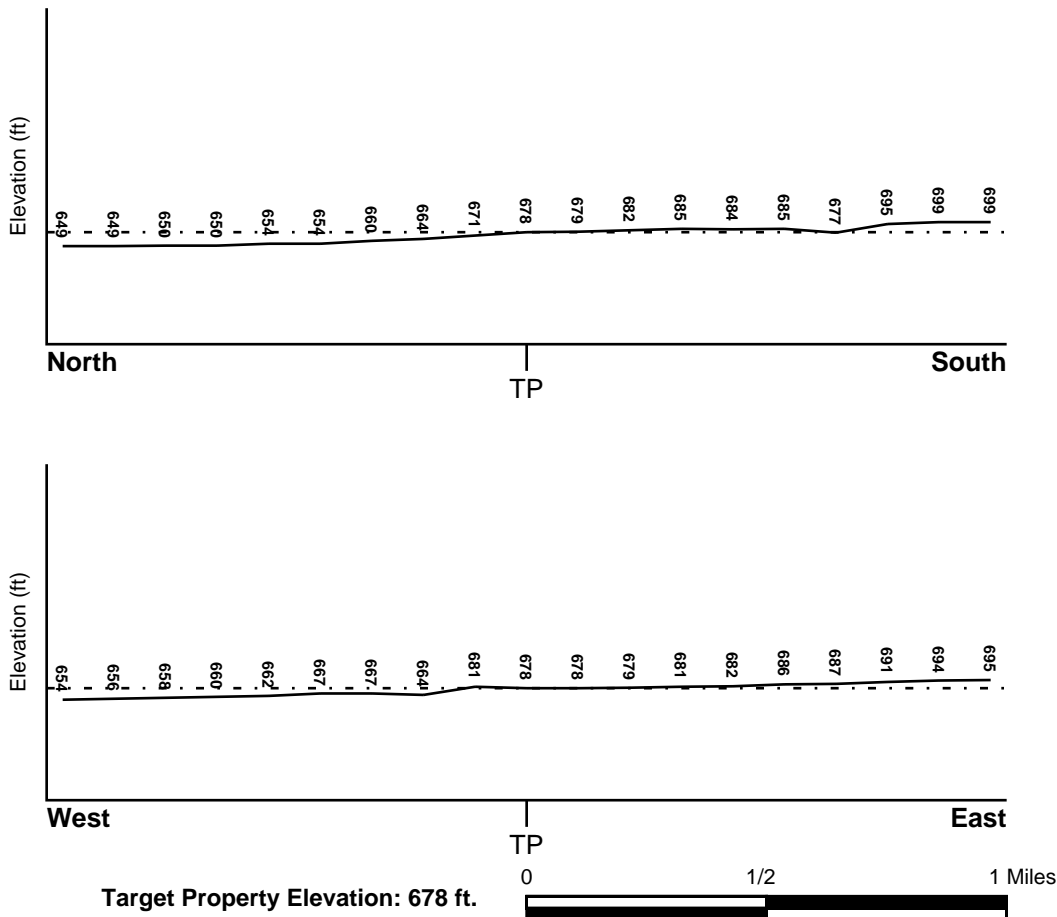
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Target Property County</u> SANDUSKY, OH	<u>FEMA Flood Electronic Data</u> Not Available
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Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> FREMONT EAST	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

Era:	Paleozoic
System:	Silurian
Series:	Upper Silurian (Cayugan)
Code:	S3 ( <i>decoded above as Era, System &amp; Series</i> )

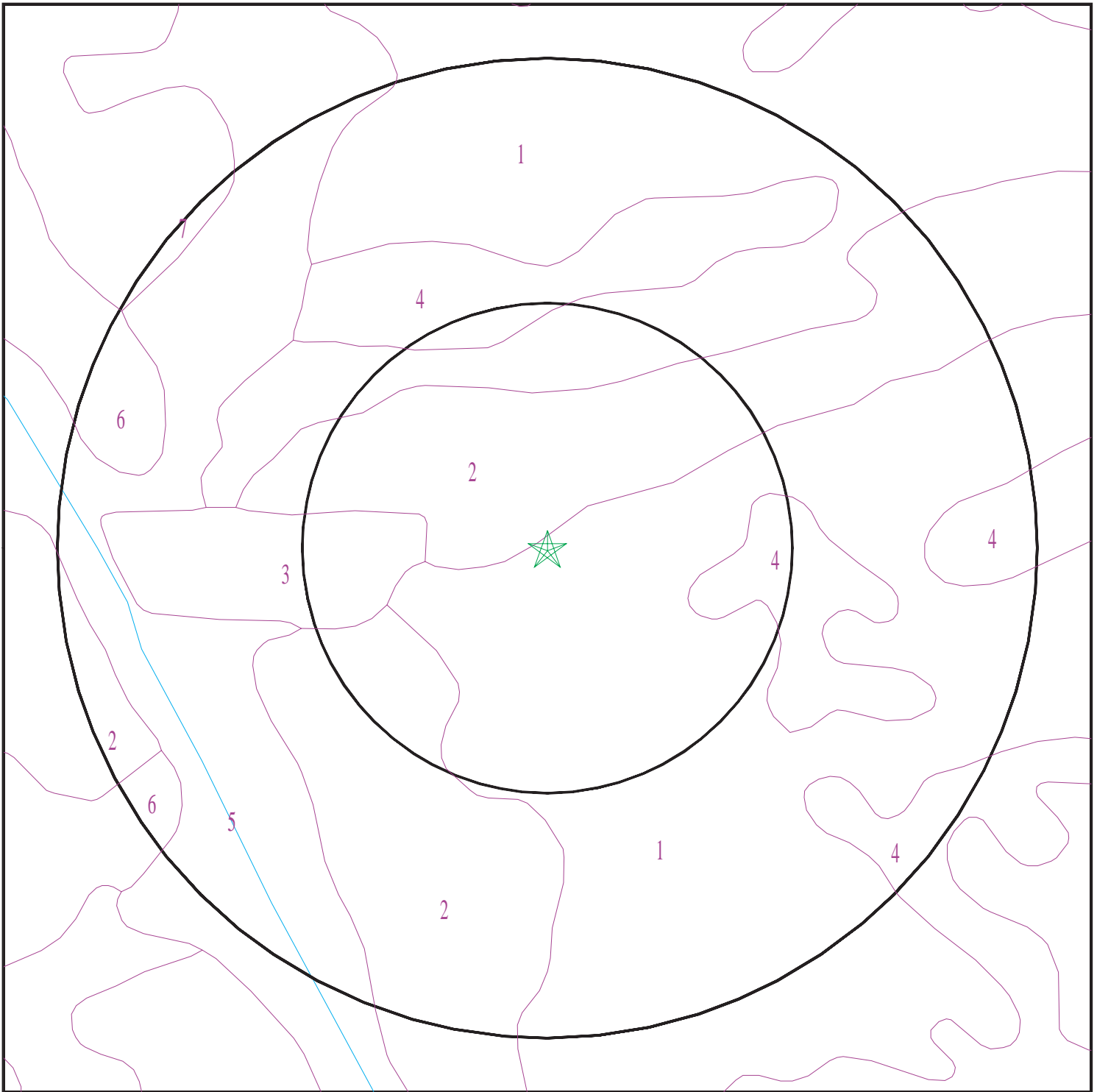
#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

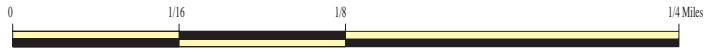
Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).



# SSURGO SOIL MAP - 3225018.46s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Amert Golembiowski Leach Dumps  
ADDRESS: 1682 County Road 236  
Clyde OH 43410  
LAT/LONG: 41.2977 / 83.0087

CLIENT: Weston Solutions, Inc.  
CONTACT: TJ Mcfarland  
INQUIRY #: 3225018.46s  
DATE: December 15, 2011 10:32 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Tedrow

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6
2	7 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 2**

Soil Component Name: Spinks

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6
2	3 inches	20 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6
3	20 inches	55 inches	stratified fine sand to loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	55 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6

---

### Soil Map ID: 3

Soil Component Name: Dumps

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:  
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

---

### Soil Map ID: 4

Soil Component Name: Granby

Soil Surface Texture: loamy sand

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6
2	11 inches	24 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6
3	24 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6

### Soil Map ID: 5

Soil Component Name: Mermill

Soil Surface Texture: loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.6
2	9 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.6
3	27 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.6

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### Soil Map ID: 6

Soil Component Name: Tedrow

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6
2	7 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 5.6

**Soil Map ID: 7**

Soil Component Name: Rimer

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	27 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.1
3	27 inches	31 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.1
4	31 inches	59 inches	silty clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.07	Max: 8.4 Min: 6.1

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A11	USGS2301660	1/4 - 1/2 Mile SE



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

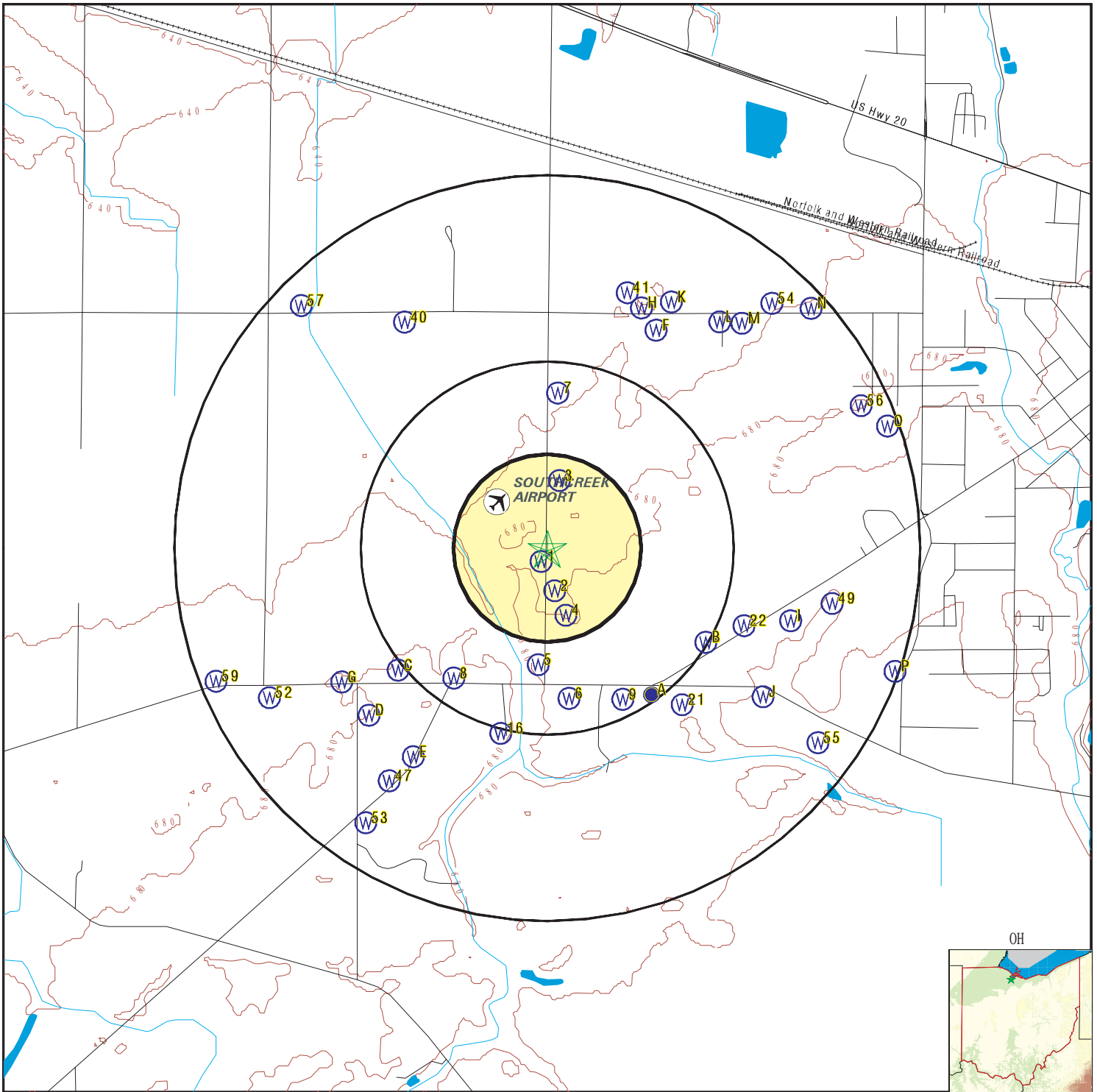
MAP ID	WELL ID	LOCATION FROM TP
1	OHD500000377574	0 - 1/8 Mile SSW
2	OHD500000381428	0 - 1/8 Mile South
3	OHD500000376784	1/8 - 1/4 Mile North
4	OHD500000786348	1/8 - 1/4 Mile SSE
5	OHD500000705361	1/4 - 1/2 Mile South
6	OHD500000378359	1/4 - 1/2 Mile South
7	OHD500000786349	1/4 - 1/2 Mile North
8	OHD500000385205	1/4 - 1/2 Mile SW
9	OHD500000378360	1/4 - 1/2 Mile SSE
A10	OHD500000778688	1/4 - 1/2 Mile SE
B12	OHD500000378361	1/4 - 1/2 Mile ESE
B13	OHD500000670678	1/4 - 1/2 Mile ESE
B14	OHD500000381422	1/4 - 1/2 Mile ESE
C15	OHD500000661292	1/2 - 1 Mile SW
16	OHD500000377573	1/2 - 1 Mile SSW
C17	OHD500000712145	1/2 - 1 Mile SW
C18	OHD500000670676	1/2 - 1 Mile SW
C19	OHD500000787961	1/2 - 1 Mile SW
C20	OHD500000712393	1/2 - 1 Mile SW
21	OHD500000381418	1/2 - 1 Mile SE
22	OHD500000378364	1/2 - 1 Mile ESE
D23	OHD500000377568	1/2 - 1 Mile SW
D24	OHD500000662115	1/2 - 1 Mile SW
E25	OHD500000377570	1/2 - 1 Mile SW
F26	OHD500000381427	1/2 - 1 Mile NNE
G27	OHD500000775537	1/2 - 1 Mile WSW
F28	OHD500000376789	1/2 - 1 Mile NNE
H29	OHD500000376788	1/2 - 1 Mile NNE
I30	OHD500000667171	1/2 - 1 Mile ESE
G31	OHD500000670674	1/2 - 1 Mile SW
D32	OHD500000776511	1/2 - 1 Mile SW
D33	OHD500000377569	1/2 - 1 Mile SW
J34	OHD500000378362	1/2 - 1 Mile SE
E35	OHD500000385206	1/2 - 1 Mile SSW
I36	OHD500000378365	1/2 - 1 Mile ESE
I37	OHD500000670693	1/2 - 1 Mile ESE
H38	OHD500000376785	1/2 - 1 Mile NNE
J39	OHD500000378363	1/2 - 1 Mile SE
40	OHD500000377572	1/2 - 1 Mile NNW
41	OHD500000675601	1/2 - 1 Mile NNE
H42	OHD500000376786	1/2 - 1 Mile NNE
J43	OHD500000645484	1/2 - 1 Mile ESE
K44	OHD500000778686	1/2 - 1 Mile NNE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

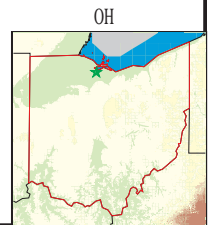
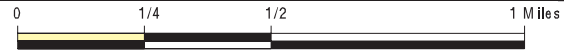
MAP ID	WELL ID	LOCATION FROM TP
K45	OHD500000376787	1/2 - 1 Mile NNE
L46	OHD500000385203	1/2 - 1 Mile NE
47	OHD500000377571	1/2 - 1 Mile SW
L48	OHD500000376790	1/2 - 1 Mile NE
49	OHD500000381420	1/2 - 1 Mile East
M50	OHD500000675602	1/2 - 1 Mile NE
M51	OHD500000705383	1/2 - 1 Mile NE
52	OHD500000789240	1/2 - 1 Mile WSW
53	OHD500000382890	1/2 - 1 Mile SSW
54	OHD500000786906	1/2 - 1 Mile NE
55	OHD500000381419	1/2 - 1 Mile SE
56	OHD500000377543	1/2 - 1 Mile ENE
57	OHD500000381431	1/2 - 1 Mile NW
N58	OHD500000632044	1/2 - 1 Mile NE
59	OHD500000786912	1/2 - 1 Mile WSW
O60	OHD500000377549	1/2 - 1 Mile ENE
O61	OHD500000377550	1/2 - 1 Mile ENE
O62	OHD500000377551	1/2 - 1 Mile ENE
O63	OHD500000377546	1/2 - 1 Mile ENE
O64	OHD500000377547	1/2 - 1 Mile ENE
O65	OHD500000377548	1/2 - 1 Mile ENE
O66	OHD500000777762	1/2 - 1 Mile ENE
O67	OHD500000787960	1/2 - 1 Mile ENE
O68	OHD500000789239	1/2 - 1 Mile ENE
O69	OHD500000377552	1/2 - 1 Mile ENE
O70	OHD500000675604	1/2 - 1 Mile ENE
O71	OHD500000675605	1/2 - 1 Mile ENE
N72	OHD500000377541	1/2 - 1 Mile NE
P73	OHD500000378367	1/2 - 1 Mile ESE
P74	OHD500000378366	1/2 - 1 Mile ESE
P75	OHD500000789241	1/2 - 1 Mile ESE

# PHYSICAL SETTING SOURCE MAP - 3225018.46s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location



SITE NAME: Amert Golembiowski Leach Dumps  
 ADDRESS: 1682 County Road 236  
 Clyde OH 43410  
 LAT/LONG: 41.2977 / 83.0087

CLIENT: Weston Solutions, Inc.  
 CONTACT: TJ McFarland  
 INQUIRY #: 3225018.46s  
 DATE: December 15, 2011 10:32 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**      **OH WELLS**      **OHD500000377574**  
**SSW**  
**0 - 1/8 Mile**

**Higher**

Well log n:	424912		
Well type :	W		
End user i:	1873		
Cnty code:	143	Twp code:	1100
Orig owner:	FRANK S.	Orig own 1:	ALCALA
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	138		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	1708		
St name:	SPAYD	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1860086.21		
Horiz y:	594397.7		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.297128		
Longitude:	-83.009097		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	14		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	70		
Date of co:	05/28/1972	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377574		

**2**  
**South**  
**0 - 1/8 Mile**  
**Higher**

**OH WELLS      OHD500000381428**

Well log n:	57624		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	BURTON	Orig own 1:	WOODRUFF
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	69		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	0		
St name:	SPAYD	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1860275.64		
Horiz y:	593982.02		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.295991		
Longitude:	-83.008398		
Source of :	digitized	Flowing we:	N
Test rate:	21		
Draw down:	4		
S water le:	11		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	77	Located in:	Y
Date of co:	02/18/1960		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000381428		

**3**  
**North**  
**1/8 - 1/4 Mile**  
**Lower**

**OH WELLS    OHD500000376784**

Well log n:	498095		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	VINCENT	Orig own 1:	GALENBIAUSKI
Drill type:	Not Reported	Test type :	B
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	98		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	1581		
St name:	SPAYD	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1860351.98		
Horiz y:	595541.36		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.300272		
Longitude:	-83.008154		
Source of :	digitized	Flowing we:	Y
Test rate:	5		
Draw down:	10		
S water le:	0		
S water me:	Not Reported	S water 1:	09/20/1977
Cas ht:	0		
Screen len:	0		
Total dept:	60		
Date of co:	09/20/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000376784		

**4**  
**SSE**  
**1/8 - 1/4 Mile**  
**Higher**

**OH WELLS      OHD500000786348**

Well log n:	11062		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	FOREST	Orig own 1:	METZGER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	BDR
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	32		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1860431.04		
Horiz y:	593634.1		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.295038		
Longitude:	-83.007826		
Source of :	digitized	Flowing we:	N
Test rate:	15		
Draw down:	10		
S water le:	13		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	80		
Date of co:	12/26/1947	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000786348		

**5  
South  
1/4 - 1/2 Mile  
Higher**

**OH WELLS    OHD500000705361**

Well log n:	287344		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	DALE	Orig own 1:	WAGONER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	137		
Sub name:	Not Reported	Sub map ye:	Not Reported



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	1816		
St name:	SPAYD	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1860036.57		
Horiz y:	592936.95		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.293118		
Longitude:	-83.009246		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	14		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	80		
Date of co:	12/07/1963	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000705361		

6  
**South**  
**1/4 - 1/2 Mile**  
**Higher**

OH WELLS    OHD500000378359

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	237305		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	L.W.	Orig own 1:	SNYDER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	139		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3255		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1860469.54		
Horiz y:	592456.59		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291807		
Longitude:	-83.00766		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	18		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	100		
Date of co:	12/24/1959	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000378359

**7**  
**North**  
**1/4 - 1/2 Mile**  
**Lower**

**OH WELLS      OHD500000786349**

Well log n:	71603		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	BEN	Orig own 1:	DEWEY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRA
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	568		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	SPAYD/DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1860334.24		
Horiz y:	596779.69		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.30367		
Longitude:	-83.008245		
Source of :	digitized	Flowing we:	Y
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	48		
Date of co:	Not Reported	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000786349		

**8  
SW  
1/4 - 1/2 Mile  
Higher**

**OH WELLS    OHD500000385205**

Well log n:	57603		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	GREEN CREEK TWP.
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	572		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	0		
St name:	CLYDE/GREENSPRINGS	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1858840.6		
Horiz y:	592753.6		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.292596		
Longitude:	-83.013595		
Source of :	digitized	Flowing we:	N
Test rate:	21		
Draw down:	5		
S water le:	15		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	79	Located in:	Y
Date of co:	Not Reported		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000385205		

**9**  
**SSE**  
**1/4 - 1/2 Mile**  
**Higher**

**OH WELLS      OHD500000378360**

Well log n:	399100		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	JACK	Orig own 1:	CRAVENS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	140		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3281		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1861230.45		
Horiz y:	592439.1		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.291771		
Longitude:	-83.004891		
Source of :	digitized	Flowing we:	N
Test rate:	20		
Draw down:	30		
S water le:	17		
S water me:	Not Reported	S water 1:	10/30/1969
Cas ht:	0		
Screen len:	0		
Total dept:	90		
Date of co:	10/30/1969	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378360		

**A10  
SE  
1/4 - 1/2 Mile  
Higher**

**OH WELLS      OHD500000778688**

Well log n:	414255		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	JERRY	Orig own 1:	CHAMBERS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	141		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3361		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1861618.63		
Horiz y:	592506.01		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291961		
Longitude:	-83.00348		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	35		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	93		
Date of co:	04/26/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000778688		

**A11  
SE  
1/4 - 1/2 Mile  
Higher**

**FED USGS      USGS2301660**

Agency cd:	USGS	Site no:	411731083001200
Site name:	S-114-G22		
Latitude:	411731	EDR Site id:	USGS2301660
Longitude:	0830012	Dec lat:	41.291998
Dec lon:	-83.00324834	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	39
State:	39	County:	143
Country:	US	Land net:	Not Reported
Location map:	FREMONT EAST	Map scale:	24000

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 695.  
 Altitude method: Interpolated from topographic map  
 Altitude accuracy: 2.5  
 Altitude datum: National Geodetic Vertical Datum of 1929  
 Hydrologic: Sandusky. Ohio. Area = 1850 sq.mi.  
 Topographic: Flat surface  
 Site type: Ground-water other than Spring Date construction: 19710426  
 Date inventoried: Not Reported Mean greenwich time offset: EST  
 Local standard time flag: Y  
 Type of ground water site: Single well, other than collector or Ranney type  
 Aquifer Type: Not Reported  
 Aquifer: SILURIAN SYSTEM  
 Well depth: 93. Hole depth: 93.  
 Source of depth data: driller  
 Project number: 443908500  
 Real time data flag: 0 Daily flow data begin date: 0000-00-00  
 Daily flow data end date: 0000-00-00 Daily flow data count: 0  
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00  
 Peak flow data count: 0 Water quality data begin date: 0000-00-00  
 Water quality data end date: 0000-00-00 Water quality data count: 0  
 Ground water data begin date: 1986-03-26 Ground water data end date: 1987-01-29  
 Ground water data count: 3

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1987-01-29	22.56		1987-01-29	22.56	
1986-07-09	22.85		1986-07-09	22.85	
1986-03-26	22.44		1986-03-26	22.44	

**B12**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**OH WELLS      OHD500000378361**

Well log n:	545157		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	RICHARD	Orig own 1:	SANFORD
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	142		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3475		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1862302.2		
Horiz y:	1200274		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.293854		
Longitude:	-83.000732		
Source of :	Digitized	Flowing we:	N
Test rate:	15		
Draw down:	35		
S water le:	20		
S water me:	Not Reported	S water 1:	09/05/1978
Cas ht:	0		
Screen len:	0		
Total dept:	71		
Date of co:	09/05/1978	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378361		

**B13  
ESE  
1/4 - 1/2 Mile  
Higher**

**OH WELLS      OHD500000670678**

Well log n:	96002		
Well type :	W		
End user i:	963		
Cnty code:	143	Twp code:	1100
Orig owner:	FRANK	Orig own 1:	LAURA
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	142		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	S		
St no:	1020		
St name:	MAPLE	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1862302.2		
Horiz y:	1200274		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.293854		
Longitude:	-83.000732		
Source of :	Digitized	Flowing we:	N
Test rate:	5		
Draw down:	5		
S water le:	20		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	90		
Date of co:	08/01/1952	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000670678		

**B14  
ESE  
1/4 - 1/2 Mile  
Higher**

**OH WELLS    OHD500000381422**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	101023		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	ELMER	Orig own 1:	ROSS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	62		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	0		
St name:	185	St type co:	CR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1862480		
Horiz y:	593336.81		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.294255		
Longitude:	-83.000363		
Source of :	digitized	Flowing we:	N
Test rate:	32		
Draw down:	10		
S water le:	17		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	81		
Date of co:	05/21/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000661292		

**16  
SSW  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000377573**

Well log n:	376793		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	IRWIN	Orig own 1:	GILBERT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	136		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3165		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1859500.69		
Horiz y:	591967.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.290448		
Longitude:	-83.011176		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	35		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	85	Located in:	Y
Date of co:	07/23/1968		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377573		

**C17  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000712145**

Well log n:	263629		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	JOHN	Orig own 1:	CASILLAS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	E
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	1897		
St name:	228	St type co:	TR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857919.7		
Horiz y:	1199983.74		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.29299		
Longitude:	-83.016666		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	18		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	97		
Date of co:	05/11/1962	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000712145		

**C18  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000670676**

Well log n:	263606		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	GEORGE A.	Orig own 1:	SPITLER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	SHA
Loc map ye:	1980	Loc area:	E
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	3007		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1857919.7		
Horiz y:	1199983.74		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29299		
Longitude:	-83.016666		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	7		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	95		
Date of co:	01/24/1961	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000670676		

**C19  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000787961**

Well log n:	535979		
Well type :	W		
End user i:	664		
Cnty code:	143	Twp code:	1100
Orig owner:	FRANK	Orig own 1:	SLESSMAN
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	E
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	1852		
St name:	228	St type co:	TR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857919.7		
Horiz y:	1199983.74		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29299		
Longitude:	-83.016666		
Source of :	Digitized	Flowing we:	N
Test rate:	18		
Draw down:	3		
S water le:	29		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	110		
Date of co:	12/01/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000787961		

**C20  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000712393**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	498100		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	DON	Orig own 1:	MAYERS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	SND
Loc map ye:	1980	Loc area:	E
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	0		
St name:	228	St type co:	TR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857919.7		
Horiz y:	1199983.74		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29299		
Longitude:	-83.016666		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	20		
S water le:	20		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	60		
Date of co:	12/20/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000712393

**21  
 SE  
 1/2 - 1 Mile  
 Higher**

**OH WELLS      OHD500000381418**

Well log n:	118573		
Well type :	W		
End user i:	1178		
Cnty code:	143	Twp code:	1100
Orig owner:	DOUGLAS	Orig own 1:	ALDRICH
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	55		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	LIMERICK	St type co:	CR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1862070.54		
Horiz y:	592358.28		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291563		
Longitude:	-83.001832		
Source of :	digitized	Flowing we:	N
Test rate:	10		
Draw down:	20		
S water le:	21		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	65		
Date of co:	06/17/1951	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000381418		

**22  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000378364**

Well log n:	524093		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	MARK RUFFING BUILDIN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	GRA
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	146		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	S		
St no:	0		
St name:	MAPLE	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1862953.12		
Horiz y:	593470.88		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29463		
Longitude:	-82.998644		
Source of :	digitized	Flowing we:	N
Test rate:	25		
Draw down:	15		
S water le:	20		
S water me:	Not Reported	S water 1:	10/21/1977
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	70	Located in:	Y
Date of co:	10/21/1977		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Comments:	TWO STORY RED BRICK BASE - WHITE SIDING ON SECOND FLOOR		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378364		

**D23  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000377568**

Well log n:	263628		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	JOHN	Orig own 1:	ALAFITA
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	131		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	1913		
St name:	228	St type co:	TR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857736.07		
Horiz y:	592281.05		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.291281		
Longitude:	-83.017604		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	18		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	102		
Date of co:	04/26/1962	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377568		

**D24  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000662115**

Well log n:	195739		
Well type :	W		
End user i:	2057		
Cnty code:	143	Twp code:	1100
Orig owner:	PAUL	Orig own 1:	ASHTON
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	75		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	FINEFROCK	St type co:	CR
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1857653.31		
Horiz y:	592286.71		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291295		
Longitude:	-83.017905		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	40		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	87		
Date of co:	10/05/1957	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000662115		

**E25  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000377570**

Well log n:	263626		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	JOHN	Orig own 1:	JOHNSON
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	133		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	3065		
St name:	185	St type co:	CR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1858189.13		
Horiz y:	591803.19		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.289977		
Longitude:	-83.015945		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	18		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	105		
Date of co:	03/30/1962	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377570		

F26  
 NNE  
 1/2 - 1 Mile  
 Lower

OH WELLS    OHD500000381427



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	124857		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	DAGG
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	68		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1861863.63		
Horiz y:	597583.34		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.3059		
Longitude:	-83.002695		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	79		
Date of co:	11/25/1953	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000381427

**G27  
 WSW  
 1/2 - 1 Mile  
 Higher**

**OH WELLS      OHD500000775537**

Well log n:	368078		
Well type :	W		
End user i:	1948		
Cnty code:	143	Twp code:	1100
Orig owner:	CLIFFORD	Orig own 1:	WING
Drill type:	Not Reported	Test type :	B
Well use c:	D	Aquifer ty:	GRA
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	128		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	2910		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857166.84		
Horiz y:	592873.14		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.292897		
Longitude:	-83.019688		
Source of :	digitized	Flowing we:	N
Test rate:	14		
Draw down:	0		
S water le:	30		
S water me:	Not Reported	S water 1:	06/26/1968
Cas ht:	0		
Screen len:	0		
Total dept:	64		
Date of co:	06/26/1968	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000775537		

**F28**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OH WELLS    OHD500000376789**

Well log n:	522630		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	FRED	Orig own 1:	SIEBERT
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	105		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3375		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1861599.12		
Horiz y:	597740.25		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.306326		
Longitude:	-83.003661		
Source of :	digitized	Flowing we:	N
Test rate:	12		
Draw down:	0		
S water le:	38		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	62	Located in:	Y
Date of co:	07/23/1977		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000376789		

**H29**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OH WELLS    OHD500000376788**

Well log n:	414261		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	BILLETTER/GOODMAN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	104		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3331		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1861469.17		
Horiz y:	597814.75		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.306529		
Longitude:	-83.004136		
Source of :	digitized	Flowing we:	Y
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	70		
Date of co:	07/08/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000376788		

**130  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000667171**

Well log n:	57630		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	ACKERMANT	Orig own 1:	ROGERS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	373		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1863499.91		
Horiz y:	593526.07		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29479		
Longitude:	-82.996655		
Source of :	digitized	Flowing we:	N
Test rate:	14		
Draw down:	17		
S water le:	24		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	90		
Date of co:	08/30/1950	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000667171		

**G31  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000670674**

Well log n:	498099		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	RICHARD	Orig own 1:	BLAKA
Drill type:	Not Reported	Test type :	B
Well use c:	D	Aquifer ty:	GRA
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	129		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	2951		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857341.09		
Horiz y:	592543.28		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291994		
Longitude:	-83.019047		
Source of :	digitized	Flowing we:	N
Test rate:	3		
Draw down:	20		
S water le:	20		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	12/15/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000670674		

D32  
SW  
1/2 - 1 Mile  
Higher

OH WELLS    OHD500000776511

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	535978		
Well type :	W		
End user i:	664		
Cnty code:	143	Twp code:	1100
Orig owner:	FRANK	Orig own 1:	SLESSMAN
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	130		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	1854		
St name:	228	St type co:	TR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857404.98		
Horiz y:	592397.6		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291596		
Longitude:	-83.018811		
Source of :	digitized	Flowing we:	N
Test rate:	17		
Draw down:	4		
S water le:	28		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	100		
Date of co:	12/01/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000776511

**D33  
 SW  
 1/2 - 1 Mile  
 Higher**

**OH WELLS      OHD500000377569**

Well log n:	263640		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	SAM	Orig own 1:	DEVRIES
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	132		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	1889		
St name:	228	St type co:	TR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857747.69		
Horiz y:	591972.19		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.290434		
Longitude:	-83.017555		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	18		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	105		
Date of co:	07/18/1962	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377569		

**J34  
SE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000378362**

Well log n:	521380		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	LIMRICK SALES&SUPPLY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	144		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3515		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1863052.14		
Horiz y:	592471.31		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291888		
Longitude:	-82.998263		
Source of :	digitized	Flowing we:	N
Test rate:	20		
Draw down:	15		
S water le:	34		
S water me:	Not Reported	S water 1:	08/10/1977
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	80	Located in:	Y
Date of co:	08/10/1977		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378362		

**E35  
SSW  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000385206**

Well log n:	57604		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	GREEN CREEK TWP.
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	60		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	0		
St name:	CLYDE/GREENSPRINGS	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1858330.28		
Horiz y:	591484.05		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.289103		
Longitude:	-83.015424		
Source of :	digitized	Flowing we:	N
Test rate:	21		
Draw down:	12		
S water le:	17		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	86		
Date of co:	Not Reported	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000385206		

**I36  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000378365**

Well log n:	96016		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	HAROLD	Orig own 1:	GASE
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	147		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	S		
St no:	899		
St name:	MAPLE	St type co:	ST
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1863596.2		
Horiz y:	1200625.79		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.294839		
Longitude:	-82.996033		
Source of :	Digitized	Flowing we:	N
Test rate:	5		
Draw down:	7		
S water le:	18		
S water me:	Not Reported	S water 1:	09/25/1952
Cas ht:	0		
Screen len:	0		
Total dept:	77		
Date of co:	09/25/1952	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378365		

**I37  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000670693**

Well log n:	266832		
Well type :	W		
End user i:	1178		
Cnty code:	143	Twp code:	1100
Orig owner:	H.J.	Orig own 1:	GASE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	147		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	S		
St no:	899	St type co:	ST
St name:	MAPLE		
Sec add:	Not Reported		
Sec add no:	0	State code:	OH
City:	CLYDE		
Zip:	43410		
Zone code:	S		
Horiz x:	1863596.2		
Horiz y:	1200625.79		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.294839		
Longitude:	-82.996033		
Source of :	Digitized	Flowing we:	N
Test rate:	20		
Draw down:	31		
S water le:	28		
S water me:	Not Reported	S water 1:	10/21/1963
Cas ht:	0		
Screen len:	0		
Total dept:	65		
Date of co:	10/21/1963	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000670693		

H38  
NNE  
1/2 - 1 Mile  
Lower

OH WELLS    OHD500000376785

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	442160		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	E.W. BUZZ	Orig own 1:	MILLER (BUILDER)
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	100		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3332		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1861469.17		
Horiz y:	598038.26		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307142		
Longitude:	-83.00414		
Source of :	digitized	Flowing we:	Y
Test rate:	8		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	72		
Date of co:	07/12/1972	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000376785

**J39  
 SE  
 1/2 - 1 Mile  
 Higher**

**OH WELLS    OHD500000378363**

Well log n:	521381		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	LIMRICK SALES&SUPPLY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	145		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	3501	St type co:	RD
St name:	LIMERICK		
Sec add:	Not Reported		
Sec add no:	0	State code:	OH
City:	CLYDE		
Zip:	43410		
Zone code:	S		
Horiz x:	1863225.41		
Horiz y:	592446.47		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291823		
Longitude:	-82.997632		
Source of :	digitized	Flowing we:	N
Test rate:	20		
Draw down:	15		
S water le:	33	S water 1:	08/11/1977
S water me:	Not Reported		
Cas ht:	0		
Screen len:	0		
Total dept:	85		
Date of co:	08/11/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378363		

**40  
NNW  
1/2 - 1 Mile  
Lower**

**OH WELLS    OHD500000377572**

Well log n:	235265		
Well type :	W		
End user i:	1948		
Cnty code:	143	Twp code:	1100
Orig owner:	C	Orig own 1:	GALLAGER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	SGR
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	135		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	3035		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1858172.29		
Horiz y:	597796.99		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.306427		
Longitude:	-83.016135		
Source of :	digitized	Flowing we:	Y
Test rate:	75		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	12/03/1959
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	124	Located in:	Y
Date of co:	12/03/1959		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377572		

**41**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OH WELLS    OHD500000675601**

Well log n:	446605		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	TOWNE COUNTY ESTATES
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	99		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3330		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1861326.84		
Horiz y:	598193.47		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.307566		
Longitude:	-83.004662		
Source of :	digitized	Flowing we:	Y
Test rate:	5		
Draw down:	65		
S water le:	0		
S water me:	Not Reported	S water 1:	09/22/1972
Cas ht:	0		
Screen len:	0		
Total dept:	70		
Date of co:	09/22/1972	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000675601		

**H42  
NNE  
1/2 - 1 Mile  
Lower**

**OH WELLS      OHD500000376786**

Well log n:	446606		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	TOWNE COUNTY ESTATES
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	101		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3312		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1861642.44		
Horiz y:	598081.72		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307264		
Longitude:	-83.003511		
Source of :	digitized	Flowing we:	Y
Test rate:	5		
Draw down:	60		
S water le:	0		
S water me:	Not Reported	S water 1:	09/23/1972
Cas ht:	0		
Screen len:	0		
Total dept:	68		
Date of co:	09/23/1972	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000376786		

**J43  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000645484**

Well log n:	913989		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	JONATHAN	Orig own 1:	KUEHNE
Drill type:	R	Test type :	A
Well use c:	D	Aquifer ty:	LST
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	13901
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	3555		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	NAD83		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29196		
Longitude:	-82.99701		
Source of :	GEOCODE	Flowing we:	Not Reported
Test rate:	20		
Draw down:	80		
S water le:	24		
S water me:	G	S water 1:	03/01/2002
Cas ht:	0		
Screen len:	0		
Total dept:	80		
Date of co:	02/28/2002	Located in:	Not Reported
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	20		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000645484		

**K44  
NNE  
1/2 - 1 Mile  
Lower**

**OH WELLS    OHD500000778686**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	21985		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	ADAMS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	GRA
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	102		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3558		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1861809.52		
Horiz y:	598087.93		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307284		
Longitude:	-83.002903		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	55		
Date of co:	12/01/1951	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000778686

**K45  
 NNE  
 1/2 - 1 Mile  
 Lower**

**OH WELLS      OHD500000376787**

Well log n:	522631		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	DENNIS	Orig own 1:	WASSERMAN
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	103		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3414		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1862094.19		
Horiz y:	598032.05		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307135		
Longitude:	-83.001865		
Source of :	digitized	Flowing we:	N
Test rate:	15		
Draw down:	25		
S water le:	22		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	70		
Date of co:	07/25/1977	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000376787		

**L46  
NE  
1/2 - 1 Mile  
Lower**

**OH WELLS      OHD500000385203**

Well log n:	44621		
Well type :	W		
End user i:	1948		
Cnty code:	143	Twp code:	1100
Orig owner:	A	Orig own 1:	SCHRADEER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	570		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	0		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1862563.21		
Horiz y:	597752.02		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.306374		
Longitude:	-83.000152		
Source of :	digitized	Flowing we:	Y
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	61	Located in:	Y
Date of co:	Not Reported		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000385203		

**47  
SW  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000377571**

Well log n:	430912		
Well type :	W		
End user i:	664		
Cnty code:	143	Twp code:	1100
Orig owner:	PHIL	Orig own 1:	BREUER
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	134		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	3058		
St name:	185	St type co:	CR
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1857916.13		
Horiz y:	591304.34		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.288603		
Longitude:	-83.016927		
Source of :	digitized	Flowing we:	N
Test rate:	21		
Draw down:	0		
S water le:	10		
S water me:	Not Reported	S water 1:	01/26/1972
Cas ht:	0		
Screen len:	0		
Total dept:	99		
Date of co:	01/26/1972	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377571		

**L48  
NE  
1/2 - 1 Mile  
Lower**

**OH WELLS      OHD500000376790**

Well log n:	561869		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	RICHARD	Orig own 1:	FOUKE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	106		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3449		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1862705.59		
Horiz y:	597796.13		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.306497		
Longitude:	-82.999635		
Source of :	digitized	Flowing we:	Y
Test rate:	20		
Draw down:	15		
S water le:	2		
S water me:	Not Reported	S water 1:	10/19/1979
Cas ht:	0		
Screen len:	0		
Total dept:	56		
Date of co:	10/19/1979	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000376790		

**49**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**OH WELLS      OHD500000381420**

Well log n:	121639		
Well type :	W		
End user i:	0		
Cnty code:	143	Twp code:	1100
Orig owner:	HAROLD	Orig own 1:	GASE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	57		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	22		
St dir cod:	Not Reported		
St no:	0		
St name:	GREENSPRINGS	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1864203.06		
Horiz y:	593778.95		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.295495		
Longitude:	-82.994102		
Source of :	digitized	Flowing we:	N
Test rate:	14		
Draw down:	2		
S water le:	17		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	72		
Date of co:	05/16/1955	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000381420		

**M50  
NE  
1/2 - 1 Mile  
Lower**

**OH WELLS    OHD500000675602**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	263630		
Well type :	W		
End user i:	1984		
Cnty code:	143	Twp code:	1100
Orig owner:	ALVIN	Orig own 1:	OSMAN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	SND
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	107		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3469		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1862870.95		
Horiz y:	1204837.79		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.306382		
Longitude:	-82.998756		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	1		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	57		
Date of co:	05/17/1962	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000675602

**M51  
 NE  
 1/2 - 1 Mile  
 Lower**

**OH WELLS      OHD500000705383**

Well log n:	428111		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	RICHARD	Orig own 1:	FOUKE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	107		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3469		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1862870.95		
Horiz y:	1204837.79		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.306382		
Longitude:	-82.998756		
Source of :	Digitized	Flowing we:	Y
Test rate:	25		
Draw down:	35		
S water le:	2		
S water me:	Not Reported	S water 1:	10/06/1971
Cas ht:	0		
Screen len:	0		
Total dept:	68		
Date of co:	10/06/1971	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000705383		

**52**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**OH WELLS      OHD500000789240**

Well log n:	508947		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	CHARLES	Orig own 1:	BARNETT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	127		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	21		
St dir cod:	Not Reported		
St no:	0		
St name:	LIMERICK	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1856228.19		
Horiz y:	592491.55		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.291834		
Longitude:	-83.023095		
Source of :	digitized	Flowing we:	N
Test rate:	15		
Draw down:	35		
S water le:	9		
S water me:	Not Reported	S water 1:	02/11/1977
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	75	Located in:	Y
Date of co:	02/11/1977		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000789240		

**53  
SSW  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000382890**

Well log n:	36573		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	BEN	Orig own 1:	DAVIS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	GRA
Loc map ye:	1945	Loc area:	Not Reported
Loc no:	77		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	GREEN SPRINGS	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1857581.09		
Horiz y:	590712.99		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.286975		
Longitude:	-83.018134		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	65		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	85		
Date of co:	06/11/1948	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000382890		

**54  
NE  
1/2 - 1 Mile  
Lower**

**OH WELLS      OHD500000786906**

Well log n:	360486		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	G.S.	Orig own 1:	ADAMS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	108		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	3558		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1863373.93		
Horiz y:	598032.05		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307155		
Longitude:	-82.997207		
Source of :	digitized	Flowing we:	Y
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	70		
Date of co:	07/01/1967	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000786906		

**55  
SE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000381419**

Well log n:	124865		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	THOMPSON
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	56		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	23		
St dir cod:	Not Reported		
St no:	0		
St name:	Not Reported	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1863990.41		
Horiz y:	591808.79		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.290085		
Longitude:	-82.994835		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	35		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	86		
Date of co:	02/01/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000381419		

56  
ENE  
1/2 - 1 Mile  
Higher

OH WELLS    OHD500000377543

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	145713		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	E	Orig own 1:	ADAMS
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	111		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	1480		
St name:	FRANKS	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864628.3		
Horiz y:	596577.17		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.303182		
Longitude:	-82.992612		
Source of :	digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	20		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	85		
Date of co:	04/25/1955	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000377543

**57  
 NW  
 1/2 - 1 Mile  
 Lower**

**OH WELLS      OHD500000381431**

Well log n:	118600		
Well type :	W		
End user i:	1178		
Cnty code:	143	Twp code:	1100
Orig owner:	ROY	Orig own 1:	NORMAN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	SGR
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	73		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	16		
St dir cod:	Not Reported		
St no:	0	St type co:	Not Reported
St name:	Not Reported		
Sec add:	Not Reported		
Sec add no:	0	State code:	OH
City:	Not Reported		
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1856712.49		
Horiz y:	598039.51		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307069		
Longitude:	-83.021454		
Source of :	digitized	Flowing we:	N
Test rate:	50		
Draw down:	28		
S water le:	5	S water 1:	Not Reported
S water me:	Not Reported		
Cas ht:	0		
Screen len:	0		
Total dept:	52		
Date of co:	10/30/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000381431		

**N58  
NE  
1/2 - 1 Mile  
Lower**

**OH WELLS      OHD500000632044**

Well log n:	919740		
Well type :	W		
End user i:	673		
Cnty code:	143	Twp code:	1100
Orig owner:	RICHARD	Orig own 1:	WEIKER, JR
Drill type:	R	Test type :	Not Reported
Well use c:	D	Aquifer ty:	SND
Loc map ye:	Not Reported	Loc area:	Not Reported
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	02-02
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	3781		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	Not Reported		
Horiz x:	0		
Horiz y:	0		
Horiz datu:	NAD83		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.30669		
Longitude:	-82.99545		
Source of :	GEOCODE	Flowing we:	Y
Test rate:	15		
Draw down:	0		
S water le:	0		
S water me:	T	S water 1:	02/07/2001
Cas ht:	2		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	77	Located in:	Not Reported
Date of co:	02/08/2001		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	15		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000632044		

**59**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**OH WELLS    OHD500000786912**

Well log n:	193359		
Well type :	W		
End user i:	2621		
Cnty code:	143	Twp code:	1100
Orig owner:	HOLMER	Orig own 1:	RIFE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	Not Reported	Aquifer ty:	LST
Loc map ye:	1960	Loc area:	Not Reported
Loc no:	76		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	0		
St dir cod:	Not Reported		
St no:	0		
St name:	FINEFROCK	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	Not Reported	State code:	OH
Zip:	Not Reported		
Zone code:	S		
Horiz x:	1855472.72		
Horiz y:	592728.5		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.292472		
Longitude:	-83.02585		
Source of :	digitized	Flowing we:	N
Test rate:	30		
Draw down:	6		
S water le:	10		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	82		
Date of co:	04/15/1957	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000786912		

**O60  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000377549**

Well log n:	182465		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	PRICE LUMBER CO.
Drill type:	Not Reported	Test type :	B
Well use c:	D	Aquifer ty:	GRA
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	WHIRLPOOL ADDITION	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	15		
Draw down:	5		
S water le:	20		
S water me:	Not Reported	S water 1:	08/21/1956
Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	08/21/1956	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377549		

**O61  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000377550**

Well log n:	167039		
Well type :	W		
End user i:	1883		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	ADVANCE LUMBER CO.
Drill type:	Not Reported	Test type :	B
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	WHIRLPOOL ADDITION	St type co:	Not Reported
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	Y
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	04/17/1956
Cas ht:	0		
Screen len:	0		
Total dept:	67		
Date of co:	04/17/1956	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377550		

O62  
ENE  
1/2 - 1 Mile  
Higher

OH WELLS    OHD500000377551

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	124877		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	FRANK
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	3761		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	21		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	60		
Date of co:	06/29/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377546		

**O64  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000377547**

Well log n:	341561		
Well type :	W		
End user i:	2285		
Cnty code:	143	Twp code:	1100
Orig owner:	E	Orig own 1:	TREECE
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	FRANKS	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	15		
Draw down:	30		
S water le:	3		
S water me:	Not Reported	S water 1:	01/12/1966
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	63	Located in:	Y
Date of co:	01/12/1966		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377547		

**O65  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000377548**

Well log n:	209492		
Well type :	W		
End user i:	2285		
Cnty code:	143	Twp code:	1100
Orig owner:	A.E.	Orig own 1:	MORGEN
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	WOODLAND	St type co:	CT
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	Y
Test rate:	20		
Draw down:	40		
S water le:	0		
S water me:	Not Reported	S water 1:	01/27/1959
Cas ht:	0		
Screen len:	0		
Total dept:	54		
Date of co:	01/28/1959	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377548		

**O66  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000777762**

Well log n:	233392		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	MILLER (CONTRACTOR)
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	COE	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	10		
S water le:	10		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	84		
Date of co:	01/08/1980	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000777762		

**O67  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000787960**

Well log n:	145724		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	FRIEDT
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	1424		
St name:	FRANKS	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	25		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	86		
Date of co:	08/01/1955	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000787960		

O68  
ENE  
1/2 - 1 Mile  
Higher

OH WELLS    OHD500000789239

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	145702		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	HAROLD	Orig own 1:	SYLVESTER
Drill type:	Not Reported	Test type :	P
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	WOODLAND	St type co:	CT
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	6		
S water le:	19		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	79		
Date of co:	12/08/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well drill: Not Reported                      Subcon odh: Not Reported  
 Site id: OHD500000789239

**O69  
 ENE  
 1/2 - 1 Mile  
 Higher**

**OH WELLS      OHD500000377552**

Well log n:	259075		
Well type :	W		
End user i:	2285		
Cnty code:	143	Twp code:	1100
Orig owner:	THOMS	Orig own 1:	CHUMLEY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	1391		
St name:	FRANKS	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	25		
Draw down:	10		
S water le:	5		
S water me:	Not Reported	S water 1:	03/31/1961
Cas ht:	0		
Screen len:	0		
Total dept:	74		
Date of co:	03/31/1961	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377552		

**O70  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS      OHD500000675604**

Well log n:	233361		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	LLOYD	Orig own 1:	BERNER
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	0		
St name:	COE	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	10		
Draw down:	0		
S water le:	25		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dept:	90	Located in:	Y
Date of co:	04/01/1959		
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000675604		

**O71  
ENE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000675605**

Well log n:	124878		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	FRANK
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	D
Loc no:	0		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	14		
St dir cod:	Not Reported		
St no:	3861		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1864925.03		
Horiz y:	1203370.08		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Vert acc u:	Not Reported		
Latitude:	41.302387		
Longitude:	-82.991254		
Source of :	Digitized	Flowing we:	N
Test rate:	0		
Draw down:	0		
S water le:	15		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	07/01/1954	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000675605		

**N72**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**OH WELLS      OHD500000377541**

Well log n:	145738		
Well type :	W		
End user i:	1112		
Cnty code:	143	Twp code:	1100
Orig owner:	JOHN	Orig own 1:	NOFTZ
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LSH
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	109		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	15		
St dir cod:	Not Reported		
St no:	0		
St name:	DEWEY	St type co:	RD
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zone code:	S		
Horiz x:	1864023.7		
Horiz y:	598075.51		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.307285		
Longitude:	-82.994843		
Source of :	digitized	Flowing we:	Y
Test rate:	0		
Draw down:	0		
S water le:	0		
S water me:	Not Reported	S water 1:	Not Reported
Cas ht:	0		
Screen len:	0		
Total dept:	64		
Date of co:	11/12/1955	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	\\NRAS1\		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000377541		

**P73  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000378367**

Well log n:	495229		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	LEMIRCK SALES&SUPPLY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	150		
Sub name:	Not Reported	Sub map ye:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	23		
St dir cod:	S		
St no:	391		
St name:	WOODLAND	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1865073.86		
Horiz y:	592812.09		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.292855		
Longitude:	-82.990913		
Source of :	digitized	Flowing we:	N
Test rate:	20		
Draw down:	30		
S water le:	15		
S water me:	Not Reported	S water 1:	03/24/1976
Cas ht:	0		
Screen len:	0		
Total dept:	75		
Date of co:	03/24/1976	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000378367		

**P74  
ESE  
1/2 - 1 Mile  
Higher**

**OH WELLS    OHD500000378366**



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well log n:	482717		
Well type :	W		
End user i:	1295		
Cnty code:	143	Twp code:	1100
Orig owner:	Not Reported	Orig own 1:	LEMIRICK SALES&SUPPLY
Drill type:	Not Reported	Test type :	Not Reported
Well use c:	D	Aquifer ty:	LST
Loc map ye:	1980	Loc area:	Not Reported
Loc no:	149		
Sub name:	Not Reported	Sub map ye:	Not Reported
Sub no:	Not Reported	Permit no:	Not Reported
Sec owner :	Not Reported	Lot no:	Not Reported
Sect no:	23		
St dir cod:	S		
St no:	401		
St name:	WOODLAND	St type co:	AVE
Sec add:	Not Reported		
Sec add no:	0		
City:	CLYDE	State code:	OH
Zip:	43410		
Zone code:	S		
Horiz x:	1865042.92		
Horiz y:	592675.5		
Horiz datu:	NAD27		
Horiz acc :	0		
Horiz acc1:	0		
Horiz ac 1:	Not Reported		
Vert loc:	0		
Vert acc:	0		
Vert acc u:	Not Reported		
Latitude:	41.29248		
Longitude:	-82.991022		
Source of :	digitized	Flowing we:	N
Test rate:	20		
Draw down:	40		
S water le:	22		
S water me:	Not Reported	S water 1:	02/14/1975
Cas ht:	0		
Screen len:	0		
Total dept:	80		
Date of co:	02/14/1975	Located in:	Y
Assoc rpt :	Not Reported		
Depth to b:	0		
Drill year:	Not Reported		
Well seal :	0		
Screen slo:	0		
Screened i:	0		
Screened 1:	0		
Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sustained :	0		
Attatch st:	Not Reported		
Screen dia:	0		
Screen typ:	Not Reported	Screen mat:	Not Reported
Pump type:	Not Reported		
Pump capac:	0		
Pump set a:	0		
Pitless ty:	Not Reported	Pump inst :	Not Reported
Elev sourc:	Not Reported		
Water leve:	0		
Well drill:	Not Reported	Subcon odh:	Not Reported
Site id:	OHD500000789241		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: OH Radon

### Radon Test Results

Zipcode	Num Tests	Maximum	Minimum	Arith Mean	Geo Mean
43410	62	116.1	0.1	12.24	5

Federal EPA Radon Zone for SANDUSKY County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

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Federal Area Radon Information for Zip Code: 43410

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.050 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 614-265-1044

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Public Water System Data

Source: Ohio Environmental Protection Agency

Telephone: 614-644-2752

The database includes community, transient noncommunity and nontransient noncommunity water wells; and source treatment unit locations.

