Description of Current Conditions Report
ADDENDUM

Lake Shore Foundry Co., Inc.
653 S. Market Street
Waukegan, Lake County, Illinois 60085

August 12, 2008

Submitted to:

US EPA Region V
Land and Chemicals Division
Remediation and Reuse Branch
Corrective Action Section
Mail Code LU-9J

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1. Introduction

A Description of Current Conditions (DOCC) Report and Work Plan was previously submitted to USEPA on March 20, 2008. In that report, a Work Plan for conducting further site investigation was proposed. USEPA toured the property on March 9, 2008 to review proposed sample locations. USEPA issued comments on the Work Plan in a letter dated May 28, 2008. Various email and telephone communications were utilized to clarify comments and finalize the scope of the sampling program. On June 12, 2008 a final summary sampling plan was agreed upon. Field sampling work and monitoring well installations were conducted on June 17 and 18, 2008.

On July 21 and August 5, 2008 contractors conducted further soil excavation, treatment, and off-site disposal at one remaining location of the property where an elevated TCLP lead sample was obtained during the January 2008 interim measures removal work.

This report provides an Addendum to the DOCC Report and presents the findings and analysis of the June 2008 soil, sediment and groundwater sampling and documents the additional soil removal.

2. Site Location Information

Figure 1 shows the location of this study area and surrounding sites imposed on a 2002 aerial photo. The Site is at 653 Market Street in Waukegan, Lake County, Illinois 60085. The dimensions of the property are approximately 270 feet north-south and 135 feet east-west. The 0.77 acre Lake Shore Foundry (LSF) property contains a single corrugated metal building. The Facility is located on the western shoreline of Lake Michigan. The Elgin, Joliet, and Eastern (EJ&E) railroad borders the facility on the west and north side. Lake Michigan borders the facility on the east side and the City of Waukegan owns the property to the south of the facility as road right of way.

3. Findings of Facility Investigation

Supplemental sampling was conducted on the facility in June 2008 at the request of EPA. In order to fully understand the nature and extent of contamination from the site, considering the 100-year industrial history of the property, additional soil, sediment and groundwater samples were collected from the property and analyzed for volatile organic carbons and semi-volatile organic carbons (VOCs and SVOCs) in addition to Appendix IX metals including lead.

3.1 Groundwater Monitoring Wells and Sampling/Analysis

Four (4) new monitoring wells were installed and one existing upgradient (west of property) monitoring well was sampled. Figure 3 shows the groundwater well locations.

Due to the presence of buried concrete rubble across the study area, a truck-mounted drill rig was used for the monitoring well installation work. Typically, 4-inch diameter solid stem augurs (SSAs) were employed to penetrate the buried rubble fill. Soil samples were collected where soils were present above and below the rubble zone. Once the rubble was fully penetrated, 4.25-inch inside diameter hollow stem augurs (HSAs) was utilized for the remainder of the borehole advancement. All four boreholes were advanced to 20 feet below grade.

Wells were constructed within the HSAs, using 2-inch diameter Schedule 40 PVC materials. The screens were all installed from 10 to 20 feet below grade, with artificial sand packs up to 8 feet below grade. Bentonite pellets were placed from 1 to 8 feet below grade. A concrete collar and flush-mounted steel protector were installed in the upper 1 foot. The IEPA-formatted Well Completion Reports are presented in Appendix B.

Based on soil samples collected, the concrete rubble zone typically occurred between 2.5 and 13 feet below grade. A natural gray silty to clayey coarse to fine sand layer was present below the rubble zone, with a thickness ranging from 0.5 to 5 feet. The sand layer was under saturated conditions. Gray silty clay till was present below the saturated sand layer. The till was noted as being very stiff to hard, and under moist conditions. Detailed logs documenting the soil conditions are presented in Appendix B.

Subsequent to well installation, static water level and field parameter readings (i.e., pH, temperature, and specific conductivity) were measured. The wells were purged until field parameter readings stabilized. Once water levels recharge to within 90% of the original static water level readings, groundwater samples were collected. Samples were sent to Test America Labs, Inc. and analyzed for total and dissolved Appendix IX metals including lead.

LSFMW-01	1 + trip blank	VOC, SVOC, Total + Diss. Appendix IX metals
LSFMW-02	1	Total + Diss. Appendix IX Metals
LSFMW-03	1	Total + Diss. Appendix IX Metals
LSF-MW-04	1	Total + Diss. Appendix IX Metals
Existing South Background MW	1	Total + Diss. Appendix IX Metals
Existing North Background MW	1	Provide data from past sampling

All four wells including the existing background well were surveyed to the nearest 0.01 foot elevation. Static water levels were recorded to the nearest 0.01 foot with respect to the top of PVC riser pipe. According to the onsite static water level readings, the groundwater elevations ranged from 579.11 to 581.39 feet above mean sea level (MSL). Groundwater flow was documented to be easterly across the study area, having an average hydraulic gradient of 0.02 feet per foot.

Based on Darcy's Law [i.e., where groundwater velocity (V) equals the hydraulic conductivity (K) times the hydraulic gradient (i), divided by the soil porosity (n)], it is estimated that the shallow groundwater velocity across the property averages $1.4x10^{-1}$ feet per day. This range assumes a conservative K value of $1x10^{-3}$ centimeters per second, and a soil porosity of 40%. The K value was obtained from in-situ hydraulic conductivity testing from monitoring wells installed on adjacent industrial properties within the same soil depths occurring between 10 and 20 feet below grade.

In summary, the groundwater flow pattern across the study area shows a decreasing elevation towards Lake Michigan. Groundwater from the study area and surrounding properties does appear to discharge into Lake Michigan.

3.2 Sediment Sampling & Analysis

Four (4) sediment samples were collected to address concerns regarding potential impact of human exposure to sediments at the adjacent Lake Michigan beachfront area. Sediment samples were collected northeast and southeast of the LSF study area which correspond to accessible areas of the side gradient property. All sediment samples were analyzed for total Appendix IX metals; one sample was analyzed for VOCs, SVOCs. **Figure 2** illustrates the sediment sample locations.

Location	# Samples	Analysis
North	1 + trip blank	VOC, SVOC, Appendix IX metals
North	1	Appendix IX Metals
South	2	Appendix IX Metals

3.3 Additional Soil Sampling

Extensive soil sampling has been conducted across the site during interim measures work. Four additional soil samples were collected from surface (0 to 6 inch) and near surface (6 to 24-inch). Figure 2 shows the additional soil sample locations, including locations on the small, isolated beaches north and south of the property. Soil samples were analyzed for the following analytical suite:

Location	# Samples	Analysis
Beach-North	5 + dup	Appendix IX metals
Beach-South	5 +dup	Appendix IX metals
SP-23	2 (0-6"), (6"-24")	VOC, SVOC, Appendix IX metals
SP-22	2 (0-6"), (6"-24")	Appendix IX Metals
SP-19-20	2 (0-6"), (6"-24")	Appendix IX Metals
SP-19-16	2 (0-6"), (6"-24")	Appendix IX Metals

4. Updated Analysis of Risks and Potential Risks

4.1 Nature and Extent of Contamination

4.1.1 Soil (Surface and Subsurface)

One confirmation sample from the Interim Measures, collected near the building, contained an elevated concentration of TCLP lead. On July 21 and August 5, 2008 contractors conducted further soil excavation, treatment, and off-site disposal at this one remaining location.