#### Water Well Database

Source: Department of Natural Resources

Telephone: 614-265-6740

## OTHER STATE DATABASE INFORMATION

### RADON

#### State Database: OH Radon

Source: Department of Health

Telephone: 614-644-2727

Radon Statistics for Zip Code Areas

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**Amert Golembiowski Leach Dumps**

1682 County Road 236

Clyde, OH 43410

Inquiry Number: 3225018.49

December 21, 2011

## The EDR Aerial Photo Decade Package



# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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**Date EDR Searched Historical Sources:**

Aerial Photography December 21, 2011

**Target Property:**

1682 County Road 236

Clyde, OH 43410

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1951	Aerial Photograph. Scale: 1"=750'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: October 13, 1951	EDR
1960	Aerial Photograph. Scale: 1"=1000'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: May 16, 1960	EDR
1969	Aerial Photograph. Scale: 1"=500'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: March 22, 1969	EDR
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: April 01, 1977	EDR
1983	Aerial Photograph. Scale: 1"=1000'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: May 10, 1983	EDR
1988	Aerial Photograph. Scale: 1"=750'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: April 09, 1988	EDR
1995	Aerial Photograph. Scale: 1"=750'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: March 18, 1995	EDR
2000	Aerial Photograph. Scale: 1"=750'	Panel #: 41083-C1, Fremont East, OH;/Flight Date: October 11, 2000	EDR



**INQUIRY #:** 3225018.49

**YEAR:** 1951

| = 750'

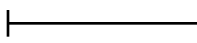




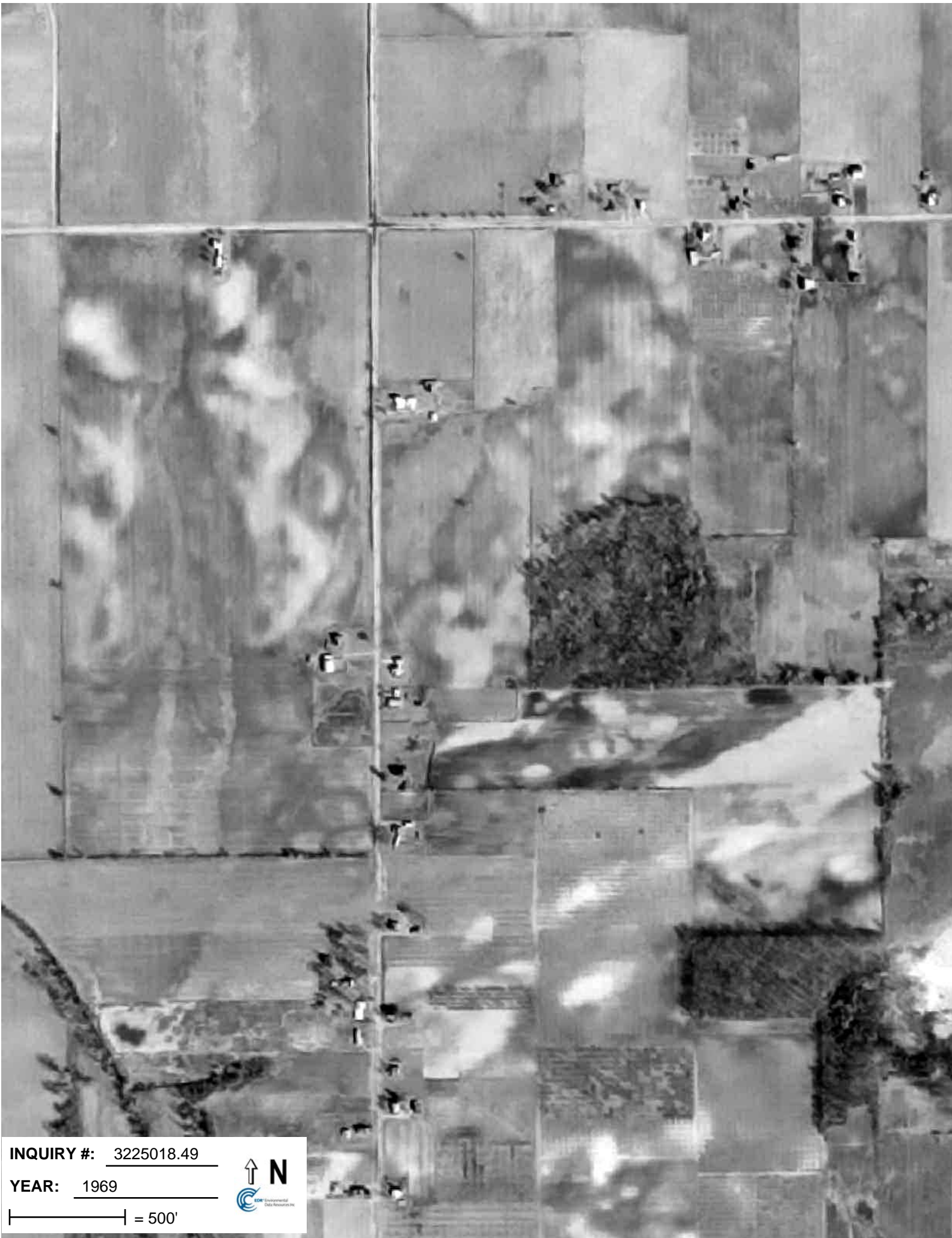


**INQUIRY #:** 3225018.49

**YEAR:** 1960

 = 1000'





**INQUIRY #:** 3225018.49

**YEAR:** 1969

| = 500'







**INQUIRY #:** 3225018.49  
**YEAR:** 1977  
|—————| = 1000'





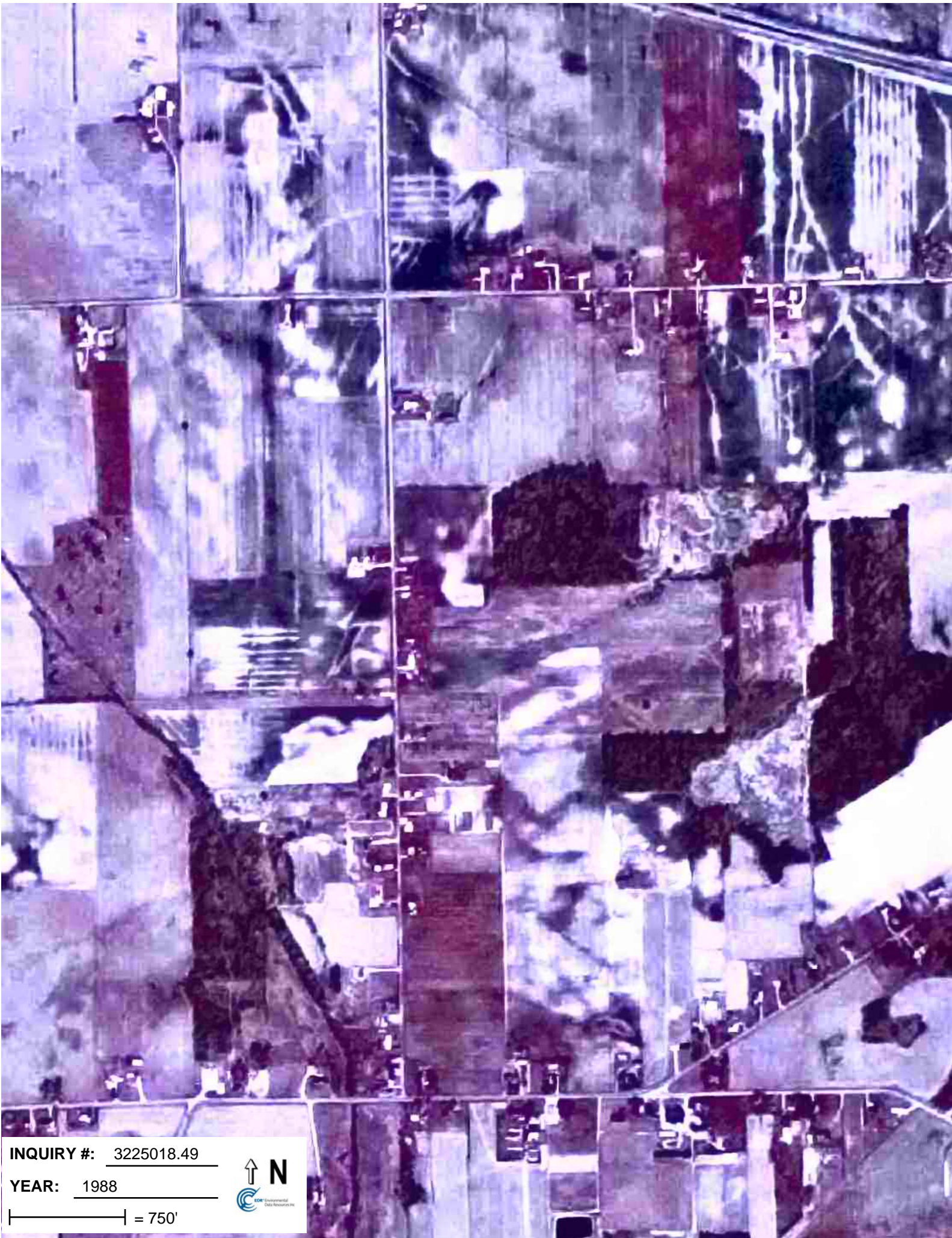
**INQUIRY #:** 3225018.49

**YEAR:** 1983

— = 1000'







**INQUIRY #:** 3225018.49

**YEAR:** 1988

| = 750'







**INQUIRY #:** 3225018.49

**YEAR:** 1995

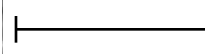
| = 750'





**INQUIRY #:** 3225018.49

**YEAR:** 2000

 = 750'



**Amert Golembiowski Leach Dumps**

1682 County Road 236  
Clyde, OH 43410

Inquiry Number: 3225018.55  
December 15, 2011

# EDR Building Permit Report

Target Property and Adjoining Properties

# EDR Building Permit Report: Search Documentation

12/15/11

**Site Name:**

Amert Golembiowski  
1682 County Road  
Clyde, OH 43410

**Client Name:**

Weston Solutions, Inc.  
6779 Engle Rd  
Middleburg Heights, OH



EDR Inquiry # 3225018.55

Contact: TJ Mcfarland

## Search Documentation

### DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 12/15/11, EDR does not have access to building permits in the city where your target property is located (Clyde, OH).

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# EDR BUILDING PERMIT REPORT

## About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

## ASTM and EPA Requirements

ASTM E 1527-05 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records – The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

## Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.





**Amert Golembiowski Leach Dumps**

1682 County Road 236  
Clyde, OH 43410

Inquiry Number: 3225018.50  
December 20, 2011

# The EDR-City Directory Abstract

## EDR CITY DIRECTORY ABSTRACT

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

## NO COVERAGE

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

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# The EDR Environmental LienSearch™ Report

**AMERT GOLEMBIOWSKI LEACH  
DUMPS  
SANDUSKY COUNTY  
CLYDE, OH 43410**

**Project Number 3225018.51**

**December 21, 2011**



## **The Standard in Environmental Risk Information**

440 Wheelers Farm Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)



## EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report includes results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers follows established procedures to:

- search for parcel information, legal description, and ownership based on client supplied address information;
- research indexes and title repositories;
- obtain a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument (title, parties involved, and description); and
- provide a copy of the deed.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# EDR Environmental LienSearch™ Report

## TARGET PROPERTY INFORMATION

### ADDRESS

AMERT GOLEMBIOWSKI LEACH DUMPS  
1682 COUNTY RD 236  
CLYDE, OH 43410

### RESEARCH SOURCE

Sources: Sandusky County

### DEED INFORMATION

Type of Deed:    WD     QCD     Other     DEED

Title is vested in:    Whirlpool Corporation, a Delaware Corporation

Title received from: David C. Amert, unmarried

Deed Dated:            March 18, 1991  
Deed Recorded:        March 18, 1991  
DBV/PG:                370/846

### LEGAL DESCRIPTION

Description: Legal attached as Exhibit "A."

Assessor's Parcel Number: 06-15-00-0027-00 and 06-22-00-0028-01

### ENVIRONMENTAL LIEN

Environmental Lien:            Found             Not Found

If yes:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:  
Recorded:  
Book:  
Page:  
Comments:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's:                    Found                     Not Found

# EDR Environmental LienSearch™ Report

## TARGET PROPERTY INFORMATION

### ADDRESS

AMERT GOLEMBIOWSKI LEACH DUMPS  
1682 COUNTY RD 236  
CLYDE, OH 43410

### RESEARCH SOURCE

Sources: Sandusky County

### DEED INFORMATION

Type of Deed:    WD     QCD     Other     DEED

Title is vested in:    Edward J. Karr

Title received from: Whirlpool Corporation, a Delaware corporation

Deed Dated:    December 14, 2005

Deed Recorded:    December 16, 2005

DBV/PG:    24/2796

### LEGAL DESCRIPTION

Description: Legal attached as Exhibit "B."

Assessor's Parcel Number: 06-22-00-0034-00

### ENVIRONMENTAL LIEN

Environmental Lien:    Found     Not Found

If yes:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:

Recorded:

Book:

Page:

Comments:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's:    Found     Not Found

## TARGET PROPERTY INFORMATION

## EDR Environmental LienSearch™ Report

### ADDRESS

AMERT GOLEMBIOWSKI LEACH DUMPS  
1682 COUNTY RD 236  
CLYDE, OH 43410

### RESEARCH SOURCE

Sources: Sandusky County

### DEED INFORMATION

Type of Deed:    WD     QCD     Other     DEED

Title is vested in:    Whirlpool Corporation, a Delaware corporation

Title received from: William R. Miller and Joyce M. Miller, husband and wife

Deed Dated:            May 3, 2004

Deed Recorded:        May 3, 2004

DBV/PG:                437/943

### LEGAL DESCRIPTION

Description: Legal attached as Exhibit "C."

Assessor's Parcel Number: 06-22-00-0035-00

### ENVIRONMENTAL LIEN

Environmental Lien:            Found             Not Found

If yes:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:

Recorded:

Book:

Page:

Comments:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's:                    Found                     Not Found

**EDR Environmental LienSearch™ Report**

**EXHIBIT A**

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That I, DAVID C. AMERT, unmarried, the Grantor, for valuable consideration paid, grant(s) with GENERAL WARRANTY COVENANTS, to WHIRLPOOL CORPORATION, a Delaware Corporation, the Grantee, whose tax mailing address is Administrative Center, Benton Harbor, Michigan, 49022, the following described real estate:

Green Creek  
SE 1/4  
MC 23

MADE BY  
L. W. H. H. H. H.  
L. W. H. H. H. H. H.  
L. W. H. H. H. H. H.  
L. W. H. H. H. H. H.

TAX MAPS  
3-11-81

02/06 22-00-00-00

Situated in the Township of Green Creek, County of Sandusky and State of Ohio and being a parcel of land located in part of the west half of the southeast quarter of Section Fifteen (15), and in part of the west half of the northeast quarter of Section Twenty-Two (22), Township 4 North, Range 16 East, Green Creek Township, Sandusky County, Ohio, and being more particularly described as follows: Commencing at a cornerstone found in the east line of the west half of the northeast quarter of said Section Twenty-Two (22); thence on an assumed bearing of North 00 degrees 11 minutes 26 seconds West, and in the east line of the west half of the northeast quarter of said Section Twenty-Two (22), a distance of one and fifty-seven hundredths (1.57) feet to a point in the centerline of County Road 179; thence North 58 degrees 03 minutes 00 seconds East, and in the centerline of County Road 179; a distance of two hundred twenty-one and seventy-six hundredths (221.76) feet to a P.K. nail and shiner set, said P.K. nail and shiner being the principal place of beginning for the herein described parcel; thence North 28 degrees 49 minutes 46 seconds West, and in the easterly line of the lands now or formerly owned by David R. Amert as recorded in Deed Volume 279, Page 794, Sandusky County Record of Deeds, and passing through an iron rod set at thirty and five hundredths (30.05) feet, a distance of three hundred ninety-three and forty-one hundredths (393.41) feet to an iron rod set in the east line of the west half of the northeast quarter of said Section Twenty-Two (22); thence North 00 degrees 11 minutes 26 seconds West, and in the east line of the west half of the northeast quarter of said Section Twenty-Two (22), and passing through an iron rod set at three hundred seventy-five and no hundredths (375.00) feet, a distance of one thousand five hundred eleven and one hundredth (1511.01) feet to an iron pipe found marking the northeast corner of the west half of the northeast quarter of said Section Twenty-Two (22); thence North 00 degrees 00 minutes 18 seconds East, and in the east line of the west half of the southeast quarter of said Section Fifteen (15), a distance of one thousand two hundred ninety-one and sixty-five hundredths (1291.65) feet to a cornerstone found; thence North 89 degrees 04 minutes 45 seconds West and in the north line of said lands of David R. Amert, and passing through an iron rod found at three hundred thirty and eighty-seven hundredths (330.87) feet, a distance of five hundred thirty-two and twenty hundredths (532.20) feet to an iron pipe set in the place of a cornerstone; thence South 00 degrees 00 minutes 27 seconds East, and in the west line of said lands of David R. Amert, a distance of one thousand six hundred fifty-one and thirty-three hundredths (1651.33) feet to a cornerstone found; thence South 89 degrees 59 minutes 34 seconds West, and in the north line of said lands of David R. Amert, a distance of seven hundred ninety and eighty-four hundredths (790.84) feet to an iron rod set in the North-South half section line of said Section Twenty-Two (22); thence South 00 degrees 04 minutes 39 seconds East and in the North-South half section line of said Section Twenty-Two (22), a distance of three hundred thirty and no hundredths (330.00) feet to an iron rod set; thence North 89 degrees 37 minutes 47 seconds East and in the south line of said lands of David R. Amert, a distance of seven hundred fifty-two and thirty-one hundredths (752.31) feet to an iron pipe found; thence South 00 degrees 01 minute 09 seconds West, and in the west line of said lands of David R. Amert, a distance of four hundred sixty-one and fifty-four hundredths (461.54) feet to an iron rod set; thence North 89 degrees 48 minutes 34 seconds East, a distance of five hundred fifty and no hundredths (550.00) feet to an iron rod set; thence South 00 degrees 11 minutes 26 seconds East, and parallel to and twenty and no hundredths (20.00) feet distant from the east line of the west half of the northeast quarter of said Section Twenty-Two (22), a distance of three hundred eighty and eleven hundredths (380.11) feet to an iron rod set; thence South 28 degrees 49 minutes 46 seconds East, and parallel to and twenty and no hundredths (20.00) feet distant from the easterly line of said lands of David R. Amert, and passing through an iron rod set at three hundred sixty-nine and fifty-five hundredths (369.55) feet, a distance of three hundred ninety-nine and sixty hundredths (399.60) feet to a P.K. nail and shiner set in the centerline of County Road 179; thence North 58 degrees 03 minutes 00 seconds East, and in the centerline of County Road 179, a distance of twenty and three hundredths (20.03) feet to the place of beginning, containing 36.3179 acres more or less but subject to all legal easements and highways.

The above description was prepared by and based on a survey made by Gulau Surveying, 1019 South Street, Fremont, Ohio, 43420, by David W. Gulau, Registered Surveyor #6727 dated February, 1991. Bearings given are based on an assumed meridian and are used to indicate angular measurements only.

EXCEPTED from the General Warranty Covenants are easements and restrictions of record and taxes and assessments for the calendar year 1991 and thereafter which said Grantee assumes and agrees to pay. Also excepting zoning restrictions of Green Creek Township. Grantee shall pay any CAUV Recoupment for the years through 1991.

In Witness Whereof, I have hereunto set my hand, the 18th day of March, in the year of our Lord one thousand nine hundred and ninety-one.

Signed and acknowledged in the presence of:

*[Signature]* David C. Amert  
David C. Amert

Nancy J. Rogers

STATE OF OHIO  
Sandusky County, ss:

Before me, a notary public in and for said county and state, personally appeared the above-named David C. Amert, unmarried, who acknowledged that he did sign the foregoing instrument and that the same is his free act and deed.

In Testimony Whereof, I have hereunto set my hand and official seal at Clyde, Ohio, this 18th day of March, A.D. 1991.

Seal

*[Signature]*  
Notary Public

THIS INSTRUMENT PREPARED BY  
HOMAN AND FEARCE, ATTORNEYS AT LAW, CLYDE, OHIO

RECEIVED FOR RECORD  
March 18, 1991  
AP 2:02 O'CLOCK P.M.  
RECORDED March 20, 1991  
SANDUSKY CO RECORDS  
VOLUME 377 PAGE 846  
Cheryl Little RECORDER  
RECORDER'S FEE \$10.00  
Penny Box

TRANSFERRED  
PER 319202 R. C.  
MAR 18 1991  
WILLIAM L. FARRELL  
AUDITOR, Sandusky County, Ohio  
Transfer Tax \$ 187.50

100 15  
SANDUSKY

**EXHIBIT B**



GFCY  
NW 22

**LIMITED WARRANTY DEED**

KNOW ALL MEN BY THESE PRESENTS: that WHIRLPOOL CORPORATION, a Delaware corporation ("Grantor"), of Berrien County, Michigan, for valuable consideration paid, grants, with limited warranty covenants, to EDWARD J. KARR ("Grantee"), whose tax-mailing address is 5585 West Eric Street, P.O. Box 208, LaCarna, Ohio 45439, the real property located in Sandusky County, Ohio and more particularly described in Exhibit A attached hereto as a part hereof (the "Property").

The Property is conveyed subject to, and there are hereby excepted from the limited warranty covenants, all of the following:

Instrument Book Page  
20050012046 OR 24 2796

- (i) Real estate taxes and assessments not yet due and payable;
- (ii) Easements, restrictions, conditions, covenants and reservations of record;
- (iii) Zoning, building and other laws, codes and ordinances;
- (iv) All legal highways;
- (v) All matters which would be disclosed by an accurate survey and inspection of the Property; and
- (vi) The Right of First Refusal Agreement of even date herewith between Grantor and Grantee.

GRANTEE HEREBY ACKNOWLEDGES THAT DURING THE 1960'S, PORCELAIN COATING RESIDUAL MATERIALS WERE DISPOSED OF ON A PORTION OF THE PROPERTY, AND, TO THE BEST OF GRANTOR'S KNOWLEDGE, THESE MATERIALS WERE EXCAVATED AND REMOVED FROM THE PROPERTY IN DECEMBER 2001 - FEBRUARY 2002. GRANTEE HEREBY RELEASES GRANTOR AND ITS OFFICERS, DIRECTORS, SHAREHOLDERS, TRUSTEES, PARTNERS, EMPLOYEES, MANAGERS AND AGENTS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, LOSSES, DAMAGES, LIABILITIES, COSTS AND EXPENSES (INCLUDING ATTORNEY'S FEES WHETHER THE SUIT IS INSTITUTED OR NOT), WHETHER KNOWN OR UNKNOWN, LIQUIDATED OR CONTINGENT (HEREINAFTER COLLECTIVELY CALLED THE "CLAIMS"), INCLUDING, WITHOUT LIMITATION, CLAIMS FOR DEATH OR PERSONAL INJURY ARISING FROM OR RELATING TO (I) ANY DEFECTS, ERRORS OR OMISSIONS IN THE DESIGN OR CONSTRUCTION OF THE PROPERTY WHETHER THE SAME ARE THE RESULT OF NEGLIGENCE OR OTHERWISE, OR (II) ANY OTHER CONDITIONS, INCLUDING ENVIRONMENTAL OR OTHER PHYSICAL CONDITIONS, AFFECTING THE PROPERTY AND/OR AFFECTING THE REAL PROPERTY CURRENTLY OWNED BY GRANTEE WHICH IS IMMEDIATELY ADJACENT TO THE NORTHERN BOUNDARY OF THE PROPERTY (THE "ADJACENT PROPERTY") WHETHER THE SAME ARE A RESULT OF NEGLIGENCE OR OTHERWISE. THE RELEASE SET FORTH HEREIN SPECIFICALLY INCLUDES, WITHOUT LIMITATION, ANY CLAIMS UNDER ANY ENVIRONMENTAL LAWS OF THE UNITED STATES, INCLUDING, WITHOUT LIMITATION, CLAIMS FOR CONTRIBUTION UNDER SECTION 113 OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT [42 U.S.C.A. 9613], THE STATE OF OHIO OR ANY POLITICAL SUBDIVISION THEREOF OR UNDER THE AMERICANS WITH DISABILITIES ACT OF 1990, AS ANY OF THOSE LAWS MAY BE AMENDED FROM THEM TO TIME, AND ANY REGULATIONS, ORDERS, RULES OF PROCEDURES

06-22-00-0034-00

TAX MAPS/GIS  
12-16-05

FIRST AMERICAN TITLE INSURANCE

1138744

OR GUIDELINES PROMULGATED IN CONNECTION WITH SUCH LAWS, REGARDLESS OF WHETHER THEY ARE IN EXISTENCE ON THE DATE HEREOF. GRANTEE IS FAMILIAR WITH THE PROPERTY, THE ADJACENT PROPERTY AND THE CONDITION THEREOF AND IS GRANTING THIS RELEASE FREELY AND OF GRANTEE'S OWN VOLITION.

Prior instrument reference: Volume 3, Page 2647, Sandusky County, Ohio Deed Records.

WITNESS our hands this 14th day of December, 2005.

WHIRLPOOL CORPORATION,  
a Delaware corporation

By: [Signature]  
Blair Clark  
Corporate Vice President & Treasurer

STATE OF MICHIGAN }  
COUNTY OF Berrien } SS:

The foregoing instrument was acknowledged before me this 14th day of December, 2005, by Blair Clark, Corporate Vice President & Treasurer of Whirlpool Corporation, a Delaware corporation, on behalf of the corporation.

[Signature]  
Notary Public

**KAY STICKNEY-DINE**  
Notary Public, Berrien County, Michigan  
My Commission Expires June 8, 2007  
*Acting in the County of Berrien*

*abd*

TAX MAPS/BIS/BL

This Instrument Prepared By:  
Steven J. Davis, Esq.  
Thompson Hine LLP  
2000 Courthouse Plaza, NE  
10 West Second Street  
Dayton, Ohio 45402

413131 1

*4/22*  
**TRANSFERRED**  
PRR 319212 R C  
DEC 16 2005  
WILLIAM J. [Signature]  
AUDITOR, SANDUSKY COUNTY, OHIO

**EXHIBIT A**

Situated in the Township of Green Creek, County of Sandusky, State of Ohio, and is described as follows:

Being a parcel of land situated in part of the Northwest Quarter (1/4) of Section Twenty-Two (22), Town-Four (4) North, Range-Sixteen (16) East, Green Creek Township, Sandusky County, Ohio described as follows:

- 1.) Commencing at a found railroad spike on the intersection of the North line of Section Twenty-Two (22) and the centerline of Township Road Two Hundred Thirty-Six (236)(60' R/W);
- 2.) thence S 00° 00' 00" W five hundred ninety-seven and sixty-eight hundredths (597.68) feet along the centerline of Township Road Two Hundred Thirty-Six (236)(60' R/W) to a set PK nail marking the POINT OF BEGINNING, said point also being the Southeast corner of an 18 acre parcel now or formerly owned by Edward Karr (Vol. 333, Pg. 36);
- 3.) thence S 00° 00' 00" W ninety and forty hundredths (90.40) feet along the centerline of Township Road Two Hundred Thirty-Six (236)(60' R/W) to a set PK nail;
- 4.) thence S 89° 58' 00" W seven hundred thirty-five and eight hundredths (735.08) feet along the North line of a parcel of land now or formerly owned by William & Joyce Miller (Vol. 281, Pg. 65) to a set iron rod passing at thirty (30.00) feet a set iron rod on the West right of way of Township Road Two Hundred Thirty-Six (236)(60' R/W);
- 5.) thence S 00° 02' 00" E one hundred thirty-five (135.00) feet along the West line of a parcel of land now or formerly owned by William & Joyce Miller (Vol. 281, Pg. 65) to a found 5/8" iron rod;
- 6.) thence S 89° 58' 00" W five hundred eighty-eight and seventy-eight hundredths (588.78) feet along the North line of a parcel of land now or formerly owned by Donald & Eildia Webb (Vol. 360, Pg. 844) and Cloyd & Alma Payne (Vol. 414, Pg. 72) to a set iron rod;
- 7.) thence N 00° 09' 10" E two hundred twenty-five and forty hundredths (225.40) feet along the West line of Section Twenty-Two (22) to a set iron rod, said line also being the East line of a parcel of land now or formerly owned by Clarence Gilbert (Vol. 379, Pg. 40);
- 8.) thence N 89° 58' 00" E one thousand three hundred twenty-three and eighteen hundredths (1323.18) feet along the South line of a parcel of land now or formerly owned by Edward Karr (Vol. 333, Pg. 36) to the POINT OF BEGINNING, passing at one thousand two hundred ninety-three and eighteen hundredths (1293.18) feet a set iron rod on the West right-of-way of Township Road Two Hundred Thirty-Six (236)(60' R/W).

Containing in all 4.5703 acres of land, more or less.

0.0623 acres in R/W.

All set and found iron rods and pipes are 1/2", unless otherwise noted.

The bearings are assumed and for angular measurements only.

412763: This legal description is based on a survey performed for Whirlpool Corp by Kusmer & Associates, Inc. in April 2004.

200500012046  
FIRST AMERICAN TITLE  
BOX  
KIT

TAX MAPS/GIS

**EXHIBIT C**



vol 437 pgs 0944



**KUSMER &  
ASSOCIATES, INC.**

Architects

Engineers

Surveyors

**LEGAL DESCRIPTION FOR A 2.2780 ACRE PARCEL  
FOR WHIRLPOOL CORP.  
PARCEL TWO (2)**

Being a parcel of land situated in part of the northwest quarter (1/4) of Section Twenty-Two (22), Town-Four (4) North, Range-Sixteen (16) East, Green Creek Township, Sandusky County, Ohio described as follows:

- 1.) Commencing at a found railroad spike on the intersection of the north line of Section Twenty-Two (22) and the centerline of Township Road Two Hundred Thirty-Six (236) (60' R/W);
- 2.) thence S 00° 00' 00" W six hundred eighty-eight and eight hundredths (688.08) feet along the centerline of Township Road Two Hundred Thirty-Six (236) (60' R/W) to a set PK nail marking the POINT OF BEGINNING;
- 3.) thence S 00° 00' 00" W one hundred thirty-five (135.00) feet along the centerline of Township Road Two Hundred Thirty-Six (236) (60' R/W) to a found railroad spike;
- 4.) thence S 89° 58' 00" W seven hundred thirty-five (735.00) feet along the north line of a parcel of land now or formerly owned by Donald & Elidia Webb (Vol. 360, Pg. 844) to a found iron, passing at thirty (30.00) feet a found 5/8" iron rod on the west right-of-way of Township Road Two Hundred Thirty-Six (236) (60' R/W);
- 5.) thence N 00° 02' 00" W one hundred thirty-five (135.00) feet along the southerly line of a parcel of land now or formerly owned by Ronald & Cynthia Grover (Vol. 357, Pg. 305) to a set iron rod;
- 6.) thence N 89° 58' 00" E seven hundred thirty-five and eight hundredths (735.08) feet along the southerly line of a parcel of land now or formerly owned by Ronald & Cynthia Grover (Vol. 357, Pg. 305) to the POINT OF BEGINNING, passing at seven hundred five and eight hundredths (705.08) feet a set iron rod on the west right-of-way of Township Road Two Hundred Thirty-Six (236) (60' R/W).

TAX MAPS/GIS

622 West State Street

Remont, Ohio 43420

Phone 419-332-1027

Fax 419-332-7056

vr 437 ~~nr~~ 0945

Containing in all 2.2780 acres of land, more or less, subject to all highways and easements.

0.0930 Acres in the R/W.

All set and found iron rods and pipes are 1/2", unless otherwise noted.

The bearings are assumed and for angular measurements only.

This legal description is based upon a survey performed for Whirlpool Corp. by Kusmer & Associates, Inc. in April, 2004.

TAX MAPS/GIS

April 16, 2004  
Job No. 04035-S  
WRK/blk

STATE OF OHIO  
COBERT  
KUSMER  
W Robert Kusmer

200400004552  
Filed for Record in  
HARDY COUNTY, OHIO  
COLLEEN CARBON  
05-03-2004 at 02:05 PM  
10 24.00  
Book 437 Page 943 - 945

200400004552  
MILAND-TITLE  
RM

File: 04035b.leg

**Amert Golembiowski Leach Dumps**

1682 County Road 236  
Clyde, OH 43410

Inquiry Number: 3225018.52  
December 15, 2011

# The EDR Property Tax Map Report



## EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

## NO COVERAGE

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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**Amert Golembiowski Leach Dumps**

1682 County Road 236

Clyde, OH 43410

Inquiry Number: 3225018.47

December 15, 2011



**Certified Sanborn® Map Report**

# Certified Sanborn® Map Report

12/15/11

**Site Name:**

Amert Golembowski Leach  
1682 County Road 236  
Clyde, OH 43410

**Client Name:**

Weston Solutions, Inc.  
6779 Engle Rd  
Middleburg Heights, OH 44130



EDR Inquiry # 3225018.47

Contact: TJ Mcfarland

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Weston Solutions, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Amert Golembowski Leach Dumps  
**Address:** 1682 County Road 236  
**City, State, Zip:** Clyde, OH 43410  
**Cross Street:**  
**P.O. #** 0077763  
**Project:** Eastern Sandusky Dumps SA  
**Certification #** 49C1-49D7-8A8B



Sanborn® Library search results  
Certification # 49C1-49D7-8A8B

## UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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**Amert Golembiowski Leach Dumps**

1682 County Road 236

Clyde, OH 43410

Inquiry Number: 3225018.48

December 15, 2011

## EDR Historical Topographic Map Report

# EDR Historical Topographic Map Report

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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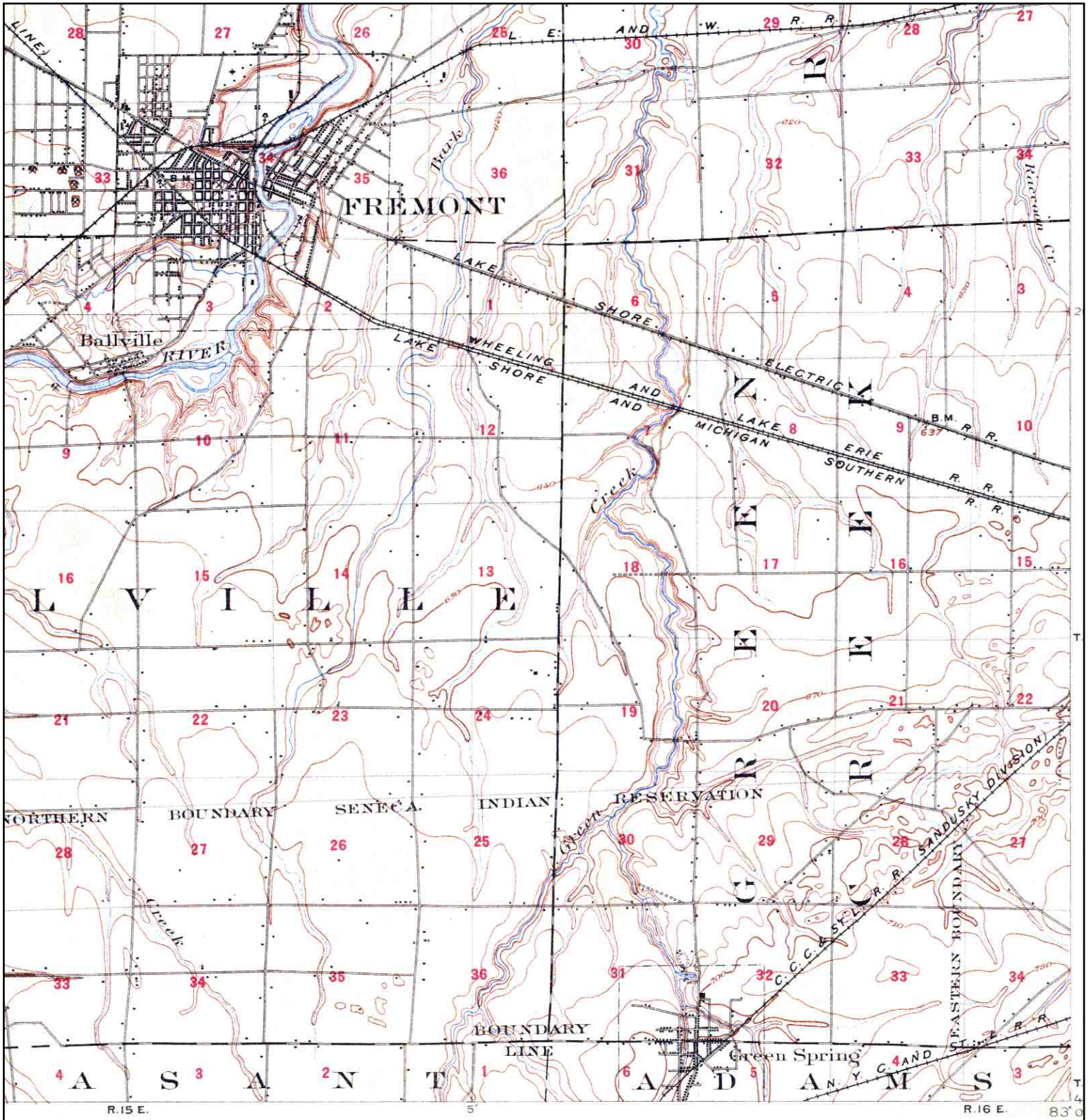
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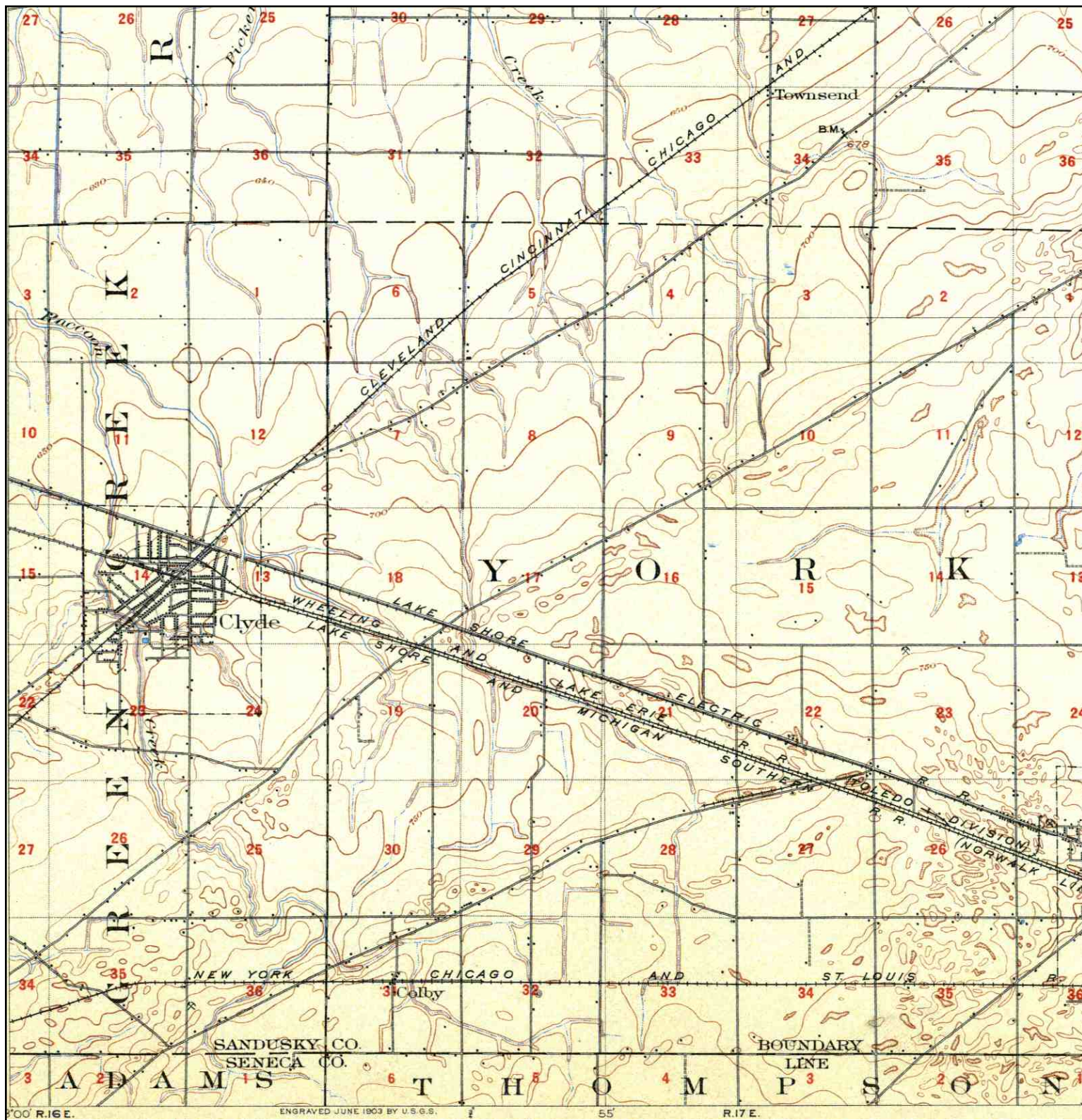
# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Amert Golembowski Leach Dumps	<b>CLIENT:</b> Weston Solutions, Inc.
	NAME: FREMONT	<b>ADDRESS:</b> 1682 County Road 236	<b>CONTACT:</b> TJ Mcfarland
	MAP YEAR: 1903	Clyde, OH 43410	<b>INQUIRY#:</b> 3225018.48
	<b>SERIES:</b> 15	<b>LAT/LONG:</b> 41.2977 / -83.0087	<b>RESEARCH DATE:</b> 12/15/2011
	<b>SCALE:</b> 1:62500		



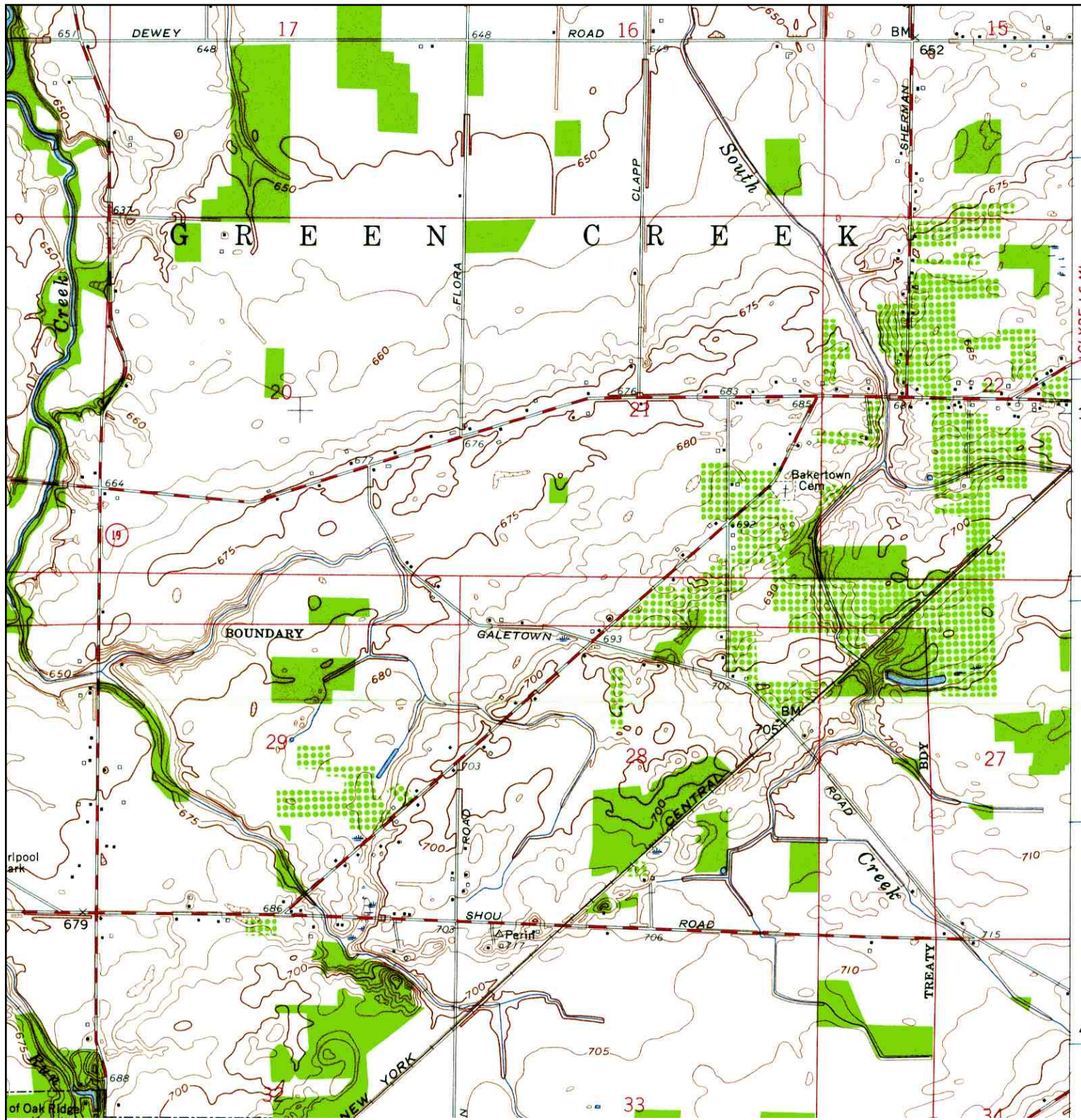
# Historical Topographic Map



<p>N</p>	<p><b>TARGET QUAD</b></p> <p>NAME: BELLEVUE</p> <p>MAP YEAR: 1903</p>	<p>SITE NAME: Amert Golembiowski Leach Dumps</p> <p>ADDRESS: 1682 County Road 236 Clyde, OH 43410</p> <p>LAT/LONG: 41.2977 / -83.0087</p>	<p>CLIENT: Weston Solutions, Inc.</p> <p>CONTACT: TJ Mcfarland</p> <p>INQUIRY#: 3225018.48</p> <p>RESEARCH DATE: 12/15/2011</p>
	<p>SERIES: 15</p> <p>SCALE: 1:62500</p>		



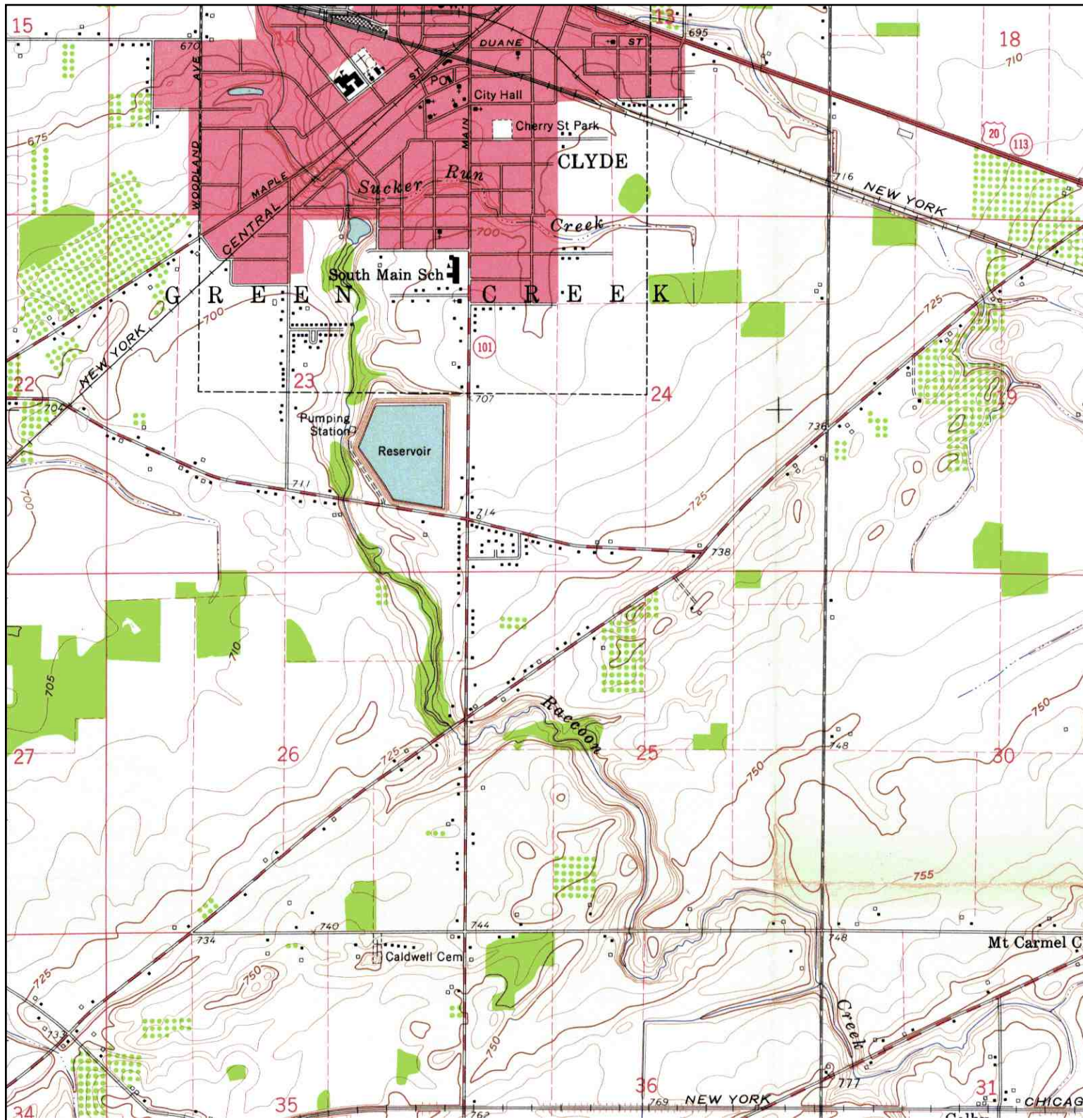
# Historical Topographic Map



<p>N</p>	<p><b>TARGET QUAD</b></p> <p>NAME: FREMONT EAST</p> <p>MAP YEAR: 1958</p>	<p>SITE NAME: Amert Golembiowski Leach Dumps</p> <p>ADDRESS: 1682 County Road 236 Clyde, OH 43410</p> <p>LAT/LONG: 41.2977 / -83.0087</p>	<p>CLIENT: Weston Solutions, Inc.</p> <p>CONTACT: TJ Mcfarland</p> <p>INQUIRY#: 3225018.48</p> <p>RESEARCH DATE: 12/15/2011</p>
	<p>SERIES: 7.5</p> <p>SCALE: 1:24000</p>		



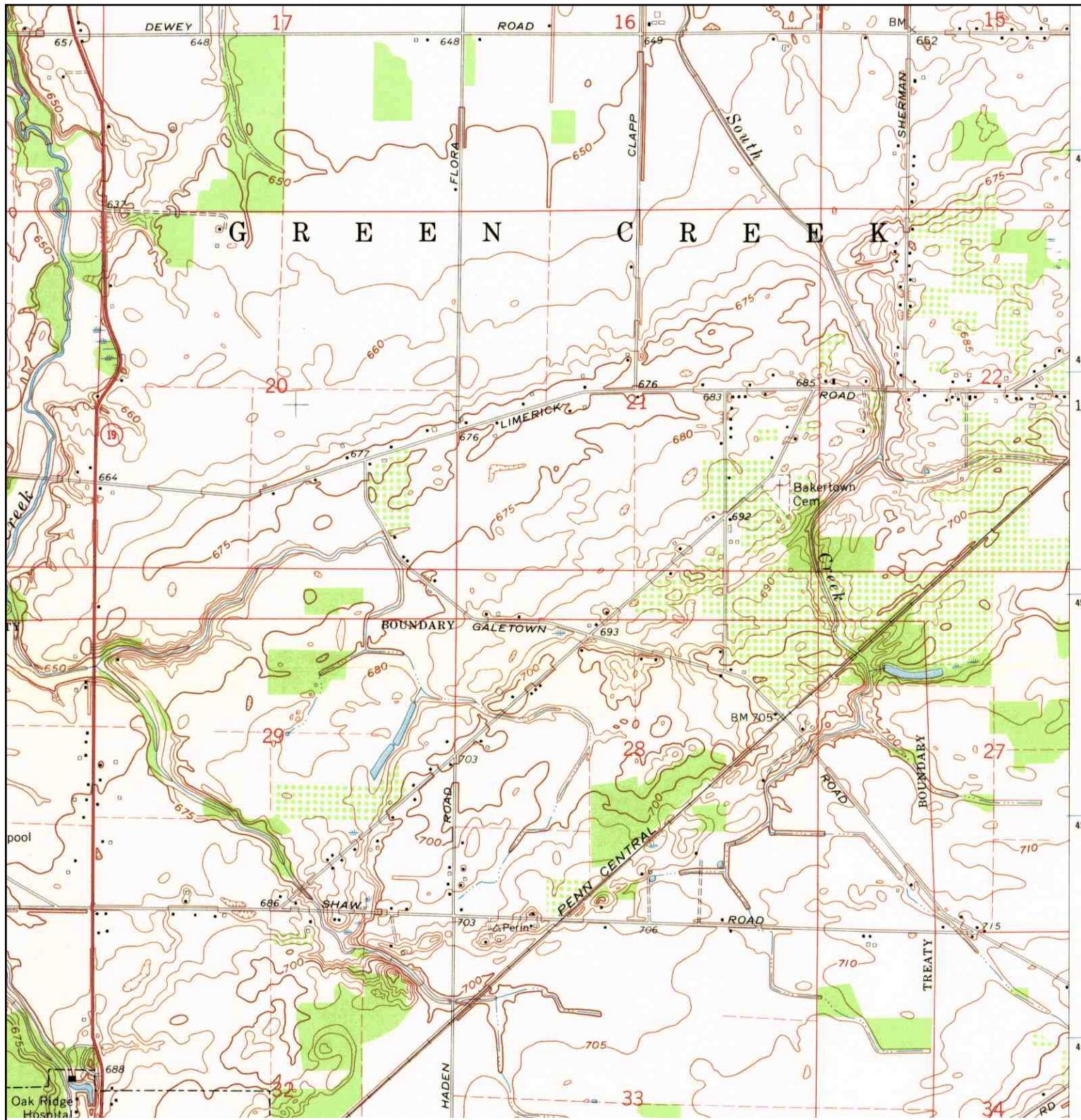
# Historical Topographic Map




<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: CLYDE                  MAP YEAR: 1959</p>	<p><b>SITE NAME:</b> Amert Golembowski Leach                  Dumps</p>	<p><b>CLIENT:</b> Weston Solutions, Inc.</p>
	<p><b>SERIES:</b> 7.5</p>	<p><b>ADDRESS:</b> 1682 County Road 236                  Clyde, OH 43410</p>	<p><b>CONTACT:</b> TJ Mcfarland</p>
	<p><b>SCALE:</b> 1:24000</p>	<p><b>LAT/LONG:</b> 41.2977 / -83.0087</p>	<p><b>INQUIRY#:</b> 3225018.48</p>
			<p><b>RESEARCH DATE:</b> 12/15/2011</p>



# Historical Topographic Map



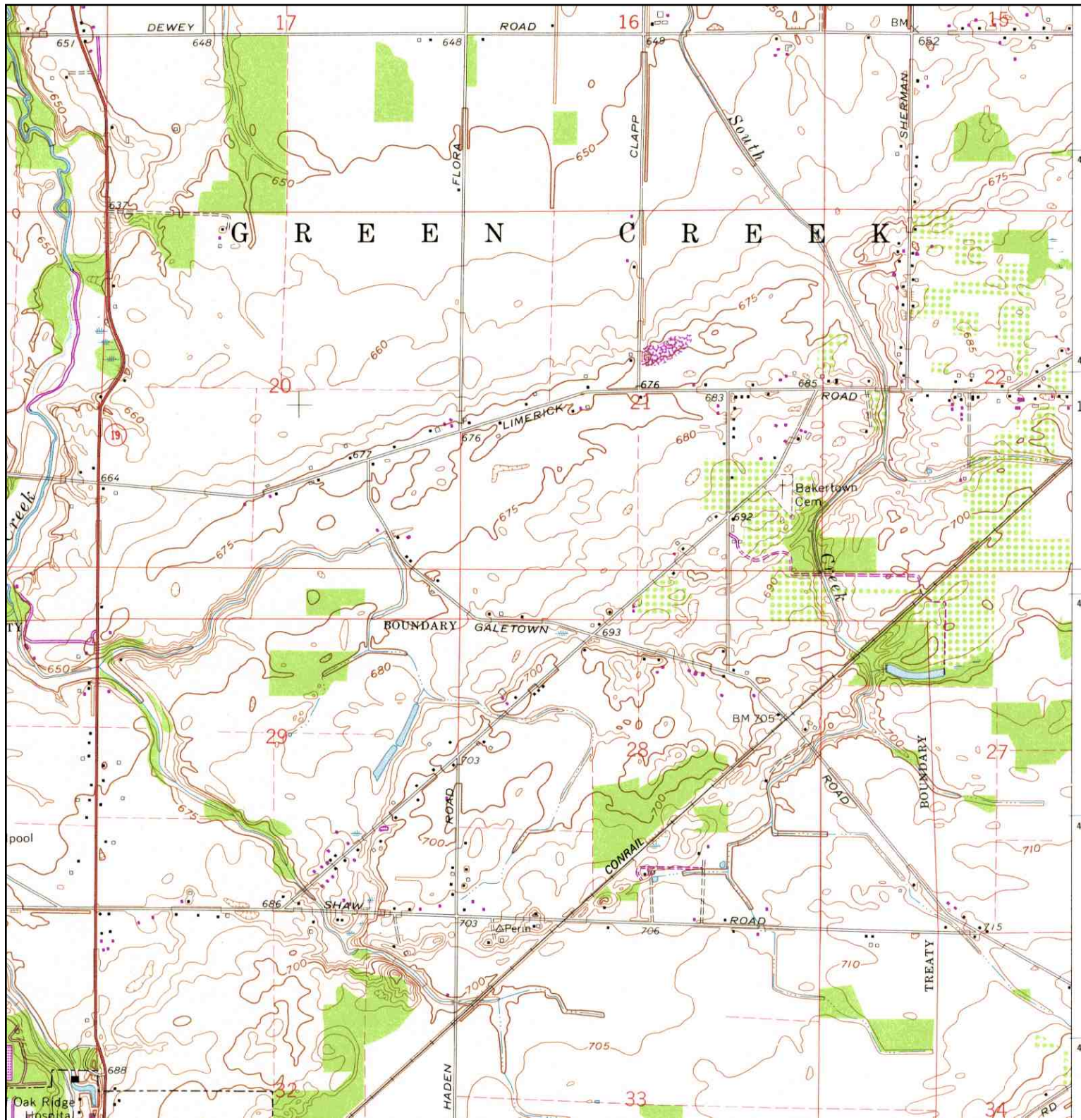
<b>N</b> 	<b>TARGET QUAD</b> NAME: FREMONT EAST MAP YEAR: 1969	SITE NAME: Amert Golembowski Leach Dumps ADDRESS: 1682 County Road 236 Clyde, OH 43410	CLIENT: Weston Solutions, Inc. CONTACT: TJ Mcfarland INQUIRY#: 3225018.48 RESEARCH DATE: 12/15/2011
	SERIES: 7.5 SCALE: 1:24000	LAT/LONG: 41.2977 / -83.0087	







# Historical Topographic Map



<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Amert Golembowski Leach	<b>CLIENT:</b> Weston Solutions, Inc.
	NAME: FREMONT EAST	Dumps	<b>CONTACT:</b> TJ Mcfarland
	MAP YEAR: 1980	<b>ADDRESS:</b> 1682 County Road 236	<b>INQUIRY#:</b> 3225018.48
	PHOTOREVISED: 1969	Clyde, OH 43410	<b>RESEARCH DATE:</b> 12/15/2011
	SERIES: 7.5	<b>LAT/LONG:</b> 41.2977 / -83.0087	
	SCALE: 1:24000		

---

**APPENDIX A3**  
**PHOTOGRAPHIC DOCUMENTATION**

---





**Site:** Amert Lagoon Site  
**Photograph No.:** 1  
**Direction:** Northwest  
**Subject:** View of northern half of the Site

**Date:** 2/20/12  
**Photographer:** Michael Blair



**Site:** Amert Lagoon Site  
**Photograph No.:** 2  
**Direction:** Southeast  
**Subject:** View of southern half of the Site

**Date:** 2/20/12  
**Photographer:** Michael Blair



**Site:** Amert Lagoon Site

**Photograph No.:** 3

**Direction:** Not Applicable

**Subject:** View of Whirlpool Manufacturing waste in soil core

**Date:** 2/20/12

**Photographer:** Michael Blair



**Site:** Amert Lagoon Site

**Photograph No.:** 4

**Direction:** North

**Subject:** View of ground water sampling activity beside monitoring well \_\_\_\_

**Date:** 2/20/12

**Photographer:** Michael Blair





**Site:** Amert Lagoon Site

**Photograph No.:** 5

**Direction:** West

**Subject:** Soil vapor probe sampling at soil boring B03

**Date:** 2/20/12

**Photographer:** Michael Blair



---

**APPENDIX A4**  
**GEOPHYSICAL SURVEY REPORT AND FIGURES**

---



GEOPHYSICAL INVESTIGATION  
Eastern Sandusky County Project  
Eastern Sandusky, Ohio

*Prepared for:*

Weston Solutions, Inc.  
600 E. Lakeshore Drive, Suite 200  
Houghton, Michigan 49931  
February 22, 2012

*Prepared by:*

THG Geophysics, Ltd.  
4280 Old William Penn Highway  
Murrysville, Pennsylvania 15668  
724-325-3996  
[www.geo-image.com](http://www.geo-image.com)  
THG Project No. 770-4980

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## LIST OF FIGURES

1. Site Location Map
2. Terrain Conductivity Map Amert Lagoon
3. Inphase (metals) Map Amert Lagoon

## 1.0 INTRODUCTION

### 1.1 BACKGROUND

Weston Solutions, Inc. contracted with THG Geophysics, Ltd. (THG) to image the Amert Lagoon Site as part of an investigation of 11 waste facilities in and around Clyde, Ohio (Figure 1). The work scope of this geophysical investigation is to determine the presence of buried drums and waste.

### 1.2 WORK SCOPE

The work scope consisted of imaging the subsurface of the Amert Lagoon site (Figures 2 and 3) 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. The instrument 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 milliSiemens/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 the Amert Lagoon site (Figures 2 and 3). Background soil terrain conductivity was measured to be approximately 20 mS/m in the Clyde, Ohio area.

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 (Figure 2). The in-phase terrain conductivity map is sensitive to ferrous and non-ferrous metals (Figure 3).

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.

#### 3.2 AMERT LAGOON

The Amert Lagoon was a former Whirlpool waste placement facility. Reportedly ceramic waste was placed at this location and excavated for proper burial off site. The Amert lagoon consists of 6.5 acres of a slightly elevated orthogonal area, clearly indicative of the presence of an engineered waste cell (Figure 12).

The low terrain conductivity readings suggests that there is little leachate present at the site; although the conductance footprint suggests a possible plume migrating to the southeast (Figure 2). The inphase map indicates that no metal is present at the site (Figure 3).

#### 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 Amert Lagoon site showed no obvious signs of waste placement.

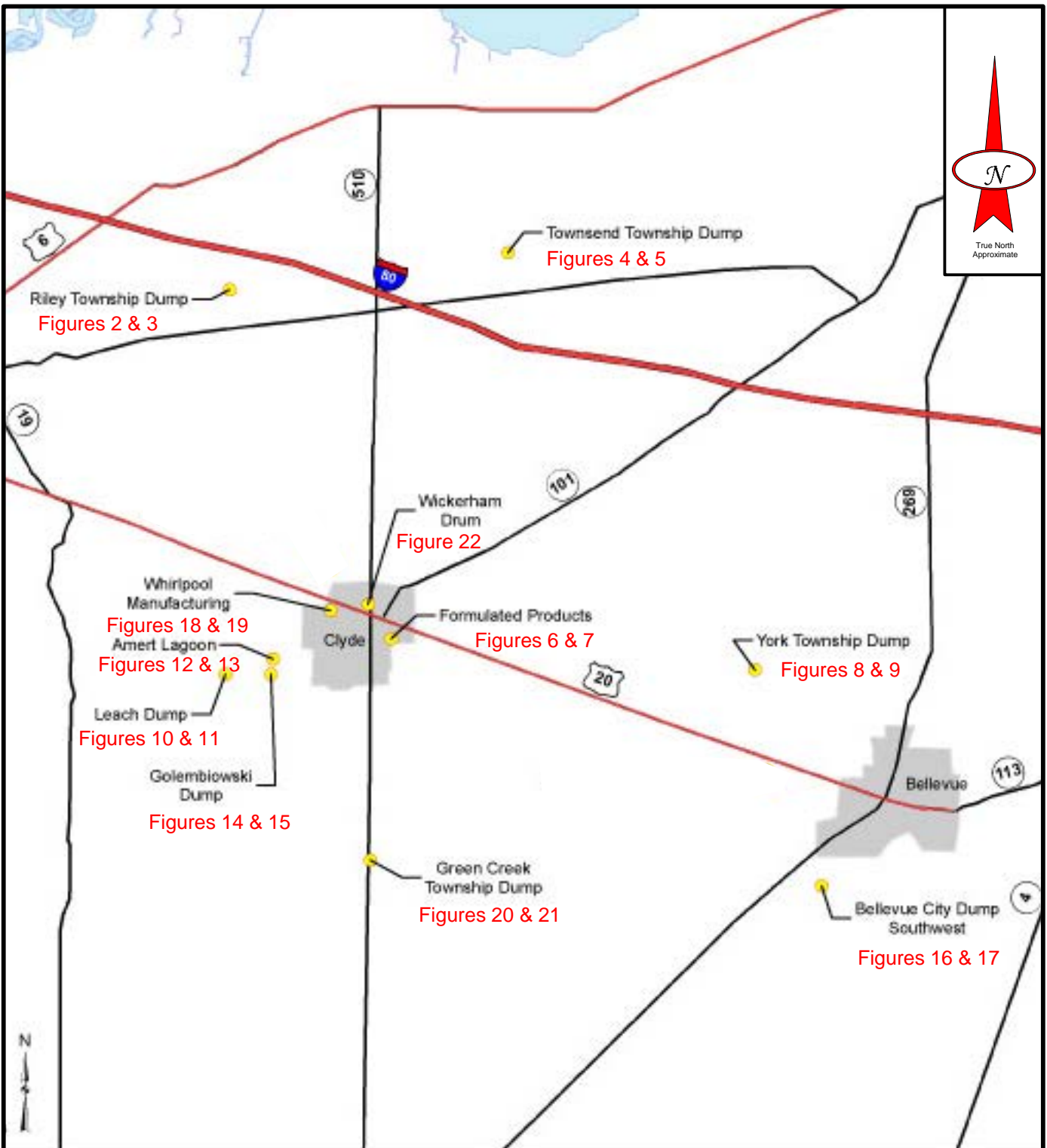
*Geophysical investigations are a non-invasive method of interpreting physical properties of the shallow earth using electrical, electromagnetic, or mechanical energy. This document contains geophysical interpretations of responses to induced or real-world phenomena. As such, the measured phenomenon 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

- Benson, R., R. A. Glaccum and M. R. Noel. (1988). Geophysical Techniques for Sensing Buried Wastes and Waste Migration. National Water Well Association Dublin, OH, 236 pp.
- Geonics Limited. (1994). EM31 Operating Manual (For Models With Two Digital Meters). Geonics Limited.
- Greenhouse, J. P., M. E. Monier-Williams, N. Ellert and D. D. Slaine. (1989). Paper 53, Geophysical methods in groundwater contamination studies. *In*, Garland, G. D., ed. Pp. 666-677. Proceedings of Exploration '87: Third Decennial International Conference on Geophysical and Geochemical Exploration for minerals and Groundwater, Queen's Printer for Ontario, Toronto, Canada.
- Greenhouse, J. P. and D. D. Slaine. (1983). The uses of reconnaissance electromagnetic methods to map contaminant migration. *Ground Water Monitoring Review*. 3: 47-59.
- Hutchinson, P. J. (1993). *An Energy Perspective on Landfills*. *In The Future of Energy Gases*: ed. D. Howell. US Geological Survey Professional Paper 1570, p. 365-382.
- Hutchinson, P. J. (1995). *The Geology of Landfills*. **Journal of Environmental Geosciences**. V. 2(1). p. 2-14.
- Hutchinson, P.J. (2006). *Geophysical Imaging Techniques as a Screening Tool*. *In: Proceedings of the North American Environmental Field Conference and Exposition*, January 10-12, 2006, Tampa, Florida.
- Hutchinson, P. J., and L. Barta (2000) *Geophysical Applications to Solid Waste Analysis*. *In Sixteenth International Conference on Solid Waste Technology and Management*, December 11, 2000, Philadelphia, PA. eds. Zandi, I., Mersky, R.L., Shieh W.K. p. 2.68–2.78. ISSN 1091-8043.
- Hutchinson, P.J. and L. Barta (2005). *Hi-Tech Blueprints: Electromagnetic Conductivity Mapping Can Calculate Landfill Volume*. **Waste Age**. v. 36(2) p. 20.
- Mack, T. J. and P. E. Maus. (1986). Detection of contaminant plumes in ground water of Long Island, New York, by electromagnetic terrain-conductivity surveys. USGS. Water-Resources Investigations. 86-4045. 39 pp.
- McNeill, J. D. (1980). Electromagnetic terrain conductivity measurement at low induction numbers. Geonics Limited. Technical Note. TN-6. 1-15 pp.
- McNeill, J. D. (1990). Use of electromagnetic methods for groundwater studies. *In*, Ward, S. H., ed. Pp. 191-218. Geotechnical and Environmental Geophysics, Society of Exploration Geophysicists, Tulsa, OK.

- McQuown, M. S., S. R. Becker, et al. (1991). Subsurface characterization of a landfill using integrated geophysical techniques. Proceedings of the Fifth National Outdoor Action Conference on Aquifer Restoration, Ground Water Monitoring and Geophysical Methods, May 13-16, 1991, Las Vegas, NV, Water Well Journal Publishing Co.
- Monier-Williams, M. E., J. P. Greenhouse, J. M. Mendes and N. Ellert. (1990). Terrain conductivity mapping with topographic corrections at three waste disposal sites in Brazil. *In*, Ward, S. H., ed. Pp. 41-55. Geotechnical and Environmental Geophysics, Society of Exploration Geophysicists, Tulsa, OK.
- Rumbaugh, J. O., III, J. A. Caldwell and S. T. Shaw. (1987). A geophysical ground water monitoring program for a sanitary landfill: Implementation and preliminary analysis. *In*, First National outdoor Action Conference on Aquifer Restoration, Ground Water Monitoring and Geophysical Methods. Graves, B., J. H. Lehr, K. Butcher, P. Alcorn, L. Ammerman, P. Williams, M. Renz and V. Shelton, ed. Pp. 623-641. National Water Well Association, Las Vegas, Nevada.
- Saunders, W. R. and S. A. Cox. (1987). Use of an electromagnetic Induction technique in subsurface hydrocarbon investigations. *In*, First National Outdoor Action Conference on Aquifer Restoration, Ground Water Monitoring and Geophysical Methods. Graves, B., J. H. Lehr, K. Butcher, P. Alcorn, L. Ammerman, P. Williams, M. Renz and V. Shelton, ed. Pp. 585-601. National Water Well Association, Las Vegas, Nevada.
- Scaife, J. E. (1990). Using geophysical techniques in environmental site assessments. *Municipal & Industrial Water & Pollution Control*. CXXVIII(4): 4-5.
- Schutts, L. D. and D. G. Nichols. (1991). Surface geophysical definition of ground water contamination and buried waste: Case studies of electrical conductivity and magnetic applications. *In*, Proceedings of the Fifth National Outdoor Action Conference on Aquifer Restoration, Ground Water Monitoring and Geophysical Methods, May 13-16, 1991. ed. Pp. 889-903. Water Well Journal Publishing Co., Las Vegas, NV.
- Stenson, R. W. (1988). Electromagnetic data acquisition techniques for landfill investigations. *In*, Symposium on the Application of Geophysics to Engineering Problems. ed. Pp. 735-746. The Society of Engineering & Mineral Exploration Geophysics, Golden, CO.



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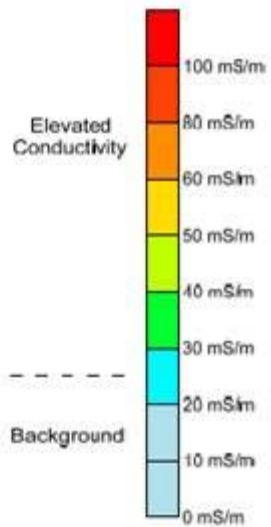
### Figure 1 Site Location Map

Geophysical Investigation  
 Eastern Sandusky County Project  
 Clyde, Ohio

SCALE: 1:120,000	PROJECT NO.: 770-4980	DRAWING NO.: DWG4980F1
DATE: 2/17/12	SOURCE: Weston Solutions, 2012	
DRAWN BY: PJH		
CHECKED BY: PJH		



**Color Scale**

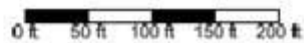
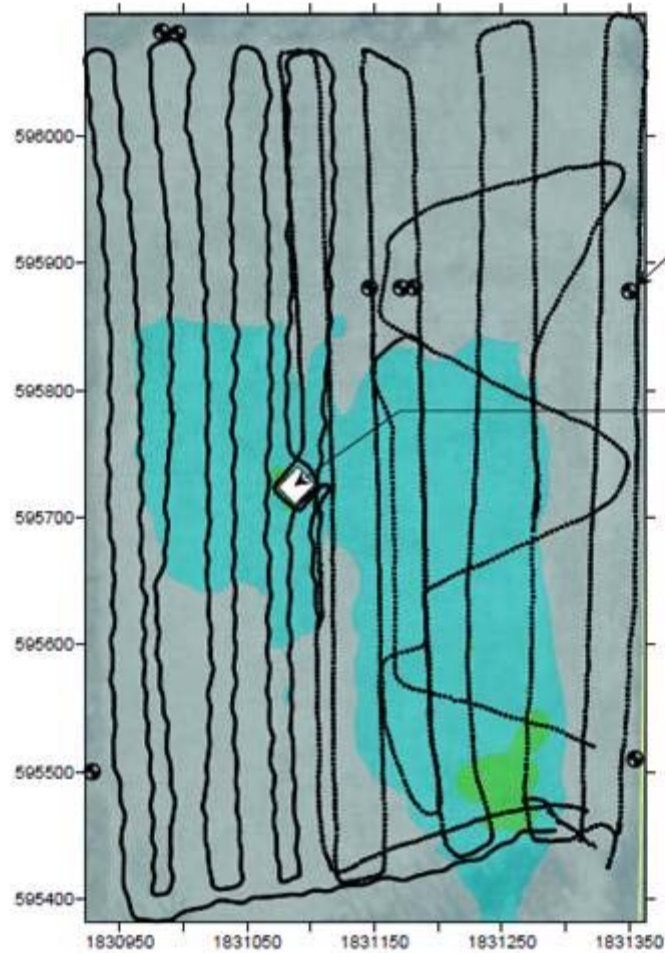


Elevated Conductivity

Background

**Legend**

○ Footpath



Monitoring Well

Shed

**Notes**

Geophysical survey conducted February 14, 2012 using Geonics FM-31 frequency-domain electromagnetic conductivity meter.

Real-time positioning of data using fully integrated Trimble ProXRS global positioning system set to NAD 1983 US State Plane (Ohio, North) coordinate system in feet.

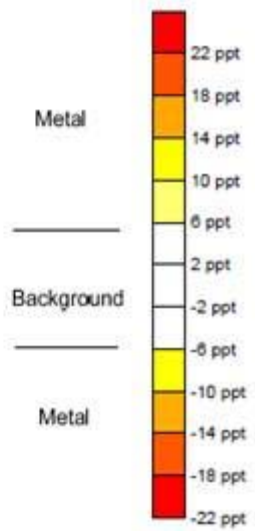
Locations are approximate.

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 4300 Oak Hillway  
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DATE	PJH	2/17/12	PROJECT:
CHK	PJH	2/17/12	<b>Geophysical Investigation Eastern Sandusky County Project Clyde, Ohio</b>
REV	PJH	2/17/12	
PROJ MGR	PJH	2/17/12	
SCALE:	1" = 100'		SHEET TITLE:
SOURCE:	Base from Weston Solutions, 2012		<b>Figure 2 Terrain Conductivity Map Amert Lagoon</b>
PREPARED FOR:	<b>WESTON SOLUTIONS</b> an earthdata-arcgis company		PROJECT NO: <b>770-4980</b>
			DRAWING NO: <b>DWG4980F12</b>



Color Scale

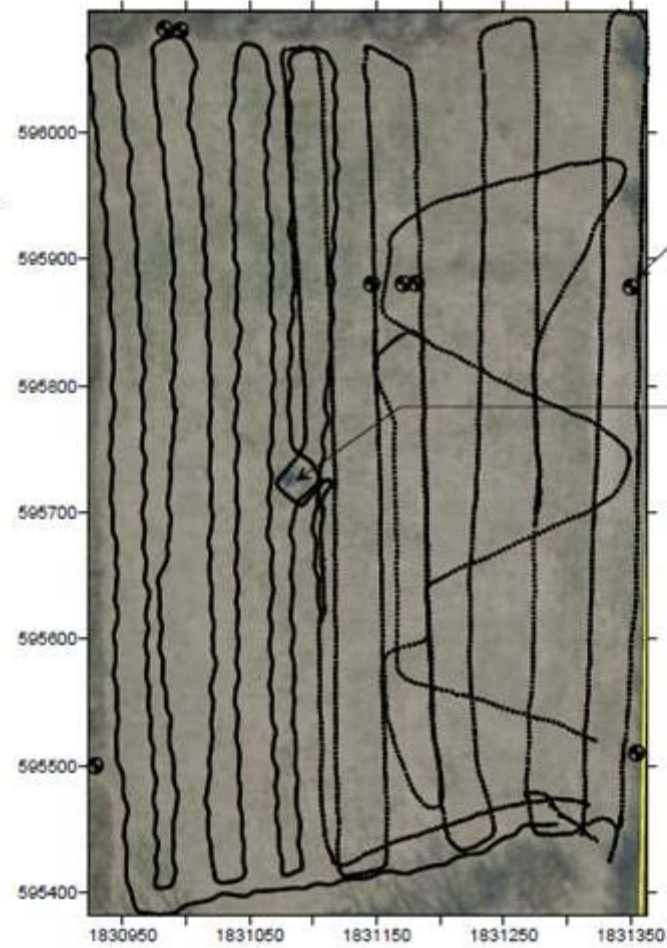


Background



Legend

○ Footpath



Monitoring Well

Shed



Notes

Geophysical survey conducted February 14, 2012 using Geonics EM-31 frequency-domain electromagnetic conductivity meter.

Real-time positioning of data using fully integrated Trimble ProXR5 global positioning system set to NAD 1983 US State Plane (Ohio, North) coordinate system in feet

Locations are approximate.

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DES	PJH	2/17/12	PROJECT:
DRN	PJH	2/17/12	<b>Geophysical Investigation Eastern Sandusky County Project Clyde, Ohio</b>
CHK	PJH	2/17/12	
REV			
PROJ MGR.	PJH	2/17/12	
SCALE:	1" = 100'		SHEET TITLE:
SOURCE:	Base from Weston Solutions, 2012		<b>Figure 3 Inphase (Metal) Map Amert Lagoon</b>
PREPARED FOR:	<b>WESTON SOLUTIONS</b> an anytime-based company		PROJECT NO: 770-4980
			DRAWING NO: DWG4980F13


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**APPENDIX A5  
BORING LOGS**

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WESTON SOLUTIONS, INC.				Drilling/Lithologic Log		PAGE 1 OF 1	
Job Name		East Sandusky S.A.		Boring No.	AL-B01	Groundwater Levels	
Job No.		20405.012.001.1691.00		Well Type	N/A	Date	Depth
Date Drilled		20 Feb 12		Drilling Method	Direct Push		
Drilling Co.		Buckeye Probe		Completion Depth	12.0 (ft bgs)		
Drill Foreman		Rick Tosatto		Location	Amert Lagoon Site		
Logged By		Michael Blair		Ground Elevation	N/A		
Drill Rig Type		Geoprobe		Top of Casing Elevation	N/A		
Depth ft BGS	Sample Number/Time	Recovery (In.)	Well Log	USCS	Visual Description	FID/OVA HEATED HEADSPACE	
2		40		TS	TOPSOIL - Yellow brown sand, grass, roots, moist.	0.5'	
				CL	CLAY - Brown clay, some silt, soft/stiff, moist.	2.0'	N/A
4	AL-B01-S01-022012	43		FILL	FILL - Mottled orange & gray porcelain debris, soft, moist, light in weight. Note: Material changes color to mottled green/gray & yellow brown.	7.2	
	1430 hrs.					N/A	
8	AL-B01-S02-022012	24		SW	SAND - Brown fine-grained sand, moist, loose. Note: 2.0" layer of black colored sand (old topsoil layer) @ 6.5 ft.	7.9	
	1440 hrs.					1.2	
12				SW	SAND - Gray medium/coarse-grained sand, trace gravel, loose, saturated.  Note: Material saturated @ 10 ft.	11'	
						0.8	
18					Boring terminated @ 12.0 ft.		


 Well screen & sand pack  
 Well riser/bentonite seal

 Bentonite Seal  
 Soil Vapor Screen Interval: 2 ft. To 6 ft.



WESTON SOLUTIONS, INC.				Drilling/Lithologic Log		PAGE 1 OF 1	
Job Name		East Sandusky S.A.		Boring No.	AL-B02	Groundwater Levels	
Job No.		20405.012.001.1691.00		Well Type	N/A	Date	Depth
Date Drilled		20 Feb 12		Drilling Method	Direct Push		
Drilling Co.		Buckeye Probe		Completion Depth	12.0 (ft bgs)		
Drill Foreman		Rick Tosatto		Location	Amert Lagoon Site		
Logged By		Michael Blair		Ground Elevation	N/A		
Drill Rig Type		Geoprobe		Top of Casing Elevation	N/A		
Depth ft BGS	Sample Number	Recovery (In.)	Well Log	USCS	Visual Description		FID/OVA HEATED HEADSPACE
2		34		TS	TOPSOIL - Brown clay, some silt, grass, roots, moist. 0.25'		0.2
				CL	CLAY - Brown clay, some silt, stiff/hard, moist (cap material). 2.0'		
4	AL-B02-S01-022012	32		FILL	FILL - Mottled yellow brown & orange waste porcelain material, soft, moist, light weight. 0.6		1
	AL-B02-S01-022012-DP 1200 hrs.				6.0'		
6	AL-B02-S01-022012	48		SW	SAND - Yellow brown sand, soft, moist. Note: 6" seam of black colored sand & vegetation (old topsoil layer) @ 6.5'		0.5
	AL-B02-S02-022012-MS 1225 hrs.			8'			
8				SC	SAND - Yellow brown/gray sand & clay, soft, moist. 8'		1.4
				SW	SAND - Yellow sand, loose, saturated. 9'		
10				GP	SAND/GRAVEL- Gray sand & gravel, loose, saturated. 10'		1.5
				SM	SAND - Gray fine-grained sand, some silt, loose, saturated.		
12					Boring terminated @ 12.0 ft.		
14							
16							
18							

 Well screen & sand pack  
 Well riser/bentonite seal

 Bentonite Seal  
 Soil Vapor Screen Interval: 2 ft. To 6 ft.



Job Name	East Sandusky S.A.	Boring No.	AL-B03	Groundwater Levels	
Job No.	20405.012.001.1691.00	Well Type	N/A	Date	Depth
Date Drilled	20 Feb 12	Drilling Method	Direct Push		
Drilling Co.	Buckeye Probe	Completion Depth	8.0 (ft bgs)		
Drill Foreman	Rick Tosatto	Location	Amert Lagoon Site		
Logged By	Michael Blair	Ground Elevation	N/A		
Drill Rig Type	Geoprobe	Top of Casing Elevation	N/A		

Depth ft BGS	Sample Number/ Time	Recovery (In.)	Well Log	USCS	Visual Description	FID/OVA HEATED HEADSPACE
				TS	TOPSOIL - Brown, grass, roots, moist.	0.25'
2		36		SW	SAND - Yellow brown fine-grained sand, loose, moist.  Note: Material saturated @ 2.0 ft.	0.7
	AL-B03-S01-022012					0.5
4	1030 hrs.					0.7
6		40				7.0'
8				GP	SAND/GRAVEL - Mottled brown & gray fine grained sand/gravel mixture, loose, saturated.	8.0'
10					Boring terminated @ 8.0 ft.	
12						
14						
16						
18						

Well screen & sand pack  
Well riser/bentonite seal

Bentonite Seal  
Soil Vapor Screen Interval: ft. To ft.

<b>Job Name</b>	<b>East Sandusky S.A.</b>	<b>Boring No.</b>	<b>AL-B04</b>	<b>Groundwater Levels</b>	
<b>Job No.</b>	<b>20405.012.001.1691.00</b>	<b>Well Type</b>	<b>N/A</b>	<b>Date</b>	<b>Depth</b>
<b>Date Drilled</b>	<b>20 Feb 12</b>	<b>Drilling Method</b>	<b>Direct Push</b>		
<b>Drilling Co.</b>	<b>Buckeye Probe</b>	<b>Completion Depth</b>	<b>9.0 (ft bgs)</b>		
<b>Drill Foreman</b>	<b>Rick Tosatto</b>	<b>Location</b>	<b>Amert Lagoon Site</b>		
<b>Logged By</b>	<b>Michael Blair</b>	<b>Ground Elevation</b>	<b>N/A</b>		
<b>Drill Rig Type</b>	<b>Geoprobe</b>	<b>Top of Casing Elevation</b>	<b>N/A</b>		

Depth ft BGS	Sample Number/Time	Recovery (In.)	Well Log	USCS	Visual Description	FID/OVA HEATED HEADSPACE
	AL-B04-S01-022012			TS	TOPSOIL - Brown, grass, roots, moist.	0.5'
2	1005 hrs.	19		SW	SAND - Yellow brown fine-grained sand, loose, moist.  Note: Material saturated @ 2.0 ft.	N/A
4					Note: Material turns color to gray @ 5.0 ft.	N/A
6		41		GP	SAND/GRAVEL - Gray sand & gravel mixture, loose, saturated.	6.0'
8				SW	SAND - Gray fine to medium-grained sand, some gravel, loose, saturated.	7.0'
						8.0'
				SM	SAND - Gray fine-grained sand, some silt, loose, saturated.	9.0'
10					Boring terminated @ 9.0 ft.	
12						
14						
16						
18						

Well screen & sand pack  
Well riser/bentonite seal

Bentonite Seal  
Soil Vapor Screen Interval: ft. To ft.

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**APPENDIX A6**  
**ANALYTICAL DATA VALIDATION REPORTS**

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

**Date:** March 20, 2012

**Laboratory:** ALS Environmental (ALS), Holland, Michigan

**Laboratory Project #:** 1202641

**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 15 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.

## VOCs by SW-846 METHOD 8260

### 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/28/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/28/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/28/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/28/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/28/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/28/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	2/28/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/28/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/28/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/28/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/28/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/28/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/28/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/29/2012
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/29/2012
Trip Blank	1202641-31	Soil	2/20/2012	2/29/2012

### 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 were free of target compound contamination above the reporting limit.

In addition, the trip blank contained no detection of target analytes.

**4. Surrogate Results**

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

**5. Laboratory Control Sample (LCS) Results**

The LCS and LCS duplicate (LCSD) recoveries and relative percent differences (RPD) were within laboratory QC limits except for as follows. A couple of compounds were detected slightly above the QC limit. However, these compounds were not detected in the samples and no qualifications were required.

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

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

The VOC data are acceptable for use 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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-10	Soil	2/20/2012	2/29/2012
AL-B01-S02-022012	1202641-11	Soil	2/20/2012	2/29/2012
AL-B02-S01-022012	1202641-12	Soil	2/20/2012	2/29/2012
AL-B02-S02-022012	1202641-13	Soil	2/20/2012	3/2/2012
AL-B02-S01-022012-DP	1202641-14	Soil	2/20/2012	2/29/2012
AL-B03-S01-022012	1202641-15	Soil	2/20/2012	2/29/2012
AL-B04-S01-022012	1202641-16	Soil	2/20/2012	2/29/2012

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
GD-B01-S01-022012	1202641-17	Soil	2/20/2012	2/29/2012
GD-B03-S01-022012	1202641-18	Soil	2/20/2012	3/2/2012
GD-B04-S01-022012	1202641-25	Soil	2/20/2012	3/2/2012
GD-B06-S01-022012	1202641-26	Soil	2/20/2012	3/2/2012
GD-B09-S01-022112	1202641-27	Soil	2/21/2012	3/2/2012
GD-B10-S01-022112	1202641-28	Soil	2/21/2012	3/2/2012
GC-B03-S01-022112	1202641-29	Soil	2/21/2012	3/2/2012
GC-B04-S01-022112	1202641-30	Soil	2/21/2012	3/2/2012

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 and LCSD recoveries and RPDs were within laboratory QC limits.

6. **MS and MSD Results**

A site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

7. **Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

## 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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	3/1/2012	3/2/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/27/2012	2/28/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/27/2012	2/28/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/27/2012	2/29/2012
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/27/2012	2/28/2012

#### 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 SVOC analyses. The method blanks were free of target compound contamination above the reporting limits. There were a couple of compounds detected below the reporting limits in one method blank. However, the sample concentrations for these compounds were either non-detect or much greater than the blank concentration and no qualification was required.



**4. Surrogate Results**

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

**5. LCS Results**

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

For the LCS/LCSD pair associated with the analysis of sample AL-B04-S01-022012 only, 4-nitoranaline was detected low. In sample AL-B04-S01-022012, the quantitation limit for 4-nitroanalanine was flagged "UJ" as estimated.

**6. MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

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

## 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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-10	Soil	2/20/2012	2/27/2012	2/29/2012
AL-B01-S02-022012	1202641-11	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S01-022012	1202641-12	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S02-022012	1202641-13	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S01-022012-DP	1202641-14	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B03-S01-022012	1202641-15	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B04-S01-022012	1202641-16	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B01-S01-022012	1202641-17	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B03-S01-022012	1202641-18	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B04-S01-022012	1202641-25	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B06-S01-022012	1202641-26	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B09-S01-022112	1202641-27	Soil	2/21/2012	2/27/2012	2/28/2012
GD-B10-S01-022112	1202641-28	Soil	2/21/2012	2/27/2012	2/28/2012
GC-B03-S01-022112	1202641-29	Soil	2/21/2012	2/27/2012	2/28/2012
GC-B04-S01-022112	1202641-30	Soil	2/21/2012	2/27/2012	2/28/2012

### 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 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.

**5. LCS Results**

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

**6. MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/23/2012	2/26/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/23/2012	2/26/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/27/2012	2/28/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/27/2012	2/28/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/27/2012	2/28/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/27/2012	2/28/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/27/2012	2/28/2012

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/27/2012	2/28/2012

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 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

6. **MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

7. **Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

8. **Overall Assessment**

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

## PESTICIDES BY U.S. EPA SW-846 METHOD 8081

### 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/23/2012	2/29/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/23/2012	2/29/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/27/2012	3/1/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/27/2012	3/1/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/27/2012	3/1/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/27/2012	3/1/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	2/27/2012	3/1/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/27/2012	3/1/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/27/2012	3/1/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/27/2012	3/1/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/27/2012	3/1/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/27/2012	3/1/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/27/2012	3/1/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/27/2012	3/1/2012
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/27/2012	3/1/2012

### 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.

**5. LCS Results**

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

**6. MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits except for as follows. The following pesticides were detected below the QC limit in the MS/MSD: 4,4'-DDE; aldrin; beta-BHC; delta-BHC; dieldrin; heptachlor; and heptachlor epoxide. In sample AL-B02-S02-022012, the quantitation limits for these compounds were flagged "UJ" as estimated due to potential matrix interference.

**7. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-10	Soil	2/20/2012	2/28/2012	3/2/2012
AL-B01-S02-022012	1202641-11	Soil	2/20/2012	2/28/2012	3/2/2012
AL-B02-S01-022012	1202641-12	Soil	2/20/2012	2/28/2012	3/2/2012
AL-B02-S02-022012	1202641-13	Soil	2/20/2012	2/28/2012	3/2/2012
AL-B02-S01-022012-DP	1202641-14	Soil	2/20/2012	2/28/2012	3/2/2012
AL-B03-S01-022012	1202641-15	Soil	2/20/2012	2/28/2012	3/2/2012
AL-B04-S01-022012	1202641-16	Soil	2/20/2012	2/28/2012	3/2/2012
GD-B01-S01-022012	1202641-17	Soil	2/20/2012	2/28/2012	3/2/2012
GD-B03-S01-022012	1202641-18	Soil	2/20/2012	2/28/2012	3/2/2012
GD-B04-S01-022012	1202641-25	Soil	2/20/2012	2/28/2012	3/2/2012
GD-B06-S01-022012	1202641-26	Soil	2/20/2012	2/28/2012	3/2/2012
GD-B09-S01-022112	1202641-27	Soil	2/21/2012	2/28/2012	3/2/2012
GD-B10-S01-022112	1202641-28	Soil	2/21/2012	2/28/2012	3/2/2012
GC-B03-S01-022112	1202641-29	Soil	2/21/2012	2/28/2012	3/2/2012
GC-B04-S01-022112	1202641-30	Soil	2/21/2012	2/28/2012	3/2/2012

### 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

**6. MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

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

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

**1. Samples**

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/24/2012	2/25/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/24/2012	2/25/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/24/2012	2/25/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/24/2012	2/25/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/24/2012	2/25/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	2/24/2012	2/25/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/24/2012	2/25/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/24/2012	2/25/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/28/2012	2/29/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/28/2012	2/29/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/28/2012	2/29/2012
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/28/2012	2/29/2012



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 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

6. **MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

7. **Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-10	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B01-S02-022012	1202641-11	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B02-S01-022012	1202641-12	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B02-S02-022012	1202641-13	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B02-S01-022012-DP	1202641-14	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B03-S01-022012	1202641-15	Soil	2/20/2012	2/28/2012	2/29/2012
AL-B04-S01-022012	1202641-16	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B01-S01-022012	1202641-17	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B03-S01-022012	1202641-18	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B04-S01-022012	1202641-25	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B06-S01-022012	1202641-26	Soil	2/20/2012	2/28/2012	2/29/2012
GD-B09-S01-022112	1202641-27	Soil	2/21/2012	2/28/2012	2/29/2012
GD-B10-S01-022112	1202641-28	Soil	2/21/2012	2/28/2012	2/29/2012
GC-B03-S01-022112	1202641-29	Soil	2/21/2012	2/28/2012	2/29/2012
GC-B04-S01-022112	1202641-30	Soil	2/21/2012	2/28/2012	2/29/2012

### 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 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

**6. MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries and RPDs were with QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

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

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/27/2012 – 3/1/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	2/27/2012 – 3/1/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/28/2012 – 3/1/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/28/2012 – 3/1/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/28/2012 – 3/1/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/28/2012 – 2/29/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/28/2012 – 2/29/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/28/2012 – 3/1/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/28/2012 – 3/1/2012
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/28/2012 – 3/1/2012

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.

4. **LCS Results**

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

5. **MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries were with QC limits except for as follows.

Some of the metals could not be adequately recovered because the spike amount was much less (more than four times less) than the sample concentrations. No qualifications are required in these instances.

Some metals were detected below the QC limit for recovery and some were detected above the QC limit for recovery. For metals detected below the QC limit, detected results were qualified "J" as estimated and the quantitation limits for non-detected results were flagged "UJ" as estimated in the parent samples. For metals detected above the QC limit, only detected results were flagged "J" as estimated in the parent samples.

**6. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. The RPDs were calculated for detected metals. The RPDs ranged from 0 to 33 percent. These RPDs were below a standard QC limit of 50 percent indicating correlation between the field duplicate and parent sample was acceptable.

**7. Overall Assessment**

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

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-10	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B01-S02-022012	1202641-11	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B02-S01-022012	1202641-12	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B02-S02-022012	1202641-13	Soil	2/20/2012	2/27/2012 – 2/29/2012
AL-B02-S01-022012-DP	1202641-14	Soil	2/20/2012	2/27/2012 – 3/1/2012
AL-B03-S01-022012	1202641-15	Soil	2/20/2012	2/27/2012 – 3/1/2012
AL-B04-S01-022012	1202641-16	Soil	2/20/2012	2/27/2012 – 3/1/2012
GD-B01-S01-022012	1202641-17	Soil	2/20/2012	2/27/2012 – 2/29/2012
GD-B03-S01-022012	1202641-18	Soil	2/20/2012	2/27/2012 – 2/29/2012
GD-B04-S01-022012	1202641-25	Soil	2/20/2012	2/27/2012 – 2/29/2012
GD-B06-S01-022012	1202641-26	Soil	2/20/2012	2/27/2012 – 2/29/2012
GD-B09-S01-022112	1202641-27	Soil	2/21/2012	2/27/2012 – 2/29/2012
GD-B10-S01-022112	1202641-28	Soil	2/21/2012	2/27/2012 – 2/29/2012
GC-B03-S01-022112	1202641-29	Soil	2/21/2012	2/27/2012 – 3/1/2012
GC-B04-S01-022112	1202641-30	Soil	2/21/2012	2/27/2012 – 2/29/2012

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.

4. **LCS Results**

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

5. **MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The percent recoveries were with QC limits except for as follows.

Some of the metals could not be adequately recovered because the spike amount was much less (more than four times less) than the sample concentrations. No qualifications are required in these instances.

6. **Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. The RPDs were calculated for detected TCLP metals. The RPDs ranged from 25 to 131. In general, the RPDs were elevated for TCLP metals indicating some minor heterogeneity associated with this sample. No qualifications were required.

7. **Overall Assessment**

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

## HEXAVALENT CHROMIUM BY SW-846 METHOD 7196A

### 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-B01-S01-022012	1202641-01	Soil	2/20/2012	2/27/2012
AL-B01-S02-022012	1202641-02	Soil	2/20/2012	2/27/2012
AL-B02-S01-022012	1202641-03	Soil	2/20/2012	2/27/2012
AL-B02-S02-022012	1202641-04	Soil	2/20/2012	2/27/2012
AL-B02-S01-022012-DP	1202641-05	Soil	2/20/2012	2/27/2012
AL-B03-S01-022012	1202641-06	Soil	2/20/2012	2/27/2012
AL-B04-S01-022012	1202641-07	Soil	2/20/2012	2/27/2012
GD-B01-S01-022012	1202641-08	Soil	2/20/2012	2/27/2012
GD-B03-S01-022012	1202641-09	Soil	2/20/2012	2/27/2012
GD-B04-S01-022012	1202641-19	Soil	2/20/2012	2/27/2012
GD-B06-S01-022012	1202641-20	Soil	2/20/2012	2/27/2012
GD-B09-S01-022112	1202641-21	Soil	2/21/2012	2/27/2012
GD-B10-S01-022112	1202641-22	Soil	2/21/2012	2/27/2012
GC-B03-S01-022112	1202641-23	Soil	2/21/2012	2/27/2012
GC-B04-S01-022112	1202641-24	Soil	2/21/2012	2/27/2012

### 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 and RPDs were within QC limits for the LCS and LCSD analyzed.

Data Validation Report  
Eastern Sandusky County Dumps Site  
ALS Environmental  
Laboratory Project #: 1202641

**5. MS and MSD Results**

One site-specific MS and MSD were analyzed using sample AL-B02-S02-022012 as the spiked sample. The MS/MSD recoveries were low indicating matrix interference associated with hexavalent chromium analysis in this sample. The quantitation limit for hexavalent chromium in sample AL-B02-S02-022012 was flagged "UJ" as estimated.

**6. Field Duplicate Results**

There is one field duplicate associated with this work order: AL-B02-S01-022012-DP. Both the field duplicate and parent samples contained no detections of target analytes above the reporting limit.