Two soil samples were collected in June 2008 on the Facility in between SP-19 and SP-16 as well as two samples taken close to previous SP-22 and SP-23 locations. In addition, the two sandy beach areas to the north and to the south of the facility were sampled; five samples were collected from each area. No VOCs were detected in the Facility soil samples (Table E-2). While several SVOCs, primarily PAHs, were detected in soil, no concentrations exceeded IEPA Tier 1 residential, commercial/industrial, and construction worker soil remediation objectives and/or IEPA background levels (Tables E-3 and E-4).

None of the metals in Facility soil exceeded IEPA Tier 1 residential, commercial/industrial or construction worker soil remediation objectives for the ingestion or inhalation exposure routes (Table E-1). The lead concentrations in the 0-6" and 6-24" supplemental soil samples did not exceed the USEPA Region 9 residential PRG and the IEPA (35 IAC Part 742) residential SRO for lead (Table E-1). The arithmetic average concentration of lead in surface soil throughout the Facility, defined as 0-2 ft bgs, did not exceed the industrial PRG (Table 1). The dataset used in the averaging included the 16 original investigative sample locations not impacted by the removal (Table 4 of the Interim Measures Report), the 15 post-excavation locations sampled upon completion of the soil removal (Table 2 of the Interim Measures Completion Report), and the Supplemental Sampling Results. Concentrations of chromium (SP-23, 0-6") and lead (SP-19-20, 0-6", SP-19-16, 0-6"; SP-23, 0-6", and SP-23, 6-24") exceed IEPA Tier 1 soil migration to groundwater objectives in Facility Area soil; no other detected chemicals (i.e, VOCs, SVOCs, and the remaining metals) exceed these objectives. Concentrations of VOCs, SVOCs, and metals in beach soil do not exceed migration to groundwater IEPA Tier 1 remediation objectives.

None of the metals detected in beach soil exceeded IEPA Tier 1 residential, commercial/industrial or construction worker soil remediation objectives for the ingestion or inhalation exposure routes (Table E-1).

4.1.2 Groundwater

Only one VOC (cis,1-2,dichloroethene) was detected in groundwater. This VOC did not exceed Class I groundwater standard. No SVOCs were detected in groundwater.

Total concentrations of antimony, arsenic, cadmium, chromium, copper, lead, nickel, vanadium, and zinc exceed Class I groundwater standards. Only the dissolved concentration of antimony exceeded its Class I groundwater standard.

4.1.3 Sediment and Surface Water

Sediment samples were collected at each sandy shoreline area located immediately north and south of the facility to evaluate the potential for adverse effects to human health and ecological receptors. No VOCs were detected in the beach sediment sample (Table E-2). While several SVOCs, primarily PAHs, were detected in beach sediment, no concentrations exceeded IEPA Tier 1 residential, commercial/industrial, and construction worker soil remediation objectives (Table E-3). Concentrations of lead in sediment did not exceed Tier 1 soil remediation objectives for the ingestion and inhalation exposure routes. No other metals in sediment exceeded Tier 1 soil remediation objectives for the ingestion and inhalation exposure route.

The lead concentration in sediment did not exceed U.S. EPA ecological screening levels for sediment (Table E-1). The copper and zinc concentrations in the south sediments exceeded U.S. EPA ecological screening levels for sediment (Table E-1). However, the maximum concentrations of copper (130 mg/kg) and zinc (360 mg/kg) do not exceed probable effects concentrations (PECs, 150 mg/kg and 460 mg/kg, respectively) developed for sediment (MacDonald, D.D., C.G. Ingersoll, and T.A. Berger. 2000a. Development and evaluation of consensus-based sediment quality guidelines for freshwater ecosystems. Arch. Environ. Contam. Toxicol. 39:20-31). Probable effects concentrations are an upper effect level at which which toxicity to benthic-dwelling organisms are predicted to be probable.

There are no defined drainage ditches or point source discharges from the Facility to Lake Michigan. Rather, surface runoff and groundwater discharge from the Facility to the lake are the potential contaminant migration pathways. Due to the size of the Lake and the proximity of other adjoining contaminated properties, the nature and extent of contamination of the lake attributable to the Facility could not be ascertained through the collection of surface water samples. Dissolved groundwater sampling and analysis was performed to evaluate the contribution of possible site-related and area-wide background contaminants to surface water. Groundwater concentrations are compared to IEPA drinking water standards (Table F-1) and to ecological surface water screening levels in Table F-2. Dissolved concentrations in groundwater did not exceed groundwater standards, except for antimony. The average dissolved antimony concentration (0.00475 mg/L) does not exceed the groundwater standard (0.006 mg/L).

Ecological screening criteria included U.S. EPA Region 5 ecological screening levels for surface water and IEPA surface water standards for Lake Michigan Basin. The total concentration of mercury exceeded the IEPA standard in MW-02; however, the average groundwater concentration (0.00068 mg/L) does not exceed the IEPA standard of 0.0017 mg/L. The maximum dissolved concentrations of lead and zinc in groundwater exceed the Region 5 ESL; however, these concentrations do not exceed the hardness-based IEPA water quality standard. The dissolved concentration of copper in groundwater exceeds the hardness-based IEPA water quality standard. The average concentration of copper (0.0252 mg/L) in groundwater slightly exceeds the IEPA standard of 0.018 mg/L), though when background concentration (0.0052 mg/L) is subtracted; the dissolved groundwater concentration is similar to the standard.

4.1.4 Air (Indoor and Outdoor)

No indoor or outdoor air samples have been collected. No volatile compounds were detected in the soil or sediments. Thus, volatile compounds are not contaminants of concern for this Facility; therefore, the nature and extent of indoor air contamination does not need to be defined for this Facility.

As contaminated soil particles may become entrained in outdoor air, the nature and extent of outdoor air contamination is defined by comparison of soil concentrations to risk-based criteria for the inhalation exposure route. None of the metals or SVOCs detected in Facility soil, beach soil or beach sediment samples collected during this supplemental sampling exceeded IEPA Tier 1 soil remediation objectives for the inhalation exposure route (Table E-1).

4.2 Summary of Exposure Pathways

4.2.1 Human Exposure

Soil (Surface and Subsurface)

Soil contamination has been documented on this Facility, though interim measures have been implemented to remove this contamination. All residual concentrations of metals, including lead, detected in surface and subsurface soil do not exceed industrial worker risk-based levels for the ingestion exposure route. Areas excavated during the interim action were backfilled with clean crushed concrete aggregate fill and the area was leveled and graded, further limiting exposure to residual contamination. Thus, there is no unacceptable current human exposure to surface and subsurface soil.

Groundwater

There is no current exposure to groundwater on the Facility or downgradient of the Facility. Potable water is supplied by the City of Waukegan. The City of Waukegan has also enacted a groundwater use restriction ordinance that prohibits groundwater use within the South Lakefront Development area, including the entire Lakeshore Foundry site.

Surface Water and Sediment

While workers may incidentally contact surface water and sediment while recreating on the shore during a summer workday, concentrations of chemicals in north and soil beach soils and sediment do not exceed risk-based "levels". Dissolved groundwater samples, used to estimate surface water concentrations, do not exceed groundwater standards.