**7. Overall Assessment**

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



Data Validation Report  
Eastern Sandusky County Dumps Site  
ALS Environmental  
Laboratory Project #: 1202641

**ATTACHMENT**

**ALS ENVIRONMENTAL  
RESULTS SUMMARY WITH QUALIFIERS**

**Client:** Weston Solutions, Inc  
**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps  
**WorkOrder:** 1202641

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg	Milligrams per Kilogram
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-01

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.013	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.026	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.013	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	83.8		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Aroclor 1221	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Aroclor 1232	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Aroclor 1242	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Aroclor 1248	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Aroclor 1254	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Aroclor 1260	ND		0.10	mg/Kg-dry	1	02/26/12 05:46 PM
Surr: Decachlorobiphenyl	75.1		40-140	%REC	1	02/26/12 05:46 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
4,4'-DDE	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
4,4'-DDT	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Aldrin	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
alpha-BHC	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
alpha-Chlordane	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
beta-BHC	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Chlordane, Technical	ND		0.63	mg/Kg-dry	10	02/29/12 02:42 AM
delta-BHC	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Dieldrin	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Endosulfan I	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Endosulfan II	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Endosulfan sulfate	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Endrin	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Endrin aldehyde	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Endrin ketone	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
gamma-BHC (Lindane)	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
gamma-Chlordane	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Heptachlor	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Heptachlor epoxide	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Methoxychlor	ND		0.25	mg/Kg-dry	10	02/29/12 02:42 AM
Toxaphene	ND		1.5	mg/Kg-dry	10	02/29/12 02:42 AM
Surr: Decachlorobiphenyl	80.1		45-135	%REC	10	02/29/12 02:42 AM
Surr: Tetrachloro-m-xylene	80.1		45-124	%REC	10	02/29/12 02:42 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-01

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	0.18		0.043	mg/Kg-dry	1	02/27/12 03:17 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>RH</b>
Aluminum	11,000		4.8	mg/Kg-dry	2	02/28/12 07:51 PM
Antimony	13		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Arsenic	53		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Barium	6,900		24	mg/Kg-dry	20	02/29/12 04:26 PM
Beryllium	1.4		0.96	mg/Kg-dry	2	02/28/12 07:51 PM
Boron	8,300		96	mg/Kg-dry	20	02/29/12 04:26 PM
Cadmium	5.7		0.96	mg/Kg-dry	2	02/28/12 07:51 PM
Calcium	27,000		240	mg/Kg-dry	2	02/28/12 07:51 PM
Chromium	300		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Cobalt	1,000		24	mg/Kg-dry	20	02/29/12 04:26 PM
Copper	160		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Iron	61,000		38	mg/Kg-dry	2	02/28/12 07:51 PM
Lead	610		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Magnesium	16,000		96	mg/Kg-dry	2	02/28/12 07:51 PM
Manganese	1,800		24	mg/Kg-dry	20	02/29/12 04:26 PM
Nickel	1,700		24	mg/Kg-dry	20	02/29/12 04:26 PM
Potassium	8,100		96	mg/Kg-dry	2	02/28/12 07:51 PM
Selenium	ND		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Silver	ND		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Sodium	16,000		96	mg/Kg-dry	2	02/28/12 07:51 PM
Thallium	ND		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Vanadium	3.2		2.4	mg/Kg-dry	2	02/28/12 07:51 PM
Zinc	3,700		48	mg/Kg-dry	20	02/29/12 04:26 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
2,4,5-Trichlorophenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
2,4,6-Trichlorophenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
2,4-Dichlorophenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
2,4-Dimethylphenol	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
2,4-Dinitrophenol	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
2,4-Dinitrotoluene	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
2,6-Dinitrotoluene	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
2-Chloronaphthalene	ND		4.1	mg/Kg-dry	10	02/28/12 01:19 PM
2-Chlorophenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
2-Methylnaphthalene	ND		4.1	mg/Kg-dry	10	02/28/12 01:19 PM
2-Methylphenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-01

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
2-Nitrophenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
3,3'-Dichlorobenzidine	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
3-Nitroaniline	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
4,6-Dinitro-2-methylphenol	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
4-Bromophenyl phenyl ether	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
4-Chloro-3-methylphenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
4-Chloroaniline	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
4-Chlorophenyl phenyl ether	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
4-Methylphenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
4-Nitroaniline	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
4-Nitrophenol	ND		34	mg/Kg-dry	10	02/28/12 01:19 PM
Acenaphthene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Acenaphthylene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Acetophenone	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
<b>Anthracene</b>	<b>2.2</b>		<b>1.5</b>	<b>mg/Kg-dry</b>	10	02/28/12 01:19 PM
Atrazine	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Benzaldehyde	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Benzo(a)anthracene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Benzo(a)pyrene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Benzo(b)fluoranthene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Benzo(g,h,i)perylene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Benzo(k)fluoranthene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Bis(2-chloroethoxy)methane	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Bis(2-chloroethyl)ether	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Bis(2-chloroisopropyl)ether	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Bis(2-ethylhexyl)phthalate	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Butyl benzyl phthalate	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Caprolactam	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Carbazole	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Chrysene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Dibenzo(a,h)anthracene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Dibenzofuran	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Diethyl phthalate	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Dimethyl phthalate	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Di-n-butyl phthalate	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Di-n-octyl phthalate	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Fluoranthene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Fluorene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Hexachlorobenzene	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-01

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Hexachlorocyclopentadiene	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
Hexachloroethane	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Indeno(1,2,3-cd)pyrene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Isophorone	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Naphthalene	ND		1.5	mg/Kg-dry	10	02/28/12 01:19 PM
Nitrobenzene	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
N-Nitrosodi-n-propylamine	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
N-Nitrosodiphenylamine	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
Pentachlorophenol	ND		17	mg/Kg-dry	10	02/28/12 01:19 PM
<b>Phenanthrene</b>	<b>3.5</b>		<b>1.5</b>	<b>mg/Kg-dry</b>	10	02/28/12 01:19 PM
Phenol	ND		8.2	mg/Kg-dry	10	02/28/12 01:19 PM
<b>Pyrene</b>	<b>2.2</b>		<b>1.5</b>	<b>mg/Kg-dry</b>	10	02/28/12 01:19 PM
Surr: 2,4,6-Tribromophenol	128		34-140	%REC	10	02/28/12 01:19 PM
Surr: 2-Fluorobiphenyl	83.6		12-100	%REC	10	02/28/12 01:19 PM
Surr: 2-Fluorophenol	71.6		33-117	%REC	10	02/28/12 01:19 PM
Surr: 4-Terphenyl-d14	136		25-137	%REC	10	02/28/12 01:19 PM
Surr: Nitrobenzene-d5	69.2		37-107	%REC	10	02/28/12 01:19 PM
Surr: Phenol-d6	76.8		40-106	%REC	10	02/28/12 01:19 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			<b>Analyst: RS</b>
1,1,1-Trichloroethane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,1,2,2-Tetrachloroethane	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
1,1,2-Trichloroethane	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
1,1,2-Trichlorotrifluoroethane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,1-Dichloroethane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,1-Dichloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,2,4-Trichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dibromo-3-chloropropane	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dibromoethane	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dichloroethane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dichloropropane	ND		0.45	mg/Kg-dry	50	02/28/12 06:20 PM
1,3-Dichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
1,4-Dichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
2-Butanone	ND		0.97	mg/Kg-dry	50	02/28/12 06:20 PM
2-Hexanone	ND		0.64	mg/Kg-dry	50	02/28/12 06:20 PM
4-Methyl-2-pentanone	ND		0.64	mg/Kg-dry	50	02/28/12 06:20 PM
Acetone	ND		0.58	mg/Kg-dry	50	02/28/12 06:20 PM
Benzene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Bromodichloromethane	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-01

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Bromomethane	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
Carbon disulfide	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
Carbon tetrachloride	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Chlorobenzene	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
Chloroethane	ND		0.39	mg/Kg-dry	50	02/28/12 06:20 PM
Chloroform	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Chloromethane	ND		0.39	mg/Kg-dry	50	02/28/12 06:20 PM
cis-1,2-Dichloroethene	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
cis-1,3-Dichloropropene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Cyclohexane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Dibromochloromethane	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
Dichlorodifluoromethane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Ethylbenzene	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
Isopropylbenzene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Methyl acetate	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Methyl tert-butyl ether	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
Methylcyclohexane	ND		2.6	mg/Kg-dry	50	02/28/12 06:20 PM
Methylene chloride	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
Styrene	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
Tetrachloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Toluene	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
trans-1,2-Dichloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
trans-1,3-Dichloropropene	ND		0.19	mg/Kg-dry	50	02/28/12 06:20 PM
<b>Trichloroethene</b>	<b>0.36</b>		<b>0.13</b>	<b>mg/Kg-dry</b>	50	02/28/12 06:20 PM
Trichlorofluoromethane	ND		0.13	mg/Kg-dry	50	02/28/12 06:20 PM
Vinyl chloride	ND		0.26	mg/Kg-dry	50	02/28/12 06:20 PM
Xylenes, Total	ND		0.39	mg/Kg-dry	50	02/28/12 06:20 PM
Surr: 1,2-Dichloroethane-d4	96.9		70-120	%REC	50	02/28/12 06:20 PM
Surr: 4-Bromofluorobenzene	105		75-120	%REC	50	02/28/12 06:20 PM
Surr: Dibromofluoromethane	94.3		85-115	%REC	50	02/28/12 06:20 PM
Surr: Toluene-d8	102		85-115	%REC	50	02/28/12 06:20 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	<b>61</b>		<b>0.050</b>	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-02

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0055	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.011	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.0055	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	79.0		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Aroclor 1221	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Aroclor 1232	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Aroclor 1242	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Aroclor 1248	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Aroclor 1254	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Aroclor 1260	ND		0.043	mg/Kg-dry	1	02/26/12 06:06 PM
Surr: Decachlorobiphenyl	80.1		40-140	%REC	1	02/26/12 06:06 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
4,4'-DDE	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
4,4'-DDT	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Aldrin	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
alpha-BHC	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
alpha-Chlordane	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
beta-BHC	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Chlordane, Technical	ND		0.027	mg/Kg-dry	1	02/29/12 02:57 AM
delta-BHC	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Dieldrin	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Endosulfan I	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Endosulfan II	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Endosulfan sulfate	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Endrin	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Endrin aldehyde	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Endrin ketone	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
gamma-BHC (Lindane)	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
gamma-Chlordane	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Heptachlor	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Heptachlor epoxide	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Methoxychlor	ND		0.011	mg/Kg-dry	1	02/29/12 02:57 AM
Toxaphene	ND		0.064	mg/Kg-dry	1	02/29/12 02:57 AM
Surr: Decachlorobiphenyl	75.1		45-135	%REC	1	02/29/12 02:57 AM
Surr: Tetrachloro-m-xylene	90.1		45-124	%REC	1	02/29/12 02:57 AM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-02

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.022	mg/Kg-dry	1	02/27/12 03:19 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
<b>Aluminum</b>	<b>6,800</b>		<b>1.5</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
Antimony	ND		0.74	mg/Kg-dry	2	02/28/12 11:46 PM
<b>Arsenic</b>	<b>2.8</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Barium</b>	<b>26</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
Beryllium	ND		2.9	mg/Kg-dry	20	02/29/12 04:32 PM
<b>Boron</b>	<b>210</b>		<b>29</b>	<b>mg/Kg-dry</b>	20	02/29/12 04:32 PM
Cadmium	ND		0.29	mg/Kg-dry	2	02/28/12 11:46 PM
<b>Calcium</b>	<b>910</b>		<b>74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Chromium</b>	<b>6.9</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Cobalt</b>	<b>4.7</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Copper</b>	<b>3.5</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Iron</b>	<b>9,300</b>		<b>12</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Lead</b>	<b>4.5</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Magnesium</b>	<b>1,100</b>		<b>29</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Manganese</b>	<b>180</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Nickel</b>	<b>8.3</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Potassium</b>	<b>640</b>		<b>29</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
Selenium	ND		0.74	mg/Kg-dry	2	02/28/12 11:46 PM
Silver	ND		0.74	mg/Kg-dry	2	02/28/12 11:46 PM
<b>Sodium</b>	<b>450</b>		<b>29</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
Thallium	ND		0.74	mg/Kg-dry	2	02/28/12 11:46 PM
<b>Vanadium</b>	<b>16</b>		<b>0.74</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>Zinc</b>	<b>24</b>		<b>1.5</b>	<b>mg/Kg-dry</b>	2	02/28/12 11:46 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
2,4,5-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
2,4,6-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
2,4-Dichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
2,4-Dinitrophenol	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
2,4-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
2,6-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
2-Chloronaphthalene	ND		0.090	mg/Kg-dry	1	02/28/12 06:18 PM
2-Chlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
2-Methylnaphthalene	ND		0.090	mg/Kg-dry	1	02/28/12 06:18 PM
2-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-02

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
2-Nitrophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
3,3'-Dichlorobenzidine	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
3-Nitroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
4,6-Dinitro-2-methylphenol	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
4-Bromophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
4-Chloro-3-methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
4-Chloroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
4-Chlorophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
4-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
4-Nitroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
4-Nitrophenol	ND		0.74	mg/Kg-dry	1	02/28/12 06:18 PM
Acenaphthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Acenaphthylene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Atrazine	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Benzaldehyde	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Benzo(a)anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Benzo(a)pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Benzo(b)fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Benzo(g,h,i)perylene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Benzo(k)fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Bis(2-chloroethoxy)methane	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Bis(2-chloroethyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Bis(2-chloroisopropyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.1</b>		<b>0.37</b>	<b>mg/Kg-dry</b>	1	02/28/12 06:18 PM
Butyl benzyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Caprolactam	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Carbazole	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Chrysene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Dibenzo(a,h)anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Dibenzofuran	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
<b>Di-n-butyl phthalate</b>	<b>0.84</b>		<b>0.37</b>	<b>mg/Kg-dry</b>	1	02/28/12 06:18 PM
Di-n-octyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Fluorene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Hexachlorobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-02

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Hexachloroethane	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Indeno(1,2,3-cd)pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Isophorone	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Naphthalene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Nitrobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
N-Nitrosodi-n-propylamine	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
N-Nitrosodiphenylamine	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Pentachlorophenol	ND		0.37	mg/Kg-dry	1	02/28/12 06:18 PM
Phenanthrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Phenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:18 PM
Pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:18 PM
Surr: 2,4,6-Tribromophenol	94.6		34-140	%REC	1	02/28/12 06:18 PM
Surr: 2-Fluorobiphenyl	78.0		12-100	%REC	1	02/28/12 06:18 PM
Surr: 2-Fluorophenol	89.5		33-117	%REC	1	02/28/12 06:18 PM
Surr: 4-Terphenyl-d14	86.0		25-137	%REC	1	02/28/12 06:18 PM
Surr: Nitrobenzene-d5	75.3		37-107	%REC	1	02/28/12 06:18 PM
Surr: Phenol-d6	84.4		40-106	%REC	1	02/28/12 06:18 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,1,2,2-Tetrachloroethane	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
1,1,2-Trichloroethane	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
1,1,2-Trichlorotrifluoroethane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,1-Dichloroethane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,1-Dichloroethene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,2,4-Trichlorobenzene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,2-Dibromo-3-chloropropane	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
1,2-Dibromoethane	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
1,2-Dichlorobenzene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,2-Dichloroethane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,2-Dichloropropane	ND		0.20	mg/Kg-dry	50	02/28/12 06:45 PM
1,3-Dichlorobenzene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
1,4-Dichlorobenzene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
2-Butanone	ND		0.43	mg/Kg-dry	50	02/28/12 06:45 PM
2-Hexanone	ND		0.29	mg/Kg-dry	50	02/28/12 06:45 PM
4-Methyl-2-pentanone	ND		0.29	mg/Kg-dry	50	02/28/12 06:45 PM
Acetone	ND		0.26	mg/Kg-dry	50	02/28/12 06:45 PM
Benzene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Bromodichloromethane	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-02

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Bromomethane	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
Carbon disulfide	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
Carbon tetrachloride	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Chlorobenzene	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
Chloroethane	ND		0.17	mg/Kg-dry	50	02/28/12 06:45 PM
Chloroform	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Chloromethane	ND		0.17	mg/Kg-dry	50	02/28/12 06:45 PM
cis-1,2-Dichloroethene	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
cis-1,3-Dichloropropene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Cyclohexane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Dibromochloromethane	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
Dichlorodifluoromethane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Ethylbenzene	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
Isopropylbenzene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Methyl acetate	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Methyl tert-butyl ether	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
Methylcyclohexane	ND		1.1	mg/Kg-dry	50	02/28/12 06:45 PM
Methylene chloride	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
Styrene	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
Tetrachloroethene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Toluene	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
trans-1,2-Dichloroethene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
trans-1,3-Dichloropropene	ND		0.086	mg/Kg-dry	50	02/28/12 06:45 PM
Trichloroethene	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Trichlorofluoromethane	ND		0.057	mg/Kg-dry	50	02/28/12 06:45 PM
Vinyl chloride	ND		0.11	mg/Kg-dry	50	02/28/12 06:45 PM
Xylenes, Total	ND		0.17	mg/Kg-dry	50	02/28/12 06:45 PM
Surr: 1,2-Dichloroethane-d4	98.7		70-120	%REC	50	02/28/12 06:45 PM
Surr: 4-Bromofluorobenzene	104		75-120	%REC	50	02/28/12 06:45 PM
Surr: Dibromofluoromethane	94.5		85-115	%REC	50	02/28/12 06:45 PM
Surr: Toluene-d8	101		85-115	%REC	50	02/28/12 06:45 PM

**CHROMIUM, HEXAVALENT**

Chromium, Hexavalent      ND      0.57      mg/Kg-dry      1      Prep Date: 02/24/12      Analyst: MB      02/27/12 04:00 PM

**MOISTURE**

Moisture      12      A2540 G      0.050      % of sample      1      Analyst: CG      02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-03

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.013	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.026	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.013	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	85.0		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Aroclor 1221	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Aroclor 1232	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Aroclor 1242	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Aroclor 1248	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Aroclor 1254	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Aroclor 1260	ND		0.11	mg/Kg-dry	1	02/28/12 04:29 PM
Surr: Decachlorobiphenyl	94.1		40-140	%REC	1	02/28/12 04:29 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
4,4'-DDE	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
4,4'-DDT	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Aldrin	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
alpha-BHC	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
alpha-Chlordane	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
beta-BHC	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Chlordane, Technical	ND		0.33	mg/Kg-dry	5	03/01/12 06:32 PM
delta-BHC	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Dieldrin	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Endosulfan I	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Endosulfan II	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Endosulfan sulfate	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Endrin	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Endrin aldehyde	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Endrin ketone	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
gamma-BHC (Lindane)	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
gamma-Chlordane	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Heptachlor	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Heptachlor epoxide	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Methoxychlor	ND		0.13	mg/Kg-dry	5	03/01/12 06:32 PM
Toxaphene	ND		0.80	mg/Kg-dry	5	03/01/12 06:32 PM
Surr: Decachlorobiphenyl	60.1		45-135	%REC	5	03/01/12 06:32 PM
Surr: Tetrachloro-m-xylene	75.1		45-124	%REC	5	03/01/12 06:32 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-03

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	0.16		0.047	mg/Kg-dry	1	02/27/12 03:26 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	13,000		3.6	mg/Kg-dry	2	02/28/12 11:52 PM
Antimony	17		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Arsenic	59		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Barium	6,400		18	mg/Kg-dry	20	02/29/12 04:38 PM
Beryllium	1.1		0.71	mg/Kg-dry	2	02/28/12 11:52 PM
Boron	2,300		71	mg/Kg-dry	20	02/29/12 04:38 PM
Cadmium	6.7		0.71	mg/Kg-dry	2	02/28/12 11:52 PM
Calcium	42,000		180	mg/Kg-dry	2	02/28/12 11:52 PM
Chromium	580		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Cobalt	900		18	mg/Kg-dry	20	02/29/12 04:38 PM
Copper	170		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Iron	85,000		290	mg/Kg-dry	20	02/29/12 04:38 PM
Lead	780		18	mg/Kg-dry	20	02/29/12 04:38 PM
Magnesium	17,000		71	mg/Kg-dry	2	02/28/12 11:52 PM
Manganese	1,500		18	mg/Kg-dry	20	02/29/12 04:38 PM
Nickel	2,800		18	mg/Kg-dry	20	02/29/12 04:38 PM
Potassium	4,800		71	mg/Kg-dry	2	02/28/12 11:52 PM
Selenium	ND		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Silver	ND		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Sodium	2,500		71	mg/Kg-dry	2	02/28/12 11:52 PM
Thallium	ND		1.8	mg/Kg-dry	2	02/28/12 11:52 PM
Vanadium	ND		18	mg/Kg-dry	20	02/29/12 04:38 PM
Zinc	5,400		36	mg/Kg-dry	20	02/29/12 04:38 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
2,4,5-Trichlorophenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
2,4,6-Trichlorophenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
2,4-Dichlorophenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
2,4-Dimethylphenol	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
2,4-Dinitrophenol	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
2,4-Dinitrotoluene	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
2,6-Dinitrotoluene	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
2-Chloronaphthalene	ND		4.3	mg/Kg-dry	10	02/28/12 01:52 PM
2-Chlorophenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
2-Methylnaphthalene	ND		4.3	mg/Kg-dry	10	02/28/12 01:52 PM
2-Methylphenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-03

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
2-Nitrophenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
3,3'-Dichlorobenzidine	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
3-Nitroaniline	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
4,6-Dinitro-2-methylphenol	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
4-Bromophenyl phenyl ether	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
4-Chloro-3-methylphenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
4-Chloroaniline	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
4-Chlorophenyl phenyl ether	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
4-Methylphenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
4-Nitroaniline	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
4-Nitrophenol	ND		36	mg/Kg-dry	10	02/28/12 01:52 PM
Acenaphthene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Acenaphthylene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Acetophenone	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Anthracene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Atrazine	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Benzaldehyde	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Benzo(a)anthracene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Benzo(a)pyrene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Benzo(b)fluoranthene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Benzo(g,h,i)perylene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Benzo(k)fluoranthene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Bis(2-chloroethoxy)methane	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Bis(2-chloroethyl)ether	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Bis(2-chloroisopropyl)ether	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Bis(2-ethylhexyl)phthalate	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Butyl benzyl phthalate	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Caprolactam	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Carbazole	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Chrysene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Dibenzo(a,h)anthracene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Dibenzofuran	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Diethyl phthalate	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Dimethyl phthalate	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Di-n-butyl phthalate	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Di-n-octyl phthalate	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Fluoranthene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Fluorene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Hexachlorobenzene	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-03

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Hexachlorocyclopentadiene	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Hexachloroethane	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Indeno(1,2,3-cd)pyrene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Isophorone	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Naphthalene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Nitrobenzene	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
N-Nitrosodi-n-propylamine	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
N-Nitrosodiphenylamine	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Pentachlorophenol	ND		18	mg/Kg-dry	10	02/28/12 01:52 PM
Phenanthrene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Phenol	ND		8.6	mg/Kg-dry	10	02/28/12 01:52 PM
Pyrene	ND		1.6	mg/Kg-dry	10	02/28/12 01:52 PM
Surr: 2,4,6-Tribromophenol	118		34-140	%REC	10	02/28/12 01:52 PM
Surr: 2-Fluorobiphenyl	80.0		12-100	%REC	10	02/28/12 01:52 PM
Surr: 2-Fluorophenol	62.8		33-117	%REC	10	02/28/12 01:52 PM
Surr: 4-Terphenyl-d14	107		25-137	%REC	10	02/28/12 01:52 PM
Surr: Nitrobenzene-d5	73.6		37-107	%REC	10	02/28/12 01:52 PM
Surr: Phenol-d6	54.8		40-106	%REC	10	02/28/12 01:52 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,1,2,2-Tetrachloroethane	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
1,1,2-Trichloroethane	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
1,1,2-Trichlorotrifluoroethane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,1-Dichloroethane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,1-Dichloroethene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,2,4-Trichlorobenzene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,2-Dibromo-3-chloropropane	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
1,2-Dibromoethane	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
1,2-Dichlorobenzene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,2-Dichloroethane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,2-Dichloropropane	ND		0.48	mg/Kg-dry	50	02/28/12 07:10 PM
1,3-Dichlorobenzene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
1,4-Dichlorobenzene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
2-Butanone	ND		1.0	mg/Kg-dry	50	02/28/12 07:10 PM
2-Hexanone	ND		0.68	mg/Kg-dry	50	02/28/12 07:10 PM
4-Methyl-2-pentanone	ND		0.68	mg/Kg-dry	50	02/28/12 07:10 PM
Acetone	ND		0.62	mg/Kg-dry	50	02/28/12 07:10 PM
Benzene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Bromodichloromethane	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-03

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Bromomethane	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
Carbon disulfide	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
Carbon tetrachloride	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Chlorobenzene	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
Chloroethane	ND		0.41	mg/Kg-dry	50	02/28/12 07:10 PM
Chloroform	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Chloromethane	ND		0.41	mg/Kg-dry	50	02/28/12 07:10 PM
cis-1,2-Dichloroethene	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
cis-1,3-Dichloropropene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Cyclohexane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Dibromochloromethane	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
Dichlorodifluoromethane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Ethylbenzene	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
Isopropylbenzene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Methyl acetate	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Methyl tert-butyl ether	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
Methylcyclohexane	ND		2.7	mg/Kg-dry	50	02/28/12 07:10 PM
Methylene chloride	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
Styrene	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
Tetrachloroethene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Toluene	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
trans-1,2-Dichloroethene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
trans-1,3-Dichloropropene	ND		0.21	mg/Kg-dry	50	02/28/12 07:10 PM
Trichloroethene	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Trichlorofluoromethane	ND		0.14	mg/Kg-dry	50	02/28/12 07:10 PM
Vinyl chloride	ND		0.27	mg/Kg-dry	50	02/28/12 07:10 PM
Xylenes, Total	ND		0.41	mg/Kg-dry	50	02/28/12 07:10 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.8		70-120	%REC	50	02/28/12 07:10 PM
<i>Surr: 4-Bromofluorobenzene</i>	102		75-120	%REC	50	02/28/12 07:10 PM
<i>Surr: Dibromofluoromethane</i>	92.6		85-115	%REC	50	02/28/12 07:10 PM
<i>Surr: Toluene-d8</i>	100		85-115	%REC	50	02/28/12 07:10 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		6.8	mg/Kg-dry	5	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	63		0.050	% of sample	1	02/23/12 04:08 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc  
**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps  
**Sample ID:** AL-B02-S02-022012  
**Collection Date:** 02/20/12 12:25 PM

**Work Order:** 1202641  
**Lab ID:** 1202641-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: 02/28/12	Analyst: JD
2,4,5-T	ND		0.0058	mg/Kg-dry	1	02/29/12 07:35 PM
2,4,5-TP (Silvex)	ND		0.012	mg/Kg-dry	1	02/29/12 07:35 PM
2,4-D	ND		0.0058	mg/Kg-dry	1	02/29/12 07:35 PM
Surr: DCAA	98.6		30-150	%REC	1	02/29/12 07:35 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: 02/27/12	Analyst: JD
Aroclor 1016	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Aroclor 1221	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Aroclor 1232	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Aroclor 1242	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Aroclor 1248	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Aroclor 1254	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Aroclor 1260	ND		0.045	mg/Kg-dry	1	02/28/12 04:49 PM
Surr: Decachlorobiphenyl	81.1		40-140	%REC	1	02/28/12 04:49 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: 02/27/12	Analyst: JD
4,4'-DDD	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
4,4'-DDE	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
4,4'-DDT	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Aldrin	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
alpha-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
alpha-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
beta-BHC	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Chlordane, Technical	ND		0.028	mg/Kg-dry	1	03/01/12 06:47 PM
delta-BHC	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Dieldrin	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Endosulfan I	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Endosulfan II	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Endosulfan sulfate	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Endrin	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Endrin aldehyde	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Endrin ketone	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
gamma-BHC (Lindane)	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
gamma-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Heptachlor	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Heptachlor epoxide	ND	UJ	0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Methoxychlor	ND		0.011	mg/Kg-dry	1	03/01/12 06:47 PM
Toxaphene	ND		0.068	mg/Kg-dry	1	03/01/12 06:47 PM
Surr: Decachlorobiphenyl	66.1		45-135	%REC	1	03/01/12 06:47 PM
Surr: Tetrachloro-m-xylene	70.1		45-124	%REC	1	03/01/12 06:47 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc  
**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps  
**Sample ID:** AL-B02-S02-022012  
**Collection Date:** 02/20/12 12:25 PM

**Work Order:** 1202641  
**Lab ID:** 1202641-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.021	mg/Kg-dry	1	02/27/12 03:29 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	7,600		1.6	mg/Kg-dry	2	02/29/12 03:23 AM
Antimony	ND	UJ	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Arsenic	5.8	J	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Barium	42		0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Beryllium	0.32		0.32	mg/Kg-dry	2	02/29/12 03:23 AM
Boron	26	J	3.2	mg/Kg-dry	2	02/29/12 03:23 AM
Cadmium	ND		0.32	mg/Kg-dry	2	02/29/12 03:23 AM
Calcium	850	J	79	mg/Kg-dry	2	02/29/12 03:23 AM
Chromium	10	J	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Cobalt	5.4		0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Copper	6.4	J	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Iron	15,000		13	mg/Kg-dry	2	02/29/12 03:23 AM
Lead	8.0	J	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Magnesium	1,700	J	32	mg/Kg-dry	2	02/29/12 03:23 AM
Manganese	280		0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Nickel	16	J	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Potassium	800	J	32	mg/Kg-dry	2	02/29/12 03:23 AM
Selenium	ND	UJ	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Silver	ND		0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Sodium	84		32	mg/Kg-dry	2	02/29/12 03:23 AM
Thallium	ND		0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Vanadium	21	J	0.79	mg/Kg-dry	2	02/29/12 03:23 AM
Zinc	25	J	1.6	mg/Kg-dry	2	02/29/12 03:23 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
2,4-Dinitrophenol	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
2-Chloronaphthalene	ND		0.094	mg/Kg-dry	1	02/28/12 07:25 PM
2-Chlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
2-Methylnaphthalene	ND		0.094	mg/Kg-dry	1	02/28/12 07:25 PM
2-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM

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

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3/20/12 AR Page 17 of 109

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S02-022012

**Lab ID:** 1202641-04

**Collection Date:** 02/20/12 12:25 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
3,3'-Dichlorobenzidine	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
3-Nitroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
4,6-Dinitro-2-methylphenol	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
4-Chloroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
4-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
4-Nitroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
4-Nitrophenol	ND		0.77	mg/Kg-dry	1	02/28/12 07:25 PM
Acenaphthene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Acenaphthylene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Anthracene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Atrazine	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Benzaldehyde	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Benzo(a)anthracene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Benzo(a)pyrene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Benzo(b)fluoranthene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Benzo(g,h,i)perylene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Benzo(k)fluoranthene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Bis(2-chloroethyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Bis(2-chloroisopropyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Caprolactam	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Carbazole	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Chrysene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Dibenzo(a,h)anthracene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Fluoranthene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Fluorene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S02-022012

**Lab ID:** 1202641-04

**Collection Date:** 02/20/12 12:25 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Hexachloroethane	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Indeno(1,2,3-cd)pyrene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Isophorone	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Naphthalene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
N-Nitrosodi-n-propylamine	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Pentachlorophenol	ND		0.39	mg/Kg-dry	1	02/28/12 07:25 PM
Phenanthrene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Phenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:25 PM
Pyrene	ND		0.035	mg/Kg-dry	1	02/28/12 07:25 PM
Surr: 2,4,6-Tribromophenol	80.4		34-140	%REC	1	02/28/12 07:25 PM
Surr: 2-Fluorobiphenyl	76.5		12-100	%REC	1	02/28/12 07:25 PM
Surr: 2-Fluorophenol	89.2		33-117	%REC	1	02/28/12 07:25 PM
Surr: 4-Terphenyl-d14	96.2		25-137	%REC	1	02/28/12 07:25 PM
Surr: Nitrobenzene-d5	86.1		37-107	%REC	1	02/28/12 07:25 PM
Surr: Phenol-d6	89.6		40-106	%REC	1	02/28/12 07:25 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
1,1,2-Trichlorotrifluoroethane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,1-Dichloroethane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,1-Dichloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,2,4-Trichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
1,2-Dibromoethane	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
1,2-Dichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,2-Dichloroethane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,2-Dichloropropane	ND		0.21	mg/Kg-dry	50	02/28/12 07:35 PM
1,3-Dichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
1,4-Dichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
2-Butanone	ND		0.44	mg/Kg-dry	50	02/28/12 07:35 PM
2-Hexanone	ND		0.29	mg/Kg-dry	50	02/28/12 07:35 PM
4-Methyl-2-pentanone	ND		0.29	mg/Kg-dry	50	02/28/12 07:35 PM
Acetone	ND		0.27	mg/Kg-dry	50	02/28/12 07:35 PM
Benzene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Bromodichloromethane	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc  
**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps  
**Sample ID:** AL-B02-S02-022012  
**Collection Date:** 02/20/12 12:25 PM

**Work Order:** 1202641  
**Lab ID:** 1202641-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Bromomethane	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
Carbon disulfide	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
Carbon tetrachloride	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Chlorobenzene	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
Chloroethane	ND		0.18	mg/Kg-dry	50	02/28/12 07:35 PM
Chloroform	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Chloromethane	ND		0.18	mg/Kg-dry	50	02/28/12 07:35 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
cis-1,3-Dichloropropene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Cyclohexane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
Dichlorodifluoromethane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
Isopropylbenzene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Methyl acetate	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Methyl tert-butyl ether	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 07:35 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
Styrene	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
Tetrachloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Toluene	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
trans-1,2-Dichloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
trans-1,3-Dichloropropene	ND		0.088	mg/Kg-dry	50	02/28/12 07:35 PM
Trichloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Trichlorofluoromethane	ND		0.059	mg/Kg-dry	50	02/28/12 07:35 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 07:35 PM
Xylenes, Total	ND		0.18	mg/Kg-dry	50	02/28/12 07:35 PM
Surr: 1,2-Dichloroethane-d4	86.5		70-120	%REC	50	02/28/12 07:35 PM
Surr: 4-Bromofluorobenzene	101		75-120	%REC	50	02/28/12 07:35 PM
Surr: Dibromofluoromethane	87.4		85-115	%REC	50	02/28/12 07:35 PM
Surr: Toluene-d8	100		85-115	%REC	50	02/28/12 07:35 PM

**CHROMIUM, HEXAVALENT**

Chromium, Hexavalent ND *UT* **SW7196A** mg/Kg-dry 1 Prep Date: 02/24/12 Analyst: MB 02/27/12 04:00 PM

**MOISTURE**

Moisture 15 **A2540 G** % of sample 1 Analyst: CG 02/23/12 04:08 PM

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

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 3/20/2012

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-05

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.013	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.025	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.013	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	82.8		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Aroclor 1221	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Aroclor 1232	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Aroclor 1242	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Aroclor 1248	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Aroclor 1254	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Aroclor 1260	ND		0.10	mg/Kg-dry	1	02/28/12 05:48 PM
Surr: Decachlorobiphenyl	83.1		40-140	%REC	1	02/28/12 05:48 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
4,4'-DDE	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
4,4'-DDT	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Aldrin	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
alpha-BHC	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
alpha-Chlordane	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
beta-BHC	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Chlordane, Technical	ND		0.31	mg/Kg-dry	5	03/01/12 07:32 PM
delta-BHC	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Dieldrin	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Endosulfan I	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Endosulfan II	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Endosulfan sulfate	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Endrin	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Endrin aldehyde	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Endrin ketone	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
gamma-BHC (Lindane)	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
gamma-Chlordane	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Heptachlor	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Heptachlor epoxide	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Methoxychlor	ND		0.13	mg/Kg-dry	5	03/01/12 07:32 PM
Toxaphene	ND		0.75	mg/Kg-dry	5	03/01/12 07:32 PM
Surr: Decachlorobiphenyl	75.1		45-135	%REC	5	03/01/12 07:32 PM
Surr: Tetrachloro-m-xylene	70.1		45-124	%REC	5	03/01/12 07:32 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-05

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	0.14		0.047	mg/Kg-dry	1	02/27/12 03:39 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	11,000		3.7	mg/Kg-dry	2	02/28/12 11:58 PM
Antimony	17		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Arsenic	61		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Barium	4,600		19	mg/Kg-dry	20	02/29/12 04:43 PM
Beryllium	1.0		0.75	mg/Kg-dry	2	02/28/12 11:58 PM
Boron	2,300		75	mg/Kg-dry	20	02/29/12 04:43 PM
Cadmium	7.0		0.75	mg/Kg-dry	2	02/28/12 11:58 PM
Calcium	33,000		190	mg/Kg-dry	2	02/28/12 11:58 PM
Chromium	700		19	mg/Kg-dry	20	02/29/12 04:43 PM
Cobalt	670		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Copper	160		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Iron	75,000		300	mg/Kg-dry	20	02/29/12 04:43 PM
Lead	720		19	mg/Kg-dry	20	02/29/12 04:43 PM
Magnesium	16,000		75	mg/Kg-dry	2	02/28/12 11:58 PM
Manganese	1,500		19	mg/Kg-dry	20	02/29/12 04:43 PM
Nickel	2,100		19	mg/Kg-dry	20	02/29/12 04:43 PM
Potassium	4,700		75	mg/Kg-dry	2	02/28/12 11:58 PM
Selenium	ND		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Silver	ND		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Sodium	2,400		75	mg/Kg-dry	2	02/28/12 11:58 PM
Thallium	ND		1.9	mg/Kg-dry	2	02/28/12 11:58 PM
Vanadium	ND		19	mg/Kg-dry	20	02/29/12 04:43 PM
Zinc	5,100		37	mg/Kg-dry	20	02/29/12 04:43 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
2,4,5-Trichlorophenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
2,4,6-Trichlorophenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
2,4-Dichlorophenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
2,4-Dimethylphenol	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
2,4-Dinitrophenol	ND		1.7	mg/Kg-dry	1	02/28/12 09:34 PM
2,4-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
2,6-Dinitrotoluene	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
2-Chloronaphthalene	ND		0.21	mg/Kg-dry	1	02/28/12 09:34 PM
2-Chlorophenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
2-Methylnaphthalene	ND		0.21	mg/Kg-dry	1	02/28/12 09:34 PM
2-Methylphenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-05

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		1.7	mg/Kg-dry	1	02/28/12 09:34 PM
2-Nitrophenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
3,3'-Dichlorobenzidine	ND		34	mg/Kg-dry	20	02/29/12 08:09 PM
3-Nitroaniline	ND		1.7	mg/Kg-dry	1	02/28/12 09:34 PM
4,6-Dinitro-2-methylphenol	ND		17	mg/Kg-dry	20	02/29/12 08:09 PM
4-Bromophenyl phenyl ether	ND		8.2	mg/Kg-dry	20	02/29/12 08:09 PM
4-Chloro-3-methylphenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
4-Chloroaniline	ND		1.7	mg/Kg-dry	1	02/28/12 09:34 PM
4-Chlorophenyl phenyl ether	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
4-Methylphenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
4-Nitroaniline	ND		1.7	mg/Kg-dry	1	02/28/12 09:34 PM
4-Nitrophenol	ND		1.7	mg/Kg-dry	1	02/28/12 09:34 PM
Acenaphthene	ND		0.077	mg/Kg-dry	1	02/28/12 09:34 PM
Acenaphthylene	ND		0.077	mg/Kg-dry	1	02/28/12 09:34 PM
Acetophenone	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Anthracene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Atrazine	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Benzaldehyde	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Benzo(a)anthracene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Benzo(a)pyrene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Benzo(b)fluoranthene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Benzo(g,h,i)perylene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Benzo(k)fluoranthene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Bis(2-chloroethoxy)methane	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Bis(2-chloroethyl)ether	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Bis(2-chloroisopropyl)ether	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Bis(2-ethylhexyl)phthalate	ND		17	mg/Kg-dry	20	02/29/12 08:09 PM
Butyl benzyl phthalate	ND		8.2	mg/Kg-dry	20	02/29/12 08:09 PM
Caprolactam	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Carbazole	ND		8.2	mg/Kg-dry	20	02/29/12 08:09 PM
Chrysene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Dibenzo(a,h)anthracene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Dibenzofuran	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Diethyl phthalate	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Dimethyl phthalate	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Di-n-butyl phthalate	ND		17	mg/Kg-dry	20	02/29/12 08:09 PM
Di-n-octyl phthalate	ND		8.2	mg/Kg-dry	20	02/29/12 08:09 PM
Fluoranthene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Fluorene	ND		0.077	mg/Kg-dry	1	02/28/12 09:34 PM
Hexachlorobenzene	ND		8.2	mg/Kg-dry	20	02/29/12 08:09 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-05

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Hexachlorocyclopentadiene	ND		0.85	mg/Kg-dry	1	02/28/12 09:34 PM
Hexachloroethane	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Indeno(1,2,3-cd)pyrene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Isophorone	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Naphthalene	ND		0.077	mg/Kg-dry	1	02/28/12 09:34 PM
Nitrobenzene	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
N-Nitrosodi-n-propylamine	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
N-Nitrosodiphenylamine	ND		8.2	mg/Kg-dry	20	02/29/12 08:09 PM
Pentachlorophenol	ND		17	mg/Kg-dry	20	02/29/12 08:09 PM
Phenanthrene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Phenol	ND		0.41	mg/Kg-dry	1	02/28/12 09:34 PM
Pyrene	ND		1.5	mg/Kg-dry	20	02/29/12 08:09 PM
Surr: 2,4,6-Tribromophenol	129		34-140	%REC	20	02/29/12 08:09 PM
Surr: 2-Fluorobiphenyl	72.3		12-100	%REC	1	02/28/12 09:34 PM
Surr: 2-Fluorophenol	77.5		33-117	%REC	1	02/28/12 09:34 PM
Surr: 4-Terphenyl-d14	125		25-137	%REC	20	02/29/12 08:09 PM
Surr: Nitrobenzene-d5	79.0		37-107	%REC	1	02/28/12 09:34 PM
Surr: Phenol-d6	78.5		40-106	%REC	1	02/28/12 09:34 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,1,2,2-Tetrachloroethane	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
1,1,2-Trichloroethane	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
1,1,2-Trichlorotrifluoroethane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,1-Dichloroethane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,1-Dichloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,2,4-Trichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,2-Dibromo-3-chloropropane	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
1,2-Dibromoethane	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
1,2-Dichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,2-Dichloroethane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,2-Dichloropropane	ND		0.45	mg/Kg-dry	50	02/28/12 08:00 PM
1,3-Dichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
1,4-Dichlorobenzene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
2-Butanone	ND		0.97	mg/Kg-dry	50	02/28/12 08:00 PM
2-Hexanone	ND		0.65	mg/Kg-dry	50	02/28/12 08:00 PM
4-Methyl-2-pentanone	ND		0.65	mg/Kg-dry	50	02/28/12 08:00 PM
Acetone	ND		0.58	mg/Kg-dry	50	02/28/12 08:00 PM
Benzene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Bromodichloromethane	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-05

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Bromomethane	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
Carbon disulfide	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
Carbon tetrachloride	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Chlorobenzene	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
Chloroethane	ND		0.39	mg/Kg-dry	50	02/28/12 08:00 PM
Chloroform	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Chloromethane	ND		0.39	mg/Kg-dry	50	02/28/12 08:00 PM
cis-1,2-Dichloroethene	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
cis-1,3-Dichloropropene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Cyclohexane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Dibromochloromethane	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
Dichlorodifluoromethane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Ethylbenzene	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
Isopropylbenzene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Methyl acetate	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Methyl tert-butyl ether	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
Methylcyclohexane	ND		2.6	mg/Kg-dry	50	02/28/12 08:00 PM
Methylene chloride	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
Styrene	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
Tetrachloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Toluene	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
trans-1,2-Dichloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
trans-1,3-Dichloropropene	ND		0.19	mg/Kg-dry	50	02/28/12 08:00 PM
Trichloroethene	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Trichlorofluoromethane	ND		0.13	mg/Kg-dry	50	02/28/12 08:00 PM
Vinyl chloride	ND		0.26	mg/Kg-dry	50	02/28/12 08:00 PM
Xylenes, Total	ND		0.39	mg/Kg-dry	50	02/28/12 08:00 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	89.9		70-120	%REC	50	02/28/12 08:00 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.0		75-120	%REC	50	02/28/12 08:00 PM
<i>Surr: Dibromofluoromethane</i>	89.9		85-115	%REC	50	02/28/12 08:00 PM
<i>Surr: Toluene-d8</i>	98.0		85-115	%REC	50	02/28/12 08:00 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		6.4	mg/Kg-dry	5	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	61		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-06

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0056	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.011	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.0056	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	77.4		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Aroclor 1221	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Aroclor 1232	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Aroclor 1242	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Aroclor 1248	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Aroclor 1254	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Aroclor 1260	ND		0.046	mg/Kg-dry	1	02/28/12 06:08 PM
Surr: Decachlorobiphenyl	74.1		40-140	%REC	1	02/28/12 06:08 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
4,4'-DDE	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
4,4'-DDT	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Aldrin	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
alpha-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
alpha-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
beta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Chlordane, Technical	ND		0.029	mg/Kg-dry	1	03/01/12 07:46 PM
delta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Dieldrin	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Endosulfan I	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Endosulfan II	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Endosulfan sulfate	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Endrin	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Endrin aldehyde	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Endrin ketone	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
gamma-BHC (Lindane)	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
gamma-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Heptachlor	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Heptachlor epoxide	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Methoxychlor	ND		0.011	mg/Kg-dry	1	03/01/12 07:46 PM
Toxaphene	ND		0.069	mg/Kg-dry	1	03/01/12 07:46 PM
Surr: Decachlorobiphenyl	59.1		45-135	%REC	1	03/01/12 07:46 PM
Surr: Tetrachloro-m-xylene	63.1		45-124	%REC	1	03/01/12 07:46 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-06

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.019	mg/Kg-dry	1	02/27/12 03:52 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	5,600		17	mg/Kg-dry	20	03/01/12 05:57 AM
Antimony	ND		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Arsenic	8.2		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Barium	45		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Beryllium	ND		3.4	mg/Kg-dry	20	02/29/12 04:49 PM
Boron	ND		34	mg/Kg-dry	20	02/29/12 04:49 PM
Cadmium	ND		0.34	mg/Kg-dry	2	02/29/12 12:53 AM
Calcium	1,300		84	mg/Kg-dry	2	02/29/12 12:53 AM
Chromium	12		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Cobalt	8.2		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Copper	13		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Iron	18,000		13	mg/Kg-dry	2	02/29/12 12:53 AM
Lead	9.8		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Magnesium	2,200		340	mg/Kg-dry	20	02/29/12 04:49 PM
Manganese	860		8.4	mg/Kg-dry	20	02/29/12 04:49 PM
Nickel	22		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Potassium	860		34	mg/Kg-dry	2	02/29/12 12:53 AM
Selenium	1.2		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Silver	ND		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Sodium	ND		340	mg/Kg-dry	20	02/29/12 04:49 PM
Thallium	ND		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Vanadium	21		0.84	mg/Kg-dry	2	02/29/12 12:53 AM
Zinc	56		1.7	mg/Kg-dry	2	02/29/12 12:53 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
2,4,5-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
2,4,6-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
2,4-Dichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
2,4-Dinitrophenol	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
2,4-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
2,6-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
2-Chloronaphthalene	ND		0.090	mg/Kg-dry	1	02/28/12 06:45 PM
2-Chlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
2-Methylnaphthalene	ND		0.090	mg/Kg-dry	1	02/28/12 06:45 PM
2-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-06

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
2-Nitrophenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
3,3'-Dichlorobenzidine	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
3-Nitroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
4,6-Dinitro-2-methylphenol	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
4-Bromophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
4-Chloro-3-methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
4-Chloroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
4-Chlorophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
4-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
4-Nitroaniline	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
4-Nitrophenol	ND		0.74	mg/Kg-dry	1	02/28/12 06:45 PM
Acenaphthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Acenaphthylene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Atrazine	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Benzaldehyde	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Benzo(a)anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Benzo(a)pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Benzo(b)fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Benzo(g,h,i)perylene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Benzo(k)fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Bis(2-chloroethoxy)methane	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Bis(2-chloroethyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Bis(2-chloroisopropyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Butyl benzyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Caprolactam	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Carbazole	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Chrysene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Dibenzo(a,h)anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Dibenzofuran	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
<b>Di-n-butyl phthalate</b>	<b>1.9</b>		<b>0.37</b>	<b>mg/Kg-dry</b>	1	02/28/12 06:45 PM
Di-n-octyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Fluorene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Hexachlorobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-06

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Hexachloroethane	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Indeno(1,2,3-cd)pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Isophorone	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Naphthalene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Nitrobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
N-Nitrosodi-n-propylamine	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
N-Nitrosodiphenylamine	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Pentachlorophenol	ND		0.37	mg/Kg-dry	1	02/28/12 06:45 PM
Phenanthrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Phenol	ND		0.18	mg/Kg-dry	1	02/28/12 06:45 PM
Pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 06:45 PM
Surr: 2,4,6-Tribromophenol	90.7		34-140	%REC	1	02/28/12 06:45 PM
Surr: 2-Fluorobiphenyl	80.5		12-100	%REC	1	02/28/12 06:45 PM
Surr: 2-Fluorophenol	88.8		33-117	%REC	1	02/28/12 06:45 PM
Surr: 4-Terphenyl-d14	88.9		25-137	%REC	1	02/28/12 06:45 PM
Surr: Nitrobenzene-d5	77.9		37-107	%REC	1	02/28/12 06:45 PM
Surr: Phenol-d6	84.2		40-106	%REC	1	02/28/12 06:45 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
1,1,2-Trichlorotrifluoroethane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,1-Dichloroethane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,1-Dichloroethene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,2,4-Trichlorobenzene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
1,2-Dibromoethane	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
1,2-Dichlorobenzene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,2-Dichloroethane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,2-Dichloropropane	ND		0.20	mg/Kg-dry	50	02/28/12 08:25 PM
1,3-Dichlorobenzene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
1,4-Dichlorobenzene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
2-Butanone	ND		0.43	mg/Kg-dry	50	02/28/12 08:25 PM
2-Hexanone	ND		0.29	mg/Kg-dry	50	02/28/12 08:25 PM
4-Methyl-2-pentanone	ND		0.29	mg/Kg-dry	50	02/28/12 08:25 PM
Acetone	ND		0.26	mg/Kg-dry	50	02/28/12 08:25 PM
Benzene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Bromodichloromethane	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-06

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Bromomethane	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
Carbon disulfide	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
Carbon tetrachloride	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Chlorobenzene	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
Chloroethane	ND		0.17	mg/Kg-dry	50	02/28/12 08:25 PM
Chloroform	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Chloromethane	ND		0.17	mg/Kg-dry	50	02/28/12 08:25 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
cis-1,3-Dichloropropene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Cyclohexane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
Dichlorodifluoromethane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
Isopropylbenzene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Methyl acetate	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Methyl tert-butyl ether	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 08:25 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
Styrene	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
Tetrachloroethene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Toluene	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
trans-1,2-Dichloroethene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
trans-1,3-Dichloropropene	ND		0.087	mg/Kg-dry	50	02/28/12 08:25 PM
Trichloroethene	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Trichlorofluoromethane	ND		0.058	mg/Kg-dry	50	02/28/12 08:25 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 08:25 PM
Xylenes, Total	ND		0.17	mg/Kg-dry	50	02/28/12 08:25 PM
Surr: 1,2-Dichloroethane-d4	89.5		70-120	%REC	50	02/28/12 08:25 PM
Surr: 4-Bromofluorobenzene	98.6		75-120	%REC	50	02/28/12 08:25 PM
Surr: Dibromofluoromethane	89.2		85-115	%REC	50	02/28/12 08:25 PM
Surr: Toluene-d8	95.9		85-115	%REC	50	02/28/12 08:25 PM

**CHROMIUM, HEXAVALENT**

Chromium, Hexavalent      ND      0.56      mg/Kg-dry      1      Prep Date: 02/24/12      Analyst: MB      02/27/12 04:00 PM

**MOISTURE**

Moisture      13      A2540 G      0.050      % of sample      1      Analyst: CG      02/23/12 04:08 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-07

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0058	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.012	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.0058	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	71.2		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Aroclor 1221	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Aroclor 1232	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Aroclor 1242	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Aroclor 1248	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Aroclor 1254	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Aroclor 1260	ND		0.046	mg/Kg-dry	1	02/28/12 06:28 PM
Surr: Decachlorobiphenyl	68.1		40-140	%REC	1	02/28/12 06:28 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
4,4'-DDE	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
4,4'-DDT	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Aldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
alpha-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
alpha-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
beta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Chlordane, Technical	ND		0.029	mg/Kg-dry	1	03/01/12 08:01 PM
delta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Dieldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Endosulfan I	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Endosulfan II	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Endosulfan sulfate	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Endrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Endrin aldehyde	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Endrin ketone	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
gamma-BHC (Lindane)	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
gamma-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Heptachlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Heptachlor epoxide	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Methoxychlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:01 PM
Toxaphene	ND		0.070	mg/Kg-dry	1	03/01/12 08:01 PM
Surr: Decachlorobiphenyl	61.1		45-135	%REC	1	03/01/12 08:01 PM
Surr: Tetrachloro-m-xylene	76.1		45-124	%REC	1	03/01/12 08:01 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-07

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	0.023		0.020	mg/Kg-dry	1	02/27/12 04:06 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>CES</b>
Aluminum	6,100		15	mg/Kg-dry	20	03/01/12 12:06 PM
Antimony	ND		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Arsenic	2.0		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Barium	25		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Beryllium	ND		0.30	mg/Kg-dry	2	02/29/12 12:59 AM
Boron	10		3.0	mg/Kg-dry	2	02/29/12 04:55 PM
Cadmium	ND		0.30	mg/Kg-dry	2	02/29/12 12:59 AM
Calcium	1,500		76	mg/Kg-dry	2	02/29/12 12:59 AM
Chromium	7.5		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Cobalt	2.3		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Copper	1.3		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Iron	8,400		12	mg/Kg-dry	2	02/29/12 12:59 AM
Lead	3.1		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Magnesium	1,100		30	mg/Kg-dry	2	02/29/12 04:55 PM
Manganese	250		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Nickel	5.1		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Potassium	410		30	mg/Kg-dry	2	02/29/12 12:59 AM
Selenium	ND		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Silver	ND		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Sodium	70		30	mg/Kg-dry	2	02/29/12 04:55 PM
Thallium	ND		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Vanadium	13		0.76	mg/Kg-dry	2	02/29/12 12:59 AM
Zinc	15		1.5	mg/Kg-dry	2	02/29/12 12:59 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>03/01/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
2,4-Dinitrophenol	ND		0.78	mg/Kg-dry	1	03/02/12 04:42 AM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
2-Chloronaphthalene	ND		0.095	mg/Kg-dry	1	03/02/12 04:42 AM
2-Chlorophenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
2-Methylnaphthalene	ND		0.095	mg/Kg-dry	1	03/02/12 04:42 AM
2-Methylphenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-07

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.78	mg/Kg-dry	1	03/02/12 04:42 AM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	03/02/12 04:42 AM
3-Nitroaniline	ND		0.78	mg/Kg-dry	1	03/02/12 04:42 AM
4,6-Dinitro-2-methylphenol	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	03/02/12 04:42 AM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
4-Methylphenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
4-Nitroaniline	ND	UJ	0.78	mg/Kg-dry	1	03/02/12 04:42 AM
4-Nitrophenol	ND		0.78	mg/Kg-dry	1	03/02/12 04:42 AM
Acenaphthene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Acenaphthylene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Acetophenone	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Anthracene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Atrazine	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Benzaldehyde	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Benzo(a)anthracene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Benzo(a)pyrene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Benzo(b)fluoranthene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Benzo(g,h,i)perylene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Benzo(k)fluoranthene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Bis(2-chloroethyl)ether	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Bis(2-chloroisopropyl)ether	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Caprolactam	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Carbazole	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Chrysene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Dibenzo(a,h)anthracene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Fluoranthene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Fluorene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM

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

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3/20/12

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-07

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Hexachloroethane	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Indeno(1,2,3-cd)pyrene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Isophorone	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Naphthalene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
N-Nitrosodi-n-propylamine	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Pentachlorophenol	ND		0.39	mg/Kg-dry	1	03/02/12 04:42 AM
Phenanthrene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Phenol	ND		0.19	mg/Kg-dry	1	03/02/12 04:42 AM
Pyrene	ND		0.036	mg/Kg-dry	1	03/02/12 04:42 AM
Surr: 2,4,6-Tribromophenol	57.6		34-140	%REC	1	03/02/12 04:42 AM
Surr: 2-Fluorobiphenyl	61.0		12-100	%REC	1	03/02/12 04:42 AM
Surr: 2-Fluorophenol	56.2		33-117	%REC	1	03/02/12 04:42 AM
Surr: 4-Terphenyl-d14	59.4		25-137	%REC	1	03/02/12 04:42 AM
Surr: Nitrobenzene-d5	79.9		37-107	%REC	1	03/02/12 04:42 AM
Surr: Phenol-d6	51.2		40-106	%REC	1	03/02/12 04:42 AM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
1,1,2-Trichlorotrifluoroethane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,1-Dichloroethane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,1-Dichloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,2,4-Trichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
1,2-Dibromoethane	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
1,2-Dichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,2-Dichloroethane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,2-Dichloropropane	ND		0.21	mg/Kg-dry	50	02/28/12 08:50 PM
1,3-Dichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
1,4-Dichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
2-Butanone	ND		0.45	mg/Kg-dry	50	02/28/12 08:50 PM
2-Hexanone	ND		0.30	mg/Kg-dry	50	02/28/12 08:50 PM
4-Methyl-2-pentanone	ND		0.30	mg/Kg-dry	50	02/28/12 08:50 PM
Acetone	ND		0.27	mg/Kg-dry	50	02/28/12 08:50 PM
Benzene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Bromodichloromethane	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-07

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Bromomethane	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
Carbon disulfide	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
Carbon tetrachloride	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Chlorobenzene	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
Chloroethane	ND		0.18	mg/Kg-dry	50	02/28/12 08:50 PM
Chloroform	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Chloromethane	ND		0.18	mg/Kg-dry	50	02/28/12 08:50 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
cis-1,3-Dichloropropene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Cyclohexane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
Dichlorodifluoromethane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
Isopropylbenzene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Methyl acetate	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Methyl tert-butyl ether	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 08:50 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
Styrene	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
Tetrachloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Toluene	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
trans-1,2-Dichloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
trans-1,3-Dichloropropene	ND		0.090	mg/Kg-dry	50	02/28/12 08:50 PM
Trichloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Trichlorofluoromethane	ND		0.060	mg/Kg-dry	50	02/28/12 08:50 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 08:50 PM
Xylenes, Total	ND		0.18	mg/Kg-dry	50	02/28/12 08:50 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	101		70-120	%REC	50	02/28/12 08:50 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.9		75-120	%REC	50	02/28/12 08:50 PM
<i>Surr: Dibromofluoromethane</i>	89.9		85-115	%REC	50	02/28/12 08:50 PM
<i>Surr: Toluene-d8</i>	92.2		85-115	%REC	50	02/28/12 08:50 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	17		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-08

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0058	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.012	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.0058	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	65.2		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Aroclor 1221	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Aroclor 1232	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Aroclor 1242	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Aroclor 1248	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Aroclor 1254	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Aroclor 1260	ND		0.047	mg/Kg-dry	1	02/28/12 06:48 PM
Surr: Decachlorobiphenyl	75.1		40-140	%REC	1	02/28/12 06:48 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
4,4'-DDE	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
4,4'-DDT	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Aldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
alpha-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
alpha-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
beta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Chlordane, Technical	ND		0.029	mg/Kg-dry	1	03/01/12 08:16 PM
delta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Dieldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Endosulfan I	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Endosulfan II	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Endosulfan sulfate	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Endrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Endrin aldehyde	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Endrin ketone	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
gamma-BHC (Lindane)	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
gamma-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Heptachlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Heptachlor epoxide	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Methoxychlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:16 PM
Toxaphene	ND		0.070	mg/Kg-dry	1	03/01/12 08:16 PM
Surr: Decachlorobiphenyl	65.1		45-135	%REC	1	03/01/12 08:16 PM
Surr: Tetrachloro-m-xylene	72.1		45-124	%REC	1	03/01/12 08:16 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-08

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CES</b>
Mercury	ND		0.019	mg/Kg-dry	1	02/28/12 04:07 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>CES</b>
Aluminum	3,400		17	mg/Kg-dry	20	03/01/12 12:12 PM
Antimony	ND		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Arsenic	1.8		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Barium	9.4		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Beryllium	ND		0.34	mg/Kg-dry	2	02/29/12 01:05 AM
Boron	4.6		3.4	mg/Kg-dry	2	02/29/12 05:01 PM
Cadmium	ND		0.34	mg/Kg-dry	2	02/29/12 01:05 AM
Calcium	25,000		85	mg/Kg-dry	2	02/29/12 01:05 AM
Chromium	4.6		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Cobalt	4.0		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Copper	5.9		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Iron	6,100		14	mg/Kg-dry	2	02/29/12 01:05 AM
Lead	3.9		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Magnesium	3,800		34	mg/Kg-dry	2	02/29/12 05:01 PM
Manganese	110		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Nickel	9.4		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Potassium	620		34	mg/Kg-dry	2	02/29/12 01:05 AM
Selenium	1.0		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Silver	ND		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Sodium	99		34	mg/Kg-dry	2	02/29/12 05:01 PM
Thallium	ND		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Vanadium	9.5		0.85	mg/Kg-dry	2	02/29/12 01:05 AM
Zinc	19		1.7	mg/Kg-dry	2	02/29/12 01:05 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
2,4-Dinitrophenol	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
2-Chloronaphthalene	ND		0.095	mg/Kg-dry	1	02/28/12 07:39 PM
2-Chlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
2-Methylnaphthalene	ND		0.095	mg/Kg-dry	1	02/28/12 07:39 PM
2-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-08

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
3,3'-Dichlorobenzidine	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
3-Nitroaniline	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
4,6-Dinitro-2-methylphenol	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
4-Chloroaniline	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
4-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
4-Nitroaniline	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
4-Nitrophenol	ND		0.78	mg/Kg-dry	1	02/28/12 07:39 PM
Acenaphthene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Acenaphthylene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Atrazine	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Benzaldehyde	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Benzo(a)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Benzo(a)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Benzo(b)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Benzo(g,h,i)perylene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Benzo(k)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Bis(2-chloroethyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Bis(2-chloroisopropyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Caprolactam	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Carbazole	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Chrysene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Dibenzo(a,h)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Fluorene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-08

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Hexachloroethane	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Indeno(1,2,3-cd)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Isophorone	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Naphthalene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
N-Nitrosodi-n-propylamine	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Pentachlorophenol	ND		0.39	mg/Kg-dry	1	02/28/12 07:39 PM
Phenanthrene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Phenol	ND		0.19	mg/Kg-dry	1	02/28/12 07:39 PM
Pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 07:39 PM
Surr: 2,4,6-Tribromophenol	84.0		34-140	%REC	1	02/28/12 07:39 PM
Surr: 2-Fluorobiphenyl	69.1		12-100	%REC	1	02/28/12 07:39 PM
Surr: 2-Fluorophenol	72.9		33-117	%REC	1	02/28/12 07:39 PM
Surr: 4-Terphenyl-d14	83.0		25-137	%REC	1	02/28/12 07:39 PM
Surr: Nitrobenzene-d5	63.4		37-107	%REC	1	02/28/12 07:39 PM
Surr: Phenol-d6	70.7		40-106	%REC	1	02/28/12 07:39 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
1,1,2-Trichlorotrifluoroethane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,1-Dichloroethane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,1-Dichloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,2,4-Trichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
1,2-Dibromoethane	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
1,2-Dichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,2-Dichloroethane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,2-Dichloropropane	ND		0.21	mg/Kg-dry	50	02/28/12 05:30 PM
1,3-Dichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
1,4-Dichlorobenzene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
2-Butanone	ND		0.45	mg/Kg-dry	50	02/28/12 05:30 PM
2-Hexanone	ND		0.30	mg/Kg-dry	50	02/28/12 05:30 PM
4-Methyl-2-pentanone	ND		0.30	mg/Kg-dry	50	02/28/12 05:30 PM
Acetone	ND		0.27	mg/Kg-dry	50	02/28/12 05:30 PM
Benzene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Bromodichloromethane	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-08

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Bromomethane	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
Carbon disulfide	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
Carbon tetrachloride	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Chlorobenzene	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
Chloroethane	ND		0.18	mg/Kg-dry	50	02/28/12 05:30 PM
Chloroform	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Chloromethane	ND		0.18	mg/Kg-dry	50	02/28/12 05:30 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
cis-1,3-Dichloropropene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Cyclohexane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
Dichlorodifluoromethane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
Isopropylbenzene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Methyl acetate	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Methyl tert-butyl ether	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 05:30 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
Styrene	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
Tetrachloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Toluene	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
trans-1,2-Dichloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
trans-1,3-Dichloropropene	ND		0.090	mg/Kg-dry	50	02/28/12 05:30 PM
Trichloroethene	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Trichlorofluoromethane	ND		0.060	mg/Kg-dry	50	02/28/12 05:30 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 05:30 PM
Xylenes, Total	ND		0.18	mg/Kg-dry	50	02/28/12 05:30 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	50	02/28/12 05:30 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.0		75-120	%REC	50	02/28/12 05:30 PM
<i>Surr: Dibromofluoromethane</i>	94.9		85-115	%REC	50	02/28/12 05:30 PM
<i>Surr: Toluene-d8</i>	102		85-115	%REC	50	02/28/12 05:30 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.58	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	16		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-09

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0060	mg/Kg-dry	1	02/25/12 03:09 AM
2,4,5-TP (Silvex)	ND		0.012	mg/Kg-dry	1	02/25/12 03:09 AM
2,4-D	ND		0.0060	mg/Kg-dry	1	02/25/12 03:09 AM
Surr: DCAA	74.2		30-150	%REC	1	02/25/12 03:09 AM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Aroclor 1221	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Aroclor 1232	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Aroclor 1242	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Aroclor 1248	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Aroclor 1254	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Aroclor 1260	ND		0.049	mg/Kg-dry	1	02/28/12 07:08 PM
Surr: Decachlorobiphenyl	74.1		40-140	%REC	1	02/28/12 07:08 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
4,4'-DDE	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
4,4'-DDT	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Aldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
alpha-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
alpha-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
beta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Chlordane, Technical	ND		0.031	mg/Kg-dry	1	03/01/12 08:31 PM
delta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Dieldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Endosulfan I	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Endosulfan II	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Endosulfan sulfate	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Endrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Endrin aldehyde	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Endrin ketone	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
gamma-BHC (Lindane)	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
gamma-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Heptachlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Heptachlor epoxide	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Methoxychlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:31 PM
Toxaphene	ND		0.074	mg/Kg-dry	1	03/01/12 08:31 PM
Surr: Decachlorobiphenyl	66.1		45-135	%REC	1	03/01/12 08:31 PM
Surr: Tetrachloro-m-xylene	72.1		45-124	%REC	1	03/01/12 08:31 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-09

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CES</b>
Mercury	0.038		0.019	mg/Kg-dry	1	02/28/12 04:10 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	17,000		17	mg/Kg-dry	20	03/01/12 06:03 AM
Antimony	ND		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Arsenic	5.9		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Barium	88		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Beryllium	ND		3.4	mg/Kg-dry	20	02/29/12 05:20 PM
Boron	ND		34	mg/Kg-dry	20	02/29/12 05:20 PM
Cadmium	0.37		0.34	mg/Kg-dry	2	02/29/12 01:11 AM
Calcium	3,800		84	mg/Kg-dry	2	02/29/12 01:11 AM
Chromium	20		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Cobalt	8.1		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Copper	19		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Iron	22,000		13	mg/Kg-dry	2	02/29/12 01:11 AM
Lead	16		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Magnesium	3,400		340	mg/Kg-dry	20	02/29/12 05:20 PM
Manganese	310		8.4	mg/Kg-dry	20	02/29/12 05:20 PM
Nickel	21		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Potassium	2,500		34	mg/Kg-dry	2	02/29/12 01:11 AM
Selenium	1.6		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Silver	ND		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Sodium	ND		340	mg/Kg-dry	20	02/29/12 05:20 PM
Thallium	ND		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Vanadium	33		0.84	mg/Kg-dry	2	02/29/12 01:11 AM
Zinc	57		1.7	mg/Kg-dry	2	02/29/12 01:11 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
2,4-Dinitrophenol	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
2-Chloronaphthalene	ND		0.097	mg/Kg-dry	1	02/28/12 08:06 PM
2-Chlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
2-Methylnaphthalene	ND		0.097	mg/Kg-dry	1	02/28/12 08:06 PM
2-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-09

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
3,3'-Dichlorobenzidine	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
3-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
4,6-Dinitro-2-methylphenol	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
4-Chloroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
4-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
4-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
4-Nitrophenol	ND		0.80	mg/Kg-dry	1	02/28/12 08:06 PM
Acenaphthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Acenaphthylene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Atrazine	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Benzaldehyde	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Benzo(a)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Benzo(a)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Benzo(b)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Benzo(g,h,i)perylene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Benzo(k)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Bis(2-chloroethyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Bis(2-chloroisopropyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Caprolactam	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Carbazole	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Chrysene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Dibenzo(a,h)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Fluorene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-09

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Hexachloroethane	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Indeno(1,2,3-cd)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Isophorone	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Naphthalene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
N-Nitrosodi-n-propylamine	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Pentachlorophenol	ND		0.40	mg/Kg-dry	1	02/28/12 08:06 PM
Phenanthrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Phenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:06 PM
Pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:06 PM
Surr: 2,4,6-Tribromophenol	88.0		34-140	%REC	1	02/28/12 08:06 PM
Surr: 2-Fluorobiphenyl	64.5		12-100	%REC	1	02/28/12 08:06 PM
Surr: 2-Fluorophenol	69.1		33-117	%REC	1	02/28/12 08:06 PM
Surr: 4-Terphenyl-d14	87.0		25-137	%REC	1	02/28/12 08:06 PM
Surr: Nitrobenzene-d5	59.8		37-107	%REC	1	02/28/12 08:06 PM
Surr: Phenol-d6	69.0		40-106	%REC	1	02/28/12 08:06 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
1,1,2-Trichlorotrifluoroethane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,1-Dichloroethane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,1-Dichloroethene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,2,4-Trichlorobenzene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
1,2-Dibromoethane	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
1,2-Dichlorobenzene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,2-Dichloroethane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,2-Dichloropropane	ND		0.22	mg/Kg-dry	50	02/28/12 05:55 PM
1,3-Dichlorobenzene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
1,4-Dichlorobenzene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
2-Butanone	ND		0.47	mg/Kg-dry	50	02/28/12 05:55 PM
2-Hexanone	ND		0.31	mg/Kg-dry	50	02/28/12 05:55 PM
4-Methyl-2-pentanone	ND		0.31	mg/Kg-dry	50	02/28/12 05:55 PM
Acetone	ND		0.28	mg/Kg-dry	50	02/28/12 05:55 PM
Benzene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Bromodichloromethane	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-09

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Bromomethane	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
Carbon disulfide	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
Carbon tetrachloride	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Chlorobenzene	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
Chloroethane	ND		0.19	mg/Kg-dry	50	02/28/12 05:55 PM
Chloroform	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Chloromethane	ND		0.19	mg/Kg-dry	50	02/28/12 05:55 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
cis-1,3-Dichloropropene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Cyclohexane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
Dichlorodifluoromethane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
Isopropylbenzene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Methyl acetate	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Methyl tert-butyl ether	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 05:55 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
Styrene	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
Tetrachloroethene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Toluene	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
trans-1,2-Dichloroethene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
trans-1,3-Dichloropropene	ND		0.093	mg/Kg-dry	50	02/28/12 05:55 PM
Trichloroethene	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Trichlorofluoromethane	ND		0.062	mg/Kg-dry	50	02/28/12 05:55 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 05:55 PM
Xylenes, Total	ND		0.19	mg/Kg-dry	50	02/28/12 05:55 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	50	02/28/12 05:55 PM
<i>Surr: 4-Bromofluorobenzene</i>	100		75-120	%REC	50	02/28/12 05:55 PM
<i>Surr: Dibromofluoromethane</i>	94.3		85-115	%REC	50	02/28/12 05:55 PM
<i>Surr: Toluene-d8</i>	101		85-115	%REC	50	02/28/12 05:55 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	20		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-10

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 01:26 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 01:26 PM
Surr: DCAA	83.2		30-150	%REC	1	02/29/12 01:26 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 01:00 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 01:00 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 01:00 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 01:00 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 01:00 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 01:00 AM
Surr: Decachlorobiphenyl	81.0		30-135	%REC	1	03/02/12 01:00 AM
Surr: Tetrachloro-m-xylene	55.0		25-140	%REC	1	03/02/12 01:00 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 11:49 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RH</b>
Arsenic	0.077		0.010	mg/L	1	02/29/12 08:09 PM
Barium	15		0.050	mg/L	1	02/29/12 08:09 PM
Cadmium	0.0027		0.0020	mg/L	1	02/29/12 08:09 PM
Chromium	0.025		0.020	mg/L	1	02/29/12 08:09 PM
Lead	ND		0.010	mg/L	1	02/29/12 08:09 PM
Selenium	ND		0.020	mg/L	1	02/29/12 08:09 PM
Silver	ND		0.0050	mg/L	1	02/29/12 08:09 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/29/12 12:18 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/29/12 12:18 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/29/12 12:18 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/29/12 12:18 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/29/12 12:18 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/29/12 12:18 PM
Hexachloroethane	ND		0.10	mg/L	1	02/29/12 12:18 PM
m-Cresol	ND		0.10	mg/L	1	02/29/12 12:18 PM
Nitrobenzene	ND		0.10	mg/L	1	02/29/12 12:18 PM
o-Cresol	ND		0.10	mg/L	1	02/29/12 12:18 PM
p-Cresol	ND		0.10	mg/L	1	02/29/12 12:18 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/29/12 12:18 PM
Pyridine	ND		0.40	mg/L	1	02/29/12 12:18 PM
Surr: 2,4,6-Tribromophenol	65.1		21-125	%REC	1	02/29/12 12:18 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S01-022012

**Lab ID:** 1202641-10

**Collection Date:** 02/20/12 02:30 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	60.5		39-94	%REC	1	02/29/12 12:18 PM
<i>Surr: 2-Fluorophenol</i>	38.6		10-75	%REC	1	02/29/12 12:18 PM
<i>Surr: 4-Terphenyl-d14</i>	53.5		26-119	%REC	1	02/29/12 12:18 PM
<i>Surr: Nitrobenzene-d5</i>	69.0		41-104	%REC	1	02/29/12 12:18 PM
<i>Surr: Phenol-d6</i>	26.7		11-50	%REC	1	02/29/12 12:18 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>BG</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 04:34 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 04:34 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 04:34 AM
Benzene	ND		0.020	mg/L	20	02/29/12 04:34 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 04:34 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 04:34 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 04:34 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 04:34 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 04:34 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 04:34 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-130	%REC	20	02/29/12 04:34 AM
<i>Surr: 4-Bromofluorobenzene</i>	97.6		70-130	%REC	20	02/29/12 04:34 AM
<i>Surr: Dibromofluoromethane</i>	93.3		70-130	%REC	20	02/29/12 04:34 AM
<i>Surr: Toluene-d8</i>	99.8		70-130	%REC	20	02/29/12 04:34 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-11

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 01:35 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 01:35 PM
Surr: DCAA	93.0		30-150	%REC	1	02/29/12 01:35 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 01:15 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 01:15 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 01:15 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 01:15 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 01:15 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 01:15 AM
Surr: Decachlorobiphenyl	90.0		30-135	%REC	1	03/02/12 01:15 AM
Surr: Tetrachloro-m-xylene	68.0		25-140	%REC	1	03/02/12 01:15 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 11:51 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RH</b>
Arsenic	0.011		0.010	mg/L	1	02/29/12 08:15 PM
Barium	1.0		0.050	mg/L	1	02/29/12 08:15 PM
Cadmium	ND		0.0020	mg/L	1	02/29/12 08:15 PM
Chromium	ND		0.020	mg/L	1	02/29/12 08:15 PM
Lead	ND		0.010	mg/L	1	02/29/12 08:15 PM
Selenium	ND		0.020	mg/L	1	02/29/12 08:15 PM
Silver	ND		0.0050	mg/L	1	02/29/12 08:15 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 02:25 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 02:25 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 02:25 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 02:25 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 02:25 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 02:25 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 02:25 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 02:25 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 02:25 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 02:25 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 02:25 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 02:25 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 02:25 PM
Surr: 2,4,6-Tribromophenol	76.4		21-125	%REC	1	02/28/12 02:25 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B01-S02-022012

**Lab ID:** 1202641-11

**Collection Date:** 02/20/12 02:40 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	65.4		39-94	%REC	1	02/28/12 02:25 PM
<i>Surr: 2-Fluorophenol</i>	40.7		10-75	%REC	1	02/28/12 02:25 PM
<i>Surr: 4-Terphenyl-d14</i>	68.0		26-119	%REC	1	02/28/12 02:25 PM
<i>Surr: Nitrobenzene-d5</i>	80.6		41-104	%REC	1	02/28/12 02:25 PM
<i>Surr: Phenol-d6</i>	27.8		11-50	%REC	1	02/28/12 02:25 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>BG</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 04:58 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 04:58 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 04:58 AM
Benzene	ND		0.020	mg/L	20	02/29/12 04:58 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 04:58 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 04:58 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 04:58 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 04:58 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 04:58 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 04:58 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-130	%REC	20	02/29/12 04:58 AM
<i>Surr: 4-Bromofluorobenzene</i>	97.7		70-130	%REC	20	02/29/12 04:58 AM
<i>Surr: Dibromofluoromethane</i>	95.1		70-130	%REC	20	02/29/12 04:58 AM
<i>Surr: Toluene-d8</i>	102		70-130	%REC	20	02/29/12 04:58 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-12

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 01:45 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 01:45 PM
Surr: DCAA	93.8		30-150	%REC	1	02/29/12 01:45 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 01:30 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 01:30 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 01:30 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 01:30 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 01:30 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 01:30 AM
Surr: Decachlorobiphenyl	79.0		30-135	%REC	1	03/02/12 01:30 AM
Surr: Tetrachloro-m-xylene	55.0		25-140	%REC	1	03/02/12 01:30 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 11:54 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RH</b>
Arsenic	0.031		0.010	mg/L	1	02/29/12 08:21 PM
Barium	3.9		0.050	mg/L	1	02/29/12 08:21 PM
Cadmium	0.043		0.0020	mg/L	1	02/29/12 08:21 PM
Chromium	0.023		0.020	mg/L	1	02/29/12 08:21 PM
Lead	ND		0.010	mg/L	1	02/29/12 08:21 PM
Selenium	ND		0.020	mg/L	1	02/29/12 08:21 PM
Silver	ND		0.0050	mg/L	1	02/29/12 08:21 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 02:58 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 02:58 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 02:58 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 02:58 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 02:58 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 02:58 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 02:58 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 02:58 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 02:58 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 02:58 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 02:58 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 02:58 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 02:58 PM
Surr: 2,4,6-Tribromophenol	78.7		21-125	%REC	1	02/28/12 02:58 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012

**Lab ID:** 1202641-12

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	67.8		39-94	%REC	1	02/28/12 02:58 PM
Surr: 2-Fluorophenol	44.8		10-75	%REC	1	02/28/12 02:58 PM
Surr: 4-Terphenyl-d14	62.3		26-119	%REC	1	02/28/12 02:58 PM
Surr: Nitrobenzene-d5	82.6		41-104	%REC	1	02/28/12 02:58 PM
Surr: Phenol-d6	30.7		11-50	%REC	1	02/28/12 02:58 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>BG</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 05:22 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 05:22 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 05:22 AM
Benzene	ND		0.020	mg/L	20	02/29/12 05:22 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 05:22 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 05:22 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 05:22 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 05:22 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 05:22 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 05:22 AM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	20	02/29/12 05:22 AM
Surr: 4-Bromofluorobenzene	96.2		70-130	%REC	20	02/29/12 05:22 AM
Surr: Dibromofluoromethane	96.9		70-130	%REC	20	02/29/12 05:22 AM
Surr: Toluene-d8	101		70-130	%REC	20	02/29/12 05:22 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S02-022012

**Lab ID:** 1202641-13

**Collection Date:** 02/20/12 12:25 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 01:54 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 01:54 PM
Surr: DCAA	94.6		30-150	%REC	1	02/29/12 01:54 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 01:45 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 01:45 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 01:45 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 01:45 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 01:45 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 01:45 AM
Surr: Decachlorobiphenyl	75.0		30-135	%REC	1	03/02/12 01:45 AM
Surr: Tetrachloro-m-xylene	59.0		25-140	%REC	1	03/02/12 01:45 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 11:56 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RH</b>
Arsenic	0.016		0.010	mg/L	1	02/29/12 08:27 PM
Barium	5.0		0.050	mg/L	1	02/29/12 08:27 PM
Cadmium	ND		0.0020	mg/L	1	02/29/12 08:27 PM
Chromium	ND		0.020	mg/L	1	02/29/12 08:27 PM
Lead	ND		0.010	mg/L	1	02/29/12 08:27 PM
Selenium	ND		0.020	mg/L	1	02/29/12 08:27 PM
Silver	ND		0.0050	mg/L	1	02/29/12 08:27 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 08:52 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 08:52 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 08:52 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 08:52 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 08:52 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 08:52 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 08:52 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 08:52 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 08:52 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 08:52 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 08:52 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 08:52 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 08:52 PM
Surr: 2,4,6-Tribromophenol	68.0		21-125	%REC	1	02/28/12 08:52 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S02-022012

**Lab ID:** 1202641-13

**Collection Date:** 02/20/12 12:25 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	62.6		39-94	%REC	1	02/28/12 08:52 PM
<i>Surr: 2-Fluorophenol</i>	50.4		10-75	%REC	1	02/28/12 08:52 PM
<i>Surr: 4-Terphenyl-d14</i>	89.4		26-119	%REC	1	02/28/12 08:52 PM
<i>Surr: Nitrobenzene-d5</i>	72.0		41-104	%REC	1	02/28/12 08:52 PM
<i>Surr: Phenol-d6</i>	31.2		11-50	%REC	1	02/28/12 08:52 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 06:21 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 06:21 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 06:21 AM
Benzene	ND		0.020	mg/L	20	03/02/12 06:21 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 06:21 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 06:21 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 06:21 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 06:21 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 06:21 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 06:21 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	102		70-130	%REC	20	03/02/12 06:21 AM
<i>Surr: 4-Bromofluorobenzene</i>	95.6		70-130	%REC	20	03/02/12 06:21 AM
<i>Surr: Dibromofluoromethane</i>	98.0		70-130	%REC	20	03/02/12 06:21 AM
<i>Surr: Toluene-d8</i>	101		70-130	%REC	20	03/02/12 06:21 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-14

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 02:22 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 02:22 PM
Surr: DCAA	93.2		30-150	%REC	1	02/29/12 02:22 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 02:30 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 02:30 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 02:30 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 02:30 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 02:30 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 02:30 AM
Surr: Decachlorobiphenyl	73.0		30-135	%REC	1	03/02/12 02:30 AM
Surr: Tetrachloro-m-xylene	55.0		25-140	%REC	1	03/02/12 02:30 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:08 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
Arsenic	0.024		0.010	mg/L	1	03/01/12 01:02 PM
Barium	2.1		0.050	mg/L	1	03/01/12 01:02 PM
Cadmium	0.0089		0.0020	mg/L	1	03/01/12 01:02 PM
Chromium	ND		0.020	mg/L	1	03/01/12 01:02 PM
Lead	ND		0.010	mg/L	1	03/01/12 01:02 PM
Selenium	ND		0.020	mg/L	1	03/01/12 01:02 PM
Silver	ND		0.0050	mg/L	1	03/01/12 01:02 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 03:31 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 03:31 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 03:31 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 03:31 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 03:31 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 03:31 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 03:31 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 03:31 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 03:31 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 03:31 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 03:31 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 03:31 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 03:31 PM
Surr: 2,4,6-Tribromophenol	79.8		21-125	%REC	1	02/28/12 03:31 PM

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



**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B02-S01-022012-DP

**Lab ID:** 1202641-14

**Collection Date:** 02/20/12 12:00 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	68.4		39-94	%REC	1	02/28/12 03:31 PM
Surr: 2-Fluorophenol	55.9		10-75	%REC	1	02/28/12 03:31 PM
Surr: 4-Terphenyl-d14	80.4		26-119	%REC	1	02/28/12 03:31 PM
Surr: Nitrobenzene-d5	82.8		41-104	%REC	1	02/28/12 03:31 PM
Surr: Phenol-d6	35.0		11-50	%REC	1	02/28/12 03:31 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>BG</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 06:09 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 06:09 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 06:09 AM
Benzene	ND		0.020	mg/L	20	02/29/12 06:09 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 06:09 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 06:09 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 06:09 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 06:09 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 06:09 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 06:09 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	20	02/29/12 06:09 AM
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC	20	02/29/12 06:09 AM
Surr: Dibromofluoromethane	96.2		70-130	%REC	20	02/29/12 06:09 AM
Surr: Toluene-d8	101		70-130	%REC	20	02/29/12 06:09 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-15

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 02:31 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 02:31 PM
Surr: DCAA	98.8		30-150	%REC	1	02/29/12 02:31 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 02:45 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 02:45 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 02:45 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 02:45 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 02:45 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 02:45 AM
Surr: Decachlorobiphenyl	65.0		30-135	%REC	1	03/02/12 02:45 AM
Surr: Tetrachloro-m-xylene	58.0		25-140	%REC	1	03/02/12 02:45 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:11 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
Arsenic	ND		0.010	mg/L	1	03/01/12 01:21 PM
<b>Barium</b>	<b>0.79</b>		<b>0.050</b>	<b>mg/L</b>	1	03/01/12 01:21 PM
Cadmium	ND		0.0020	mg/L	1	03/01/12 01:21 PM
Chromium	ND		0.020	mg/L	1	03/01/12 01:21 PM
Lead	ND		0.010	mg/L	1	03/01/12 01:21 PM
Selenium	ND		0.020	mg/L	1	03/01/12 01:21 PM
Silver	ND		0.0050	mg/L	1	03/01/12 01:21 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 04:04 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 04:04 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 04:04 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 04:04 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 04:04 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 04:04 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 04:04 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 04:04 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 04:04 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 04:04 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 04:04 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 04:04 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 04:04 PM
Surr: 2,4,6-Tribromophenol	76.6		21-125	%REC	1	02/28/12 04:04 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B03-S01-022012

**Lab ID:** 1202641-15

**Collection Date:** 02/20/12 10:50 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	65.8		39-94	%REC	1	02/28/12 04:04 PM
Surr: 2-Fluorophenol	54.1		10-75	%REC	1	02/28/12 04:04 PM
Surr: 4-Terphenyl-d14	76.8		26-119	%REC	1	02/28/12 04:04 PM
Surr: Nitrobenzene-d5	78.4		41-104	%REC	1	02/28/12 04:04 PM
Surr: Phenol-d6	34.3		11-50	%REC	1	02/28/12 04:04 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>BG</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 06:33 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 06:33 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 06:33 AM
Benzene	ND		0.020	mg/L	20	02/29/12 06:33 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 06:33 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 06:33 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 06:33 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 06:33 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 06:33 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 06:33 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	20	02/29/12 06:33 AM
Surr: 4-Bromofluorobenzene	95.4		70-130	%REC	20	02/29/12 06:33 AM
Surr: Dibromofluoromethane	95.7		70-130	%REC	20	02/29/12 06:33 AM
Surr: Toluene-d8	99.6		70-130	%REC	20	02/29/12 06:33 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-16

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 02:41 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 02:41 PM
Surr: DCAA	66.2		30-150	%REC	1	02/29/12 02:41 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 03:00 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 03:00 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 03:00 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 03:00 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 03:00 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 03:00 AM
Surr: Decachlorobiphenyl	78.0		30-135	%REC	1	03/02/12 03:00 AM
Surr: Tetrachloro-m-xylene	61.0		25-140	%REC	1	03/02/12 03:00 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:13 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
Arsenic	ND		0.010	mg/L	1	03/01/12 01:27 PM
<b>Barium</b>	<b>1.2</b>		<b>0.050</b>	<b>mg/L</b>	1	03/01/12 01:27 PM
Cadmium	ND		0.0020	mg/L	1	03/01/12 01:27 PM
Chromium	ND		0.020	mg/L	1	03/01/12 01:27 PM
Lead	ND		0.010	mg/L	1	03/01/12 01:27 PM
Selenium	ND		0.020	mg/L	1	03/01/12 01:27 PM
Silver	ND		0.0050	mg/L	1	03/01/12 01:27 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 04:36 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 04:36 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 04:36 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 04:36 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 04:36 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 04:36 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 04:36 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 04:36 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 04:36 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 04:36 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 04:36 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 04:36 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 04:36 PM
Surr: 2,4,6-Tribromophenol	77.1		21-125	%REC	1	02/28/12 04:36 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** AL-B04-S01-022012

**Lab ID:** 1202641-16

**Collection Date:** 02/20/12 10:05 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	66.3		39-94	%REC	1	02/28/12 04:36 PM
Surr: 2-Fluorophenol	53.3		10-75	%REC	1	02/28/12 04:36 PM
Surr: 4-Terphenyl-d14	78.8		26-119	%REC	1	02/28/12 04:36 PM
Surr: Nitrobenzene-d5	79.1		41-104	%REC	1	02/28/12 04:36 PM
Surr: Phenol-d6	32.9		11-50	%REC	1	02/28/12 04:36 PM

**TCLP VOLATILE ORGANICS**

**SW8260**

Prep Date: 02/24/12

Analyst: BG

1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 06:57 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 06:57 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 06:57 AM
Benzene	ND		0.020	mg/L	20	02/29/12 06:57 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 06:57 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 06:57 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 06:57 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 06:57 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 06:57 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 06:57 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	20	02/29/12 06:57 AM
Surr: 4-Bromofluorobenzene	96.2		70-130	%REC	20	02/29/12 06:57 AM
Surr: Dibromofluoromethane	95.8		70-130	%REC	20	02/29/12 06:57 AM
Surr: Toluene-d8	102		70-130	%REC	20	02/29/12 06:57 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-17

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 02:50 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 02:50 PM
Surr: DCAA	98.4		30-150	%REC	1	02/29/12 02:50 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 03:15 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 03:15 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 03:15 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 03:15 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 03:15 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 03:15 AM
Surr: Decachlorobiphenyl	77.0		30-135	%REC	1	03/02/12 03:15 AM
Surr: Tetrachloro-m-xylene	65.0		25-140	%REC	1	03/02/12 03:15 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:16 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 02:55 AM
<b>Barium</b>	<b>0.48</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 02:55 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 02:55 AM
Chromium	ND		0.020	mg/L	1	02/29/12 02:55 AM
Lead	ND		0.010	mg/L	1	02/29/12 02:55 AM
Selenium	ND		0.020	mg/L	1	02/29/12 02:55 AM
Silver	ND		0.0050	mg/L	1	02/29/12 02:55 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 05:09 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 05:09 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 05:09 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 05:09 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 05:09 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 05:09 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 05:09 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 05:09 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 05:09 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 05:09 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 05:09 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 05:09 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 05:09 PM
Surr: 2,4,6-Tribromophenol	79.2		21-125	%REC	1	02/28/12 05:09 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B01-S01-022012

**Lab ID:** 1202641-17

**Collection Date:** 02/20/12 02:20 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	66.1		39-94	%REC	1	02/28/12 05:09 PM
<i>Surr: 2-Fluorophenol</i>	53.6		10-75	%REC	1	02/28/12 05:09 PM
<i>Surr: 4-Terphenyl-d14</i>	81.2		26-119	%REC	1	02/28/12 05:09 PM
<i>Surr: Nitrobenzene-d5</i>	80.9		41-104	%REC	1	02/28/12 05:09 PM
<i>Surr: Phenol-d6</i>	33.3		11-50	%REC	1	02/28/12 05:09 PM

## TCLP VOLATILE ORGANICS

**SW8260**

Prep Date: **02/24/12**

Analyst: **BG**

1,1-Dichloroethene	ND		0.020	mg/L	20	02/29/12 07:21 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	02/29/12 07:21 AM
2-Butanone	ND		0.20	mg/L	20	02/29/12 07:21 AM
Benzene	ND		0.020	mg/L	20	02/29/12 07:21 AM
Carbon tetrachloride	ND		0.020	mg/L	20	02/29/12 07:21 AM
Chlorobenzene	ND		0.020	mg/L	20	02/29/12 07:21 AM
Chloroform	ND		0.020	mg/L	20	02/29/12 07:21 AM
Tetrachloroethene	ND		0.020	mg/L	20	02/29/12 07:21 AM
Trichloroethene	ND		0.020	mg/L	20	02/29/12 07:21 AM
Vinyl chloride	ND		0.020	mg/L	20	02/29/12 07:21 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	105		70-130	%REC	20	02/29/12 07:21 AM
<i>Surr: 4-Bromofluorobenzene</i>	95.7		70-130	%REC	20	02/29/12 07:21 AM
<i>Surr: Dibromofluoromethane</i>	97.5		70-130	%REC	20	02/29/12 07:21 AM
<i>Surr: Toluene-d8</i>	101		70-130	%REC	20	02/29/12 07:21 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-18

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 02:59 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 02:59 PM
Surr: DCAA	87.6		30-150	%REC	1	02/29/12 02:59 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 03:30 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 03:30 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 03:30 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 03:30 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 03:30 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 03:30 AM
Surr: Decachlorobiphenyl	84.0		30-135	%REC	1	03/02/12 03:30 AM
Surr: Tetrachloro-m-xylene	55.0		25-140	%REC	1	03/02/12 03:30 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:18 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 03:00 AM
<b>Barium</b>	<b>2.1</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 03:00 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:00 AM
Chromium	ND		0.020	mg/L	1	02/29/12 03:00 AM
Lead	ND		0.010	mg/L	1	02/29/12 03:00 AM
Selenium	ND		0.020	mg/L	1	02/29/12 03:00 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:00 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 05:42 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 05:42 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 05:42 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 05:42 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 05:42 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 05:42 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 05:42 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 05:42 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 05:42 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 05:42 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 05:42 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 05:42 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 05:42 PM
Surr: 2,4,6-Tribromophenol	63.9		21-125	%REC	1	02/28/12 05:42 PM

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



**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B03-S01-022012

**Lab ID:** 1202641-18

**Collection Date:** 02/20/12 04:36 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	56.3		39-94	%REC	1	02/28/12 05:42 PM
Surr: 2-Fluorophenol	42.7		10-75	%REC	1	02/28/12 05:42 PM
Surr: 4-Terphenyl-d14	78.1		26-119	%REC	1	02/28/12 05:42 PM
Surr: Nitrobenzene-d5	63.0		41-104	%REC	1	02/28/12 05:42 PM
Surr: Phenol-d6	26.9		11-50	%REC	1	02/28/12 05:42 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 06:45 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 06:45 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 06:45 AM
Benzene	ND		0.020	mg/L	20	03/02/12 06:45 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 06:45 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 06:45 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 06:45 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 06:45 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 06:45 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 06:45 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	20	03/02/12 06:45 AM
Surr: 4-Bromofluorobenzene	95.9		70-130	%REC	20	03/02/12 06:45 AM
Surr: Dibromofluoromethane	97.7		70-130	%REC	20	03/02/12 06:45 AM
Surr: Toluene-d8	101		70-130	%REC	20	03/02/12 06:45 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-19

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0060	mg/Kg-dry	1	02/29/12 08:02 PM
2,4,5-TP (Silvex)	ND		0.012	mg/Kg-dry	1	02/29/12 08:02 PM
2,4-D	ND		0.0060	mg/Kg-dry	1	02/29/12 08:02 PM
Surr: DCAA	95.8		30-150	%REC	1	02/29/12 08:02 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Aroclor 1221	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Aroclor 1232	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Aroclor 1242	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Aroclor 1248	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Aroclor 1254	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Aroclor 1260	ND		0.047	mg/Kg-dry	1	02/28/12 07:27 PM
Surr: Decachlorobiphenyl	83.1		40-140	%REC	1	02/28/12 07:27 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
4,4'-DDE	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
4,4'-DDT	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Aldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
alpha-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
alpha-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
beta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Chlordane, Technical	ND		0.030	mg/Kg-dry	1	03/01/12 08:46 PM
delta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Dieldrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Endosulfan I	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Endosulfan II	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Endosulfan sulfate	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Endrin	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Endrin aldehyde	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Endrin ketone	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
gamma-BHC (Lindane)	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
gamma-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Heptachlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Heptachlor epoxide	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Methoxychlor	ND		0.012	mg/Kg-dry	1	03/01/12 08:46 PM
Toxaphene	ND		0.071	mg/Kg-dry	1	03/01/12 08:46 PM
Surr: Decachlorobiphenyl	66.1		45-135	%REC	1	03/01/12 08:46 PM
Surr: Tetrachloro-m-xylene	72.1		45-124	%REC	1	03/01/12 08:46 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-19

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CES</b>
Mercury	ND		0.021	mg/Kg-dry	1	02/28/12 04:12 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>CES</b>
Aluminum	3,000		15	mg/Kg-dry	20	03/01/12 12:18 PM
Antimony	ND		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Arsenic	2.3		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Barium	10		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Beryllium	ND		0.30	mg/Kg-dry	2	02/29/12 01:17 AM
Boron	3.8		3.0	mg/Kg-dry	2	02/29/12 05:26 PM
Cadmium	ND		0.30	mg/Kg-dry	2	02/29/12 01:17 AM
Calcium	23,000		76	mg/Kg-dry	2	02/29/12 01:17 AM
Chromium	6.8		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Cobalt	2.7		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Copper	3.7		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Iron	5,500		12	mg/Kg-dry	2	02/29/12 01:17 AM
Lead	3.4		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Magnesium	4,000		30	mg/Kg-dry	2	02/29/12 05:26 PM
Manganese	97		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Nickel	7.4		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Potassium	470		30	mg/Kg-dry	2	02/29/12 01:17 AM
Selenium	0.79		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Silver	ND		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Sodium	84		30	mg/Kg-dry	2	02/29/12 05:26 PM
Thallium	ND		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Vanadium	11		0.76	mg/Kg-dry	2	02/29/12 01:17 AM
Zinc	14		1.5	mg/Kg-dry	2	02/29/12 01:17 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
2,4-Dinitrophenol	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
2-Chloronaphthalene	ND		0.097	mg/Kg-dry	1	02/28/12 08:33 PM
2-Chlorophenol	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
2-Methylnaphthalene	ND		0.097	mg/Kg-dry	1	02/28/12 08:33 PM
2-Methylphenol	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-19

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
3,3'-Dichlorobenzidine	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
3-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
4,6-Dinitro-2-methylphenol	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
4-Chloroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
4-Methylphenol	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
4-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
4-Nitrophenol	ND		0.80	mg/Kg-dry	1	02/28/12 08:33 PM
Acenaphthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Acenaphthylene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Acetophenone	ND		4.0	mg/Kg-dry	10	03/01/12 12:00 PM
Anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Atrazine	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Benzaldehyde	ND		4.0	mg/Kg-dry	10	03/01/12 12:00 PM
Benzo(a)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Benzo(a)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Benzo(b)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Benzo(g,h,i)perylene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Benzo(k)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Bis(2-chloroethyl)ether	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
Bis(2-chloroisopropyl)ether	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Caprolactam	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Carbazole	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Chrysene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Dibenzo(a,h)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Fluorene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-19

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Hexachloroethane	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
Indeno(1,2,3-cd)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Isophorone	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Naphthalene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
N-Nitrosodi-n-propylamine	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	02/28/12 08:33 PM
Pentachlorophenol	ND		0.40	mg/Kg-dry	1	02/28/12 08:33 PM
Phenanthrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Phenol	ND		1.9	mg/Kg-dry	10	03/01/12 12:00 PM
Pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 08:33 PM
Surr: 2,4,6-Tribromophenol	95.2		34-140	%REC	1	02/28/12 08:33 PM
Surr: 2-Fluorobiphenyl	73.9		12-100	%REC	1	02/28/12 08:33 PM
Surr: 2-Fluorophenol	88.2		33-117	%REC	10	03/01/12 12:00 PM
Surr: 4-Terphenyl-d14	87.8		25-137	%REC	1	02/28/12 08:33 PM
Surr: Nitrobenzene-d5	67.0		37-107	%REC	1	02/28/12 08:33 PM
Surr: Phenol-d6	82.4		40-106	%REC	10	03/01/12 12:00 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: **BG**

1,1,1-Trichloroethane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
1,1,2-Trichlorotrifluoroethane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,1-Dichloroethane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,1-Dichloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,2,4-Trichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dibromoethane	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dichloroethane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,2-Dichloropropane	ND		0.21	mg/Kg-dry	50	02/28/12 06:20 PM
1,3-Dichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
1,4-Dichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
2-Butanone	ND		0.46	mg/Kg-dry	50	02/28/12 06:20 PM
2-Hexanone	ND		0.30	mg/Kg-dry	50	02/28/12 06:20 PM
4-Methyl-2-pentanone	ND		0.30	mg/Kg-dry	50	02/28/12 06:20 PM
Acetone	ND		0.27	mg/Kg-dry	50	02/28/12 06:20 PM
Benzene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Bromodichloromethane	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-19

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Bromomethane	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
Carbon disulfide	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
Carbon tetrachloride	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Chlorobenzene	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
Chloroethane	ND		0.18	mg/Kg-dry	50	02/28/12 06:20 PM
Chloroform	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Chloromethane	ND		0.18	mg/Kg-dry	50	02/28/12 06:20 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
cis-1,3-Dichloropropene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Cyclohexane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
Dichlorodifluoromethane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
Isopropylbenzene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Methyl acetate	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Methyl tert-butyl ether	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 06:20 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
Styrene	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
Tetrachloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Toluene	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
trans-1,2-Dichloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
trans-1,3-Dichloropropene	ND		0.091	mg/Kg-dry	50	02/28/12 06:20 PM
Trichloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Trichlorofluoromethane	ND		0.061	mg/Kg-dry	50	02/28/12 06:20 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 06:20 PM
Xylenes, Total	ND		0.18	mg/Kg-dry	50	02/28/12 06:20 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	50	02/28/12 06:20 PM
Surr: 4-Bromofluorobenzene	99.2		75-120	%REC	50	02/28/12 06:20 PM
Surr: Dibromofluoromethane	92.1		85-115	%REC	50	02/28/12 06:20 PM
Surr: Toluene-d8	100		85-115	%REC	50	02/28/12 06:20 PM

**CHROMIUM, HEXAVALENT**

Chromium, Hexavalent

ND

**SW7196A**

0.60 mg/Kg-dry

Prep Date: 02/24/12

1

Analyst: MB

02/27/12 04:00 PM

**MOISTURE**

Moisture

18

**A2540 G**

0.050 % of sample

1

Analyst: CG

02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-20

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0057	mg/Kg-dry	1	02/29/12 08:11 PM
2,4,5-TP (Silvex)	ND		0.011	mg/Kg-dry	1	02/29/12 08:11 PM
2,4-D	ND		0.0057	mg/Kg-dry	1	02/29/12 08:11 PM
Surr: DCAA	91.2		30-150	%REC	1	02/29/12 08:11 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Aroclor 1221	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Aroclor 1232	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Aroclor 1242	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Aroclor 1248	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Aroclor 1254	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Aroclor 1260	ND		0.044	mg/Kg-dry	1	02/28/12 07:47 PM
Surr: Decachlorobiphenyl	77.1		40-140	%REC	1	02/28/12 07:47 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
4,4'-DDE	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
4,4'-DDT	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Aldrin	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
alpha-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
alpha-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
beta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Chlordane, Technical	ND		0.028	mg/Kg-dry	1	03/01/12 09:01 PM
delta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Dieldrin	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Endosulfan I	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Endosulfan II	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Endosulfan sulfate	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Endrin	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Endrin aldehyde	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Endrin ketone	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
gamma-BHC (Lindane)	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
gamma-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Heptachlor	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Heptachlor epoxide	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Methoxychlor	ND		0.011	mg/Kg-dry	1	03/01/12 09:01 PM
Toxaphene	ND		0.067	mg/Kg-dry	1	03/01/12 09:01 PM
Surr: Decachlorobiphenyl	67.1		45-135	%REC	1	03/01/12 09:01 PM
Surr: Tetrachloro-m-xylene	73.1		45-124	%REC	1	03/01/12 09:01 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-20

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CES</b>
Mercury	ND		0.021	mg/Kg-dry	1	02/28/12 04:15 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	4,400		1.8	mg/Kg-dry	2	02/29/12 03:53 AM
Antimony	ND		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Arsenic	1.7		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Barium	26		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Beryllium	ND		0.35	mg/Kg-dry	2	02/29/12 03:53 AM
Boron	15		3.5	mg/Kg-dry	2	02/29/12 03:53 AM
Cadmium	ND		0.35	mg/Kg-dry	2	02/29/12 03:53 AM
Calcium	1,400		88	mg/Kg-dry	2	02/29/12 03:53 AM
Chromium	6.0		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Cobalt	3.4		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Copper	2.9		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Iron	5,700		14	mg/Kg-dry	2	02/29/12 03:53 AM
Lead	4.1		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Magnesium	1,300		35	mg/Kg-dry	2	02/29/12 03:53 AM
Manganese	37		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Nickel	7.6		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Potassium	550		35	mg/Kg-dry	2	02/29/12 03:53 AM
Selenium	ND		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Silver	ND		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Sodium	130		35	mg/Kg-dry	2	02/29/12 03:53 AM
Thallium	ND		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Vanadium	11		0.88	mg/Kg-dry	2	02/29/12 03:53 AM
Zinc	18		1.8	mg/Kg-dry	2	02/29/12 03:53 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
2,4-Dimethylphenol	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
2,4-Dinitrophenol	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
2-Chloronaphthalene	ND		0.094	mg/Kg-dry	1	02/28/12 09:00 PM
2-Chlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
2-Methylnaphthalene	ND		0.094	mg/Kg-dry	1	02/28/12 09:00 PM
2-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-20

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
3,3'-Dichlorobenzidine	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
3-Nitroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
4,6-Dinitro-2-methylphenol	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
4-Chloroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
4-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
4-Nitroaniline	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
4-Nitrophenol	ND		0.77	mg/Kg-dry	1	02/28/12 09:00 PM
Acenaphthene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Acenaphthylene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Acetophenone	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Anthracene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Atrazine	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Benzaldehyde	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Benzo(a)anthracene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Benzo(a)pyrene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Benzo(b)fluoranthene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Benzo(g,h,i)perylene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Benzo(k)fluoranthene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Bis(2-chloroethyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Bis(2-chloroisopropyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Bis(2-ethylhexyl)phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Caprolactam	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Carbazole	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Chrysene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Dibenzo(a,h)anthracene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Diethyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Dimethyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Di-n-butyl phthalate	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Fluoranthene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Fluorene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-20

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Hexachlorocyclopentadiene	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Hexachloroethane	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Indeno(1,2,3-cd)pyrene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Isophorone	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Naphthalene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
N-Nitrosodi-n-propylamine	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Pentachlorophenol	ND		0.39	mg/Kg-dry	1	02/28/12 09:00 PM
Phenanthrene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
Phenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:00 PM
Pyrene	ND		0.035	mg/Kg-dry	1	02/28/12 09:00 PM
<i>Surr: 2,4,6-Tribromophenol</i>	93.4		34-140	%REC	1	02/28/12 09:00 PM
<i>Surr: 2-Fluorobiphenyl</i>	63.1		12-100	%REC	1	02/28/12 09:00 PM
<i>Surr: 2-Fluorophenol</i>	71.3		33-117	%REC	1	02/28/12 09:00 PM
<i>Surr: 4-Terphenyl-d14</i>	88.5		25-137	%REC	1	02/28/12 09:00 PM
<i>Surr: Nitrobenzene-d5</i>	59.1		37-107	%REC	1	02/28/12 09:00 PM
<i>Surr: Phenol-d6</i>	70.2		40-106	%REC	1	02/28/12 09:00 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
1,1,2-Trichlorotrifluoroethane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,1-Dichloroethane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,1-Dichloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,2,4-Trichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
1,2-Dibromoethane	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
1,2-Dichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,2-Dichloroethane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,2-Dichloropropane	ND		0.21	mg/Kg-dry	50	02/28/12 06:44 PM
1,3-Dichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
1,4-Dichlorobenzene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
2-Butanone	ND		0.44	mg/Kg-dry	50	02/28/12 06:44 PM
2-Hexanone	ND		0.29	mg/Kg-dry	50	02/28/12 06:44 PM
4-Methyl-2-pentanone	ND		0.29	mg/Kg-dry	50	02/28/12 06:44 PM
Acetone	ND		0.26	mg/Kg-dry	50	02/28/12 06:44 PM
Benzene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Bromodichloromethane	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-20

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Bromomethane	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
Carbon disulfide	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
Carbon tetrachloride	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Chlorobenzene	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
Chloroethane	ND		0.18	mg/Kg-dry	50	02/28/12 06:44 PM
Chloroform	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Chloromethane	ND		0.18	mg/Kg-dry	50	02/28/12 06:44 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
cis-1,3-Dichloropropene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Cyclohexane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
Dichlorodifluoromethane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
Isopropylbenzene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Methyl acetate	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Methyl tert-butyl ether	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 06:44 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
Styrene	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
<b>Tetrachloroethene</b>	<b>0.25</b>		<b>0.059</b>	<b>mg/Kg-dry</b>	50	02/28/12 06:44 PM
Toluene	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
trans-1,2-Dichloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
trans-1,3-Dichloropropene	ND		0.088	mg/Kg-dry	50	02/28/12 06:44 PM
Trichloroethene	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Trichlorofluoromethane	ND		0.059	mg/Kg-dry	50	02/28/12 06:44 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 06:44 PM
Xylenes, Total	ND		0.18	mg/Kg-dry	50	02/28/12 06:44 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	105		70-120	%REC	50	02/28/12 06:44 PM
<i>Surr: 4-Bromofluorobenzene</i>	102		75-120	%REC	50	02/28/12 06:44 PM
<i>Surr: Dibromofluoromethane</i>	93.3		85-115	%REC	50	02/28/12 06:44 PM
<i>Surr: Toluene-d8</i>	103		85-115	%REC	50	02/28/12 06:44 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	15		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-21

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0055	mg/Kg-dry	1	02/29/12 08:20 PM
2,4,5-TP (Silvex)	ND		0.011	mg/Kg-dry	1	02/29/12 08:20 PM
2,4-D	ND		0.0055	mg/Kg-dry	1	02/29/12 08:20 PM
Surr: DCAA	95.6		30-150	%REC	1	02/29/12 08:20 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Aroclor 1221	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Aroclor 1232	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Aroclor 1242	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Aroclor 1248	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Aroclor 1254	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Aroclor 1260	ND		0.044	mg/Kg-dry	1	02/28/12 08:07 PM
Surr: Decachlorobiphenyl	82.1		40-140	%REC	1	02/28/12 08:07 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
4,4'-DDE	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
4,4'-DDT	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Aldrin	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
alpha-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
alpha-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
beta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Chlordane, Technical	ND		0.028	mg/Kg-dry	1	03/01/12 09:16 PM
delta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Dieldrin	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Endosulfan I	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Endosulfan II	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Endosulfan sulfate	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Endrin	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Endrin aldehyde	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Endrin ketone	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
gamma-BHC (Lindane)	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
gamma-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Heptachlor	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Heptachlor epoxide	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Methoxychlor	ND		0.011	mg/Kg-dry	1	03/01/12 09:16 PM
Toxaphene	ND		0.066	mg/Kg-dry	1	03/01/12 09:16 PM
Surr: Decachlorobiphenyl	71.1		45-135	%REC	1	03/01/12 09:16 PM
Surr: Tetrachloro-m-xylene	71.1		45-124	%REC	1	03/01/12 09:16 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-21

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.019	mg/Kg-dry	1	02/28/12 05:27 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	4,100		1.4	mg/Kg-dry	2	02/29/12 03:59 AM
Antimony	ND		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Arsenic	1.4		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Barium	34		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Beryllium	ND		0.27	mg/Kg-dry	2	02/29/12 03:59 AM
Boron	4.1		2.7	mg/Kg-dry	2	02/29/12 03:59 AM
Cadmium	ND		0.27	mg/Kg-dry	2	02/29/12 03:59 AM
Calcium	1,600		68	mg/Kg-dry	2	02/29/12 03:59 AM
Chromium	6.1		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Cobalt	4.0		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Copper	2.7		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Iron	6,900		11	mg/Kg-dry	2	02/29/12 03:59 AM
Lead	7.8		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Magnesium	730		27	mg/Kg-dry	2	02/29/12 03:59 AM
Manganese	63		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Nickel	5.7		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Potassium	280		27	mg/Kg-dry	2	02/29/12 03:59 AM
Selenium	ND		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Silver	ND		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Sodium	35		27	mg/Kg-dry	2	02/29/12 03:59 AM
Thallium	ND		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Vanadium	13		0.68	mg/Kg-dry	2	02/29/12 03:59 AM
Zinc	25		1.4	mg/Kg-dry	2	02/29/12 03:59 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
2,4,5-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
2,4,6-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
2,4-Dichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
2,4-Dimethylphenol	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
2,4-Dinitrophenol	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
2,4-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
2,6-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
2-Chloronaphthalene	ND		0.089	mg/Kg-dry	1	02/28/12 09:27 PM
2-Chlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
2-Methylnaphthalene	ND		0.089	mg/Kg-dry	1	02/28/12 09:27 PM
2-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-21

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
2-Nitrophenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
3,3'-Dichlorobenzidine	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
3-Nitroaniline	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
4,6-Dinitro-2-methylphenol	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
4-Bromophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
4-Chloro-3-methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
4-Chloroaniline	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
4-Chlorophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
4-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
4-Nitroaniline	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
4-Nitrophenol	ND		0.73	mg/Kg-dry	1	02/28/12 09:27 PM
Acenaphthene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Acenaphthylene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Acetophenone	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Anthracene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Atrazine	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Benzaldehyde	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Benzo(a)anthracene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Benzo(a)pyrene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Benzo(b)fluoranthene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Benzo(g,h,i)perylene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Benzo(k)fluoranthene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Bis(2-chloroethoxy)methane	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Bis(2-chloroethyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Bis(2-chloroisopropyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Bis(2-ethylhexyl)phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Butyl benzyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Caprolactam	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Carbazole	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Chrysene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Dibenzo(a,h)anthracene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Dibenzofuran	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Diethyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Dimethyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Di-n-butyl phthalate	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Di-n-octyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Fluoranthene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Fluorene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Hexachlorobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-21

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Hexachlorocyclopentadiene	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Hexachloroethane	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Indeno(1,2,3-cd)pyrene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Isophorone	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Naphthalene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Nitrobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
N-Nitrosodi-n-propylamine	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
N-Nitrosodiphenylamine	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Pentachlorophenol	ND		0.37	mg/Kg-dry	1	02/28/12 09:27 PM
Phenanthrene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Phenol	ND		0.18	mg/Kg-dry	1	02/28/12 09:27 PM
Pyrene	ND		0.033	mg/Kg-dry	1	02/28/12 09:27 PM
Surr: 2,4,6-Tribromophenol	93.8		34-140	%REC	1	02/28/12 09:27 PM
Surr: 2-Fluorobiphenyl	66.3		12-100	%REC	1	02/28/12 09:27 PM
Surr: 2-Fluorophenol	74.2		33-117	%REC	1	02/28/12 09:27 PM
Surr: 4-Terphenyl-d14	89.0		25-137	%REC	1	02/28/12 09:27 PM
Surr: Nitrobenzene-d5	61.6		37-107	%REC	1	02/28/12 09:27 PM
Surr: Phenol-d6	71.6		40-106	%REC	1	02/28/12 09:27 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,1,2,2-Tetrachloroethane	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
1,1,2-Trichloroethane	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
1,1,2-Trichlorotrifluoroethane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,1-Dichloroethane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,1-Dichloroethene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,2,4-Trichlorobenzene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,2-Dibromo-3-chloropropane	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
1,2-Dibromoethane	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
1,2-Dichlorobenzene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,2-Dichloroethane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,2-Dichloropropane	ND		0.20	mg/Kg-dry	50	02/28/12 07:09 PM
1,3-Dichlorobenzene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
1,4-Dichlorobenzene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
2-Butanone	ND		0.42	mg/Kg-dry	50	02/28/12 07:09 PM
2-Hexanone	ND		0.28	mg/Kg-dry	50	02/28/12 07:09 PM
4-Methyl-2-pentanone	ND		0.28	mg/Kg-dry	50	02/28/12 07:09 PM
Acetone	ND		0.25	mg/Kg-dry	50	02/28/12 07:09 PM
Benzene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Bromodichloromethane	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-21