Outdoor Air

Outdoor air may be contaminated by soil contaminants entrained as particulates in the ambient air. However, no contaminants were found at concentrations that exceeded risk-based levels for the inhalation exposure route. In addition, areas excavated during the interim action were backfilled with clean crushed concrete aggregate fill and the area was leveled and graded. Thus, there is no unacceptable current human exposure to outdoor air.

4.2.2 Migration of Contaminated Groundwater

The remaining area of elevated TCLP lead areas has been treated and removed from the property. Concentrations of chromium and lead in the supplemental Facility area soil samples exceed IEPA Tier 1 soil migration to groundwater objectives. No chemicals detected in beach soil exceed migration to groundwater objectives. While there is a potential for remaining metals concentrations in Facility soils to migrate to groundwater, there is no current exposure to groundwater either on the Facility or down gradient of the Facility.

Lake Michigan forms the eastern property boundary; thus, there is potential for groundwater to discharge to surface water. Discrete concentrations of mercury and copper metals in groundwater measured at one monitoring well (MW-02 located 100 ft. from Lake Michigan) exceed surface water criteria, however overall average concentrations from all wells contributing groundwater flow to the lake equaled or were less than (better than) surface water standards.

4.3 Summary of Current Exposure

4.3.1 Human Exposure

The supplemental Facility soil and beach soil data shows no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of ingestion and inhalation risk-based levels) in soil and outdoor air that can be reasonably expected under current industrial land-use conditions.

Indoor air exposure is not a complete exposure pathway for this Facility because volatile compounds were not detected and are not considered to be contaminants of concern.

The Property receives potable water from the City of Waukegan, and there are no potable wells on the property or downgradient of the property. Because there is no complete pathway between "contamination" in groundwater and human receptors, this exposure pathways is under control.

The sediment data does not show exposures to "contamination" (i.e., no contaminants were in excess of ingestion and inhalation risk-based levels) in sediments in beach areas adjacent to the Facility.

Due to the size of the adjacent waterbody (Lake Michigan) and the contribution from other nearby contaminated properties, surface water analytical data would not provide the information needed to conclude whether this medium has been contaminated. Rather, dissolved groundwater concentration data was used to make a determination on whether exposure to this media could be reasonably expected to be "significant" (i.e., potentially "unacceptable"). Dissolved concentrations in groundwater did not exceed drinking water standards. Thus, this pathway is under control.

4.3.2 Migration of Contaminated Groundwater

Dissolved groundwater analytical data was collected during this supplemental DOCC investigation to make a determination on whether discharge of "contaminated" groundwater into surface water can be shown to be "currently acceptable" (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented). Dissolved metals concentrations in groundwater equaled or were below (better than) surface water quality standards. Thus, this pathway is under control.

5. Steps Taken to Mitigate Current Exposure

Steps taken to demonstrate current exposure is under control and appropriately managed at the Lake Shore Foundry Site include:

- We implemented on-going worker safety precautions.
- We collected groundwater, soil, and sediment data and compared the results to risk-based levels. No soil or sediment concentrations exceeded direct contact risk-based levels. Dissolved groundwater concentrations equaled or were below (better than) surface water standards.
- We established a groundwater use restriction for the property. The City of Waukegan Groundwater Use Restriction Ordinance has accomplished this restriction.

- We completed removal of one small isolated area of TCLP Lead exceedance in soil as illustrated in Figure_4_ and documented via waste disposal manifests presented in Appendix D. On July 21, additional surface soil was treated and transported for off-site disposal on August 5, 2008 at Veolia Landfill in Zion, IL.

References

Reference documents and reports that further describe the site conditions include:

- USEPA Administrative Order on Consent, Effective November 17, 2006
- April 27, 2007 Interim Measures Work Plan and Quality Assurance Project Plan (QAPP) approved by USEPA in letter dated May 15, 2007.
- April 27, 2007 Site Health & Safety Plan
- August 31, 2007 Interim Measures Report approved by USEPA in letter dated October 26, 2007
- January 24, 2008, Interim Measures Completion Report
- March 20, 2008 Description of Current Conditions Report
- May 28, 2008 USEPA Comments on DOCC Report
- June 12, 2008 Summary of Agreed DOCC Field Sampling Plan

Table 1— Average Lead Concentrations for Given Depth

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August 2008
Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

Table 1
Average Lead Concentration in 0-2 ft bgs Surface Soil and Confirmation Samples
Lake Shore Foundry
Waukegan, IL

Client ID	Total Lead Result (mg/kg)	Qualifier
Investigation Samples		
LSF-GP-01(0-6")	260	^ V B
LSF-GP-02(0-6")	2100	^ B V
LSF-GP-03(0-6")	570	^ B V
LSF-GP-04(1.5-2)	210	^ B V
LSF-GP-05(0-6")	230	^ B V
LSF-GP-05(1.5-2)	320	^ B V
LSF-GP-07(0-6")	640	^ B V
LSF-GP-07(1.5-2)	1100	^ B V
LSF-GP-09(0-6")	35	^ B
LSF-GP-12(0-6")	610	^ B
LSF-GP-12(1.5-2)	200	^ B
LSF-GP-13(0-6")	280	^ B
LSF-GP-14(0-6")	24	
LSF-GP-14(1.5-2)	150	
LSF-GP-15(0-6")	180	
LSF-GP-15(1.5-2)	58	
LSF-GP-16(0-6")	170	
LSF-GP-16(1.5-2)	150	
LSF-GP-17(0-6")	36	
LSF-GP-17(1.5-2)	8.1	
LSF-GP-18(0-6")	290	
LSF-GP-18(1.5-2)	70	
LSF-GP-19(0-6")	79	
LSF-GP-20(0-6")	76	
Confirmation Samples		
LSF-1	510	
LSF-2	310	
LSF-3	740	
LSF-3R	760	
LSF-4	34	
LSF-5	770	
LSF-6	110	
LSF-7	1500	
LSF-8	1700	
LSF-8R (average of duplicates)	1050	
LSF-9	880	
LSF-10	530	
LSF-11 (average of duplicates)	745	
LSF-12	900	
LSF-13	1800	
LSF-14	1900	
LSF-15	1200	
DOCC Samples		
LSF-SP-19-20 (0-6")	130	
LSF-SP-19-20 (6-24")	100	
SP-22, 0-6"	100	
SP-22, 6"-24"	51	
SP-23, 0-6"	190	
SP-23, 6"-24"	200	
SP-19-16,0-6"	250	
SP-19-16,6"-24"	98	
Overall Average	**498**	

Qualifiers Notation Key:

B - Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.

^ - ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.

V - Serial dilution exceeds the control limits.