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Bromomethane	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
Carbon disulfide	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
Carbon tetrachloride	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Chlorobenzene	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
Chloroethane	ND		0.17	mg/Kg-dry	50	02/28/12 07:09 PM
Chloroform	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Chloromethane	ND		0.17	mg/Kg-dry	50	02/28/12 07:09 PM
cis-1,2-Dichloroethene	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
cis-1,3-Dichloropropene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Cyclohexane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Dibromochloromethane	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
Dichlorodifluoromethane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Ethylbenzene	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
Isopropylbenzene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Methyl acetate	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Methyl tert-butyl ether	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
Methylcyclohexane	ND		1.1	mg/Kg-dry	50	02/28/12 07:09 PM
Methylene chloride	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
Styrene	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
Tetrachloroethene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Toluene	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
trans-1,2-Dichloroethene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
trans-1,3-Dichloropropene	ND		0.085	mg/Kg-dry	50	02/28/12 07:09 PM
Trichloroethene	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Trichlorofluoromethane	ND		0.056	mg/Kg-dry	50	02/28/12 07:09 PM
Vinyl chloride	ND		0.11	mg/Kg-dry	50	02/28/12 07:09 PM
Xylenes, Total	ND		0.17	mg/Kg-dry	50	02/28/12 07:09 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	50	02/28/12 07:09 PM
Surr: 4-Bromofluorobenzene	100		75-120	%REC	50	02/28/12 07:09 PM
Surr: Dibromofluoromethane	93.0		85-115	%REC	50	02/28/12 07:09 PM
Surr: Toluene-d8	100		85-115	%REC	50	02/28/12 07:09 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.55	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	11		0.050	% of sample	1	02/23/12 04:08 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-22

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0061	mg/Kg-dry	1	02/29/12 08:30 PM
2,4,5-TP (Silvex)	ND		0.012	mg/Kg-dry	1	02/29/12 08:30 PM
2,4-D	ND		0.0061	mg/Kg-dry	1	02/29/12 08:30 PM
Surr: DCAA	79.8		30-150	%REC	1	02/29/12 08:30 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Aroclor 1221	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Aroclor 1232	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Aroclor 1242	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Aroclor 1248	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Aroclor 1254	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Aroclor 1260	ND		0.049	mg/Kg-dry	1	02/28/12 08:27 PM
Surr: Decachlorobiphenyl	78.1		40-140	%REC	1	02/28/12 08:27 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
4,4'-DDE	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
4,4'-DDT	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Aldrin	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
alpha-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
alpha-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
beta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Chlordane, Technical	ND		0.031	mg/Kg-dry	1	03/01/12 09:31 PM
delta-BHC	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Dieldrin	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Endosulfan I	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Endosulfan II	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Endosulfan sulfate	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Endrin	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Endrin aldehyde	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Endrin ketone	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
gamma-BHC (Lindane)	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
gamma-Chlordane	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Heptachlor	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Heptachlor epoxide	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Methoxychlor	ND		0.012	mg/Kg-dry	1	03/01/12 09:31 PM
Toxaphene	ND		0.074	mg/Kg-dry	1	03/01/12 09:31 PM
Surr: Decachlorobiphenyl	72.1		45-135	%REC	1	03/01/12 09:31 PM
Surr: Tetrachloro-m-xylene	71.1		45-124	%REC	1	03/01/12 09:31 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-22

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.023	mg/Kg-dry	1	02/28/12 05:34 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>CES</b>
Aluminum	4,700		15	mg/Kg-dry	20	03/01/12 12:25 PM
Antimony	ND		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Arsenic	1.6		0.76	mg/Kg-dry	2	02/29/12 05:32 PM
Barium	15		0.76	mg/Kg-dry	2	02/29/12 05:32 PM
Beryllium	ND		0.31	mg/Kg-dry	2	02/29/12 05:32 PM
Boron	ND		3.1	mg/Kg-dry	2	02/29/12 05:32 PM
Cadmium	ND		0.31	mg/Kg-dry	2	02/29/12 05:32 PM
Calcium	1,400		76	mg/Kg-dry	2	02/29/12 05:32 PM
Chromium	5.8		0.76	mg/Kg-dry	2	02/29/12 05:32 PM
Cobalt	2.4		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Copper	1.4		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Iron	7,000		12	mg/Kg-dry	2	02/29/12 04:29 AM
Lead	4.2		0.76	mg/Kg-dry	2	02/29/12 05:32 PM
Magnesium	780		31	mg/Kg-dry	2	02/29/12 05:32 PM
Manganese	64		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Nickel	4.1		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Potassium	280		31	mg/Kg-dry	2	02/29/12 05:32 PM
Selenium	ND		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Silver	ND		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Sodium	45		31	mg/Kg-dry	2	02/29/12 05:32 PM
Thallium	ND		0.76	mg/Kg-dry	2	02/29/12 05:32 PM
Vanadium	13		0.76	mg/Kg-dry	2	02/29/12 04:29 AM
Zinc	12		1.5	mg/Kg-dry	2	02/29/12 04:29 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
2,4,5-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
2,4,6-Trichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
2,4-Dichlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
2,4-Dimethylphenol	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
2,4-Dinitrophenol	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
2,4-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
2,6-Dinitrotoluene	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
2-Chloronaphthalene	ND		0.097	mg/Kg-dry	1	02/28/12 09:54 PM
2-Chlorophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
2-Methylnaphthalene	ND		0.097	mg/Kg-dry	1	02/28/12 09:54 PM
2-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-22

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
2-Nitrophenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
3,3'-Dichlorobenzidine	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
3-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
4,6-Dinitro-2-methylphenol	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
4-Bromophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
4-Chloro-3-methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
4-Chloroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
4-Chlorophenyl phenyl ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
4-Methylphenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
4-Nitroaniline	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
4-Nitrophenol	ND		0.80	mg/Kg-dry	1	02/28/12 09:54 PM
Acenaphthene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Acenaphthylene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Acetophenone	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Atrazine	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Benzaldehyde	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Benzo(a)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Benzo(a)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Benzo(b)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Benzo(g,h,i)perylene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Benzo(k)fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Bis(2-chloroethoxy)methane	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Bis(2-chloroethyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Bis(2-chloroisopropyl)ether	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Bis(2-ethylhexyl)phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Butyl benzyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Caprolactam	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Carbazole	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Chrysene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Dibenzo(a,h)anthracene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Dibenzofuran	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Diethyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Dimethyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Di-n-butyl phthalate	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Di-n-octyl phthalate	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Fluoranthene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Fluorene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Hexachlorobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-22

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Hexachlorocyclopentadiene	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Hexachloroethane	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Indeno(1,2,3-cd)pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Isophorone	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Naphthalene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Nitrobenzene	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
N-Nitrosodi-n-propylamine	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
N-Nitrosodiphenylamine	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Pentachlorophenol	ND		0.40	mg/Kg-dry	1	02/28/12 09:54 PM
Phenanthrene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Phenol	ND		0.19	mg/Kg-dry	1	02/28/12 09:54 PM
Pyrene	ND		0.036	mg/Kg-dry	1	02/28/12 09:54 PM
Surr: 2,4,6-Tribromophenol	94.0		34-140	%REC	1	02/28/12 09:54 PM
Surr: 2-Fluorobiphenyl	72.7		12-100	%REC	1	02/28/12 09:54 PM
Surr: 2-Fluorophenol	79.1		33-117	%REC	1	02/28/12 09:54 PM
Surr: 4-Terphenyl-d14	89.7		25-137	%REC	1	02/28/12 09:54 PM
Surr: Nitrobenzene-d5	66.6		37-107	%REC	1	02/28/12 09:54 PM
Surr: Phenol-d6	76.7		40-106	%REC	1	02/28/12 09:54 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
1,1,2-Trichlorotrifluoroethane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,1-Dichloroethane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,1-Dichloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,2,4-Trichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
1,2-Dibromoethane	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
1,2-Dichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,2-Dichloroethane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,2-Dichloropropane	ND		0.21	mg/Kg-dry	50	02/28/12 07:33 PM
1,3-Dichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
1,4-Dichlorobenzene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
2-Butanone	ND		0.46	mg/Kg-dry	50	02/28/12 07:33 PM
2-Hexanone	ND		0.31	mg/Kg-dry	50	02/28/12 07:33 PM
4-Methyl-2-pentanone	ND		0.31	mg/Kg-dry	50	02/28/12 07:33 PM
Acetone	ND		0.28	mg/Kg-dry	50	02/28/12 07:33 PM
Benzene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Bromodichloromethane	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-22

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Bromomethane	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
Carbon disulfide	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
Carbon tetrachloride	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Chlorobenzene	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
Chloroethane	ND		0.18	mg/Kg-dry	50	02/28/12 07:33 PM
Chloroform	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Chloromethane	ND		0.18	mg/Kg-dry	50	02/28/12 07:33 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
cis-1,3-Dichloropropene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Cyclohexane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
Dichlorodifluoromethane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
Isopropylbenzene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Methyl acetate	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Methyl tert-butyl ether	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/28/12 07:33 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
Styrene	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
Tetrachloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Toluene	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
trans-1,2-Dichloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
trans-1,3-Dichloropropene	ND		0.092	mg/Kg-dry	50	02/28/12 07:33 PM
Trichloroethene	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Trichlorofluoromethane	ND		0.061	mg/Kg-dry	50	02/28/12 07:33 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/28/12 07:33 PM
Xylenes, Total	ND		0.18	mg/Kg-dry	50	02/28/12 07:33 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-120	%REC	50	02/28/12 07:33 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.6		75-120	%REC	50	02/28/12 07:33 PM
<i>Surr: Dibromofluoromethane</i>	93.3		85-115	%REC	50	02/28/12 07:33 PM
<i>Surr: Toluene-d8</i>	102		85-115	%REC	50	02/28/12 07:33 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	02/27/12 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>CG</b>
Moisture	18		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-23

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0056	mg/Kg-dry	1	02/29/12 08:39 PM
2,4,5-TP (Silvex)	ND		0.011	mg/Kg-dry	1	02/29/12 08:39 PM
2,4-D	ND		0.0056	mg/Kg-dry	1	02/29/12 08:39 PM
Surr: DCAA	98.6		30-150	%REC	1	02/29/12 08:39 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.044	mg/Kg-dry	1	02/28/12 08:47 PM
Aroclor 1221	ND		0.044	mg/Kg-dry	1	02/28/12 08:47 PM
Aroclor 1232	ND		0.044	mg/Kg-dry	1	02/28/12 08:47 PM
Aroclor 1242	ND		0.044	mg/Kg-dry	1	02/28/12 08:47 PM
Aroclor 1248	ND		0.044	mg/Kg-dry	1	02/28/12 08:47 PM
<b>Aroclor 1254</b>	<b>0.13</b>		<b>0.044</b>	<b>mg/Kg-dry</b>	1	02/28/12 08:47 PM
Aroclor 1260	ND		0.044	mg/Kg-dry	1	02/28/12 08:47 PM
Surr: Decachlorobiphenyl	85.1		40-140	%REC	1	02/28/12 08:47 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
4,4'-DDE	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
4,4'-DDT	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Aldrin	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
alpha-BHC	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
alpha-Chlordane	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
beta-BHC	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Chlordane, Technical	ND		1.4	mg/Kg-dry	50	03/01/12 09:46 PM
delta-BHC	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Dieldrin	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Endosulfan I	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Endosulfan II	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Endosulfan sulfate	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Endrin	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Endrin aldehyde	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Endrin ketone	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
gamma-BHC (Lindane)	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
gamma-Chlordane	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Heptachlor	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Heptachlor epoxide	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Methoxychlor	ND		0.55	mg/Kg-dry	50	03/01/12 09:46 PM
Toxaphene	ND		3.3	mg/Kg-dry	50	03/01/12 09:46 PM
Surr: Decachlorobiphenyl	100		45-135	%REC	50	03/01/12 09:46 PM
Surr: Tetrachloro-m-xylene	100		45-124	%REC	50	03/01/12 09:46 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-23

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	0.031		0.021	mg/Kg-dry	1	02/28/12 05:37 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	11,000		18	mg/Kg-dry	20	03/01/12 06:10 AM
Antimony	ND		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Arsenic	6.3		0.90	mg/Kg-dry	2	02/29/12 05:44 PM
Barium	100		0.90	mg/Kg-dry	2	02/29/12 05:44 PM
Beryllium	0.44		0.36	mg/Kg-dry	2	02/29/12 05:44 PM
Boron	13		3.6	mg/Kg-dry	2	02/29/12 05:44 PM
Cadmium	1.5		0.36	mg/Kg-dry	2	02/29/12 05:44 PM
Calcium	70,000		900	mg/Kg-dry	20	02/29/12 05:38 PM
Chromium	15		0.90	mg/Kg-dry	2	02/29/12 05:44 PM
Cobalt	8.6		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Copper	15		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Iron	21,000		14	mg/Kg-dry	2	02/29/12 04:35 AM
Lead	24		0.90	mg/Kg-dry	2	02/29/12 05:44 PM
Magnesium	18,000		36	mg/Kg-dry	2	02/29/12 05:44 PM
Manganese	610		9.0	mg/Kg-dry	20	02/29/12 05:38 PM
Nickel	22		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Potassium	2,500		36	mg/Kg-dry	2	02/29/12 05:44 PM
Selenium	1.1		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Silver	ND		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Sodium	220		36	mg/Kg-dry	2	02/29/12 05:44 PM
Thallium	ND		0.90	mg/Kg-dry	2	02/29/12 05:44 PM
Vanadium	25		0.90	mg/Kg-dry	2	02/29/12 04:35 AM
Zinc	63		1.8	mg/Kg-dry	2	02/29/12 04:35 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
2,4,5-Trichlorophenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
2,4,6-Trichlorophenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
2,4-Dichlorophenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
2,4-Dimethylphenol	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
2,4-Dinitrophenol	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
2,4-Dinitrotoluene	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
2,6-Dinitrotoluene	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
2-Chloronaphthalene	ND		4.6	mg/Kg-dry	50	02/29/12 12:47 PM
2-Chlorophenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
2-Methylnaphthalene	ND		4.6	mg/Kg-dry	50	02/29/12 12:47 PM
2-Methylphenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-23

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
2-Nitrophenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
3,3'-Dichlorobenzidine	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
3-Nitroaniline	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
4,6-Dinitro-2-methylphenol	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
4-Bromophenyl phenyl ether	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
4-Chloro-3-methylphenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
4-Chloroaniline	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
4-Chlorophenyl phenyl ether	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
4-Methylphenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
4-Nitroaniline	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
4-Nitrophenol	ND		38	mg/Kg-dry	50	02/29/12 12:47 PM
Acenaphthene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Acenaphthylene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Acetophenone	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Anthracene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Atrazine	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Benzaldehyde	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Benzo(a)anthracene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Benzo(a)pyrene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Benzo(b)fluoranthene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Benzo(g,h,i)perylene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Benzo(k)fluoranthene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Bis(2-chloroethoxy)methane	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Bis(2-chloroethyl)ether	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Bis(2-chloroisopropyl)ether	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Bis(2-ethylhexyl)phthalate	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Butyl benzyl phthalate	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Caprolactam	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Carbazole	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Chrysene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Dibenzo(a,h)anthracene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Dibenzofuran	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Diethyl phthalate	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Dimethyl phthalate	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Di-n-butyl phthalate	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Di-n-octyl phthalate	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Fluoranthene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Fluorene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Hexachlorobenzene	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-23

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Hexachlorocyclopentadiene	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Hexachloroethane	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Indeno(1,2,3-cd)pyrene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Isophorone	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Naphthalene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Nitrobenzene	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
N-Nitrosodi-n-propylamine	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
N-Nitrosodiphenylamine	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Pentachlorophenol	ND		19	mg/Kg-dry	50	02/29/12 12:47 PM
Phenanthrene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Phenol	ND		9.2	mg/Kg-dry	50	02/29/12 12:47 PM
Pyrene	ND		1.7	mg/Kg-dry	50	02/29/12 12:47 PM
Surr: 2,4,6-Tribromophenol	119		34-140	%REC	50	02/29/12 12:47 PM
Surr: 2-Fluorobiphenyl	64.0		12-100	%REC	50	02/29/12 12:47 PM
Surr: 2-Fluorophenol	63.0		33-117	%REC	50	02/29/12 12:47 PM
Surr: 4-Terphenyl-d14	108		25-137	%REC	50	02/29/12 12:47 PM
Surr: Nitrobenzene-d5	53.0		37-107	%REC	50	02/29/12 12:47 PM
Surr: Phenol-d6	66.0		40-106	%REC	50	02/29/12 12:47 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,1,2,2-Tetrachloroethane	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
1,1,2-Trichloroethane	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
1,1,2-Trichlorotrifluoroethane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,1-Dichloroethane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,1-Dichloroethene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,2,4-Trichlorobenzene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,2-Dibromo-3-chloropropane	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
1,2-Dibromoethane	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
1,2-Dichlorobenzene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,2-Dichloroethane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,2-Dichloropropane	ND		0.20	mg/Kg-dry	50	02/29/12 06:50 PM
1,3-Dichlorobenzene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
1,4-Dichlorobenzene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
2-Butanone	ND		0.44	mg/Kg-dry	50	02/29/12 06:50 PM
2-Hexanone	ND		0.29	mg/Kg-dry	50	02/29/12 06:50 PM
4-Methyl-2-pentanone	ND		0.29	mg/Kg-dry	50	02/29/12 06:50 PM
Acetone	ND		0.26	mg/Kg-dry	50	02/29/12 06:50 PM
Benzene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Bromodichloromethane	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-23

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Bromomethane	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
Carbon disulfide	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
Carbon tetrachloride	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Chlorobenzene	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
Chloroethane	ND		0.17	mg/Kg-dry	50	02/29/12 06:50 PM
Chloroform	ND		0.058	mg/Kg-dry	50	02/29/12 03:23 AM
Chloromethane	ND		0.17	mg/Kg-dry	50	02/29/12 06:50 PM
cis-1,2-Dichloroethene	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
cis-1,3-Dichloropropene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Cyclohexane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Dibromochloromethane	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
Dichlorodifluoromethane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Ethylbenzene	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
Isopropylbenzene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Methyl acetate	ND		0.058	mg/Kg-dry	50	02/29/12 03:23 AM
Methyl tert-butyl ether	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
Methylcyclohexane	ND		1.2	mg/Kg-dry	50	02/29/12 06:50 PM
Methylene chloride	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
Styrene	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
Tetrachloroethene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Toluene	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
trans-1,2-Dichloroethene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
trans-1,3-Dichloropropene	ND		0.087	mg/Kg-dry	50	02/29/12 06:50 PM
Trichloroethene	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Trichlorofluoromethane	ND		0.058	mg/Kg-dry	50	02/29/12 06:50 PM
Vinyl chloride	ND		0.12	mg/Kg-dry	50	02/29/12 06:50 PM
Xylenes, Total	ND		0.17	mg/Kg-dry	50	02/29/12 06:50 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	88.4		70-120	%REC	50	02/29/12 06:50 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	50	02/29/12 03:23 AM
<i>Surr: 4-Bromofluorobenzene</i>	99.3		75-120	%REC	50	02/29/12 06:50 PM
<i>Surr: 4-Bromofluorobenzene</i>	98.8		75-120	%REC	50	02/29/12 03:23 AM
<i>Surr: Dibromofluoromethane</i>	91.5		85-115	%REC	50	02/29/12 06:50 PM
<i>Surr: Dibromofluoromethane</i>	94.4		85-115	%REC	50	02/29/12 03:23 AM
<i>Surr: Toluene-d8</i>	100		85-115	%REC	50	02/29/12 03:23 AM
<i>Surr: Toluene-d8</i>	97.2		85-115	%REC	50	02/29/12 06:50 PM

**CHROMIUM, HEXAVALENT**

Chromium, Hexavalent

ND

**SW7196A**

0.57 mg/Kg-dry

Prep Date: **02/24/12**

1

Analyst: **MB**

02/27/12 04:00 PM

**MOISTURE**

**A2540 G**

Analyst: **CG**

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

**ALS Group USA, Corp**

**Date:** 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-23

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** SOIL

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
Moisture	14		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-24

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0056	mg/Kg-dry	1	02/29/12 08:48 PM
2,4,5-TP (Silvex)	ND		0.011	mg/Kg-dry	1	02/29/12 08:48 PM
2,4-D	ND		0.0056	mg/Kg-dry	1	02/29/12 08:48 PM
Surr: DCAA	79.6		30-150	%REC	1	02/29/12 08:48 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Aroclor 1221	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Aroclor 1232	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Aroclor 1242	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Aroclor 1248	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Aroclor 1254	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Aroclor 1260	ND		0.044	mg/Kg-dry	1	02/28/12 09:07 PM
Surr: Decachlorobiphenyl	68.1		40-140	%REC	1	02/28/12 09:07 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
4,4'-DDE	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
4,4'-DDT	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Aldrin	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
alpha-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
alpha-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
beta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Chlordane, Technical	ND		0.027	mg/Kg-dry	1	03/01/12 10:01 PM
delta-BHC	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Dieldrin	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Endosulfan I	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Endosulfan II	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Endosulfan sulfate	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Endrin	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Endrin aldehyde	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Endrin ketone	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
gamma-BHC (Lindane)	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
gamma-Chlordane	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Heptachlor	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Heptachlor epoxide	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Methoxychlor	ND		0.011	mg/Kg-dry	1	03/01/12 10:01 PM
Toxaphene	ND		0.066	mg/Kg-dry	1	03/01/12 10:01 PM
Surr: Decachlorobiphenyl	70.1		45-135	%REC	1	03/01/12 10:01 PM
Surr: Tetrachloro-m-xylene	70.1		45-124	%REC	1	03/01/12 10:01 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-24

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>LR</b>
Mercury	0.028		0.020	mg/Kg-dry	1	02/28/12 05:39 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	6,800		16	mg/Kg-dry	20	03/01/12 06:16 AM
Antimony	ND		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Arsenic	7.7		0.78	mg/Kg-dry	2	02/29/12 05:56 PM
Barium	74		0.78	mg/Kg-dry	2	02/29/12 05:56 PM
Beryllium	ND		0.31	mg/Kg-dry	2	02/29/12 05:56 PM
Boron	3.5		3.1	mg/Kg-dry	2	02/29/12 05:56 PM
Cadmium	ND		0.31	mg/Kg-dry	2	02/29/12 05:56 PM
Calcium	60,000		780	mg/Kg-dry	20	02/29/12 05:50 PM
Chromium	11		0.78	mg/Kg-dry	2	02/29/12 05:56 PM
Cobalt	5.2		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Copper	8.7		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Iron	15,000		12	mg/Kg-dry	2	02/29/12 04:41 AM
Lead	8.5		0.78	mg/Kg-dry	2	02/29/12 05:56 PM
Magnesium	26,000		31	mg/Kg-dry	2	02/29/12 05:56 PM
Manganese	520		7.8	mg/Kg-dry	20	02/29/12 05:50 PM
Nickel	14		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Potassium	640		31	mg/Kg-dry	2	02/29/12 05:56 PM
Selenium	0.87		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Silver	ND		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Sodium	83		31	mg/Kg-dry	2	02/29/12 05:56 PM
Thallium	ND		0.78	mg/Kg-dry	2	02/29/12 05:56 PM
Vanadium	24		0.78	mg/Kg-dry	2	02/29/12 04:41 AM
Zinc	30		1.6	mg/Kg-dry	2	02/29/12 04:41 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,1'-Biphenyl	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
2,4,5-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
2,4,6-Trichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
2,4-Dichlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
2,4-Dimethylphenol	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
2,4-Dinitrophenol	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
2,4-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
2,6-Dinitrotoluene	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
2-Chloronaphthalene	ND		0.091	mg/Kg-dry	1	02/28/12 10:21 PM
2-Chlorophenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
2-Methylnaphthalene	ND		0.091	mg/Kg-dry	1	02/28/12 10:21 PM
2-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-24

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Nitroaniline	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
2-Nitrophenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
3,3'-Dichlorobenzidine	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
3-Nitroaniline	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
4,6-Dinitro-2-methylphenol	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
4-Bromophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
4-Chloro-3-methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
4-Chloroaniline	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
4-Chlorophenyl phenyl ether	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
4-Methylphenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
4-Nitroaniline	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
4-Nitrophenol	ND		0.75	mg/Kg-dry	1	02/28/12 10:21 PM
Acenaphthene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Acenaphthylene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Acetophenone	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Atrazine	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Benzaldehyde	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Benzo(a)anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Benzo(a)pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Benzo(b)fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Benzo(g,h,i)perylene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Benzo(k)fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Bis(2-chloroethoxy)methane	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Bis(2-chloroethyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Bis(2-chloroisopropyl)ether	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.0</b>		<b>0.38</b>	<b>mg/Kg-dry</b>	1	02/28/12 10:21 PM
Butyl benzyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Caprolactam	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Carbazole	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Chrysene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Dibenzo(a,h)anthracene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Dibenzofuran	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Diethyl phthalate	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Dimethyl phthalate	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
<b>Di-n-butyl phthalate</b>	<b>0.49</b>		<b>0.38</b>	<b>mg/Kg-dry</b>	1	02/28/12 10:21 PM
Di-n-octyl phthalate	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Fluoranthene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Fluorene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Hexachlorobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-24

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Hexachlorocyclopentadiene	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Hexachloroethane	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Indeno(1,2,3-cd)pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Isophorone	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Naphthalene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Nitrobenzene	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
N-Nitrosodi-n-propylamine	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
N-Nitrosodiphenylamine	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Pentachlorophenol	ND		0.38	mg/Kg-dry	1	02/28/12 10:21 PM
Phenanthrene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Phenol	ND		0.18	mg/Kg-dry	1	02/28/12 10:21 PM
Pyrene	ND		0.034	mg/Kg-dry	1	02/28/12 10:21 PM
Surr: 2,4,6-Tribromophenol	88.4		34-140	%REC	1	02/28/12 10:21 PM
Surr: 2-Fluorobiphenyl	62.8		12-100	%REC	1	02/28/12 10:21 PM
Surr: 2-Fluorophenol	66.7		33-117	%REC	1	02/28/12 10:21 PM
Surr: 4-Terphenyl-d14	86.0		25-137	%REC	1	02/28/12 10:21 PM
Surr: Nitrobenzene-d5	55.1		37-107	%REC	1	02/28/12 10:21 PM
Surr: Phenol-d6	68.0		40-106	%REC	1	02/28/12 10:21 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: BG

1,1,1-Trichloroethane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,1,2,2-Tetrachloroethane	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
1,1,2-Trichloroethane	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
1,1,2-Trichlorotrifluoroethane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,1-Dichloroethane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,1-Dichloroethene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,2,4-Trichlorobenzene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,2-Dibromo-3-chloropropane	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
1,2-Dibromoethane	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
1,2-Dichlorobenzene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,2-Dichloroethane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,2-Dichloropropane	ND		0.20	mg/Kg-dry	50	02/29/12 07:15 PM
1,3-Dichlorobenzene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
1,4-Dichlorobenzene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
2-Butanone	ND		0.43	mg/Kg-dry	50	02/29/12 07:15 PM
2-Hexanone	ND		0.29	mg/Kg-dry	50	02/29/12 07:15 PM
4-Methyl-2-pentanone	ND		0.29	mg/Kg-dry	50	02/29/12 07:15 PM
Acetone	ND		0.26	mg/Kg-dry	50	02/29/12 07:15 PM
Benzene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Bromodichloromethane	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-24

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromoform	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Bromomethane	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
Carbon disulfide	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
Carbon tetrachloride	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Chlorobenzene	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
Chloroethane	ND		0.17	mg/Kg-dry	50	02/29/12 07:15 PM
Chloroform	ND		0.057	mg/Kg-dry	50	02/29/12 03:47 AM
Chloromethane	ND		0.17	mg/Kg-dry	50	02/29/12 07:15 PM
cis-1,2-Dichloroethene	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
cis-1,3-Dichloropropene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Cyclohexane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Dibromochloromethane	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
Dichlorodifluoromethane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Ethylbenzene	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
Isopropylbenzene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Methyl acetate	ND		0.057	mg/Kg-dry	50	02/29/12 03:47 AM
Methyl tert-butyl ether	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
Methylcyclohexane	ND		1.1	mg/Kg-dry	50	02/29/12 07:15 PM
Methylene chloride	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
Styrene	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
Tetrachloroethene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Toluene	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
trans-1,2-Dichloroethene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
trans-1,3-Dichloropropene	ND		0.086	mg/Kg-dry	50	02/29/12 07:15 PM
Trichloroethene	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Trichlorofluoromethane	ND		0.057	mg/Kg-dry	50	02/29/12 07:15 PM
Vinyl chloride	ND		0.11	mg/Kg-dry	50	02/29/12 07:15 PM
Xylenes, Total	ND		0.17	mg/Kg-dry	50	02/29/12 07:15 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	87.6		70-120	%REC	50	02/29/12 07:15 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	50	02/29/12 03:47 AM
<i>Surr: 4-Bromofluorobenzene</i>	107		75-120	%REC	50	02/29/12 07:15 PM
<i>Surr: 4-Bromofluorobenzene</i>	98.9		75-120	%REC	50	02/29/12 03:47 AM
<i>Surr: Dibromofluoromethane</i>	89.8		85-115	%REC	50	02/29/12 07:15 PM
<i>Surr: Dibromofluoromethane</i>	93.0		85-115	%REC	50	02/29/12 03:47 AM
<i>Surr: Toluene-d8</i>	99.9		85-115	%REC	50	02/29/12 03:47 AM
<i>Surr: Toluene-d8</i>	95.3		85-115	%REC	50	02/29/12 07:15 PM

**CHROMIUM, HEXAVALENT**

Chromium, Hexavalent

ND

**SW7196A**

0.56 mg/Kg-dry

Prep Date: 02/24/12

1

Analyst: MB

02/27/12 04:00 PM

**MOISTURE**

**A2540 G**

Analyst: CG

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



**ALS Group USA, Corp**

**Date:** 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-24

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** SOIL

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
Moisture	13		0.050	% of sample	1	02/23/12 04:08 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-25

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 03:08 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 03:08 PM
Surr: DCAA	87.8		30-150	%REC	1	02/29/12 03:08 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 03:45 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 03:45 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 03:45 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 03:45 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 03:45 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 03:45 AM
Surr: Decachlorobiphenyl	77.0		30-135	%REC	1	03/02/12 03:45 AM
Surr: Tetrachloro-m-xylene	66.0		25-140	%REC	1	03/02/12 03:45 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:20 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 03:05 AM
<b>Barium</b>	<b>0.77</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 03:05 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:05 AM
Chromium	ND		0.020	mg/L	1	02/29/12 03:05 AM
Lead	ND		0.010	mg/L	1	02/29/12 03:05 AM
Selenium	ND		0.020	mg/L	1	02/29/12 03:05 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:05 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 06:15 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 06:15 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 06:15 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 06:15 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 06:15 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 06:15 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 06:15 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 06:15 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 06:15 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 06:15 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 06:15 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 06:15 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 06:15 PM
Surr: 2,4,6-Tribromophenol	75.1		21-125	%REC	1	02/28/12 06:15 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B04-S01-022012

**Lab ID:** 1202641-25

**Collection Date:** 02/20/12 10:45 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	66.2		39-94	%REC	1	02/28/12 06:15 PM
<i>Surr: 2-Fluorophenol</i>	54.5		10-75	%REC	1	02/28/12 06:15 PM
<i>Surr: 4-Terphenyl-d14</i>	81.2		26-119	%REC	1	02/28/12 06:15 PM
<i>Surr: Nitrobenzene-d5</i>	77.7		41-104	%REC	1	02/28/12 06:15 PM
<i>Surr: Phenol-d6</i>	34.4		11-50	%REC	1	02/28/12 06:15 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 07:09 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 07:09 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 07:09 AM
Benzene	ND		0.020	mg/L	20	03/02/12 07:09 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 07:09 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 07:09 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 07:09 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 07:09 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 07:09 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 07:09 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-130	%REC	20	03/02/12 07:09 AM
<i>Surr: 4-Bromofluorobenzene</i>	96.6		70-130	%REC	20	03/02/12 07:09 AM
<i>Surr: Dibromofluoromethane</i>	99.2		70-130	%REC	20	03/02/12 07:09 AM
<i>Surr: Toluene-d8</i>	102		70-130	%REC	20	03/02/12 07:09 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-26

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 03:17 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 03:17 PM
Surr: DCAA	94.4		30-150	%REC	1	02/29/12 03:17 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 04:00 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 04:00 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 04:00 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 04:00 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 04:00 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 04:00 AM
Surr: Decachlorobiphenyl	78.0		30-135	%REC	1	03/02/12 04:00 AM
Surr: Tetrachloro-m-xylene	49.0		25-140	%REC	1	03/02/12 04:00 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:23 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 03:10 AM
<b>Barium</b>	<b>1.5</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 03:10 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:10 AM
Chromium	ND		0.020	mg/L	1	02/29/12 03:10 AM
Lead	ND		0.010	mg/L	1	02/29/12 03:10 AM
Selenium	ND		0.020	mg/L	1	02/29/12 03:10 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:10 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 06:47 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 06:47 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 06:47 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 06:47 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 06:47 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 06:47 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 06:47 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 06:47 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 06:47 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 06:47 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 06:47 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 06:47 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 06:47 PM
Surr: 2,4,6-Tribromophenol	74.9		21-125	%REC	1	02/28/12 06:47 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B06-S01-022012

**Lab ID:** 1202641-26

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	64.8		39-94	%REC	1	02/28/12 06:47 PM
Surr: 2-Fluorophenol	44.8		10-75	%REC	1	02/28/12 06:47 PM
Surr: 4-Terphenyl-d14	75.0		26-119	%REC	1	02/28/12 06:47 PM
Surr: Nitrobenzene-d5	74.9		41-104	%REC	1	02/28/12 06:47 PM
Surr: Phenol-d6	29.9		11-50	%REC	1	02/28/12 06:47 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 07:32 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 07:32 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 07:32 AM
Benzene	ND		0.020	mg/L	20	03/02/12 07:32 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 07:32 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 07:32 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 07:32 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 07:32 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 07:32 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 07:32 AM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	20	03/02/12 07:32 AM
Surr: 4-Bromofluorobenzene	97.2		70-130	%REC	20	03/02/12 07:32 AM
Surr: Dibromofluoromethane	100		70-130	%REC	20	03/02/12 07:32 AM
Surr: Toluene-d8	102		70-130	%REC	20	03/02/12 07:32 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-27

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 03:26 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 03:26 PM
Surr: DCAA	103		30-150	%REC	1	02/29/12 03:26 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 04:15 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 04:15 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 04:15 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 04:15 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 04:15 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 04:15 AM
Surr: Decachlorobiphenyl	85.0		30-135	%REC	1	03/02/12 04:15 AM
Surr: Tetrachloro-m-xylene	59.0		25-140	%REC	1	03/02/12 04:15 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:25 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 03:15 AM
<b>Barium</b>	<b>1.7</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 03:15 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:15 AM
Chromium	ND		0.020	mg/L	1	02/29/12 03:15 AM
Lead	ND		0.010	mg/L	1	02/29/12 03:15 AM
Selenium	ND		0.020	mg/L	1	02/29/12 03:15 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:15 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 07:20 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 07:20 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 07:20 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 07:20 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 07:20 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 07:20 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 07:20 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 07:20 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 07:20 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 07:20 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 07:20 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 07:20 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 07:20 PM
Surr: 2,4,6-Tribromophenol	70.8		21-125	%REC	1	02/28/12 07:20 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B09-S01-022112

**Lab ID:** 1202641-27

**Collection Date:** 02/21/12 09:25 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	64.1		39-94	%REC	1	02/28/12 07:20 PM
Surr: 2-Fluorophenol	39.0		10-75	%REC	1	02/28/12 07:20 PM
Surr: 4-Terphenyl-d14	74.6		26-119	%REC	1	02/28/12 07:20 PM
Surr: Nitrobenzene-d5	74.6		41-104	%REC	1	02/28/12 07:20 PM
Surr: Phenol-d6	26.5		11-50	%REC	1	02/28/12 07:20 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 07:56 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 07:56 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 07:56 AM
Benzene	ND		0.020	mg/L	20	03/02/12 07:56 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 07:56 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 07:56 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 07:56 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 07:56 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 07:56 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 07:56 AM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	20	03/02/12 07:56 AM
Surr: 4-Bromofluorobenzene	95.7		70-130	%REC	20	03/02/12 07:56 AM
Surr: Dibromofluoromethane	99.9		70-130	%REC	20	03/02/12 07:56 AM
Surr: Toluene-d8	102		70-130	%REC	20	03/02/12 07:56 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-28

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 03:36 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 03:36 PM
Surr: DCAA	99.8		30-150	%REC	1	02/29/12 03:36 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 04:30 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 04:30 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 04:30 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 04:30 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 04:30 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 04:30 AM
Surr: Decachlorobiphenyl	85.0		30-135	%REC	1	03/02/12 04:30 AM
Surr: Tetrachloro-m-xylene	60.0		25-140	%REC	1	03/02/12 04:30 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:28 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 03:20 AM
<b>Barium</b>	<b>1.2</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 03:20 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:20 AM
Chromium	ND		0.020	mg/L	1	02/29/12 03:20 AM
Lead	ND		0.010	mg/L	1	02/29/12 03:20 AM
Selenium	ND		0.020	mg/L	1	02/29/12 03:20 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:20 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 07:53 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 07:53 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 07:53 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 07:53 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 07:53 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 07:53 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 07:53 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 07:53 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 07:53 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 07:53 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 07:53 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 07:53 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 07:53 PM
Surr: 2,4,6-Tribromophenol	75.7		21-125	%REC	1	02/28/12 07:53 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GD-B10-S01-022112

**Lab ID:** 1202641-28

**Collection Date:** 02/21/12 08:50 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	65.7		39-94	%REC	1	02/28/12 07:53 PM
<i>Surr: 2-Fluorophenol</i>	50.9		10-75	%REC	1	02/28/12 07:53 PM
<i>Surr: 4-Terphenyl-d14</i>	76.0		26-119	%REC	1	02/28/12 07:53 PM
<i>Surr: Nitrobenzene-d5</i>	77.7		41-104	%REC	1	02/28/12 07:53 PM
<i>Surr: Phenol-d6</i>	33.9		11-50	%REC	1	02/28/12 07:53 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 08:20 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 08:20 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 08:20 AM
Benzene	ND		0.020	mg/L	20	03/02/12 08:20 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 08:20 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 08:20 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 08:20 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 08:20 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 08:20 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 08:20 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-130	%REC	20	03/02/12 08:20 AM
<i>Surr: 4-Bromofluorobenzene</i>	95.9		70-130	%REC	20	03/02/12 08:20 AM
<i>Surr: Dibromofluoromethane</i>	99.3		70-130	%REC	20	03/02/12 08:20 AM
<i>Surr: Toluene-d8</i>	101		70-130	%REC	20	03/02/12 08:20 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-29

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 03:45 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 03:45 PM
Surr: DCAA	71.2		30-150	%REC	1	02/29/12 03:45 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 04:45 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 04:45 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 04:45 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 04:45 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 04:45 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 04:45 AM
Surr: Decachlorobiphenyl	88.0		30-135	%REC	1	03/02/12 04:45 AM
Surr: Tetrachloro-m-xylene	67.0		25-140	%REC	1	03/02/12 04:45 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:30 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	03/01/12 05:10 PM
Barium	<b>0.42</b>		<b>0.050</b>	<b>mg/L</b>	1	03/01/12 05:10 PM
Cadmium	<b>0.0020</b>		<b>0.0020</b>	<b>mg/L</b>	1	03/01/12 05:10 PM
Chromium	ND		0.020	mg/L	1	03/01/12 05:10 PM
Lead	ND		0.010	mg/L	1	03/01/12 05:10 PM
Selenium	ND		0.020	mg/L	1	03/01/12 05:10 PM
Silver	ND		0.0050	mg/L	1	03/01/12 05:10 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 08:27 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 08:27 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 08:27 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 08:27 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 08:27 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 08:27 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 08:27 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 08:27 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 08:27 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 08:27 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 08:27 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 08:27 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 08:27 PM
Surr: 2,4,6-Tribromophenol	78.0		21-125	%REC	1	02/28/12 08:27 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B03-S01-022112

**Lab ID:** 1202641-29

**Collection Date:** 02/21/12 02:15 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	70.6		39-94	%REC	1	02/28/12 08:27 PM
Surr: 2-Fluorophenol	49.5		10-75	%REC	1	02/28/12 08:27 PM
Surr: 4-Terphenyl-d14	61.9		26-119	%REC	1	02/28/12 08:27 PM
Surr: Nitrobenzene-d5	86.6		41-104	%REC	1	02/28/12 08:27 PM
Surr: Phenol-d6	33.7		11-50	%REC	1	02/28/12 08:27 PM

**TCLP VOLATILE ORGANICS**

**SW8260**

Prep Date: 02/25/12

Analyst: RS

1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 08:44 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 08:44 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 08:44 AM
Benzene	ND		0.020	mg/L	20	03/02/12 08:44 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 08:44 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 08:44 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 08:44 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 08:44 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 08:44 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 08:44 AM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	20	03/02/12 08:44 AM
Surr: 4-Bromofluorobenzene	96.0		70-130	%REC	20	03/02/12 08:44 AM
Surr: Dibromofluoromethane	99.1		70-130	%REC	20	03/02/12 08:44 AM
Surr: Toluene-d8	102		70-130	%REC	20	03/02/12 08:44 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-30

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 03:54 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 03:54 PM
Surr: DCAA	91.6		30-150	%REC	1	02/29/12 03:54 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0050	mg/L	1	03/02/12 05:00 AM
Endrin	ND		0.00050	mg/L	1	03/02/12 05:00 AM
gamma-BHC (Lindane)	ND		0.00025	mg/L	1	03/02/12 05:00 AM
Heptachlor	ND		0.00025	mg/L	1	03/02/12 05:00 AM
Methoxychlor	ND		0.0025	mg/L	1	03/02/12 05:00 AM
Toxaphene	ND		0.020	mg/L	1	03/02/12 05:00 AM
Surr: Decachlorobiphenyl	92.0		30-135	%REC	1	03/02/12 05:00 AM
Surr: Tetrachloro-m-xylene	70.0		25-140	%REC	1	03/02/12 05:00 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.0020	mg/L	1	02/27/12 12:37 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Arsenic	ND		0.010	mg/L	1	02/29/12 03:25 AM
<b>Barium</b>	<b>1.5</b>		<b>0.050</b>	<b>mg/L</b>	1	02/29/12 03:25 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:25 AM
Chromium	ND		0.020	mg/L	1	02/29/12 03:25 AM
Lead	ND		0.010	mg/L	1	02/29/12 03:25 AM
Selenium	ND		0.020	mg/L	1	02/29/12 03:25 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:25 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>HL</b>
1,4-Dichlorobenzene	ND		0.10	mg/L	1	02/28/12 09:00 PM
2,4,5-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 09:00 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	1	02/28/12 09:00 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	1	02/28/12 09:00 PM
Hexachloro-1,3-butadiene	ND		0.10	mg/L	1	02/28/12 09:00 PM
Hexachlorobenzene	ND		0.10	mg/L	1	02/28/12 09:00 PM
Hexachloroethane	ND		0.10	mg/L	1	02/28/12 09:00 PM
m-Cresol	ND		0.10	mg/L	1	02/28/12 09:00 PM
Nitrobenzene	ND		0.10	mg/L	1	02/28/12 09:00 PM
o-Cresol	ND		0.10	mg/L	1	02/28/12 09:00 PM
p-Cresol	ND		0.10	mg/L	1	02/28/12 09:00 PM
Pentachlorophenol	ND		0.40	mg/L	1	02/28/12 09:00 PM
Pyridine	ND		0.40	mg/L	1	02/28/12 09:00 PM
Surr: 2,4,6-Tribromophenol	76.1		21-125	%REC	1	02/28/12 09:00 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** GC-B04-S01-022112

**Lab ID:** 1202641-30

**Collection Date:** 02/21/12 03:15 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	67.8		39-94	%REC	1	02/28/12 09:00 PM
<i>Surr: 2-Fluorophenol</i>	46.1		10-75	%REC	1	02/28/12 09:00 PM
<i>Surr: 4-Terphenyl-d14</i>	63.6		26-119	%REC	1	02/28/12 09:00 PM
<i>Surr: Nitrobenzene-d5</i>	81.1		41-104	%REC	1	02/28/12 09:00 PM
<i>Surr: Phenol-d6</i>	31.8		11-50	%REC	1	02/28/12 09:00 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.020	mg/L	20	03/02/12 09:09 AM
1,2-Dichloroethane	ND		0.020	mg/L	20	03/02/12 09:09 AM
2-Butanone	ND		0.20	mg/L	20	03/02/12 09:09 AM
Benzene	ND		0.020	mg/L	20	03/02/12 09:09 AM
Carbon tetrachloride	ND		0.020	mg/L	20	03/02/12 09:09 AM
Chlorobenzene	ND		0.020	mg/L	20	03/02/12 09:09 AM
Chloroform	ND		0.020	mg/L	20	03/02/12 09:09 AM
Tetrachloroethene	ND		0.020	mg/L	20	03/02/12 09:09 AM
Trichloroethene	ND		0.020	mg/L	20	03/02/12 09:09 AM
Vinyl chloride	ND		0.020	mg/L	20	03/02/12 09:09 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	101		70-130	%REC	20	03/02/12 09:09 AM
<i>Surr: 4-Bromofluorobenzene</i>	95.9		70-130	%REC	20	03/02/12 09:09 AM
<i>Surr: Dibromofluoromethane</i>	100		70-130	%REC	20	03/02/12 09:09 AM
<i>Surr: Toluene-d8</i>	102		70-130	%REC	20	03/02/12 09:09 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** Trip Blank

**Lab ID:** 1202641-31

**Collection Date:** 02/20/12

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>BG</b>
1,1,1-Trichloroethane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,1,2,2-Tetrachloroethane	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
1,1,2-Trichloroethane	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
1,1,2-Trichlorotrifluoroethane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,1-Dichloroethane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,1-Dichloroethene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,2,4-Trichlorobenzene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,2-Dibromo-3-chloropropane	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
1,2-Dibromoethane	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
1,2-Dichlorobenzene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,2-Dichloroethane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,2-Dichloropropane	ND		0.18	mg/Kg	50	02/29/12 07:40 PM
1,3-Dichlorobenzene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
1,4-Dichlorobenzene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
2-Butanone	ND		0.38	mg/Kg	50	02/29/12 07:40 PM
2-Hexanone	ND		0.25	mg/Kg	50	02/29/12 07:40 PM
4-Methyl-2-pentanone	ND		0.25	mg/Kg	50	02/29/12 07:40 PM
Acetone	ND		0.22	mg/Kg	50	02/29/12 07:40 PM
Benzene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Bromodichloromethane	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Bromoform	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Bromomethane	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Carbon disulfide	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Carbon tetrachloride	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Chlorobenzene	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Chloroethane	ND		0.15	mg/Kg	50	02/29/12 07:40 PM
Chloroform	ND		0.050	mg/Kg	50	02/29/12 04:10 AM
Chloromethane	ND		0.15	mg/Kg	50	02/29/12 07:40 PM
cis-1,2-Dichloroethene	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
cis-1,3-Dichloropropene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Cyclohexane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Dibromochloromethane	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
Dichlorodifluoromethane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Ethylbenzene	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
Isopropylbenzene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Methyl acetate	ND		0.15	mg/Kg	50	02/29/12 04:10 AM
Methyl tert-butyl ether	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Methylcyclohexane	ND		1.0	mg/Kg	50	02/29/12 07:40 PM
Methylene chloride	ND		0.10	mg/Kg	50	02/29/12 07:40 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202641

**Sample ID:** Trip Blank

**Lab ID:** 1202641-31

**Collection Date:** 02/20/12

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Tetrachloroethene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Toluene	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
trans-1,2-Dichloroethene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
trans-1,3-Dichloropropene	ND		0.075	mg/Kg	50	02/29/12 07:40 PM
Trichloroethene	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Trichlorofluoromethane	ND		0.050	mg/Kg	50	02/29/12 07:40 PM
Vinyl chloride	ND		0.10	mg/Kg	50	02/29/12 07:40 PM
Xylenes, Total	ND		0.15	mg/Kg	50	02/29/12 07:40 PM
Surr: 1,2-Dichloroethane-d4	89.0		70-120	%REC	50	02/29/12 07:40 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	50	02/29/12 04:10 AM
Surr: 4-Bromofluorobenzene	95.8		75-120	%REC	50	02/29/12 07:40 PM
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	50	02/29/12 04:10 AM
Surr: Dibromofluoromethane	90.8		85-115	%REC	50	02/29/12 07:40 PM
Surr: Dibromofluoromethane	94.0		85-115	%REC	50	02/29/12 04:10 AM
Surr: Toluene-d8	100		85-115	%REC	50	02/29/12 04:10 AM
Surr: Toluene-d8	95.0		85-115	%REC	50	02/29/12 07:40 PM

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

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

**Date:** March 21, 2012

**Laboratory:** ALS Environmental (ALS), Holland, Michigan

**Laboratory Project #:** 1202642 and 1202643

**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 six water samples plus six trip blanks 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 7470A
- TCLP Metals by SW-846 Methods 1311, 6020A, and 7470A
- Flashpoint by ASTM D93
- pH by SW-846 Method 9040

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.



## VOCs by SW-846 METHOD 8260

### 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/29/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/29/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/29/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/29/2012
Trip Blank #1	1202642-09	Water	2/20/2012	2/29/2012
Trip Blank #2	1202642-10	Water	2/20/2012	2/29/2012
Trip Blank #3	1202642-11	Water	2/20/2012	3/2/2012
Trip Blank #4	1202642-12	Water	2/20/2012	3/2/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/29/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	3/2/2012
Trip Blank #1	1202643-05	Water	2/21/2012	2/29/2012
Trip Blank #2	1202643-06	Water	2/21/2012	2/29/2012

### 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 were free of target compound contamination above the reporting limit except for as follows. Chloroform was detected in the method blank. However, chloroform was not detected in the samples and no qualification was required.

In addition, the trip blanks contained no detections of target analytes.

### 4. Surrogate Results

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

**5. Laboratory Control Sample (LCS) Results**

The LCS and LCS duplicate (LCSD) recoveries and relative percent differences (RPD) were within laboratory QC limits except for as follows. A couple of VOCs had recoveries above the QC limits. Because these VOCs were not detected in the samples, no qualifications were required.

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

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits except for chlorethane which was detected above the QC limit. Because chloroethane was not detected in the samples, no qualification was warranted.

**7. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

The VOC data are acceptable for use 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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-05	Water	2/20/2012	2/29/2012
AL-MW7-W01-022012	1202642-06	Water	2/20/2012	2/29/2012
AL-MW7-W01-022012-DP	1202642-07	Water	2/20/2012	2/29/2012
AL-MW12-W01-022012	1202642-08	Water	2/20/2012	2/29/2012
GD-B06-W01-022112	1202643-03	Water	2/21/2012	2/29/2012
AL-MW2-W01-022112	1202643-04	Water	2/21/2012	3/2/2012

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 were free of target compound contamination above the reporting limit except for as follows. Chloroform was detected in the method blank. However, chloroform was not detected in the samples and no qualification was required.

4. **Surrogate Results**

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

5. **LCS Results**

The LCS and LCSD recoveries and RPDs were within laboratory QC limits except for as follows. A couple of VOCs had recoveries above the QC limits. Because these VOCs were not detected in the samples, no qualifications were required.

6. **MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits except for chlorethane which was detected above the QC limit. Because chloroethane was not detected in the samples, no qualification was warranted.

7. **Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/24/2012	2/27/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/24/2012	2/27/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	2/27/2012	2/28/2012

### 2. Holding Times

The samples were analyzed within the required holding time limit of 7 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.

### 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 low. No qualifications are required for only one surrogate being outside QC limits.

### 5. LCS Results

The percent recoveries and RPDs for the LCS and LCSD results were within the laboratory-established QC limits except for as follows. Two target SVOCs were detected above the QC limit for percent recovery and some RPDs were slightly exceeded. However, these compounds were not detected in the samples and no qualifications are warranted.

**6. MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The recoveries and RPDs were within QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

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

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-05	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW7-W01-022012	1202642-06	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW7-W01-022012-DP	1202642-07	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW12-W01-022012	1202642-08	Water	2/20/2012	2/24/2012	2/27/2012
GD-B06-W01-022112	1202643-03	Water	2/21/2012	2/24/2012	2/27/2012
AL-MW2-W01-022112	1202643-04	Water	2/21/2012	2/24/2012	2/28/2012

**2. Holding Times**

The samples were analyzed within the required holding time limit of 7 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.

**5. LCS Results**

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

**6. MS and MSD Results**

An MS and MSD were not analyzed using a sample from this work order; therefore matrix interferences could not be evaluated for samples in this work order using the MS/MSD.

**7. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/24/2012	2/26/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/24/2012	2/26/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	2/24/2012	2/26/2012

2. **Holding Times**

The samples were analyzed within the required holding time limit of 7 days from sample collection to extraction and 40 days from extraction to analysis.

3. **Blanks**

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

4. **Surrogates**

The surrogate recoveries were within QC limits.

5. **LCS Results**

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

6. **MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.

7. **Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

8. **Overall Assessment**

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

## PESTICIDES BY U.S. EPA SW-846 METHOD 8081

### 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/24/2012	2/26/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/24/2012	2/26/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	2/24/2012	2/26/2012

### 2. Holding Times

The samples were analyzed within the required holding time limit of 7 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.

### 5. LCS Results

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

### 6. MS and MSD Results

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.



**7. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/24/2012	2/26/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/24/2012	2/26/2012
GD-B06-W01-022112	1202643-03	Water	2/21/2012	2/24/2012	2/26/2012
AL-MW2-W01-022112	1202643-04	Water	2/21/2012	2/24/2012	2/26/2012

**2. Holding Times**

The samples were analyzed within the required holding time limit of 7 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

**6. MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**8. Overall Assessment**

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

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

**1. Samples**

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/24/2012	2/27/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/24/2012	2/27/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/24/2012	2/27/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	2/24/2012	2/27/2012

**2. Holding Times**

The samples were analyzed within the required holding time limit of 7 days from sample collection to extraction and 40 days from extraction to analysis.

**3. Blanks**

Method blanks were analyzed with the 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

**6. MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.

**7. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/28/2012	2/29/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/29/2012	3/1/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/29/2012	3/1/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/29/2012	3/1/2012
GD-B06-W01-022112	1202643-03	Water	2/21/2012	2/29/2012	3/1/2012
AL-MW2-W01-022112	1202643-04	Water	2/21/2012	2/29/2012	3/1/2012

### 2. Holding Times

The samples were not analyzed within the required holding time limit of 7 days from sample collection to extraction and 40 days from extraction to analysis. Specifically, the extraction holding time limit was exceeded by 1 to 2 days. Because total herbicides were not detected in the samples, TCLP herbicides are not expected. No qualifications were applied.

### 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 and LCSD recoveries and RPDs were within the laboratory-established QC limits.

### 6. MS and MSD Results

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.

## 7. Field Duplicate Results

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. Both the field duplicate and parent sample contained no detections of target analytes above the reporting limit.

## 8. Overall Assessment

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

### TOTAL METALS BY SW-846 METHODS 6020A AND 7470A

## 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/27/2012 – 3/2/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/27/2012 – 3/2/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/29/2012 – 3/2/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/29/2012 – 3/2/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/29/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	2/29/2012 – 3/1/2012

## 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.

**4. LCS Results**

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

**5. MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.

**6. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. RPDs were calculated for detected metals. The RPDs ranged from 5 to 50 percent which is acceptable.

**7. Overall Assessment**

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

**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.

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/27/2012 – 3/2/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/27/2012 – 3/2/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/29/2012 – 3/2/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/29/2012 – 3/2/2012
GD-B06-W01-022112	1202643-03	Water	2/21/2012	2/29/2012
AL-MW2-W01-022112	1202643-04	Water	2/21/2012	2/29/2012

**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 TCLP 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.

**4. LCS Results**

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

**5. MS and MSD Results**

An MS and MSD were analyzed using sample AL-MW2-W01-022112 as the spiked sample. The percent recoveries and RPDs were within QC limits.

**6. Field Duplicate Results**

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. RPDs were calculated for detected metals. The RPDs ranged from 5 to 26 percent which is acceptable.

**7. Overall Assessment**

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

## GENERAL CHEMISTRY PARAMETERS (Flashpoint by ASTM D93 and pH by SW-846 9040)

### 1. Samples

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
AL-MW4-W01-022012	1202642-01	Water	2/20/2012	2/23/2012 – 3/1/2012
AL-MW7-W01-022012	1202642-02	Water	2/20/2012	2/23/2012 – 3/1/2012
AL-MW7-W01-022012-DP	1202642-03	Water	2/20/2012	2/23/2012 – 3/1/2012
AL-MW12-W01-022012	1202642-04	Water	2/20/2012	2/23/2012 – 3/1/2012
GD-B06-W01-022112	1202643-01	Water	2/21/2012	2/23/2012 – 3/1/2012
AL-MW2-W01-022112	1202643-02	Water	2/21/2012	2/23/2012 – 3/1/2012

### 2. Holding Times

The methods state that flashpoint and pH should be analyzed as soon as possible. For pH, the sample was analyzed 3 days from collection. No qualification was applied

The flashpoint analysis holding time is fairly high at approximately 10 days. However, because this is a water sample, the sample is not expected to flash and no qualifications were applied.

### 3. LCS Results

The percent recoveries for the LCSs were within QC limits.

### 5. Laboratory Duplicate Results

The laboratory duplicate RPDs were within QC limits.

### 6. Field Duplicate Results

There is one field duplicate associated with these work orders: AL-MW7-W01-022012-DP. The correlation between the field duplicate and parent sample were acceptable.

### 7. Overall Assessment

The pH and flashpoint data are acceptable for use based on the information received.



Data Validation Report  
Eastern Sandusky County Dumps Site  
ALS Environmental  
Laboratory Project #: 1202642 and 1202643

**ATTACHMENT**

**ALS ENVIRONMENTAL  
RESULTS SUMMARY WITH QUALIFIERS**

Client: Weston Solutions, Inc  
Project: 20405.016.001.17XX.00/ E Sandusky Co Dumps  
WorkOrder: 1202642

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
°F	Degrees Fahrenheit
mg/L	Milligrams per Liter
s.u.	Standard Units

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc  
**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps  
**Sample ID:** AL-MW4-W01-022012  
**Collection Date:** 02/20/12 02:09 PM

**Work Order:** 1202642  
**Lab ID:** 1202642-01  
**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0010	mg/L	1	02/27/12 05:29 PM
2,4,5-TP (Silvex)	ND		0.0020	mg/L	1	02/27/12 05:29 PM
2,4-D	ND		0.0020	mg/L	1	02/27/12 05:29 PM
Surr: DCAA	96.8		30-150	%REC	1	02/27/12 05:29 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Aroclor 1221	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Aroclor 1232	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Aroclor 1242	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Aroclor 1248	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Aroclor 1254	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Aroclor 1260	ND		0.00040	mg/L	1	02/26/12 08:25 PM
Surr: Decachlorobiphenyl	43.0		40-140	%REC	1	02/26/12 08:25 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.000020	mg/L	1	02/26/12 01:10 AM
4,4'-DDE	ND		0.000020	mg/L	1	02/26/12 01:10 AM
4,4'-DDT	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Aldrin	ND		0.000010	mg/L	1	02/26/12 01:10 AM
alpha-BHC	ND		0.000010	mg/L	1	02/26/12 01:10 AM
alpha-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:10 AM
beta-BHC	ND		0.000010	mg/L	1	02/26/12 01:10 AM
Chlordane, Technical	ND		0.000050	mg/L	1	02/26/12 01:10 AM
delta-BHC	ND		0.000010	mg/L	1	02/26/12 01:10 AM
Dieldrin	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Endosulfan I	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Endosulfan II	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Endosulfan sulfate	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Endrin	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Endrin aldehyde	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Endrin ketone	ND		0.000020	mg/L	1	02/26/12 01:10 AM
gamma-BHC (Lindane)	ND		0.000010	mg/L	1	02/26/12 01:10 AM
gamma-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:10 AM
Heptachlor	ND		0.000010	mg/L	1	02/26/12 01:10 AM
Heptachlor epoxide	ND		0.000010	mg/L	1	02/26/12 01:10 AM
Hexachlorobenzene	ND		0.000010	mg/L	1	02/26/12 01:10 AM
Methoxychlor	ND		0.000040	mg/L	1	02/26/12 01:10 AM
Toxaphene	ND		0.0020	mg/L	1	02/26/12 01:10 AM
Surr: Decachlorobiphenyl	42.0		30-145	%REC	1	02/26/12 01:10 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW4-W01-022012

**Lab ID:** 1202642-01

**Collection Date:** 02/20/12 02:09 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Tetrachloro-m-xylene</i>	45.0		25-140	%REC	1	02/26/12 01:10 AM
<b>MERCURY BY CVAA</b>			<b>SW7470</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/27/12 12:40 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Aluminum</b>	<b>0.081</b>		<b>0.020</b>	<b>mg/L</b>	2	03/02/12 11:48 PM
Antimony	ND		0.010	mg/L	2	03/02/12 03:38 PM
Arsenic	ND		0.010	mg/L	2	03/02/12 03:38 PM
<b>Barium</b>	<b>0.17</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
Beryllium	ND		0.0040	mg/L	2	03/02/12 03:38 PM
<b>Boron</b>	<b>46</b>		<b>2.0</b>	<b>mg/L</b>	100	03/01/12 12:37 PM
Cadmium	ND		0.0040	mg/L	2	03/02/12 03:38 PM
<b>Calcium</b>	<b>55</b>		<b>1.0</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
Chromium	ND		0.010	mg/L	2	03/02/12 03:38 PM
Cobalt	ND		0.010	mg/L	2	03/02/12 03:38 PM
<b>Copper</b>	<b>0.022</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Iron</b>	<b>1.4</b>		<b>0.16</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Lead</b>	<b>0.019</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Magnesium</b>	<b>170</b>		<b>0.40</b>	<b>mg/L</b>	2	03/02/12 11:48 PM
<b>Manganese</b>	<b>0.27</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Nickel</b>	<b>0.014</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Potassium</b>	<b>48</b>		<b>0.40</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
Selenium	ND		0.010	mg/L	2	03/02/12 03:38 PM
Silver	ND		0.010	mg/L	2	03/02/12 03:38 PM
<b>Sodium</b>	<b>95</b>		<b>0.40</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
Thallium	ND		0.010	mg/L	2	03/02/12 03:38 PM
Vanadium	ND		0.010	mg/L	2	03/02/12 03:38 PM
Zinc	ND		0.020	mg/L	2	03/02/12 03:38 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4-Dichlorophenol	ND		0.010	mg/L	1	02/27/12 01:33 PM
2,4-Dimethylphenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4-Dinitrophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,6-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2-Chloronaphthalene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2-Chlorophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	02/27/12 01:33 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW4-W01-022012

**Lab ID:** 1202642-01

**Collection Date:** 02/20/12 02:09 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2-Nitroaniline	ND		0.020	mg/L	1	02/27/12 01:33 PM
2-Nitrophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
3,3'-Dichlorobenzidine	ND		0.0050	mg/L	1	02/27/12 01:33 PM
3-Nitroaniline	ND		0.020	mg/L	1	02/27/12 01:33 PM
4,6-Dinitro-2-methylphenol	ND		0.020	mg/L	1	02/27/12 01:33 PM
4-Bromophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 01:33 PM
4-Chloro-3-methylphenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
4-Chloroaniline	ND		0.020	mg/L	1	02/27/12 01:33 PM
4-Chlorophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 01:33 PM
4-Methylphenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
4-Nitroaniline	ND		0.020	mg/L	1	02/27/12 01:33 PM
4-Nitrophenol	ND		0.020	mg/L	1	02/27/12 01:33 PM
Acenaphthene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Acenaphthylene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Acetophenone	ND		0.0010	mg/L	1	02/27/12 01:33 PM
Anthracene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Atrazine	ND		0.010	mg/L	1	02/27/12 01:33 PM
Benzaldehyde	ND		0.0010	mg/L	1	02/27/12 01:33 PM
Benzo(a)anthracene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Benzo(a)pyrene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Benzo(b)fluoranthene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Benzo(g,h,i)perylene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Benzo(k)fluoranthene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Bis(2-chloroethoxy)methane	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Bis(2-chloroethyl)ether	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Bis(2-chloroisopropyl)ether	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Bis(2-ethylhexyl)phthalate	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Butyl benzyl phthalate	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Caprolactam	ND		0.010	mg/L	1	02/27/12 01:33 PM
Carbazole	ND		0.010	mg/L	1	02/27/12 01:33 PM
Chrysene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Dibenzofuran	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Diethyl phthalate	ND		0.020	mg/L	1	02/27/12 01:33 PM
Dimethyl phthalate	ND		0.020	mg/L	1	02/27/12 01:33 PM
Di-n-butyl phthalate	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Di-n-octyl phthalate	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Fluoranthene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Fluorene	ND		0.0050	mg/L	1	02/27/12 01:33 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW4-W01-022012

**Lab ID:** 1202642-01

**Collection Date:** 02/20/12 02:09 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Hexachlorocyclopentadiene	ND		0.020	mg/L	1	02/27/12 01:33 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Isophorone	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Naphthalene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	02/27/12 01:33 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 01:33 PM
Phenanthrene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Phenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Pyrene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Surr: 2,4,6-Tribromophenol	73.9		21-125	%REC	1	02/27/12 01:33 PM
Surr: 2-Fluorobiphenyl	62.9		36-94	%REC	1	02/27/12 01:33 PM
Surr: 2-Fluorophenol	36.4		10-75	%REC	1	02/27/12 01:33 PM
Surr: 4-Terphenyl-d14	28.1		26-119	%REC	1	02/27/12 01:33 PM
Surr: Nitrobenzene-d5	71.0		41-104	%REC	1	02/27/12 01:33 PM
Surr: Phenol-d6	24.6		11-50	%REC	1	02/27/12 01:33 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 07:01 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 07:01 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 07:01 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 07:01 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 07:01 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 07:01 PM
Acetone	ND		0.020	mg/L	1	02/29/12 07:01 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW4-W01-022012

**Lab ID:** 1202642-01

**Collection Date:** 02/20/12 02:09 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 07:01 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 07:01 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 07:01 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 07:01 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 07:01 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 07:01 PM
Styrene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 07:01 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 07:01 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-120	%REC	1	02/29/12 07:01 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.8		75-120	%REC	1	02/29/12 07:01 PM
<i>Surr: Dibromofluoromethane</i>	99.0		85-115	%REC	1	02/29/12 07:01 PM
<i>Surr: Toluene-d8</i>	103		85-120	%REC	1	02/29/12 07:01 PM
<b>FLASHPOINT, P-M CLOSED-CUP</b>			<b>D93</b>			Analyst: <b>NZ</b>
Flashpoint, P-M Closed-cup	>140			°F	1	03/01/12 01:30 PM
<b>PH</b>			<b>SW9040</b>			Analyst: <b>KV</b>
pH	7.41	H		s.u.	1	02/23/12 11:00 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012

**Lab ID:** 1202642-02

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0010	mg/L	1	02/27/12 05:29 PM
2,4,5-TP (Silvex)	ND		0.0020	mg/L	1	02/27/12 05:29 PM
2,4-D	ND		0.0020	mg/L	1	02/27/12 05:29 PM
Surr: DCAA	115		30-150	%REC	1	02/27/12 05:29 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Aroclor 1221	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Aroclor 1232	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Aroclor 1242	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Aroclor 1248	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Aroclor 1254	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Aroclor 1260	ND		0.00040	mg/L	1	02/26/12 08:45 PM
Surr: Decachlorobiphenyl	53.0		40-140	%REC	1	02/26/12 08:45 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.000020	mg/L	1	02/26/12 01:25 AM
4,4'-DDE	ND		0.000020	mg/L	1	02/26/12 01:25 AM
4,4'-DDT	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Aldrin	ND		0.000010	mg/L	1	02/26/12 01:25 AM
alpha-BHC	ND		0.000010	mg/L	1	02/26/12 01:25 AM
alpha-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:25 AM
beta-BHC	ND		0.000010	mg/L	1	02/26/12 01:25 AM
Chlordane, Technical	ND		0.00050	mg/L	1	02/26/12 01:25 AM
delta-BHC	ND		0.000010	mg/L	1	02/26/12 01:25 AM
Dieldrin	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Endosulfan I	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Endosulfan II	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Endosulfan sulfate	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Endrin	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Endrin aldehyde	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Endrin ketone	ND		0.000020	mg/L	1	02/26/12 01:25 AM
gamma-BHC (Lindane)	ND		0.000010	mg/L	1	02/26/12 01:25 AM
gamma-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:25 AM
Heptachlor	ND		0.000010	mg/L	1	02/26/12 01:25 AM
Heptachlor epoxide	ND		0.000010	mg/L	1	02/26/12 01:25 AM
Hexachlorobenzene	ND		0.000010	mg/L	1	02/26/12 01:25 AM
Methoxychlor	ND		0.000040	mg/L	1	02/26/12 01:25 AM
Toxaphene	ND		0.0020	mg/L	1	02/26/12 01:25 AM
Surr: Decachlorobiphenyl	51.0		30-145	%REC	1	02/26/12 01:25 AM

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



**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc  
**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps  
**Sample ID:** AL-MW7-W01-022012  
**Collection Date:** 02/20/12 04:10 PM

**Work Order:** 1202642  
**Lab ID:** 1202642-02  
**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Tetrachloro-m-xylene</i>	45.0		25-140	%REC	1	02/26/12 01:25 AM
<b>MERCURY BY CVAA</b>			<b>SW7470</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/27/12 12:42 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Aluminum</b>	<b>0.063</b>		<b>0.040</b>	<b>mg/L</b>	4	03/02/12 11:54 PM
Antimony	ND		0.020	mg/L	4	03/02/12 11:54 PM
Arsenic	ND		0.010	mg/L	2	03/02/12 03:44 PM
<b>Barium</b>	<b>0.20</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:44 PM
Beryllium	ND		0.0080	mg/L	4	03/02/12 11:54 PM
<b>Boron</b>	<b>150</b>		<b>20</b>	<b>mg/L</b>	1000	03/01/12 12:43 PM
Cadmium	ND		0.0040	mg/L	2	03/02/12 03:44 PM
<b>Calcium</b>	<b>62</b>		<b>1.0</b>	<b>mg/L</b>	2	03/02/12 03:44 PM
Chromium	ND		0.020	mg/L	4	03/02/12 11:54 PM
Cobalt	ND		0.020	mg/L	4	03/02/12 11:54 PM
Copper	ND		0.020	mg/L	4	03/02/12 11:54 PM
<b>Iron</b>	<b>0.41</b>		<b>0.32</b>	<b>mg/L</b>	4	03/02/12 11:54 PM
Lead	ND		0.010	mg/L	2	03/02/12 03:44 PM
<b>Magnesium</b>	<b>120</b>		<b>0.80</b>	<b>mg/L</b>	4	03/02/12 11:54 PM
<b>Manganese</b>	<b>0.039</b>		<b>0.020</b>	<b>mg/L</b>	4	03/02/12 11:54 PM
Nickel	ND		0.020	mg/L	4	03/02/12 11:54 PM
<b>Potassium</b>	<b>41</b>		<b>0.40</b>	<b>mg/L</b>	2	03/02/12 03:44 PM
Selenium	ND		0.020	mg/L	4	03/02/12 11:54 PM
Silver	ND		0.020	mg/L	4	03/02/12 11:54 PM
<b>Sodium</b>	<b>300</b>		<b>200</b>	<b>mg/L</b>	1000	03/01/12 12:43 PM
Thallium	ND		0.010	mg/L	2	03/02/12 03:44 PM
Vanadium	ND		0.020	mg/L	4	03/02/12 11:54 PM
Zinc	ND		0.040	mg/L	4	03/02/12 11:54 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4-Dichlorophenol	ND		0.010	mg/L	1	02/27/12 02:02 PM
2,4-Dimethylphenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4-Dinitrophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,6-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2-Chloronaphthalene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2-Chlorophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	02/27/12 02:02 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012

**Lab ID:** 1202642-02

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2-Nitroaniline	ND		0.020	mg/L	1	02/27/12 02:02 PM
2-Nitrophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
3,3'-Dichlorobenzidine	ND		0.0050	mg/L	1	02/27/12 02:02 PM
3-Nitroaniline	ND		0.020	mg/L	1	02/27/12 02:02 PM
4,6-Dinitro-2-methylphenol	ND		0.020	mg/L	1	02/27/12 02:02 PM
4-Bromophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 02:02 PM
4-Chloro-3-methylphenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
4-Chloroaniline	ND		0.020	mg/L	1	02/27/12 02:02 PM
4-Chlorophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 02:02 PM
4-Methylphenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
4-Nitroaniline	ND		0.020	mg/L	1	02/27/12 02:02 PM
4-Nitrophenol	ND		0.020	mg/L	1	02/27/12 02:02 PM
Acenaphthene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Acenaphthylene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Acetophenone	ND		0.0010	mg/L	1	02/27/12 02:02 PM
Anthracene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Atrazine	ND		0.010	mg/L	1	02/27/12 02:02 PM
Benzaldehyde	ND		0.0010	mg/L	1	02/27/12 02:02 PM
Benzo(a)anthracene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Benzo(a)pyrene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Benzo(b)fluoranthene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Benzo(g,h,i)perylene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Benzo(k)fluoranthene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Bis(2-chloroethoxy)methane	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Bis(2-chloroethyl)ether	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Bis(2-chloroisopropyl)ether	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Bis(2-ethylhexyl)phthalate	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Butyl benzyl phthalate	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Caprolactam	ND		0.010	mg/L	1	02/27/12 02:02 PM
Carbazole	ND		0.010	mg/L	1	02/27/12 02:02 PM
Chrysene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Dibenzofuran	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Diethyl phthalate	ND		0.020	mg/L	1	02/27/12 02:02 PM
Dimethyl phthalate	ND		0.020	mg/L	1	02/27/12 02:02 PM
Di-n-butyl phthalate	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Di-n-octyl phthalate	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Fluoranthene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Fluorene	ND		0.0050	mg/L	1	02/27/12 02:02 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012

**Lab ID:** 1202642-02

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Hexachlorocyclopentadiene	ND		0.020	mg/L	1	02/27/12 02:02 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Isophorone	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Naphthalene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	02/27/12 02:02 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 02:02 PM
Phenanthrene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Phenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Pyrene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Surr: 2,4,6-Tribromophenol	66.0		21-125	%REC	1	02/27/12 02:02 PM
Surr: 2-Fluorobiphenyl	60.0		36-94	%REC	1	02/27/12 02:02 PM
Surr: 2-Fluorophenol	34.7		10-75	%REC	1	02/27/12 02:02 PM
Surr: 4-Terphenyl-d14	27.5		26-119	%REC	1	02/27/12 02:02 PM
Surr: Nitrobenzene-d5	70.8		41-104	%REC	1	02/27/12 02:02 PM
Surr: Phenol-d6	23.7		11-50	%REC	1	02/27/12 02:02 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 07:27 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 07:27 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 07:27 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 07:27 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 07:27 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 07:27 PM
Acetone	ND		0.020	mg/L	1	02/29/12 07:27 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012

**Lab ID:** 1202642-02

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 07:27 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 07:27 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 07:27 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 07:27 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 07:27 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 07:27 PM
Styrene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 07:27 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 07:27 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	105		70-120	%REC	1	02/29/12 07:27 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.4		75-120	%REC	1	02/29/12 07:27 PM
<i>Surr: Dibromofluoromethane</i>	99.3		85-115	%REC	1	02/29/12 07:27 PM
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	02/29/12 07:27 PM
<b>FLASHPOINT, P-M CLOSED-CUP</b>			<b>D93</b>			Analyst: <b>NZ</b>
Flashpoint, P-M Closed-cup	>140			°F	1	03/01/12 01:30 PM
<b>PH</b>			<b>SW9040</b>			Analyst: <b>KV</b>
pH	7.90	H		s.u.	1	02/23/12 11:00 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-03

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0010	mg/L	1	02/27/12 05:29 PM
2,4,5-TP (Silvex)	ND		0.0020	mg/L	1	02/27/12 05:29 PM
2,4-D	ND		0.0020	mg/L	1	02/27/12 05:29 PM
Surr: DCAA	109		30-150	%REC	1	02/27/12 05:29 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Aroclor 1221	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Aroclor 1232	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Aroclor 1242	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Aroclor 1248	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Aroclor 1254	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Aroclor 1260	ND		0.00040	mg/L	1	02/26/12 09:44 PM
Surr: Decachlorobiphenyl	70.0		40-140	%REC	1	02/26/12 09:44 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.000020	mg/L	1	02/26/12 01:40 AM
4,4'-DDE	ND		0.000020	mg/L	1	02/26/12 01:40 AM
4,4'-DDT	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Aldrin	ND		0.000010	mg/L	1	02/26/12 01:40 AM
alpha-BHC	ND		0.000010	mg/L	1	02/26/12 01:40 AM
alpha-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:40 AM
beta-BHC	ND		0.000010	mg/L	1	02/26/12 01:40 AM
Chlordane, Technical	ND		0.000050	mg/L	1	02/26/12 01:40 AM
delta-BHC	ND		0.000010	mg/L	1	02/26/12 01:40 AM
Dieldrin	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Endosulfan I	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Endosulfan II	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Endosulfan sulfate	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Endrin	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Endrin aldehyde	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Endrin ketone	ND		0.000020	mg/L	1	02/26/12 01:40 AM
gamma-BHC (Lindane)	ND		0.000010	mg/L	1	02/26/12 01:40 AM
gamma-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:40 AM
Heptachlor	ND		0.000010	mg/L	1	02/26/12 01:40 AM
Heptachlor epoxide	ND		0.000010	mg/L	1	02/26/12 01:40 AM
Hexachlorobenzene	ND		0.000010	mg/L	1	02/26/12 01:40 AM
Methoxychlor	ND		0.000040	mg/L	1	02/26/12 01:40 AM
Toxaphene	ND		0.0020	mg/L	1	02/26/12 01:40 AM
Surr: Decachlorobiphenyl	71.0		30-145	%REC	1	02/26/12 01:40 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-03

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Tetrachloro-m-xylene</i>	49.0		25-140	%REC	1	02/26/12 01:40 AM
<b>MERCURY BY CVAA</b>			<b>SW7470</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 11:54 AM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Aluminum</b>	<b>0.038</b>		<b>0.020</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Antimony	ND		0.010	mg/L	2	03/02/12 05:28 AM
Arsenic	ND		0.010	mg/L	2	03/02/12 05:28 AM
<b>Barium</b>	<b>0.21</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Beryllium	ND		0.0040	mg/L	2	03/02/12 05:28 AM
<b>Boron</b>	<b>160</b>		<b>20</b>	<b>mg/L</b>	1000	03/01/12 12:49 PM
Cadmium	ND		0.0040	mg/L	2	03/02/12 05:28 AM
<b>Calcium</b>	<b>57</b>		<b>1.0</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Chromium	ND		0.010	mg/L	2	03/02/12 05:28 AM
Cobalt	ND		0.010	mg/L	2	03/02/12 05:28 AM
Copper	ND		0.010	mg/L	2	03/02/12 05:28 AM
<b>Iron</b>	<b>0.66</b>		<b>0.16</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Lead	ND		0.010	mg/L	2	03/02/12 05:28 AM
<b>Magnesium</b>	<b>110</b>		<b>0.40</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
<b>Manganese</b>	<b>0.046</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Nickel	ND		0.010	mg/L	2	03/02/12 05:28 AM
<b>Potassium</b>	<b>45</b>		<b>0.40</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Selenium	ND		0.010	mg/L	2	03/02/12 05:28 AM
Silver	ND		0.010	mg/L	2	03/02/12 05:28 AM
<b>Sodium</b>	<b>330</b>		<b>200</b>	<b>mg/L</b>	1000	03/01/12 12:49 PM
Thallium	ND		0.010	mg/L	2	03/02/12 05:28 AM
Vanadium	ND		0.010	mg/L	2	03/02/12 05:28 AM
Zinc	ND		0.020	mg/L	2	03/02/12 05:28 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4-Dichlorophenol	ND		0.010	mg/L	1	02/27/12 02:32 PM
2,4-Dimethylphenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4-Dinitrophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,6-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2-Chloronaphthalene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2-Chlorophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	02/27/12 02:32 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-03

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2-Nitroaniline	ND		0.020	mg/L	1	02/27/12 02:32 PM
2-Nitrophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
3,3'-Dichlorobenzidine	ND		0.0050	mg/L	1	02/27/12 02:32 PM
3-Nitroaniline	ND		0.020	mg/L	1	02/27/12 02:32 PM
4,6-Dinitro-2-methylphenol	ND		0.020	mg/L	1	02/27/12 02:32 PM
4-Bromophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 02:32 PM
4-Chloro-3-methylphenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
4-Chloroaniline	ND		0.020	mg/L	1	02/27/12 02:32 PM
4-Chlorophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 02:32 PM
4-Methylphenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
4-Nitroaniline	ND		0.020	mg/L	1	02/27/12 02:32 PM
4-Nitrophenol	ND		0.020	mg/L	1	02/27/12 02:32 PM
Acenaphthene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Acenaphthylene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Acetophenone	ND		0.0010	mg/L	1	02/27/12 02:32 PM
Anthracene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Atrazine	ND		0.010	mg/L	1	02/27/12 02:32 PM
Benzaldehyde	ND		0.0010	mg/L	1	02/27/12 02:32 PM
Benzo(a)anthracene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Benzo(a)pyrene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Benzo(b)fluoranthene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Benzo(g,h,i)perylene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Benzo(k)fluoranthene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Bis(2-chloroethoxy)methane	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Bis(2-chloroethyl)ether	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Bis(2-chloroisopropyl)ether	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Bis(2-ethylhexyl)phthalate	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Butyl benzyl phthalate	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Caprolactam	ND		0.010	mg/L	1	02/27/12 02:32 PM
Carbazole	ND		0.010	mg/L	1	02/27/12 02:32 PM
Chrysene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Dibenzofuran	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Diethyl phthalate	ND		0.020	mg/L	1	02/27/12 02:32 PM
Dimethyl phthalate	ND		0.020	mg/L	1	02/27/12 02:32 PM
Di-n-butyl phthalate	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Di-n-octyl phthalate	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Fluoranthene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Fluorene	ND		0.0050	mg/L	1	02/27/12 02:32 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-03

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Hexachlorocyclopentadiene	ND		0.020	mg/L	1	02/27/12 02:32 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Isophorone	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Naphthalene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	02/27/12 02:32 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 02:32 PM
Phenanthrene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Phenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Pyrene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Surr: 2,4,6-Tribromophenol	64.2		21-125	%REC	1	02/27/12 02:32 PM
Surr: 2-Fluorobiphenyl	57.0		36-94	%REC	1	02/27/12 02:32 PM
Surr: 2-Fluorophenol	33.1		10-75	%REC	1	02/27/12 02:32 PM
Surr: 4-Terphenyl-d14	23.8	S	26-119	%REC	1	02/27/12 02:32 PM
Surr: Nitrobenzene-d5	69.3		41-104	%REC	1	02/27/12 02:32 PM
Surr: Phenol-d6	22.3		11-50	%REC	1	02/27/12 02:32 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 07:53 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 07:53 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 07:53 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 07:53 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 07:53 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 07:53 PM
Acetone	ND		0.020	mg/L	1	02/29/12 07:53 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-03

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 07:53 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 07:53 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 07:53 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 07:53 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 07:53 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 07:53 PM
Styrene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 07:53 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 07:53 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	1	02/29/12 07:53 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.7		75-120	%REC	1	02/29/12 07:53 PM
<i>Surr: Dibromofluoromethane</i>	98.1		85-115	%REC	1	02/29/12 07:53 PM
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	02/29/12 07:53 PM
<b>FLASHPOINT, P-M CLOSED-CUP</b>			<b>D93</b>			Analyst: <b>NZ</b>
Flashpoint, P-M Closed-cup	>140			°F	1	03/01/12 01:30 PM
<b>PH</b>			<b>SW9040</b>			Analyst: <b>KV</b>
pH	7.81	H		s.u.	1	02/23/12 11:00 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-04

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0010	mg/L	1	02/27/12 05:29 PM
2,4,5-TP (Silvex)	ND		0.0020	mg/L	1	02/27/12 05:29 PM
2,4-D	ND		0.0020	mg/L	1	02/27/12 05:29 PM
Surr: DCAA	102		30-150	%REC	1	02/27/12 05:29 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Aroclor 1221	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Aroclor 1232	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Aroclor 1242	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Aroclor 1248	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Aroclor 1254	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Aroclor 1260	ND		0.00040	mg/L	1	02/26/12 10:04 PM
Surr: Decachlorobiphenyl	82.0		40-140	%REC	1	02/26/12 10:04 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.000020	mg/L	1	02/26/12 01:54 AM
4,4'-DDE	ND		0.000020	mg/L	1	02/26/12 01:54 AM
4,4'-DDT	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Aldrin	ND		0.000010	mg/L	1	02/26/12 01:54 AM
alpha-BHC	ND		0.000010	mg/L	1	02/26/12 01:54 AM
alpha-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:54 AM
beta-BHC	ND		0.000010	mg/L	1	02/26/12 01:54 AM
Chlordane, Technical	ND		0.00050	mg/L	1	02/26/12 01:54 AM
delta-BHC	ND		0.000010	mg/L	1	02/26/12 01:54 AM
Dieldrin	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Endosulfan I	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Endosulfan II	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Endosulfan sulfate	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Endrin	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Endrin aldehyde	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Endrin ketone	ND		0.000020	mg/L	1	02/26/12 01:54 AM
gamma-BHC (Lindane)	ND		0.000010	mg/L	1	02/26/12 01:54 AM
gamma-Chlordane	ND		0.000020	mg/L	1	02/26/12 01:54 AM
Heptachlor	ND		0.000010	mg/L	1	02/26/12 01:54 AM
Heptachlor epoxide	ND		0.000010	mg/L	1	02/26/12 01:54 AM
Hexachlorobenzene	ND		0.000010	mg/L	1	02/26/12 01:54 AM
Methoxychlor	ND		0.000040	mg/L	1	02/26/12 01:54 AM
Toxaphene	ND		0.0020	mg/L	1	02/26/12 01:54 AM
Surr: Decachlorobiphenyl	62.0		30-145	%REC	1	02/26/12 01:54 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-04

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Tetrachloro-m-xylene</i>	66.0		25-140	%REC	1	02/26/12 01:54 AM
<b>MERCURY BY CVAA</b>			<b>SW7470</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 11:56 AM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Aluminum</b>	<b>0.015</b>		<b>0.010</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Antimony	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Arsenic	ND		0.0050	mg/L	1	03/02/12 05:35 AM
<b>Barium</b>	<b>0.031</b>		<b>0.0050</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Beryllium	ND		0.0020	mg/L	1	03/02/12 05:35 AM
<b>Boron</b>	<b>43</b>		<b>2.0</b>	<b>mg/L</b>	100	03/01/12 12:56 PM
Cadmium	ND		0.0020	mg/L	1	03/02/12 05:35 AM
<b>Calcium</b>	<b>51</b>		<b>0.50</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Chromium	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Cobalt	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Copper	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Iron	ND		0.080	mg/L	1	03/02/12 05:35 AM
Lead	ND		0.0050	mg/L	1	03/02/12 05:35 AM
<b>Magnesium</b>	<b>94</b>		<b>0.20</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
<b>Manganese</b>	<b>0.65</b>		<b>0.0050</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Nickel	ND		0.0050	mg/L	1	03/02/12 05:35 AM
<b>Potassium</b>	<b>10</b>		<b>0.20</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Selenium	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Silver	ND		0.0050	mg/L	1	03/02/12 05:35 AM
<b>Sodium</b>	<b>90</b>		<b>0.20</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Thallium	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Vanadium	ND		0.0050	mg/L	1	03/02/12 05:35 AM
Zinc	ND		0.010	mg/L	1	03/02/12 05:35 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4-Dichlorophenol	ND		0.010	mg/L	1	02/27/12 03:02 PM
2,4-Dimethylphenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4-Dinitrophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,6-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2-Chloronaphthalene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2-Chlorophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	02/27/12 03:02 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-04

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2-Nitroaniline	ND		0.020	mg/L	1	02/27/12 03:02 PM
2-Nitrophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
3,3'-Dichlorobenzidine	ND		0.0050	mg/L	1	02/27/12 03:02 PM
3-Nitroaniline	ND		0.020	mg/L	1	02/27/12 03:02 PM
4,6-Dinitro-2-methylphenol	ND		0.020	mg/L	1	02/27/12 03:02 PM
4-Bromophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 03:02 PM
4-Chloro-3-methylphenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
4-Chloroaniline	ND		0.020	mg/L	1	02/27/12 03:02 PM
4-Chlorophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 03:02 PM
4-Methylphenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
4-Nitroaniline	ND		0.020	mg/L	1	02/27/12 03:02 PM
4-Nitrophenol	ND		0.020	mg/L	1	02/27/12 03:02 PM
Acenaphthene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Acenaphthylene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Acetophenone	ND		0.0010	mg/L	1	02/27/12 03:02 PM
Anthracene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Atrazine	ND		0.010	mg/L	1	02/27/12 03:02 PM
Benzaldehyde	ND		0.0010	mg/L	1	02/27/12 03:02 PM
Benzo(a)anthracene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Benzo(a)pyrene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Benzo(b)fluoranthene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Benzo(g,h,i)perylene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Benzo(k)fluoranthene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Bis(2-chloroethoxy)methane	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Bis(2-chloroethyl)ether	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Bis(2-chloroisopropyl)ether	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Bis(2-ethylhexyl)phthalate	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Butyl benzyl phthalate	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Caprolactam	ND		0.010	mg/L	1	02/27/12 03:02 PM
Carbazole	ND		0.010	mg/L	1	02/27/12 03:02 PM
Chrysene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Dibenzofuran	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Diethyl phthalate	ND		0.020	mg/L	1	02/27/12 03:02 PM
Dimethyl phthalate	ND		0.020	mg/L	1	02/27/12 03:02 PM
Di-n-butyl phthalate	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Di-n-octyl phthalate	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Fluoranthene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Fluorene	ND		0.0050	mg/L	1	02/27/12 03:02 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-04

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Hexachlorocyclopentadiene	ND		0.020	mg/L	1	02/27/12 03:02 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Isophorone	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Naphthalene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	02/27/12 03:02 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 03:02 PM
Phenanthrene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Phenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Pyrene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Surr: 2,4,6-Tribromophenol	67.8		21-125	%REC	1	02/27/12 03:02 PM
Surr: 2-Fluorobiphenyl	63.5		36-94	%REC	1	02/27/12 03:02 PM
Surr: 2-Fluorophenol	34.1		10-75	%REC	1	02/27/12 03:02 PM
Surr: 4-Terphenyl-d14	34.5		26-119	%REC	1	02/27/12 03:02 PM
Surr: Nitrobenzene-d5	72.0		41-104	%REC	1	02/27/12 03:02 PM
Surr: Phenol-d6	22.6		11-50	%REC	1	02/27/12 03:02 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 08:18 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 08:18 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 08:18 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 08:18 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 08:18 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 08:18 PM
Acetone	ND		0.020	mg/L	1	02/29/12 08:18 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-04

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 08:18 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 08:18 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 08:18 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 08:18 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 08:18 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 08:18 PM
Styrene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 08:18 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 08:18 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	1	02/29/12 08:18 PM
<i>Surr: 4-Bromofluorobenzene</i>	97.3		75-120	%REC	1	02/29/12 08:18 PM
<i>Surr: Dibromofluoromethane</i>	98.6		85-115	%REC	1	02/29/12 08:18 PM
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	02/29/12 08:18 PM
<b>FLASHPOINT, P-M CLOSED-CUP</b>			<b>D93</b>			Analyst: <b>NZ</b>
Flashpoint, P-M Closed-cup	>140			°F	1	03/01/12 01:30 PM
<b>PH</b>			<b>SW9040</b>			Analyst: <b>KV</b>
pH	7.43	H		s.u.	1	02/23/12 11:00 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW4-W01-02012

**Lab ID:** 1202642-05

**Collection Date:** 02/20/12 02:09 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	02/29/12 04:03 PM
2,4-D	ND		0.0050	mg/L	1	02/29/12 04:03 PM
Surr: DCAA	98.4		30-150	%REC	1	02/29/12 04:03 PM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0010	mg/L	1	02/26/12 01:10 AM
Endrin	ND		0.00010	mg/L	1	02/26/12 01:10 AM
gamma-BHC (Lindane)	ND		0.000050	mg/L	1	02/26/12 01:10 AM
Heptachlor	ND		0.000050	mg/L	1	02/26/12 01:10 AM
Methoxychlor	ND		0.00050	mg/L	1	02/26/12 01:10 AM
Toxaphene	ND		0.0040	mg/L	1	02/26/12 01:10 AM
Surr: Decachlorobiphenyl	42.0		30-135	%REC	1	02/26/12 01:10 AM
Surr: Tetrachloro-m-xylene	45.0		25-140	%REC	1	02/26/12 01:10 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/27/12 12:40 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Arsenic</b>	<b>0.0023</b>		<b>0.0020</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Barium</b>	<b>0.17</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
<b>Cadmium</b>	<b>0.00070</b>		<b>0.00040</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
Chromium	ND		0.0040	mg/L	2	03/02/12 03:38 PM
<b>Lead</b>	<b>0.019</b>		<b>0.0020</b>	<b>mg/L</b>	2	03/02/12 03:38 PM
Selenium	ND		0.0040	mg/L	2	03/02/12 03:38 PM
Silver	ND		0.0010	mg/L	2	03/02/12 03:38 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Hexachloro-1,3-butadiene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 01:33 PM
m-Cresol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 01:33 PM
o-Cresol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
p-Cresol	ND		0.0050	mg/L	1	02/27/12 01:33 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 01:33 PM
Pyridine	ND		0.020	mg/L	1	02/27/12 01:33 PM
Surr: 2,4,6-Tribromophenol	73.9		21-125	%REC	1	02/27/12 01:33 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW4-W01-02012

**Lab ID:** 1202642-05

**Collection Date:** 02/20/12 02:09 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	62.9		39-94	%REC	1	02/27/12 01:33 PM
<i>Surr: 2-Fluorophenol</i>	36.4		10-75	%REC	1	02/27/12 01:33 PM
<i>Surr: 4-Terphenyl-d14</i>	28.1		26-119	%REC	1	02/27/12 01:33 PM
<i>Surr: Nitrobenzene-d5</i>	71.0		41-104	%REC	1	02/27/12 01:33 PM
<i>Surr: Phenol-d6</i>	24.6		11-50	%REC	1	02/27/12 01:33 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:01 PM
2-Butanone	ND		0.010	mg/L	1	02/29/12 07:01 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Tetrachloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 07:01 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 07:01 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-130	%REC	1	02/29/12 07:01 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.8		70-130	%REC	1	02/29/12 07:01 PM
<i>Surr: Dibromofluoromethane</i>	99.0		70-130	%REC	1	02/29/12 07:01 PM
<i>Surr: Toluene-d8</i>	103		70-130	%REC	1	02/29/12 07:01 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012

**Lab ID:** 1202642-06

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/29/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	03/01/12 09:00 AM
2,4-D	ND		0.0050	mg/L	1	03/01/12 09:00 AM
Surr: DCAA	93.8		30-150	%REC	1	03/01/12 09:00 AM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0010	mg/L	1	02/26/12 01:25 AM
Endrin	ND		0.00010	mg/L	1	02/26/12 01:25 AM
gamma-BHC (Lindane)	ND		0.000050	mg/L	1	02/26/12 01:25 AM
Heptachlor	ND		0.000050	mg/L	1	02/26/12 01:25 AM
Methoxychlor	ND		0.00050	mg/L	1	02/26/12 01:25 AM
Toxaphene	ND		0.0040	mg/L	1	02/26/12 01:25 AM
Surr: Decachlorobiphenyl	51.0		30-135	%REC	1	02/26/12 01:25 AM
Surr: Tetrachloro-m-xylene	45.0		25-140	%REC	1	02/26/12 01:25 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/27/12 12:42 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Arsenic</b>	<b>0.0052</b>		<b>0.0020</b>	<b>mg/L</b>	2	03/02/12 03:44 PM
<b>Barium</b>	<b>0.20</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 03:44 PM
Cadmium	ND		0.00040	mg/L	2	03/02/12 03:44 PM
Chromium	ND		0.0080	mg/L	4	03/02/12 11:54 PM
Lead	ND		0.0020	mg/L	2	03/02/12 03:44 PM
Selenium	ND		0.0080	mg/L	4	03/02/12 11:54 PM
Silver	ND		0.0020	mg/L	4	03/02/12 11:54 PM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Hexachloro-1,3-butadiene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 02:02 PM
m-Cresol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 02:02 PM
o-Cresol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
p-Cresol	ND		0.0050	mg/L	1	02/27/12 02:02 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 02:02 PM
Pyridine	ND		0.020	mg/L	1	02/27/12 02:02 PM
Surr: 2,4,6-Tribromophenol	66.0		21-125	%REC	1	02/27/12 02:02 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012

**Lab ID:** 1202642-06

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	60.0		39-94	%REC	1	02/27/12 02:02 PM
Surr: 2-Fluorophenol	34.7		10-75	%REC	1	02/27/12 02:02 PM
Surr: 4-Terphenyl-d14	27.5		26-119	%REC	1	02/27/12 02:02 PM
Surr: Nitrobenzene-d5	70.8		41-104	%REC	1	02/27/12 02:02 PM
Surr: Phenol-d6	23.7		11-50	%REC	1	02/27/12 02:02 PM

## TCLP VOLATILE ORGANICS

SW8260

Prep Date: 02/23/12

Analyst: RS

1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:27 PM
2-Butanone	ND		0.010	mg/L	1	02/29/12 07:27 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Tetrachloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 07:27 PM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	02/29/12 07:27 PM
Surr: 4-Bromofluorobenzene	96.4		70-130	%REC	1	02/29/12 07:27 PM
Surr: Dibromofluoromethane	99.3		70-130	%REC	1	02/29/12 07:27 PM
Surr: Toluene-d8	101		70-130	%REC	1	02/29/12 07:27 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-07

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/29/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	03/01/12 09:09 AM
2,4-D	ND		0.0050	mg/L	1	03/01/12 09:09 AM
Surr: DCAA	78.0		30-150	%REC	1	03/01/12 09:09 AM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0010	mg/L	1	02/26/12 01:40 AM
Endrin	ND		0.00010	mg/L	1	02/26/12 01:40 AM
gamma-BHC (Lindane)	ND		0.000050	mg/L	1	02/26/12 01:40 AM
Heptachlor	ND		0.000050	mg/L	1	02/26/12 01:40 AM
Methoxychlor	ND		0.00050	mg/L	1	02/26/12 01:40 AM
Toxaphene	ND		0.0040	mg/L	1	02/26/12 01:40 AM
Surr: Decachlorobiphenyl	71.0		30-135	%REC	1	02/26/12 01:40 AM
Surr: Tetrachloro-m-xylene	49.0		25-140	%REC	1	02/26/12 01:40 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 11:54 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
<b>Arsenic</b>	<b>0.0040</b>		<b>0.0020</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
<b>Barium</b>	<b>0.21</b>		<b>0.010</b>	<b>mg/L</b>	2	03/02/12 05:28 AM
Cadmium	ND		0.00040	mg/L	2	03/02/12 05:28 AM
Chromium	ND		0.0040	mg/L	2	03/02/12 05:28 AM
Lead	ND		0.0020	mg/L	2	03/02/12 05:28 AM
Selenium	ND		0.0040	mg/L	2	03/02/12 05:28 AM
Silver	ND		0.0010	mg/L	2	03/02/12 05:28 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Hexachloro-1,3-butadiene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 02:32 PM
m-Cresol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 02:32 PM
o-Cresol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
p-Cresol	ND		0.0050	mg/L	1	02/27/12 02:32 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 02:32 PM
Pyridine	ND		0.020	mg/L	1	02/27/12 02:32 PM
Surr: 2,4,6-Tribromophenol	64.2		21-125	%REC	1	02/27/12 02:32 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW7-W01-022012-DP

**Lab ID:** 1202642-07

**Collection Date:** 02/20/12 04:10 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	57.0		39-94	%REC	1	02/27/12 02:32 PM
Surr: 2-Fluorophenol	33.1		10-75	%REC	1	02/27/12 02:32 PM
Surr: 4-Terphenyl-d14	23.8	S	26-119	%REC	1	02/27/12 02:32 PM
Surr: Nitrobenzene-d5	69.3		41-104	%REC	1	02/27/12 02:32 PM
Surr: Phenol-d6	22.3		11-50	%REC	1	02/27/12 02:32 PM

**TCLP VOLATILE ORGANICS**

**SW8260**

Prep Date: 02/23/12

Analyst: RS

1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 07:53 PM
2-Butanone	ND		0.010	mg/L	1	02/29/12 07:53 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Tetrachloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 07:53 PM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	02/29/12 07:53 PM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	1	02/29/12 07:53 PM
Surr: Dibromofluoromethane	98.1		70-130	%REC	1	02/29/12 07:53 PM
Surr: Toluene-d8	101		70-130	%REC	1	02/29/12 07:53 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-08

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/29/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	03/01/12 09:18 AM
2,4-D	ND		0.0050	mg/L	1	03/01/12 09:18 AM
Surr: DCAA	100		30-150	%REC	1	03/01/12 09:18 AM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0010	mg/L	1	02/26/12 01:54 AM
Endrin	ND		0.00010	mg/L	1	02/26/12 01:54 AM
gamma-BHC (Lindane)	ND		0.000050	mg/L	1	02/26/12 01:54 AM
Heptachlor	ND		0.000050	mg/L	1	02/26/12 01:54 AM
Methoxychlor	ND		0.00050	mg/L	1	02/26/12 01:54 AM
Toxaphene	ND		0.0040	mg/L	1	02/26/12 01:54 AM
Surr: Decachlorobiphenyl	62.0		30-135	%REC	1	02/26/12 01:54 AM
Surr: Tetrachloro-m-xylene	66.0		25-140	%REC	1	02/26/12 01:54 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 11:56 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/25/12</b>	Analyst: <b>CES</b>
Arsenic	ND		0.0010	mg/L	1	03/02/12 05:35 AM
<b>Barium</b>	<b>0.031</b>		<b>0.0050</b>	<b>mg/L</b>	1	03/02/12 05:35 AM
Cadmium	ND		0.00020	mg/L	1	03/02/12 05:35 AM
Chromium	ND		0.0020	mg/L	1	03/02/12 05:35 AM
Lead	ND		0.0010	mg/L	1	03/02/12 05:35 AM
Selenium	ND		0.0020	mg/L	1	03/02/12 05:35 AM
Silver	ND		0.00050	mg/L	1	03/02/12 05:35 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Hexachloro-1,3-butadiene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 03:02 PM
m-Cresol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 03:02 PM
o-Cresol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
p-Cresol	ND		0.0050	mg/L	1	02/27/12 03:02 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 03:02 PM
Pyridine	ND		0.020	mg/L	1	02/27/12 03:02 PM
Surr: 2,4,6-Tribromophenol	67.8		21-125	%REC	1	02/27/12 03:02 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** AL-MW12-W01-022012

**Lab ID:** 1202642-08

**Collection Date:** 02/20/12 11:00 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	63.5		39-94	%REC	1	02/27/12 03:02 PM
<i>Surr: 2-Fluorophenol</i>	34.1		10-75	%REC	1	02/27/12 03:02 PM
<i>Surr: 4-Terphenyl-d14</i>	34.5		26-119	%REC	1	02/27/12 03:02 PM
<i>Surr: Nitrobenzene-d5</i>	72.0		41-104	%REC	1	02/27/12 03:02 PM
<i>Surr: Phenol-d6</i>	22.6		11-50	%REC	1	02/27/12 03:02 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 08:18 PM
2-Butanone	ND		0.010	mg/L	1	02/29/12 08:18 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Tetrachloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 08:18 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 08:18 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-130	%REC	1	02/29/12 08:18 PM
<i>Surr: 4-Bromofluorobenzene</i>	97.3		70-130	%REC	1	02/29/12 08:18 PM
<i>Surr: Dibromofluoromethane</i>	98.6		70-130	%REC	1	02/29/12 08:18 PM
<i>Surr: Toluene-d8</i>	101		70-130	%REC	1	02/29/12 08:18 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #1

**Lab ID:** 1202642-09

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>BG</b>
1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 05:35 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 05:35 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 05:35 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 05:35 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 05:35 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 05:35 PM
Acetone	ND		0.020	mg/L	1	02/29/12 05:35 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 05:35 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 05:35 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 05:35 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 05:35 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 05:35 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 05:35 PM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #1

**Lab ID:** 1202642-09

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 05:35 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 05:35 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 05:35 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	02/29/12 05:35 PM
Surr: 4-Bromofluorobenzene	101		75-120	%REC	1	02/29/12 05:35 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	02/29/12 05:35 PM
Surr: Toluene-d8	98.7		85-120	%REC	1	02/29/12 05:35 PM

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



# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #2

**Lab ID:** 1202642-10

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>BG</b>
1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 05:10 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 05:10 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 05:10 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 05:10 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 05:10 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 05:10 PM
Acetone	ND		0.020	mg/L	1	02/29/12 05:10 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 05:10 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 05:10 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 05:10 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 05:10 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 05:10 PM
Methylene chloride	ND		0.010	mg/L	1	02/29/12 05:10 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #2

**Lab ID:** 1202642-10

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 05:10 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 05:10 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 05:10 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	92.2		70-120	%REC	1	02/29/12 05:10 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.5		75-120	%REC	1	02/29/12 05:10 PM
<i>Surr: Dibromofluoromethane</i>	97.1		85-115	%REC	1	02/29/12 05:10 PM
<i>Surr: Toluene-d8</i>	98.0		85-120	%REC	1	02/29/12 05:10 PM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #3

**Lab ID:** 1202642-11

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: RS
1,1,1-Trichloroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,1-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,1-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,2-Dibromoethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,2-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
1,2-Dichloropropane	ND		0.0020	mg/L	1	03/02/12 05:10 AM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	03/02/12 05:10 AM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	03/02/12 05:10 AM
2-Butanone	ND		0.0050	mg/L	1	03/02/12 05:10 AM
2-Hexanone	ND		0.0050	mg/L	1	03/02/12 05:10 AM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	03/02/12 05:10 AM
Acetone	ND		0.020	mg/L	1	03/02/12 05:10 AM
Benzene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Bromodichloromethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Bromoform	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Bromomethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Carbon disulfide	ND		0.0025	mg/L	1	03/02/12 05:10 AM
Carbon tetrachloride	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Chlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Chloroethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Chloroform	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Chloromethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Cyclohexane	ND		0.0050	mg/L	1	03/02/12 05:10 AM
Dibromochloromethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Ethylbenzene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Isopropylbenzene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Methyl acetate	ND		0.0020	mg/L	1	03/02/12 05:10 AM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	03/02/12 05:10 AM
Methylcyclohexane	ND		0.0050	mg/L	1	03/02/12 05:10 AM
Methylene chloride	ND		0.0050	mg/L	1	03/02/12 05:10 AM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #3

**Lab ID:** 1202642-11

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Tetrachloroethene	ND		0.0020	mg/L	1	03/02/12 05:10 AM
Toluene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Trichloroethene	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Trichlorofluoromethane	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Vinyl chloride	ND		0.0010	mg/L	1	03/02/12 05:10 AM
Xylenes, Total	ND		0.0030	mg/L	1	03/02/12 05:10 AM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	03/02/12 05:10 AM
Surr: 4-Bromofluorobenzene	96.7		75-120	%REC	1	03/02/12 05:10 AM
Surr: Dibromofluoromethane	100		85-115	%REC	1	03/02/12 05:10 AM
Surr: Toluene-d8	102		85-120	%REC	1	03/02/12 05:10 AM

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

# ALS Group USA, Corp

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #4

**Lab ID:** 1202642-12

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: RS
1,1,1-Trichloroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,1-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,1-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,2-Dibromoethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,2-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
1,2-Dichloropropane	ND		0.0020	mg/L	1	03/02/12 04:46 AM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	03/02/12 04:46 AM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	03/02/12 04:46 AM
2-Butanone	ND		0.0050	mg/L	1	03/02/12 04:46 AM
2-Hexanone	ND		0.0050	mg/L	1	03/02/12 04:46 AM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	03/02/12 04:46 AM
Acetone	ND		0.020	mg/L	1	03/02/12 04:46 AM
Benzene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Bromodichloromethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Bromoform	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Bromomethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Carbon disulfide	ND		0.0025	mg/L	1	03/02/12 04:46 AM
Carbon tetrachloride	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Chlorobenzene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Chloroethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Chloroform	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Chloromethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Cyclohexane	ND		0.0050	mg/L	1	03/02/12 04:46 AM
Dibromochloromethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Ethylbenzene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Isopropylbenzene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Methyl acetate	ND		0.0020	mg/L	1	03/02/12 04:46 AM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	03/02/12 04:46 AM
Methylcyclohexane	ND		0.0050	mg/L	1	03/02/12 04:46 AM
Methylene chloride	ND		0.0050	mg/L	1	03/02/12 04:46 AM