Figure 1— Property Location Map

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Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

Figure 1
Site Location Map
Lake Shore Foundry, Inc.
653 Market St., Waukegan, Lake County, IL. 60085

Figure 2— Soil & Sediment Sample Locations

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Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

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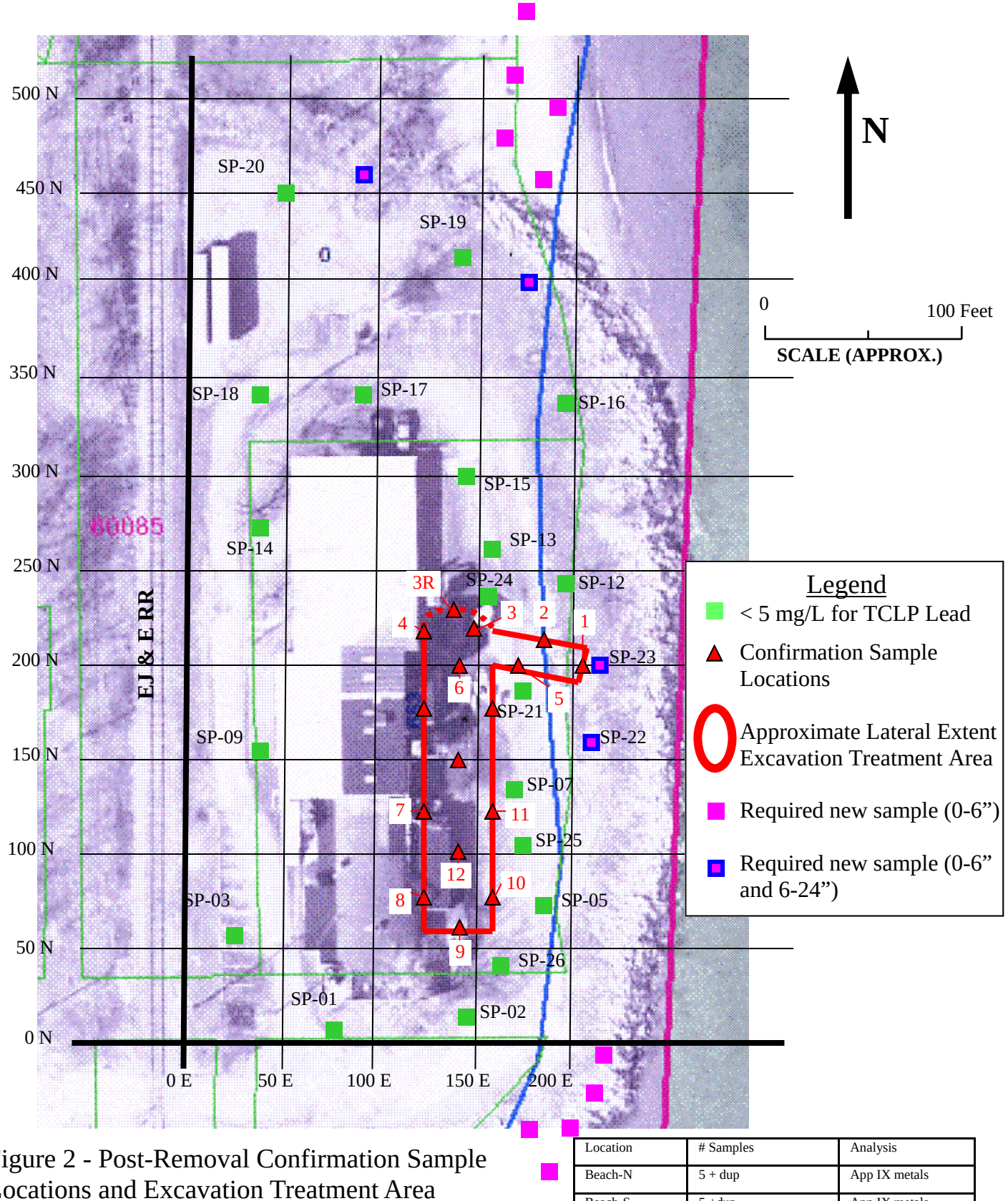

Figure 2 - Post-Removal Confirmation Sample Locations and Excavation Treatment Area
June 12, 2008 EPA Update
Lake Shore Foundry
Waukegan, IL

Location	# Samples	Analysis
Beach-N	5 + dup	App IX metals
Beach-S	5 +dup	App IX metals
SP-23	2 (0-6"), (6"-2')	VOC, SVOC, App IX metals
SP-22	2 (0-6"), (6"-2')	App IX Metals
SP-19-20	2 (0-6"), (6"-2')	App IX Metals
SP-19-16	2 (0-6"), (6"-2')	App IX Metals

Figure 3— Groundwater Well Locations & Groundwater Contour Map

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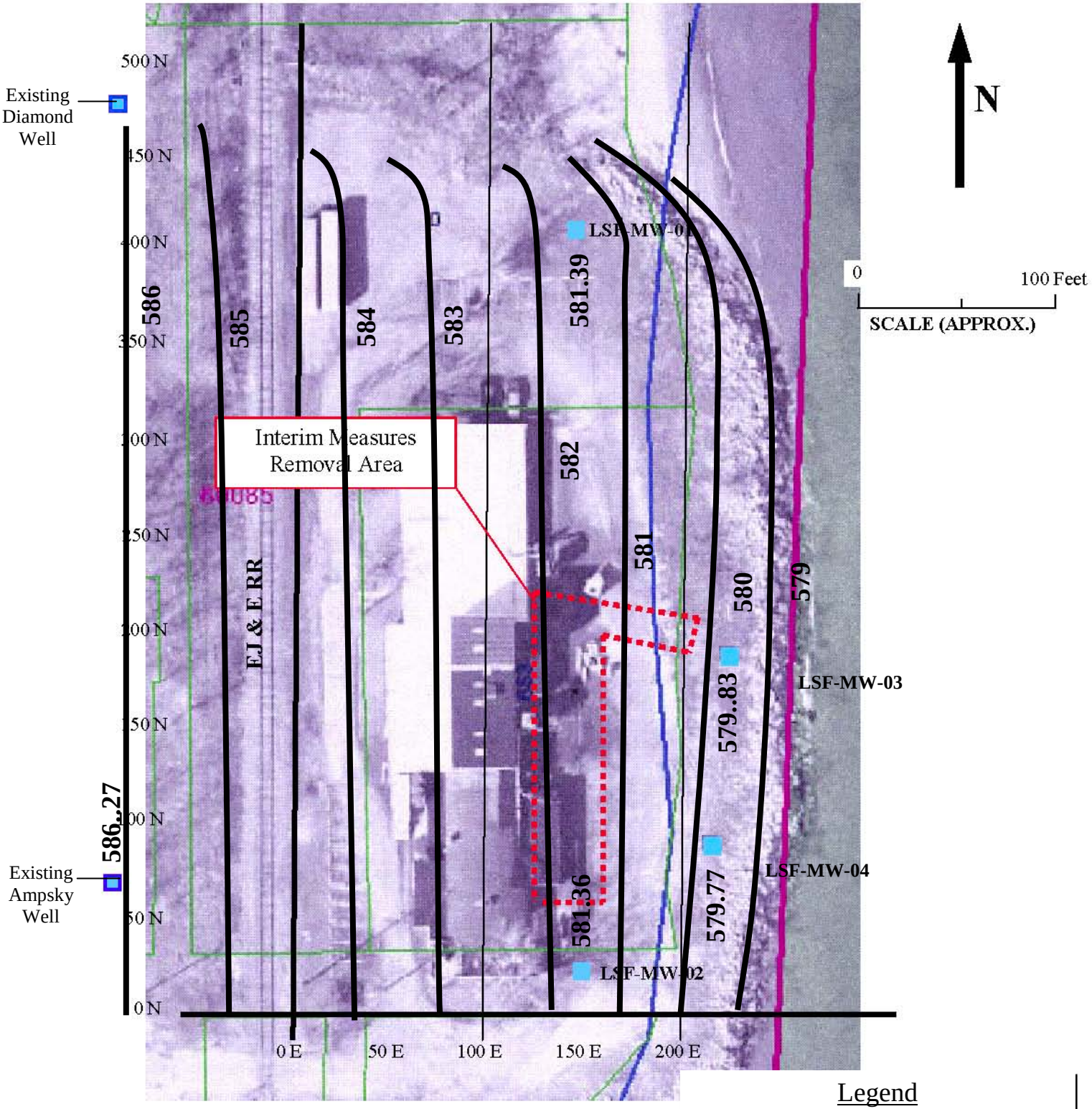

Legend

- New Monitoring Well (GW elevation)
- Existing Monitoring Well (GW elevation)

Figure – Groundwater Sample Locations and Groundwater Elevations, July 2008
Lake Shore Foundry
Waukegan, IL

Figure 4— Area of Additional Soil Excavation, Treatment, and Off-Site Disposal

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Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

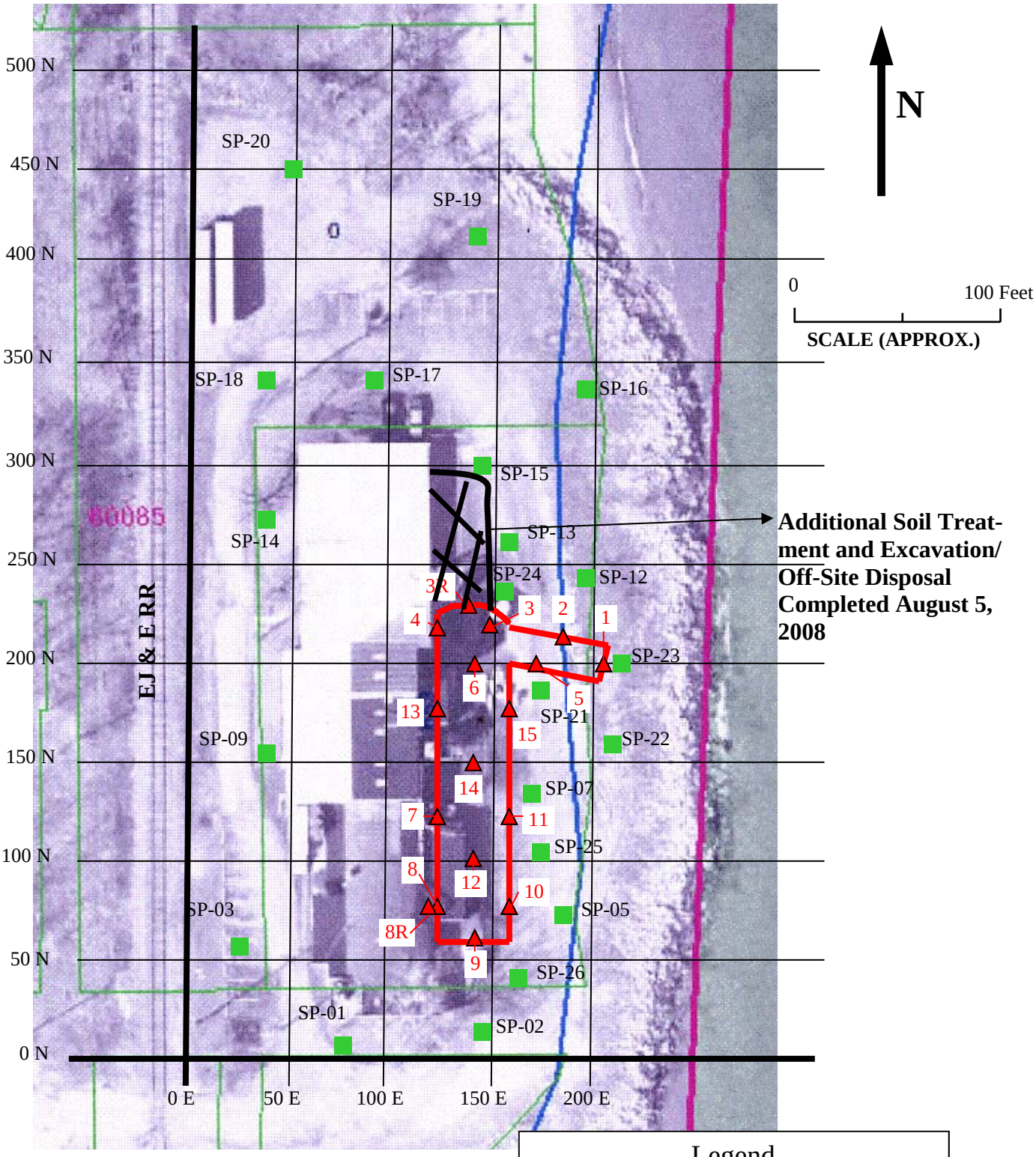

Figure 4 - Final Limits of Soil Excavation, Treatment and Off-Site Disposal
Lake Shore Foundry
Waukegan, IL

Appendix A— Photographs of Field Work

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653 Market Street, Waukegan, Lake County, Illinois

Photo 1 – View of drilling methods with hollow stem augurs at LSF-MW-03.

Photo 2 – View of drilling methods with solid stem augurs at LSF-MW-03 offset.

Photo 3 – View of drilling methods using hollow stem augurs at LSF-MW-02.