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

**ALS Group USA, Corp**

Date: 05-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202642

**Sample ID:** Trip Blank #4

**Lab ID:** 1202642-12

**Collection Date:** 02/20/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Tetrachloroethene	ND		0.0020	mg/L	1	03/02/12 04:46 AM
Toluene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Trichloroethene	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Trichlorofluoromethane	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Vinyl chloride	ND		0.0010	mg/L	1	03/02/12 04:46 AM
Xylenes, Total	ND		0.0030	mg/L	1	03/02/12 04:46 AM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	03/02/12 04:46 AM
Surr: 4-Bromofluorobenzene	96.5		75-120	%REC	1	03/02/12 04:46 AM
Surr: Dibromofluoromethane	100		85-115	%REC	1	03/02/12 04:46 AM
Surr: Toluene-d8	101		85-120	%REC	1	03/02/12 04:46 AM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-01

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0010	mg/L	1	02/27/12 05:29 PM
2,4,5-TP (Silvex)	ND		0.0020	mg/L	1	02/27/12 05:29 PM
2,4-D	ND		0.0020	mg/L	1	02/27/12 05:29 PM
Surr: DCAA	102		30-150	%REC	1	02/27/12 05:29 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Aroclor 1221	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Aroclor 1232	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Aroclor 1242	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Aroclor 1248	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Aroclor 1254	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Aroclor 1260	ND		0.00040	mg/L	1	02/26/12 10:24 PM
Surr: Decachlorobiphenyl	81.0		40-140	%REC	1	02/26/12 10:24 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.000020	mg/L	1	02/26/12 02:09 AM
4,4'-DDE	ND		0.000020	mg/L	1	02/26/12 02:09 AM
4,4'-DDT	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Aldrin	ND		0.000010	mg/L	1	02/26/12 02:09 AM
alpha-BHC	ND		0.000010	mg/L	1	02/26/12 02:09 AM
alpha-Chlordane	ND		0.000020	mg/L	1	02/26/12 02:09 AM
beta-BHC	ND		0.000010	mg/L	1	02/26/12 02:09 AM
Chlordane, Technical	ND		0.000050	mg/L	1	02/26/12 02:09 AM
delta-BHC	ND		0.000010	mg/L	1	02/26/12 02:09 AM
Dieldrin	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Endosulfan I	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Endosulfan II	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Endosulfan sulfate	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Endrin	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Endrin aldehyde	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Endrin ketone	ND		0.000020	mg/L	1	02/26/12 02:09 AM
gamma-BHC (Lindane)	ND		0.000010	mg/L	1	02/26/12 02:09 AM
gamma-Chlordane	ND		0.000020	mg/L	1	02/26/12 02:09 AM
Heptachlor	ND		0.000010	mg/L	1	02/26/12 02:09 AM
Heptachlor epoxide	ND		0.000010	mg/L	1	02/26/12 02:09 AM
Hexachlorobenzene	ND		0.000010	mg/L	1	02/26/12 02:09 AM
Methoxychlor	ND		0.000040	mg/L	1	02/26/12 02:09 AM
Toxaphene	ND		0.0020	mg/L	1	02/26/12 02:09 AM
Surr: Decachlorobiphenyl	59.0		30-145	%REC	1	02/26/12 02:09 AM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-01

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Tetrachloro-m-xylene</i>	56.0		25-140	%REC	1	02/26/12 02:09 AM
<b>MERCURY BY CVAA</b>			<b>SW7470</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 11:58 AM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
<b>Aluminum</b>	<b>0.27</b>		<b>0.010</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Antimony	ND		0.0050	mg/L	1	02/29/12 03:30 AM
<b>Arsenic</b>	<b>0.010</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
<b>Barium</b>	<b>0.012</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 08:00 PM
Beryllium	ND		0.0020	mg/L	1	03/01/12 01:11 PM
<b>Boron</b>	<b>2.3</b>		<b>0.020</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:30 AM
<b>Calcium</b>	<b>69</b>		<b>0.50</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Chromium	ND		0.0050	mg/L	1	02/29/12 03:30 AM
Cobalt	ND		0.0050	mg/L	1	02/29/12 03:30 AM
Copper	ND		0.0050	mg/L	1	02/29/12 03:30 AM
<b>Iron</b>	<b>10</b>		<b>0.080</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Lead	ND		0.0050	mg/L	1	02/29/12 03:30 AM
<b>Magnesium</b>	<b>15</b>		<b>0.20</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
<b>Manganese</b>	<b>0.81</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Nickel	ND		0.0050	mg/L	1	02/29/12 03:30 AM
<b>Potassium</b>	<b>7.6</b>		<b>0.20</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Selenium	ND		0.0050	mg/L	1	02/29/12 03:30 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:30 AM
<b>Sodium</b>	<b>21</b>		<b>0.20</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
Thallium	ND		0.0050	mg/L	1	02/29/12 03:30 AM
Vanadium	ND		0.0050	mg/L	1	02/29/12 03:30 AM
Zinc	ND		0.010	mg/L	1	02/29/12 03:30 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4-Dichlorophenol	ND		0.010	mg/L	1	02/27/12 03:31 PM
2,4-Dimethylphenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4-Dinitrophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,6-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2-Chloronaphthalene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2-Chlorophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	02/27/12 03:31 PM

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



# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-01

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2-Nitroaniline	ND		0.020	mg/L	1	02/27/12 03:31 PM
2-Nitrophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
3,3'-Dichlorobenzidine	ND		0.0050	mg/L	1	02/27/12 03:31 PM
3-Nitroaniline	ND		0.020	mg/L	1	02/27/12 03:31 PM
4,6-Dinitro-2-methylphenol	ND		0.020	mg/L	1	02/27/12 03:31 PM
4-Bromophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 03:31 PM
4-Chloro-3-methylphenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
4-Chloroaniline	ND		0.020	mg/L	1	02/27/12 03:31 PM
4-Chlorophenyl phenyl ether	ND		0.0050	mg/L	1	02/27/12 03:31 PM
4-Methylphenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
4-Nitroaniline	ND		0.020	mg/L	1	02/27/12 03:31 PM
4-Nitrophenol	ND		0.020	mg/L	1	02/27/12 03:31 PM
Acenaphthene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Acenaphthylene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Acetophenone	ND		0.0010	mg/L	1	02/27/12 03:31 PM
Anthracene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Atrazine	ND		0.010	mg/L	1	02/27/12 03:31 PM
Benzaldehyde	ND		0.0010	mg/L	1	02/27/12 03:31 PM
Benzo(a)anthracene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Benzo(a)pyrene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Benzo(b)fluoranthene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Benzo(g,h,i)perylene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Benzo(k)fluoranthene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Bis(2-chloroethoxy)methane	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Bis(2-chloroethyl)ether	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Bis(2-chloroisopropyl)ether	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Bis(2-ethylhexyl)phthalate	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Butyl benzyl phthalate	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Caprolactam	ND		0.010	mg/L	1	02/27/12 03:31 PM
Carbazole	ND		0.010	mg/L	1	02/27/12 03:31 PM
Chrysene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Dibenzofuran	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Diethyl phthalate	ND		0.020	mg/L	1	02/27/12 03:31 PM
Dimethyl phthalate	ND		0.020	mg/L	1	02/27/12 03:31 PM
Di-n-butyl phthalate	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Di-n-octyl phthalate	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Fluoranthene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Fluorene	ND		0.0050	mg/L	1	02/27/12 03:31 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-01

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Hexachlorocyclopentadiene	ND		0.020	mg/L	1	02/27/12 03:31 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Isophorone	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Naphthalene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	02/27/12 03:31 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 03:31 PM
Phenanthrene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Phenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Pyrene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
<i>Surr: 2,4,6-Tribromophenol</i>	71.3		21-125	%REC	1	02/27/12 03:31 PM
<i>Surr: 2-Fluorobiphenyl</i>	64.3		36-94	%REC	1	02/27/12 03:31 PM
<i>Surr: 2-Fluorophenol</i>	38.8		10-75	%REC	1	02/27/12 03:31 PM
<i>Surr: 4-Terphenyl-d14</i>	45.9		26-119	%REC	1	02/27/12 03:31 PM
<i>Surr: Nitrobenzene-d5</i>	70.9		41-104	%REC	1	02/27/12 03:31 PM
<i>Surr: Phenol-d6</i>	25.2		11-50	%REC	1	02/27/12 03:31 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 06:09 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 06:09 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 06:09 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 06:09 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 06:09 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 06:09 PM
Acetone	ND		0.020	mg/L	1	02/29/12 06:09 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-01

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 06:09 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.0010</b>		<b>0.0010</b>	<b>mg/L</b>	1	02/29/12 06:09 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 06:09 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 06:09 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 06:09 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 06:09 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 06:09 PM
Styrene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 06:09 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 06:09 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-120	%REC	1	02/29/12 06:09 PM
<i>Surr: 4-Bromofluorobenzene</i>	95.7		75-120	%REC	1	02/29/12 06:09 PM
<i>Surr: Dibromofluoromethane</i>	98.8		85-115	%REC	1	02/29/12 06:09 PM
<i>Surr: Toluene-d8</i>	102		85-120	%REC	1	02/29/12 06:09 PM
<b>FLASHPOINT, P-M CLOSED-CUP</b>			<b>D93</b>			Analyst: <b>NZ</b>
Flashpoint, P-M Closed-cup	>140			°F	1	03/01/12 01:30 PM
<b>PH</b>			<b>SW9040</b>			Analyst: <b>KV</b>
pH	7.10			s.u.	1	02/23/12 11:00 AM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-02

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
2,4,5-T	ND		0.0010	mg/L	1	02/27/12 05:29 PM
2,4,5-TP (Silvex)	ND		0.0020	mg/L	1	02/27/12 05:29 PM
2,4-D	ND		0.0020	mg/L	1	02/27/12 05:29 PM
Surr: DCAA	95.8		30-150	%REC	1	02/27/12 05:29 PM
<b>PCBS</b>			<b>SW8082</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Aroclor 1016	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Aroclor 1221	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Aroclor 1232	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Aroclor 1242	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Aroclor 1248	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Aroclor 1254	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Aroclor 1260	ND		0.00040	mg/L	1	02/26/12 10:44 PM
Surr: Decachlorobiphenyl	85.0		40-140	%REC	1	02/26/12 10:44 PM
<b>PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
4,4'-DDD	ND		0.000020	mg/L	1	02/26/12 02:24 AM
4,4'-DDE	ND		0.000020	mg/L	1	02/26/12 02:24 AM
4,4'-DDT	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Aldrin	ND		0.000010	mg/L	1	02/26/12 02:24 AM
alpha-BHC	ND		0.000010	mg/L	1	02/26/12 02:24 AM
alpha-Chlordane	ND		0.000020	mg/L	1	02/26/12 02:24 AM
beta-BHC	ND		0.000010	mg/L	1	02/26/12 02:24 AM
Chlordane, Technical	ND		0.000050	mg/L	1	02/26/12 02:24 AM
delta-BHC	ND		0.000010	mg/L	1	02/26/12 02:24 AM
Dieldrin	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Endosulfan I	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Endosulfan II	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Endosulfan sulfate	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Endrin	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Endrin aldehyde	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Endrin ketone	ND		0.000020	mg/L	1	02/26/12 02:24 AM
gamma-BHC (Lindane)	ND		0.000010	mg/L	1	02/26/12 02:24 AM
gamma-Chlordane	ND		0.000020	mg/L	1	02/26/12 02:24 AM
Heptachlor	ND		0.000010	mg/L	1	02/26/12 02:24 AM
Heptachlor epoxide	ND		0.000010	mg/L	1	02/26/12 02:24 AM
Hexachlorobenzene	ND		0.000010	mg/L	1	02/26/12 02:24 AM
Methoxychlor	ND		0.000040	mg/L	1	02/26/12 02:24 AM
Toxaphene	ND		0.0020	mg/L	1	02/26/12 02:24 AM
Surr: Decachlorobiphenyl	63.0		30-145	%REC	1	02/26/12 02:24 AM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-02

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Tetrachloro-m-xylene</i>	61.0		25-140	%REC	1	02/26/12 02:24 AM
<b>MERCURY BY CVAA</b>			<b>SW7470</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 12:01 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
Aluminum	ND		0.010	mg/L	1	02/29/12 03:35 AM
Antimony	ND		0.0050	mg/L	1	02/29/12 03:35 AM
Arsenic	ND		0.0050	mg/L	1	02/29/12 03:35 AM
<b>Barium</b>	<b>0.076</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 08:05 PM
Beryllium	ND		0.0020	mg/L	1	03/01/12 01:16 PM
<b>Boron</b>	<b>0.94</b>		<b>0.020</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
Cadmium	ND		0.0020	mg/L	1	02/29/12 03:35 AM
<b>Calcium</b>	<b>65</b>		<b>0.50</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
Chromium	ND		0.0050	mg/L	1	02/29/12 03:35 AM
Cobalt	ND		0.0050	mg/L	1	02/29/12 03:35 AM
Copper	ND		0.0050	mg/L	1	02/29/12 03:35 AM
<b>Iron</b>	<b>0.39</b>		<b>0.080</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
Lead	ND		0.0050	mg/L	1	02/29/12 03:35 AM
<b>Magnesium</b>	<b>17</b>		<b>0.20</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
<b>Manganese</b>	<b>0.083</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
Nickel	ND		0.0050	mg/L	1	02/29/12 03:35 AM
<b>Potassium</b>	<b>5.3</b>		<b>0.20</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
Selenium	ND		0.0050	mg/L	1	02/29/12 03:35 AM
Silver	ND		0.0050	mg/L	1	02/29/12 03:35 AM
<b>Sodium</b>	<b>17</b>		<b>0.20</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
Thallium	ND		0.0050	mg/L	1	02/29/12 03:35 AM
Vanadium	ND		0.0050	mg/L	1	02/29/12 03:35 AM
Zinc	ND		0.010	mg/L	1	02/29/12 03:35 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8270</b>		Prep Date: <b>02/27/12</b>	Analyst: <b>CW</b>
1,1'-Biphenyl	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4-Dichlorophenol	ND		0.010	mg/L	1	02/28/12 10:21 PM
2,4-Dimethylphenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4-Dinitrophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,6-Dinitrotoluene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2-Chloronaphthalene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2-Chlorophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	02/28/12 10:21 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-02

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
2-Methylphenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2-Nitroaniline	ND		0.020	mg/L	1	02/28/12 10:21 PM
2-Nitrophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
3,3'-Dichlorobenzidine	ND		0.0050	mg/L	1	02/28/12 10:21 PM
3-Nitroaniline	ND		0.020	mg/L	1	02/28/12 10:21 PM
4,6-Dinitro-2-methylphenol	ND		0.020	mg/L	1	02/28/12 10:21 PM
4-Bromophenyl phenyl ether	ND		0.0050	mg/L	1	02/28/12 10:21 PM
4-Chloro-3-methylphenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
4-Chloroaniline	ND		0.020	mg/L	1	02/28/12 10:21 PM
4-Chlorophenyl phenyl ether	ND		0.0050	mg/L	1	02/28/12 10:21 PM
4-Methylphenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
4-Nitroaniline	ND		0.020	mg/L	1	02/28/12 10:21 PM
4-Nitrophenol	ND		0.020	mg/L	1	02/28/12 10:21 PM
Acenaphthene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Acenaphthylene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Acetophenone	ND		0.0010	mg/L	1	02/28/12 10:21 PM
Anthracene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Atrazine	ND		0.010	mg/L	1	02/28/12 10:21 PM
Benzaldehyde	ND		0.0010	mg/L	1	02/28/12 10:21 PM
Benzo(a)anthracene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Benzo(a)pyrene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Benzo(b)fluoranthene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Benzo(g,h,i)perylene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Benzo(k)fluoranthene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Bis(2-chloroethoxy)methane	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Bis(2-chloroethyl)ether	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Bis(2-chloroisopropyl)ether	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Bis(2-ethylhexyl)phthalate	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Butyl benzyl phthalate	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Caprolactam	ND		0.010	mg/L	1	02/28/12 10:21 PM
Carbazole	ND		0.010	mg/L	1	02/28/12 10:21 PM
Chrysene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Dibenzofuran	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Diethyl phthalate	ND		0.020	mg/L	1	02/28/12 10:21 PM
Dimethyl phthalate	ND		0.020	mg/L	1	02/28/12 10:21 PM
Di-n-butyl phthalate	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Di-n-octyl phthalate	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Fluoranthene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Fluorene	ND		0.0050	mg/L	1	02/28/12 10:21 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-02

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobenzene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Hexachlorocyclopentadiene	ND		0.020	mg/L	1	02/28/12 10:21 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Isophorone	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Naphthalene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	02/28/12 10:21 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/28/12 10:21 PM
Phenanthrene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Phenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Pyrene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
<i>Surr: 2,4,6-Tribromophenol</i>	70.5		21-125	%REC	1	02/28/12 10:21 PM
<i>Surr: 2-Fluorobiphenyl</i>	64.5		36-94	%REC	1	02/28/12 10:21 PM
<i>Surr: 2-Fluorophenol</i>	31.5		10-75	%REC	1	02/28/12 10:21 PM
<i>Surr: 4-Terphenyl-d14</i>	46.3		26-119	%REC	1	02/28/12 10:21 PM
<i>Surr: Nitrobenzene-d5</i>	72.8		41-104	%REC	1	02/28/12 10:21 PM
<i>Surr: Phenol-d6</i>	21.0		11-50	%REC	1	02/28/12 10:21 PM

## VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: RS

1,1,1-Trichloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,1-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,1-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2-Dibromoethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2-Dichloropropane	ND		0.0020	mg/L	1	03/02/12 05:57 AM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	03/02/12 05:57 AM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	03/02/12 05:57 AM
2-Butanone	ND		0.0050	mg/L	1	03/02/12 05:57 AM
2-Hexanone	ND		0.0050	mg/L	1	03/02/12 05:57 AM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	03/02/12 05:57 AM
Acetone	ND		0.020	mg/L	1	03/02/12 05:57 AM
Benzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-02

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Bromodichloromethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Bromoform	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Bromomethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Carbon disulfide	ND		0.0025	mg/L	1	03/02/12 05:57 AM
Carbon tetrachloride	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Chlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Chloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Chloroform	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Chloromethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Cyclohexane	ND		0.0050	mg/L	1	03/02/12 05:57 AM
Dibromochloromethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Ethylbenzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Isopropylbenzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Methyl acetate	ND		0.0020	mg/L	1	03/02/12 05:57 AM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	03/02/12 05:57 AM
Methylcyclohexane	ND		0.0050	mg/L	1	03/02/12 05:57 AM
Methylene chloride	ND		0.0050	mg/L	1	03/02/12 05:57 AM
Styrene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Tetrachloroethene	ND		0.0020	mg/L	1	03/02/12 05:57 AM
Toluene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Trichloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Trichlorofluoromethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Vinyl chloride	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Xylenes, Total	ND		0.0030	mg/L	1	03/02/12 05:57 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	102		70-120	%REC	1	03/02/12 05:57 AM
<i>Surr: 4-Bromofluorobenzene</i>	97.0		75-120	%REC	1	03/02/12 05:57 AM
<i>Surr: Dibromofluoromethane</i>	95.6		85-115	%REC	1	03/02/12 05:57 AM
<i>Surr: Toluene-d8</i>	102		85-120	%REC	1	03/02/12 05:57 AM
<b>FLASHPOINT, P-M CLOSED-CUP</b>			<b>D93</b>			Analyst: <b>NZ</b>
Flashpoint, P-M Closed-cup	>140			°F	1	03/01/12 01:30 PM
<b>PH</b>			<b>SW9040</b>			Analyst: <b>KV</b>
pH	7.36			s.u.	1	02/23/12 11:00 AM

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



# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-03

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/29/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	03/01/12 09:28 AM
2,4-D	ND		0.0050	mg/L	1	03/01/12 09:28 AM
Surr: DCAA	78.4		30-150	%REC	1	03/01/12 09:28 AM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0010	mg/L	1	02/26/12 02:09 AM
Endrin	ND		0.00010	mg/L	1	02/26/12 02:09 AM
gamma-BHC (Lindane)	ND		0.000050	mg/L	1	02/26/12 02:09 AM
Heptachlor	ND		0.000050	mg/L	1	02/26/12 02:09 AM
Methoxychlor	ND		0.00050	mg/L	1	02/26/12 02:09 AM
Toxaphene	ND		0.0040	mg/L	1	02/26/12 02:09 AM
Surr: Decachlorobiphenyl	59.0		30-135	%REC	1	02/26/12 02:09 AM
Surr: Tetrachloro-m-xylene	56.0		25-140	%REC	1	02/26/12 02:09 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 11:58 AM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
<b>Arsenic</b>	<b>0.010</b>		<b>0.0010</b>	<b>mg/L</b>	1	02/29/12 03:30 AM
<b>Barium</b>	<b>0.012</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 08:00 PM
Cadmium	ND		0.00020	mg/L	1	02/29/12 03:30 AM
Chromium	ND		0.0020	mg/L	1	02/29/12 03:30 AM
Lead	ND		0.0010	mg/L	1	02/29/12 03:30 AM
Selenium	ND		0.0020	mg/L	1	02/29/12 03:30 AM
Silver	ND		0.00050	mg/L	1	02/29/12 03:30 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Hexachloro-1,3-butadiene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/27/12 03:31 PM
m-Cresol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/27/12 03:31 PM
o-Cresol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
p-Cresol	ND		0.0050	mg/L	1	02/27/12 03:31 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/27/12 03:31 PM
Pyridine	ND		0.020	mg/L	1	02/27/12 03:31 PM
Surr: 2,4,6-Tribromophenol	71.3		21-125	%REC	1	02/27/12 03:31 PM

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

**ALS Group USA, Corp**

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** GD-B06-W01-022112

**Lab ID:** 1202643-03

**Collection Date:** 02/21/12 10:00 AM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	64.3		39-94	%REC	1	02/27/12 03:31 PM
Surr: 2-Fluorophenol	38.8		10-75	%REC	1	02/27/12 03:31 PM
Surr: 4-Terphenyl-d14	45.9		26-119	%REC	1	02/27/12 03:31 PM
Surr: Nitrobenzene-d5	70.9		41-104	%REC	1	02/27/12 03:31 PM
Surr: Phenol-d6	25.2		11-50	%REC	1	02/27/12 03:31 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:09 PM
2-Butanone	ND		0.010	mg/L	1	02/29/12 06:09 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 06:09 PM
<b>Tetrachloroethene</b>	<b>0.0014</b>		<b>0.0010</b>	<b>mg/L</b>	1	02/29/12 06:09 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 06:09 PM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	02/29/12 06:09 PM
Surr: 4-Bromofluorobenzene	95.7		70-130	%REC	1	02/29/12 06:09 PM
Surr: Dibromofluoromethane	98.8		70-130	%REC	1	02/29/12 06:09 PM
Surr: Toluene-d8	102		70-130	%REC	1	02/29/12 06:09 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-04

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TCLP HERBICIDES</b>			<b>SW8151</b>		Prep Date: <b>02/29/12</b>	Analyst: <b>JD</b>
2,4,5-TP (Silvex)	ND		0.0050	mg/L	1	03/01/12 09:37 AM
2,4-D	ND		0.0050	mg/L	1	03/01/12 09:37 AM
Surr: DCAA	96.8		30-150	%REC	1	03/01/12 09:37 AM
<b>TCLP PESTICIDES</b>			<b>SW8081</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>JD</b>
Chlordane, Technical	ND		0.0010	mg/L	1	02/26/12 02:24 AM
Endrin	ND		0.00010	mg/L	1	02/26/12 02:24 AM
gamma-BHC (Lindane)	ND		0.000050	mg/L	1	02/26/12 02:24 AM
Heptachlor	ND		0.000050	mg/L	1	02/26/12 02:24 AM
Methoxychlor	ND		0.00050	mg/L	1	02/26/12 02:24 AM
Toxaphene	ND		0.0040	mg/L	1	02/26/12 02:24 AM
Surr: Decachlorobiphenyl	63.0		30-135	%REC	1	02/26/12 02:24 AM
Surr: Tetrachloro-m-xylene	61.0		25-140	%REC	1	02/26/12 02:24 AM
<b>TCLP MERCURY BY CVAA</b>			<b>SW7470A</b>		Prep Date: <b>02/28/12</b>	Analyst: <b>LR</b>
Mercury	ND		0.00020	mg/L	1	02/29/12 12:01 PM
<b>TCLP METALS ANALYSIS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>02/26/12</b>	Analyst: <b>RH</b>
<b>Arsenic</b>	<b>0.0011</b>		<b>0.0010</b>	<b>mg/L</b>	1	02/29/12 03:35 AM
<b>Barium</b>	<b>0.076</b>		<b>0.0050</b>	<b>mg/L</b>	1	02/29/12 08:05 PM
Cadmium	ND		0.00020	mg/L	1	02/29/12 03:35 AM
Chromium	ND		0.0020	mg/L	1	02/29/12 03:35 AM
Lead	ND		0.0010	mg/L	1	02/29/12 03:35 AM
Selenium	ND		0.0020	mg/L	1	02/29/12 03:35 AM
Silver	ND		0.00050	mg/L	1	02/29/12 03:35 AM
<b>TCLP SEMI-VOLATILE ORGANICS</b>			<b>SW8270</b>		Prep Date: <b>02/24/12</b>	Analyst: <b>CW</b>
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Hexachloro-1,3-butadiene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Hexachloroethane	ND		0.0050	mg/L	1	02/28/12 10:21 PM
m-Cresol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Nitrobenzene	ND		0.0050	mg/L	1	02/28/12 10:21 PM
o-Cresol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
p-Cresol	ND		0.0050	mg/L	1	02/28/12 10:21 PM
Pentachlorophenol	ND		0.020	mg/L	1	02/28/12 10:21 PM
Pyridine	ND		0.020	mg/L	1	02/28/12 10:21 PM
Surr: 2,4,6-Tribromophenol	70.5		21-125	%REC	1	02/28/12 10:21 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** AL-MW2-W01-022112

**Lab ID:** 1202643-04

**Collection Date:** 02/21/12 12:40 PM

**Matrix:** TCLP EXTRACT

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	64.5		39-94	%REC	1	02/28/12 10:21 PM
<i>Surr: 2-Fluorophenol</i>	31.5		10-75	%REC	1	02/28/12 10:21 PM
<i>Surr: 4-Terphenyl-d14</i>	46.3		26-119	%REC	1	02/28/12 10:21 PM
<i>Surr: Nitrobenzene-d5</i>	72.8		41-104	%REC	1	02/28/12 10:21 PM
<i>Surr: Phenol-d6</i>	21.0		11-50	%REC	1	02/28/12 10:21 PM
<b>TCLP VOLATILE ORGANICS</b>			<b>SW8260</b>		Prep Date: <b>02/23/12</b>	Analyst: <b>RS</b>
1,1-Dichloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
1,2-Dichloroethane	ND		0.0010	mg/L	1	03/02/12 05:57 AM
2-Butanone	ND		0.010	mg/L	1	03/02/12 05:57 AM
Benzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Carbon tetrachloride	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Chlorobenzene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Chloroform	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Tetrachloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Trichloroethene	ND		0.0010	mg/L	1	03/02/12 05:57 AM
Vinyl chloride	ND		0.0010	mg/L	1	03/02/12 05:57 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	102		70-130	%REC	1	03/02/12 05:57 AM
<i>Surr: 4-Bromofluorobenzene</i>	97.0		70-130	%REC	1	03/02/12 05:57 AM
<i>Surr: Dibromofluoromethane</i>	95.6		70-130	%REC	1	03/02/12 05:57 AM
<i>Surr: Toluene-d8</i>	102		70-130	%REC	1	03/02/12 05:57 AM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** Trip Blank #1

**Lab ID:** 1202643-05

**Collection Date:** 02/21/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>BG</b>
1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 06:25 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 06:25 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 06:25 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 06:25 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 06:25 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 06:25 PM
Acetone	ND		0.020	mg/L	1	02/29/12 06:25 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 06:25 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 06:25 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 06:25 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 06:25 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 06:25 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 06:25 PM

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

**ALS Group USA, Corp**

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** Trip Blank #1

**Lab ID:** 1202643-05

**Collection Date:** 02/21/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 06:25 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 06:25 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 06:25 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.0		70-120	%REC	1	02/29/12 06:25 PM
<i>Surr: 4-Bromofluorobenzene</i>	101		75-120	%REC	1	02/29/12 06:25 PM
<i>Surr: Dibromofluoromethane</i>	98.9		85-115	%REC	1	02/29/12 06:25 PM
<i>Surr: Toluene-d8</i>	98.2		85-120	%REC	1	02/29/12 06:25 PM

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

# ALS Group USA, Corp

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** Trip Blank #2

**Lab ID:** 1202643-06

**Collection Date:** 02/21/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>BG</b>
1,1,1-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,1,2,2-Tetrachloroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,1,2-Trichloroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,1,2-Trichlorotrifluoroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,1-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,1-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,2,4-Trichlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,2-Dibromo-3-chloropropane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,2-Dibromoethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,2-Dichlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,2-Dichloroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
1,2-Dichloropropane	ND		0.0020	mg/L	1	02/29/12 06:00 PM
1,3-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 06:00 PM
1,4-Dichlorobenzene	ND		0.0020	mg/L	1	02/29/12 06:00 PM
2-Butanone	ND		0.0050	mg/L	1	02/29/12 06:00 PM
2-Hexanone	ND		0.0050	mg/L	1	02/29/12 06:00 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	02/29/12 06:00 PM
Acetone	ND		0.020	mg/L	1	02/29/12 06:00 PM
Benzene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Bromodichloromethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Bromoform	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Bromomethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Carbon disulfide	ND		0.0025	mg/L	1	02/29/12 06:00 PM
Carbon tetrachloride	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Chlorobenzene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Chloroethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Chloroform	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Chloromethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
cis-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
cis-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Cyclohexane	ND		0.0050	mg/L	1	02/29/12 06:00 PM
Dibromochloromethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Dichlorodifluoromethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Ethylbenzene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Isopropylbenzene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Methyl acetate	ND		0.0020	mg/L	1	02/29/12 06:00 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	02/29/12 06:00 PM
Methylcyclohexane	ND		0.0050	mg/L	1	02/29/12 06:00 PM
Methylene chloride	ND		0.0050	mg/L	1	02/29/12 06:00 PM

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

**ALS Group USA, Corp**

Date: 06-Mar-12

**Client:** Weston Solutions, Inc

**Project:** 20405.016.001.17XX.00/ E Sandusky Co Dumps

**Work Order:** 1202643

**Sample ID:** Trip Blank #2

**Lab ID:** 1202643-06

**Collection Date:** 02/21/12

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Styrene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Tetrachloroethene	ND		0.0020	mg/L	1	02/29/12 06:00 PM
Toluene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
trans-1,2-Dichloroethene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
trans-1,3-Dichloropropene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Trichloroethene	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Trichlorofluoromethane	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Vinyl chloride	ND		0.0010	mg/L	1	02/29/12 06:00 PM
Xylenes, Total	ND		0.0030	mg/L	1	02/29/12 06:00 PM
Surr: 1,2-Dichloroethane-d4	97.0		70-120	%REC	1	02/29/12 06:00 PM
Surr: 4-Bromofluorobenzene	98.2		75-120	%REC	1	02/29/12 06:00 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	02/29/12 06:00 PM
Surr: Toluene-d8	98.9		85-120	%REC	1	02/29/12 06:00 PM

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



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

**Date:** March 20, 2012

**Laboratory:** Air Toxics Ltd. (Air Toxics), Folsom, California

**Laboratory Project #:** 1202547

**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 eight air samples collected for the Eastern Sandusky County Dumps that were analyzed for Volatile Organic Compounds (VOC) by U.S. Environmental Protection Agency (U.S. EPA) Method TO-15.

A level II data package was requested from Air Toxics. 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. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

**VOCs BY U.S. EPA METHOD TO-15**

**1. Samples**

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

<b>Samples</b>	<b>Lab ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Analyzed</b>
CD-B03-V01-022312	1202547-01A	Air	2/23/2012	3/1/2012
AL-B02-V01-022012	1202547-02A	Air	2/20/2012	3/1/2012
AL-B01-V01-022012	1202547-03A	Air	2/20/2012	3/1/2012
GD-B09-V01-022112	1202547-04A	Air	2/21/2012	3/1/2012
GC-B03-V01-022112	1202547-05A	Air	2/21/2012	3/1/2012
GC-B02-V01-022112	1202547-06A	Air	2/21/2012	3/1/2012
BS-B02-V01-022212	1202547-07A	Air	2/22/2012	3/1/2012
CD-B01-V01-022312	1202547-08A	Air	2/23/2012	3/1/2012

**2. Holding Times**

The samples were analyzed within the required holding time limit of 30 days from sample collection.

**3. Blanks**

A method blank was analyzed with the VOC analysis and was free of target compound contamination above the reporting limit.

**4. Surrogate Results**

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

**5. Continuing Calibration Results**

The continuing calibration results were within the QC limits for percent recovery.

**6. Laboratory Control Sample (LCS) Results**

The LCS and LCS duplicate (LCSD) recoveries were within laboratory QC limits.

**7. Overall Assessment**

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

Data Validation Report  
Eastern Sandusky County Dumps  
Air Toxics Ltd.  
Laboratory Project #: 1202547

**ATTACHMENT**

**AIR TOXICS LTD.  
RESULTS SUMMARY**



Air Toxics

Client Sample ID: CD-B03-V01-022312

Lab ID#: 1202547-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022920	Date of Collection:	2/23/12 12:05:00 PM
Dil. Factor:	1.58	Date of Analysis:	3/1/12 08:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.79	Not Detected	3.9	Not Detected
Freon 114	0.79	Not Detected	5.5	Not Detected
Chloromethane	7.9	Not Detected	16	Not Detected
Vinyl Chloride	0.79	Not Detected	2.0	Not Detected
1,3-Butadiene	0.79	Not Detected	1.7	Not Detected
Bromomethane	7.9	Not Detected	31	Not Detected
Chloroethane	3.2	Not Detected	8.3	Not Detected
Freon 11	0.79	Not Detected	4.4	Not Detected
Ethanol	3.2	4.7	6.0	8.8
Freon 113	0.79	Not Detected	6.0	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Acetone	7.9	27	19	64
2-Propanol	3.2	Not Detected	7.8	Not Detected
Carbon Disulfide	3.2	11	9.8	33
3-Chloropropene	3.2	Not Detected	9.9	Not Detected
Methylene Chloride	7.9	Not Detected	27	Not Detected
Methyl tert-butyl ether	0.79	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Hexane	0.79	18	2.8	62
1,1-Dichloroethane	0.79	2.2	3.2	9.0
2-Butanone (Methyl Ethyl Ketone)	3.2	3.3	9.3	9.7
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.79	Not Detected	2.3	Not Detected
Chloroform	0.79	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.79	1.4	4.3	7.4
Cyclohexane	0.79	3.4	2.7	12
Carbon Tetrachloride	0.79	Not Detected	5.0	Not Detected
2,2,4-Trimethylpentane	0.79	5.7	3.7	27
Benzene	0.79	9.4	2.5	30
1,2-Dichloroethane	0.79	Not Detected	3.2	Not Detected
Heptane	0.79	6.2	3.2	25
Trichloroethene	0.79	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.79	Not Detected	3.6	Not Detected
1,4-Dioxane	3.2	Not Detected	11	Not Detected
Bromodichloromethane	0.79	Not Detected	5.3	Not Detected
cis-1,3-Dichloropropene	0.79	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.79	Not Detected	3.2	Not Detected
Toluene	0.79	320	3.0	1200
trans-1,3-Dichloropropene	0.79	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Tetrachloroethene	0.79	1.6	5.4	10
2-Hexanone	3.2	Not Detected	13	Not Detected



Air Toxics

Client Sample ID: CD-B03-V01-022312

Lab ID#: 1202547-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022920	Date of Collection:	2/23/12 12:05:00 PM
Dil. Factor:	1.58	Date of Analysis:	3/1/12 08:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.79	Not Detected	6.7	Not Detected
1,2-Dibromoethane (EDB)	0.79	Not Detected	6.1	Not Detected
Chlorobenzene	0.79	Not Detected	3.6	Not Detected
Ethyl Benzene	0.79	3.3	3.4	14
m,p-Xylene	0.79	9.6	3.4	42
o-Xylene	0.79	2.8	3.4	12
Styrene	0.79	Not Detected	3.4	Not Detected
Bromoform	0.79	Not Detected	8.2	Not Detected
Cumene	0.79	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.79	Not Detected	5.4	Not Detected
Propylbenzene	0.79	Not Detected	3.9	Not Detected
4-Ethyltoluene	0.79	1.2	3.9	5.8
1,3,5-Trimethylbenzene	0.79	Not Detected	3.9	Not Detected
1,2,4-Trimethylbenzene	0.79	Not Detected	3.9	Not Detected
1,3-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.79	0.86	4.8	5.2
alpha-Chlorotoluene	0.79	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.79	Not Detected	4.7	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	23	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: AL-B02-V01-022012

Lab ID#: 1202547-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022921	Date of Collection:	2/20/12 3:18:00 PM
Dil. Factor:	1.49	Date of Analysis:	3/1/12 08:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.74	Not Detected	3.7	Not Detected
Freon 114	0.74	Not Detected	5.2	Not Detected
Chloromethane	7.4	Not Detected	15	Not Detected
Vinyl Chloride	0.74	Not Detected	1.9	Not Detected
1,3-Butadiene	0.74	Not Detected	1.6	Not Detected
Bromomethane	7.4	Not Detected	29	Not Detected
Chloroethane	3.0	Not Detected	7.9	Not Detected
Freon 11	0.74	Not Detected	4.2	Not Detected
Ethanol	3.0	3.4	5.6	6.5
Freon 113	0.74	Not Detected	5.7	Not Detected
1,1-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Acetone	7.4	61	18	140
2-Propanol	3.0	Not Detected	7.3	Not Detected
Carbon Disulfide	3.0	Not Detected	9.3	Not Detected
3-Chloropropene	3.0	Not Detected	9.3	Not Detected
Methylene Chloride	7.4	Not Detected	26	Not Detected
Methyl tert-butyl ether	0.74	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Hexane	0.74	1.3	2.6	4.4
1,1-Dichloroethane	0.74	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.0	Not Detected	8.8	Not Detected
cis-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.74	Not Detected	2.2	Not Detected
Chloroform	0.74	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Cyclohexane	0.74	Not Detected	2.6	Not Detected
Carbon Tetrachloride	0.74	Not Detected	4.7	Not Detected
2,2,4-Trimethylpentane	0.74	Not Detected	3.5	Not Detected
Benzene	0.74	1.8	2.4	5.8
1,2-Dichloroethane	0.74	Not Detected	3.0	Not Detected
Heptane	0.74	1.8	3.0	7.2
Trichloroethene	0.74	Not Detected	4.0	Not Detected
1,2-Dichloropropane	0.74	Not Detected	3.4	Not Detected
1,4-Dioxane	3.0	Not Detected	11	Not Detected
Bromodichloromethane	0.74	Not Detected	5.0	Not Detected
cis-1,3-Dichloropropene	0.74	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.74	1.7	3.0	7.0
Toluene	0.74	30	2.8	110
trans-1,3-Dichloropropene	0.74	Not Detected	3.4	Not Detected
1,1,2-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Tetrachloroethene	0.74	7.6	5.0	51
2-Hexanone	3.0	Not Detected	12	Not Detected



Air Toxics

Client Sample ID: AL-B02-V01-022012

Lab ID#: 1202547-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022921	Date of Collection:	2/20/12 3:18:00 PM
Dil. Factor:	1.49	Date of Analysis:	3/1/12 08:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.74	Not Detected	6.3	Not Detected
1,2-Dibromoethane (EDB)	0.74	Not Detected	5.7	Not Detected
Chlorobenzene	0.74	Not Detected	3.4	Not Detected
Ethyl Benzene	0.74	5.2	3.2	22
m,p-Xylene	0.74	21	3.2	91
o-Xylene	0.74	6.9	3.2	30
Styrene	0.74	Not Detected	3.2	Not Detected
Bromoform	0.74	Not Detected	7.7	Not Detected
Cumene	0.74	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.74	Not Detected	5.1	Not Detected
Propylbenzene	0.74	1.0	3.7	4.9
4-Ethyltoluene	0.74	3.6	3.7	18
1,3,5-Trimethylbenzene	0.74	1.1	3.7	5.5
1,2,4-Trimethylbenzene	0.74	3.8	3.7	19
1,3-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,4-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
alpha-Chlorotoluene	0.74	Not Detected	3.8	Not Detected
1,2-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,2,4-Trichlorobenzene	3.0	Not Detected	22	Not Detected
Hexachlorobutadiene	3.0	Not Detected	32	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: AL-B01-V01-022012

Lab ID#: 1202547-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022922	Date of Collection:	2/20/12 3:38:00 PM
Dil. Factor:	2.38	Date of Analysis:	3/1/12 09:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	46	Not Detected
Chloroethane	4.8	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	12	66	28	160
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	41	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	2.6	4.2	9.3
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	1.3	5.6	5.9
Benzene	1.2	3.3	3.8	11
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	3.0	4.9	12
Trichloroethene	1.2	3.8	6.4	20
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	1.9	4.9	7.9
Toluene	1.2	220	4.5	810
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	2.9	8.1	20
2-Hexanone	4.8	Not Detected	19	Not Detected





Client Sample ID: AL-B01-V01-022012

Lab ID#: 1202547-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022922	Date of Collection:	2/20/12 3:38:00 PM
Dil. Factor:	2.38	Date of Analysis:	3/1/12 09:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	4.3	5.2	19
m,p-Xylene	1.2	15	5.2	64
o-Xylene	1.2	5.0	5.2	22
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	2.9	5.8	14
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	2.5	5.8	12
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: GD-B09-V01-022112

Lab ID#: 1202547-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022923	Date of Collection:	2/21/12 10:25:00 AM
Dil. Factor:	2.07	Date of Analysis:	3/1/12 09:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.1	Not Detected
Freon 114	1.0	Not Detected	7.2	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.1	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.8	Not Detected
Ethanol	4.1	4.5	7.8	8.4
Freon 113	1.0	Not Detected	7.9	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	34	24	81
2-Propanol	4.1	Not Detected	10	Not Detected
Carbon Disulfide	4.1	Not Detected	13	Not Detected
3-Chloropropene	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.7	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	2.2	3.6	7.7
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.5	Not Detected
2,2,4-Trimethylpentane	1.0	1.2	4.8	5.7
Benzene	1.0	1.9	3.3	6.0
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	1.8	4.2	7.2
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.1	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	6.9	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	3.1	4.2	12
Toluene	1.0	240	3.9	930
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Tetrachloroethene	1.0	1.7	7.0	11
2-Hexanone	4.1	Not Detected	17	Not Detected



Air Toxics

Client Sample ID: GD-B09-V01-022112

Lab ID#: 1202547-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022923	Date of Collection:	2/21/12 10:25:00 AM
Dil. Factor:	2.07	Date of Analysis:	3/1/12 09:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	3.9	4.5	17
m,p-Xylene	1.0	14	4.5	62
o-Xylene	1.0	4.7	4.5	20
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.1	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
4-Ethyltoluene	1.0	2.8	5.1	14
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	2.5	5.1	12
1,3-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	31	Not Detected
Hexachlorobutadiene	4.1	Not Detected	44	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: GC-B03-V01-022112

Lab ID#: 1202547-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022924	Date of Collection:	2/21/12 3:24:00 PM
Dil. Factor:	1.61	Date of Analysis:	3/1/12 09:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.80	49	4.0	240
Freon 114	0.80	Not Detected	5.6	Not Detected
Chloromethane	8.0	Not Detected	17	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Bromomethane	8.0	Not Detected	31	Not Detected
Chloroethane	3.2	Not Detected	8.5	Not Detected
Freon 11	0.80	40	4.5	230
Ethanol	3.2	Not Detected	6.1	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Acetone	8.0	Not Detected	19	Not Detected
2-Propanol	3.2	Not Detected	7.9	Not Detected
Carbon Disulfide	3.2	Not Detected	10	Not Detected
3-Chloropropene	3.2	Not Detected	10	Not Detected
Methylene Chloride	8.0	Not Detected	28	Not Detected
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	Not Detected	9.5	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.80	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.1	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Heptane	0.80	Not Detected	3.3	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
1,4-Dioxane	3.2	Not Detected	12	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
cis-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
Toluene	0.80	6.1	3.0	23
trans-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
2-Hexanone	3.2	Not Detected	13	Not Detected



Air Toxics

Client Sample ID: GC-B03-V01-022112

Lab ID#: 1202547-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022924	Date of Collection:	2/21/12 3:24:00 PM
Dil. Factor:	1.61	Date of Analysis:	3/1/12 09:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.2	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	2.4	3.5	11
o-Xylene	0.80	Not Detected	3.5	Not Detected
Styrene	0.80	Not Detected	3.4	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
Cumene	0.80	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
Propylbenzene	0.80	Not Detected	4.0	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
1,3,5-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.80	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	24	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: GC-B02-V01-022112

Lab ID#: 1202547-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022925	Date of Collection:	2/21/12 5:03:00 PM
Dil. Factor:	1.55	Date of Analysis:	3/1/12 10:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	2.9	3.8	14
Freon 114	0.78	Not Detected	5.4	Not Detected
Chloromethane	7.8	Not Detected	16	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Bromomethane	7.8	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
Freon 11	0.78	1.7	4.4	9.5
Ethanol	3.1	3.8	5.8	7.2
Freon 113	0.78	Not Detected	5.9	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Acetone	7.8	86	18	200
2-Propanol	3.1	Not Detected	7.6	Not Detected
Carbon Disulfide	3.1	4.2	9.6	13
3-Chloropropene	3.1	Not Detected	9.7	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
Methyl tert-butyl ether	0.78	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Hexane	0.78	6.7	2.7	24
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	5.9	9.1	17
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.78	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Cyclohexane	0.78	3.5	2.7	12
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
2,2,4-Trimethylpentane	0.78	1.3	3.6	6.2
Benzene	0.78	24	2.5	75
1,2-Dichloroethane	0.78	Not Detected	3.1	Not Detected
Heptane	0.78	6.0	3.2	25
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
cis-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.78	2.0	3.2	8.1
Toluene	0.78	53	2.9	200
trans-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Tetrachloroethene	0.78	Not Detected	5.2	Not Detected
2-Hexanone	3.1	Not Detected	13	Not Detected



Client Sample ID: GC-B02-V01-022112

Lab ID#: 1202547-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022925	Date of Collection:	2/21/12 5:03:00 PM
Dil. Factor:	1.55	Date of Analysis:	3/1/12 10:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.78	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	5.0	3.4	22
m,p-Xylene	0.78	12	3.4	51
o-Xylene	0.78	3.8	3.4	17
Styrene	0.78	Not Detected	3.3	Not Detected
Bromoform	0.78	Not Detected	8.0	Not Detected
Cumene	0.78	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.3	Not Detected
Propylbenzene	0.78	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.78	0.83	3.8	4.1
1,3,5-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: BS-B02-V01-022212

Lab ID#: 1202547-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022926	Date of Collection:	2/22/12 11:02:00 AM
Dil. Factor:	1.58	Date of Analysis:	3/1/12 10:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.79	Not Detected	3.9	Not Detected
Freon 114	0.79	Not Detected	5.5	Not Detected
Chloromethane	7.9	13	16	26
Vinyl Chloride	0.79	1.4	2.0	3.7
1,3-Butadiene	0.79	Not Detected	1.7	Not Detected
Bromomethane	7.9	Not Detected	31	Not Detected
Chloroethane	3.2	6.3	8.3	17
Freon 11	0.79	Not Detected	4.4	Not Detected
Ethanol	3.2	16	6.0	30
Freon 113	0.79	Not Detected	6.0	Not Detected
1,1-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Acetone	7.9	140	19	340
2-Propanol	3.2	Not Detected	7.8	Not Detected
Carbon Disulfide	3.2	Not Detected	9.8	Not Detected
3-Chloropropene	3.2	Not Detected	9.9	Not Detected
Methylene Chloride	7.9	Not Detected	27	Not Detected
Methyl tert-butyl ether	0.79	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Hexane	0.79	5.1	2.8	18
1,1-Dichloroethane	0.79	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	12	9.3	37
cis-1,2-Dichloroethene	0.79	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.79	Not Detected	2.3	Not Detected
Chloroform	0.79	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Cyclohexane	0.79	1.4	2.7	4.8
Carbon Tetrachloride	0.79	Not Detected	5.0	Not Detected
2,2,4-Trimethylpentane	0.79	0.88	3.7	4.1
Benzene	0.79	6.2	2.5	20
1,2-Dichloroethane	0.79	Not Detected	3.2	Not Detected
Heptane	0.79	2.9	3.2	12
Trichloroethene	0.79	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.79	Not Detected	3.6	Not Detected
1,4-Dioxane	3.2	Not Detected	11	Not Detected
Bromodichloromethane	0.79	Not Detected	5.3	Not Detected
cis-1,3-Dichloropropene	0.79	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.79	13	3.2	53
Toluene	0.79	26	3.0	97
trans-1,3-Dichloropropene	0.79	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.79	Not Detected	4.3	Not Detected
Tetrachloroethene	0.79	1.6	5.4	11
2-Hexanone	3.2	Not Detected	13	Not Detected





Client Sample ID: BS-B02-V01-022212

Lab ID#: 1202547-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022926	Date of Collection:	2/22/12 11:02:00 AM
Dil. Factor:	1.58	Date of Analysis:	3/1/12 10:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.79	Not Detected	6.7	Not Detected
1,2-Dibromoethane (EDB)	0.79	Not Detected	6.1	Not Detected
Chlorobenzene	0.79	Not Detected	3.6	Not Detected
Ethyl Benzene	0.79	4.5	3.4	19
m,p-Xylene	0.79	14	3.4	59
o-Xylene	0.79	4.9	3.4	21
Styrene	0.79	Not Detected	3.4	Not Detected
Bromoform	0.79	Not Detected	8.2	Not Detected
Cumene	0.79	Not Detected	3.9	Not Detected
1,1,2,2-Tetrachloroethane	0.79	Not Detected	5.4	Not Detected
Propylbenzene	0.79	0.94	3.9	4.6
4-Ethyltoluene	0.79	3.2	3.9	16
1,3,5-Trimethylbenzene	0.79	0.84	3.9	4.1
1,2,4-Trimethylbenzene	0.79	2.0	3.9	9.8
1,3-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.79	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.79	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.79	Not Detected	4.7	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	23	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: CD-B01-V01-022312

Lab ID#: 1202547-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022927	Date of Collection:	2/23/12 3:55:00 PM
Dil. Factor:	1.49	Date of Analysis:	3/1/12 10:57 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.74	4.4	3.7	22
Freon 114	0.74	32	5.2	220
Chloromethane	7.4	Not Detected	15	Not Detected
Vinyl Chloride	0.74	0.80	1.9	2.0
1,3-Butadiene	0.74	Not Detected	1.6	Not Detected
Bromomethane	7.4	Not Detected	29	Not Detected
Chloroethane	3.0	Not Detected	7.9	Not Detected
Freon 11	0.74	Not Detected	4.2	Not Detected
Ethanol	3.0	6.3	5.6	12
Freon 113	0.74	Not Detected	5.7	Not Detected
1,1-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Acetone	7.4	47	18	110
2-Propanol	3.0	Not Detected	7.3	Not Detected
Carbon Disulfide	3.0	5.3	9.3	16
3-Chloropropene	3.0	Not Detected	9.3	Not Detected
Methylene Chloride	7.4	Not Detected	26	Not Detected
Methyl tert-butyl ether	0.74	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Hexane	0.74	19	2.6	67
1,1-Dichloroethane	0.74	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.0	4.6	8.8	14
cis-1,2-Dichloroethene	0.74	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.74	Not Detected	2.2	Not Detected
Chloroform	0.74	Not Detected	3.6	Not Detected
1,1,1-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Cyclohexane	0.74	4.7	2.6	16
Carbon Tetrachloride	0.74	Not Detected	4.7	Not Detected
2,2,4-Trimethylpentane	0.74	8.2	3.5	38
Benzene	0.74	10	2.4	33
1,2-Dichloroethane	0.74	Not Detected	3.0	Not Detected
Heptane	0.74	5.4	3.0	22
Trichloroethene	0.74	Not Detected	4.0	Not Detected
1,2-Dichloropropane	0.74	Not Detected	3.4	Not Detected
1,4-Dioxane	3.0	Not Detected	11	Not Detected
Bromodichloromethane	0.74	Not Detected	5.0	Not Detected
cis-1,3-Dichloropropene	0.74	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.74	5.0	3.0	20
Toluene	0.74	29	2.8	110
trans-1,3-Dichloropropene	0.74	Not Detected	3.4	Not Detected
1,1,2-Trichloroethane	0.74	Not Detected	4.1	Not Detected
Tetrachloroethene	0.74	1.2	5.0	7.8
2-Hexanone	3.0	Not Detected	12	Not Detected



Client Sample ID: CD-B01-V01-022312

Lab ID#: 1202547-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3022927	Date of Collection:	2/23/12 3:55:00 PM
Dil. Factor:	1.49	Date of Analysis:	3/1/12 10:57 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.74	Not Detected	6.3	Not Detected
1,2-Dibromoethane (EDB)	0.74	Not Detected	5.7	Not Detected
Chlorobenzene	0.74	Not Detected	3.4	Not Detected
Ethyl Benzene	0.74	2.7	3.2	12
m,p-Xylene	0.74	8.7	3.2	38
o-Xylene	0.74	2.8	3.2	12
Styrene	0.74	Not Detected	3.2	Not Detected
Bromoform	0.74	Not Detected	7.7	Not Detected
Cumene	0.74	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.74	Not Detected	5.1	Not Detected
Propylbenzene	0.74	Not Detected	3.7	Not Detected
4-Ethyltoluene	0.74	1.2	3.7	5.8
1,3,5-Trimethylbenzene	0.74	Not Detected	3.7	Not Detected
1,2,4-Trimethylbenzene	0.74	0.83	3.7	4.1
1,3-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,4-Dichlorobenzene	0.74	0.83	4.5	5.0
alpha-Chlorotoluene	0.74	Not Detected	3.8	Not Detected
1,2-Dichlorobenzene	0.74	Not Detected	4.5	Not Detected
1,2,4-Trichlorobenzene	3.0	Not Detected	22	Not Detected
Hexachlorobutadiene	3.0	Not Detected	32	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	101	70-130