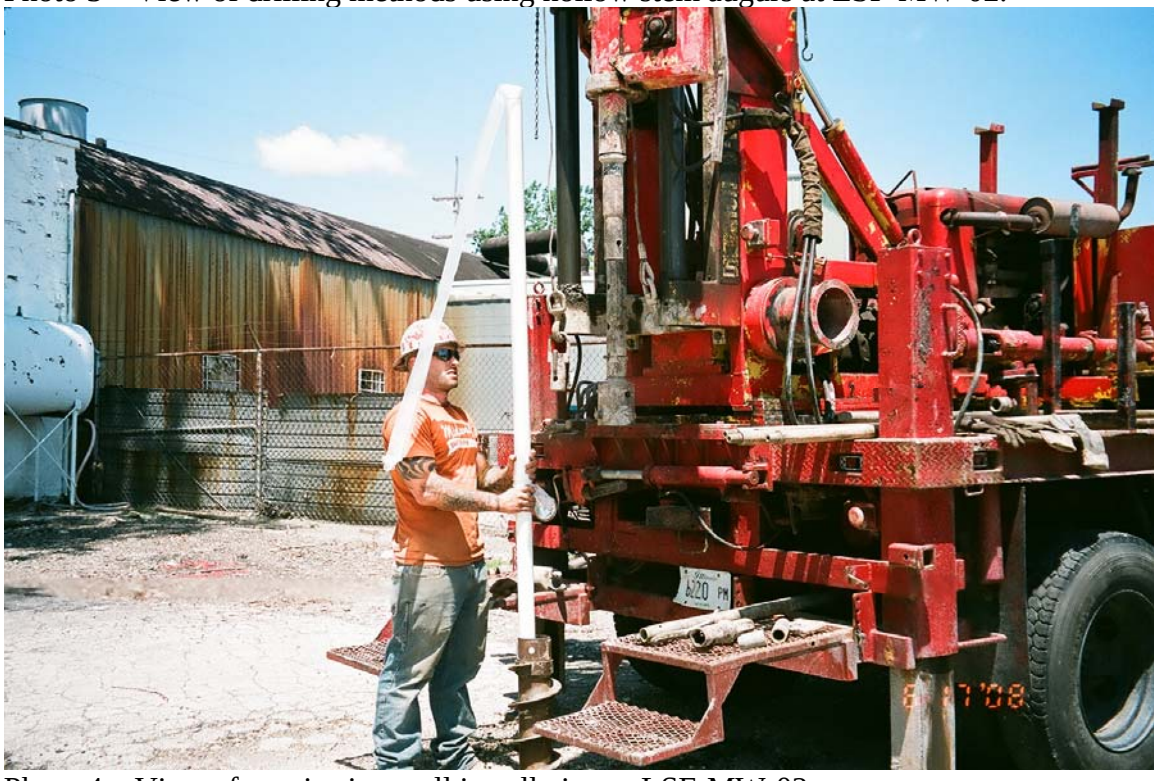

Photo 4 – View of monitoring well installation at LSF-MW-02.

Photo 5 – View of installation of artificial sand pack at LSF-MW-02.

Photo 6 – View of soil sample field screening with Minnie Rae 2000 PID.

Photo 7—Typical north beach area surface soil sampling location.

Photo 8—South beach area surface soil and sediment sampling area

Photo 9—August 5, 2008 Final Surface Soil Removal, Off-site Disposal at Lake Shore Foundry

Photo 10—August 5, 2008 Final Surface Soil Removal, Off-site Disposal at Lake Shore Foundry

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Appendix B— Well Completion Forms & Boring Logs

DOCC Report Addendum
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Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

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WELL NO. **LSF-MW- 01**

PROJECT Lake Shore Foundry Property	PROJECT NO.
LOCATION North Chicago, Illinois	BOREHOLE DIA. 8 inches
TOTAL DEPTH 20 ft.	DEPTH TO WATER 11.27' TOC (581.39' MSL)
TOC (PVC) ELEV. 592.66	DRILLING METHOD Truck Mounted Rig - HSAs
COMPANY CS Drilling	DATE DRILLED June 17, 2008
DRILLER	GEOLOGIST Kerry Van Allen
LOCATION 97 Feet North, 26 Feet East of Building Northeast Corner.	
COMMENTS	

Depth (ft)	Well Record	Graphic Log	Description Soil Classification	Sample Int.	Sample Type
0			Dark brown to black silty clayey coarse to fine sand, occasional gravel, fill, moist. PID = ND Recovery = 10"		sm sc
2					
4			As above, fill, moist. Concrete rubble fill encountered at 5 to 6' bgs. PID = ND Recovery = 4"		sm
6			Concrete rubble with coarse to fine sand fill, possible void at 6 to 7.5' bgs. PID = ND Recovery = 2"		sw
8			Light gray silty coarse to fine sand, with gravel, concrete rubble, fill, moist. PID = ND Recovery = 8"		sm
10					
12			Gray coarse to fine sand, fine gravel, saturated. PID = ND Recovery = 6"		sw
14			Gray silty clay, occasional coarse to fine sand, trace fine gravel, very stiff to hard, moist. PID = ND Recovery = 12"		cl
16			As above, moist. PID = ND Recovery = 18"		cl
18			As above, moist. PID = ND Recovery = 19"		cl
20					

Legend

SILTY CLAY
SANDY CLAY
TOPSOIL
SAND
SILT
FILL

CC = Continuous Core
SS = Split Spoon
ST = Shelby Tube
AS = AugerSample
GP = Geo-Probe
HSA = Hollow-Stem Auger

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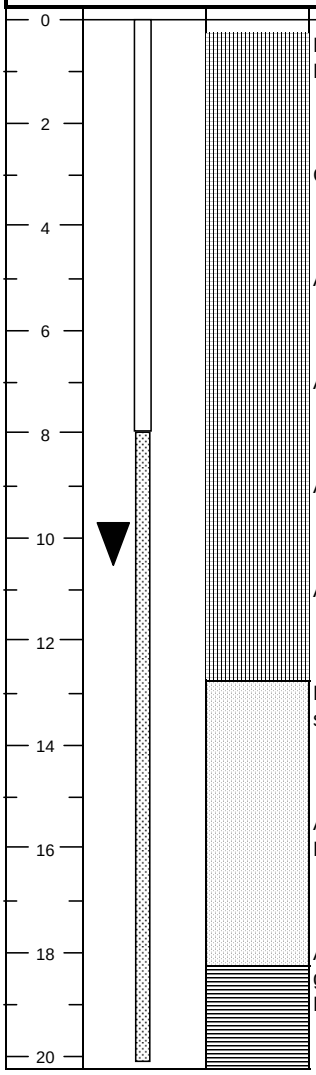
WELL NO. LSF-MW-02

PROJECT Lake Shore Foundry Property	PROJECT NO.
LOCATION North Chicago, Illinois	BOREHOLE DIA. 8 inches
TOTAL DEPTH 20 ft.	DEPTH TO WATER 10.45' bgs TOC (581.36 MSL)
TOC (PVC) ELEV. 591.81	DRILLING METHOD Truck Mounted Rig - HSAs
COMPANY CS Drilling	DATE DRILLED June 17, 2008
DRILLER	GEOLOGIST Kerry Van Allen
LOCATION 25 Feet East of Building Southeast Corner.	
COMMENTS	



Description Soil Classification	Sample Int.	Type
Brown silty clayey coarse to fine sand and gravel, fill, moist. PID = ND Recovery = 10"		sm
Concrete rubble, fill, moist. PID = ND Recovery = 2		
As above, concrete rubble, fill, moist. PID = ND Recovery = 3		
As above, concrete rubble, fill, moist. PID = ND Recovery = 2		
As above, concrete rubble, fill, moist. PID = ND Recovery = 4		
As above, concrete rubble, fill, moist. PID = ND Recovery = 2		
Brown medium to fine sand, occasional coarse sand, fine gravel, saturated. PID = ND Recovery = 12"		sp
As above, medium to fine sand, saturated. PID = ND Recovery = 14"		
As above, medium to fine sand, saturated. Below 18.7' bgs, gray silty clay, occasional coarse to fine sand, hard, moist. PID = ND Recovery = 8"		sp cl

Legend

SILTY CLAY
SANDY CLAY
TOPSOIL
SAND
SILT
FILL

CC = Continuous Core
SS = Split Spoon
ST = Shelby Tube
AS = AugerSample
GP = Geo-Probe
HSA = Hollow-Stem Auger

Deigan & Associates

WELL NO. LSF-MW- 03

PROJECT Lake Shore Foundry Property	PROJECT NO.
LOCATION North Chicago, Illinois	BOREHOLE DIA. 8 inches
TOTAL DEPTH 20 ft.	DEPTH TO WATER 9.66' TOC (579.83 MSL)
TOC (PVC) ELEV. 589.49	DRILLING METHOD Truck Mounted Rig - HSAs
COMPANY CS Drilling	DATE DRILLED June 17, 2008
DRILLER	GEOLOGIST Kerry Van Allen

LOCATION 119 Feet South, 97 Feet East of Building Northeast Corner.

COMMENTS

Depth (ft)	Well Record	Graphic Log	Description Soil Classification	Sample Int.	Sample Type
0			Dark brown to black silty clayey coarse to fine sand, occasional gravel, fill, moist. Below 2', concrete rubble, fill. PID = ND		
2			Concrete rubble, fill, moist. PID = ND Recovery = 2		
4			As above, concrete rubble, fill, moist. PID = ND Recovery = 3		
6			As above, concrete rubble, fill, moist. PID = ND Recovery = 2		
8			As above, concrete rubble, fill, moist. PID = ND Recovery = 4		
10			As above, concrete rubble, fill, moist. PID = ND Recovery = 3		
12			Gray clayey to silty coarse to fine sand, loose, saturated. Below 14', gray silty clay, some coarse to fine sand, occasional fine gravel, very stiff, moist to wet. PID = ND Recovery = 36"		sc sm cl
14			As above, gray silty clay, moist. PID = ND Recovery = 18"		cl
16			As above, gray silty clay, moist. PID = ND Recovery = 18"		cl
18					
20					

Legend: SILTY CLAY, SANDY CLAY, TOPSOIL, SAND, SILT, FILL

CC = Continuous Core
SS = Split Spoon
ST = Shelby Tube
AS = AugerSample
GP = Geo-Probe
HSA = Hollow-Stem Auger

Deigan & Associates

WELL NO. LSF- MW- 04

PROJECT Lake Shore Foundry Property	PROJECT NO.
LOCATION North Chicago, Illinois	BOREHOLE DIA. 8 inches
TOTAL DEPTH 20 ft.	DEPTH TO WATER 10.67' TOC (579.77 MSL)
TOC (PVC) ELEV. 590.44 MSL	DRILLING METHOD Truck Mounted Rig - HSAs
COMPANY CS Drilling	DATE DRILLED June 17, 2008
DRILLER	GEOLOGIST Kerry Van Allen
LOCATION 65 Feet North, 94 Feet East of Building Southeast Corner.	
COMMENTS	

Depth (ft)	Well Record	Graphic Log	Description Soil Classification	Sample Int.	Sample Type
0			Dark brown to black silty clayey coarse to fine sand, occasional gravel, fill, moist. Below 2', concrete rubble, fill. PID = ND		
2			Concrete rubble, fill, moist. PID = ND Recovery = 2		
4			As above, concrete rubble, fill, moist. PID = ND Recovery = 3		
6			As above, concrete rubble, fill, moist. PID = ND Recovery = 5		
8			As above, concrete rubble, fill, moist. PID = ND Recovery = 5		
10			As above, concrete rubble, fill, moist. PID = ND Recovery = 4		
12					
14			Gray coarse to fine sand, fine gravel, loose, saturated. Below 14.5', gray silty clay to clayey silt, some coarse to fine sand, very stiff or dense, wet. PID = ND Recovery = 18"		sp cl-ml
16					
18			As above, gray silty clay to clayey silt, very hard or very dense, moist. PID = ND Recovery = 19"		cl-ml
20					

Legend

SILTY CLAY
SANDY CLAY
TOPSOIL
SAND
SILT
FILL

CC = Continuous Core
SS = Split Spoon
ST = Shelby Tube
AS = AugerSample
GP = Geo-Probe
HSA = Hollow-Stem Auger

Illinois Environmental Protection Agency — **Well Completion Report**

Site Number: USEPA ILR 000111591 County: Lake

Site Name: Lake Shore Foundry, 653 S. Market St.,Waukegan, IL Well #: MW-01

State Plane Coordinate: X ____ Y ____ (or) Latitude: ____ ____ ____ Longitude: ____ ____ ____ Borehole #: ____

Surveyed by: TSW

Drilling Contractor: CS Drilling Inc.

Consulting Firm: Deigan & Associates, LLC

Drilling Method: 4.25" ID HSA's

Logged By: Kerry W. Van Allen

Report Form Completed By: Kerry Van Allen

IL Registration #: ____

Driller: ____

Geologist: Kerry W. Van Allen

Drilling Fluid (Type): None

Date Started: 06/17/08 Date Finished: 06/17/08

Date: 7/8/08

ANNULAR SPACE DETAILS

Type of Surface Seal: Sacrete

Type of Annular Sealant: ____

Installation Method: ____

Setting Time: ____

Type of Bentonite Seal - - Granular, Pellet, Slurry (Choose One)

Installation Method: Gravity

Setting Time: 2 Hours

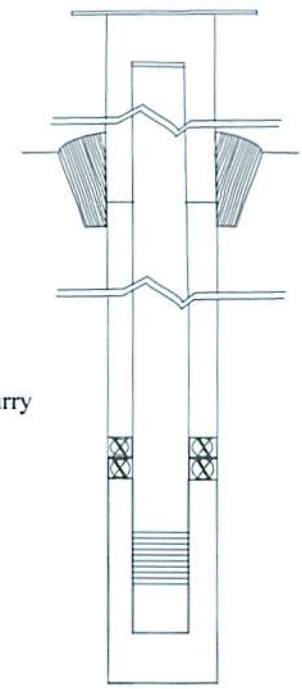
Type of Sand Pack: Uniform, pre-bagged

Grain Size: #4 (Sieve Size)

Installation Method: Gravity

Type of Backfill Material: ____ (if applicable)

Installation Method: ____



	Elevations (MSL)*	Depths (BGS)	(.01ft.)
	592.91	0	Top of Protective Casing
	592.66	0.25	Top of Riser Pipe
	592.9	0	Ground Surface
	592.1	0.8	Top of Annular Sealant
	581.39	11.27	Static Water Level (After Completion)
	591.4	1.5	Top of Seal
	584.9	8.0	Top of Sand Pack
	582.9	10.0	Top of Screen
	572.9	20.0	Bottom of Screen
	572.9	20.0	Bottom of Well
	572.9	20.0	Bottom of Borehole

* Referenced to a National Geodetic Datum

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	7.0
ID of Riser Pipe (inches)	2.0
Protective Casing Length (feet)	1.0
Riser Pipe Length (feet)	10.0
Bottom of Screen to End Cap (feet)	0.2
Screen Length (1st slot to last slot) (feet)	10.0
Total Length of Casing (feet)	
Screen Slot Size **	0.01"

**Hand-Slotted Well Screens are Unacceptable

Illinois Environmental Protection Agency — **Well Completion Report**

Site Number: USEPA ILR 000111591 County: Lake

Site Name: Lake Shore Foundry, 653 S. Market St.,Waukegan, IL Well #: MW-02

State Plane Coordinate: X ____ Y ____ (or) Latitude: ____ ____ ____ Longitude: ____ ____ ____ Borehole #: ____

Surveyed by: TSW

Drilling Contractor: CS Drilling Inc.

Consulting Firm: Deigan & Associates, LLC

Drilling Method: 4.25" ID HSA's

Logged By: Kerry W. Van Allen

Report Form Completed By: Kerry Van Allen

IL Registration #: ____

Driller: ____

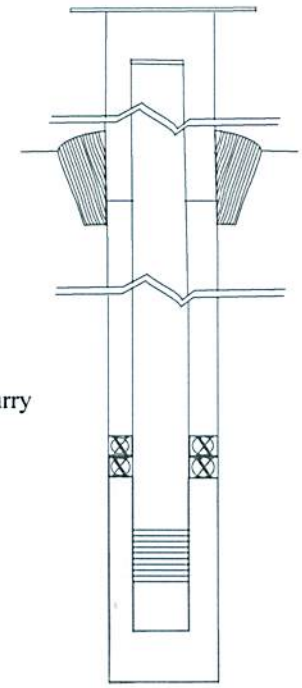
Geologist: Kerry W. Van Allen

Drilling Fluid (Type): None

Date Started: 06/17/08 Date Finished: 06/17/08

Date: 7/8/08

ANNULAR SPACE DETAILS



Elevations (MSL)*	Depths (BGS)	(.01ft.)
592.11	0	Top of Protective Casing
591.81	0.30	Top of Riser Pipe
591.8	0	Ground Surface
591.0	0.8	Top of Annular Sealant
581.36	10.45	Static Water Level (After Completion)
590.3	1.5	Top of Seal
583.8	8.0	Top of Sand Pack
581.8	10.0	Top of Screen
571.8	20.0	Bottom of Screen
571.8	20.0	Bottom of Well
571.8	20.0	Bottom of Borehole

* Referenced to a National Geodetic Datum

Type of Surface Seal: Sacrete

Type of Annular Sealant: ____

Installation Method: ____

Setting Time: ____

Type of Bentonite Seal - - Granular, Pellet, Slurry (Choose One)

Installation Method: Gravity

Setting Time: 2 Hours

Type of Sand Pack: Uniform, pre-bagged

Grain Size: #4 (Sieve Size)

Installation Method: Gravity

Type of Backfill Material: ____ (if applicable)

Installation Method: ____

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	7.0
ID of Riser Pipe (inches)	2.0
Protective Casing Length (feet)	1.0
Riser Pipe Length (feet)	10.0
Bottom of Screen to End Cap (feet)	0.2
Screen Length (1st slot to last slot) (feet)	10.0
Total Length of Casing (feet)	
Screen Slot Size **	0.01"

**Hand-Slotted Well Screens are Unacceptable

Illinois Environmental Protection Agency — **Well Completion Report**

Site Number: USEPA ILR 000111591 County: Lake

Site Name: Lake Shore Foundry, 653 S. Market St.,Waukegan, IL Well #: MW-03

State Plane Coordinate: X ____ Y ____ (or) Latitude: ____ ____ ____ Longitude: ____ ____ ____ Borehole #: ____

Surveyed by: TSW

Drilling Contractor: CS Drilling Inc.

Consulting Firm: Deigan & Associates, LLC

Drilling Method: 4.25" ID HSA's

Logged By: Kerry W. Van Allen

Report Form Completed By: Kerry Van Allen

IL Registration #: ____

Driller: ____

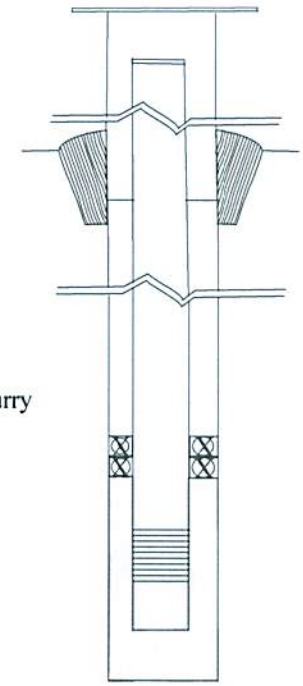
Geologist: Kerry W. Van Allen

Drilling Fluid (Type): None

Date Started: 06/17/08 Date Finished: 06/17/08

Date: 7/8/08

ANNULAR SPACE DETAILS



Type of Surface Seal: Sacrete

Type of Annular Sealant: ____

Installation Method: ____

Setting Time: ____

Type of Bentonite Seal - - Granular, Pellet, Slurry (Choose One)

Installation Method: Gravity

Setting Time: 2 Hours

Type of Sand Pack: Uniform, pre-bagged

Grain Size: #4 (Sieve Size)

Installation Method: Gravity

Type of Backfill Material: ____ (if applicable)

Installation Method: ____

	Elevations (MSL)*	Depths (BGS)	(.01ft.)
	589.94	0	Top of Protective Casing
	589.49	0.45	Top of Riser Pipe
	589.9	0	Ground Surface
	589.1	0.8	Top of Annular Sealant
	579.83	9.66	Static Water Level (After Completion)
	590.3	1.5	Top of Seal
	581.9	8.0	Top of Sand Pack
	579.9	10.0	Top of Screen
	569.9	20.0	Bottom of Screen
	569.9	20.0	Bottom of Well
	569.9	20.0	Bottom of Borehole

* Referenced to a National Geodetic Datum

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	7.0
ID of Riser Pipe (inches)	2.0
Protective Casing Length (feet)	1.0
Riser Pipe Length (feet)	10.0
Bottom of Screen to End Cap (feet)	0.2
Screen Length (1st slot to last slot) (feet)	10.0
Total Length of Casing (feet)	
Screen Slot Size **	0.01"

**Hand-Slotted Well Screens are Unacceptable

Illinois Environmental Protection Agency — **Well Completion Report**

Site Number: USEPA ILR 000111591 County: Lake

Site Name: Lake Shore Foundry, 653 S. Market St.,Waukegan, IL Well #: MW-04

State Plane Coordinate: X ____ Y ____ (or) Latitude: ____ ____ ____ Longitude: ____ ____ ____ Borehole #: ____

Surveyed by: TSW

Drilling Contractor: CS Drilling Inc.

Consulting Firm: Deigan & Associates, LLC

Drilling Method: 4.25" ID HSA's

Logged By: Kerry W. Van Allen

Report Form Completed By: Kerry Van Allen

IL Registration #: ____

Driller: ____

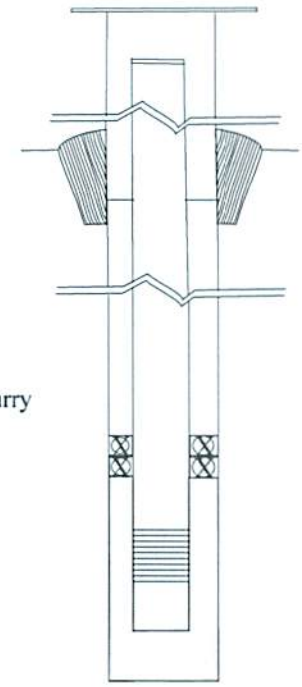
Geologist: Kerry W. Van Allen

Drilling Fluid (Type): None

Date Started: 06/18/08 Date Finished: 06/18/08

Date: 7/8/08

ANNULAR SPACE DETAILS



Type of Surface Seal: Sacrete

Type of Annular Sealant: ____

Installation Method: ____

Setting Time: ____

Type of Bentonite Seal - - Granular, Pellet, Slurry (Choose One)

Installation Method: Gravity

Setting Time: 2 Hours

Type of Sand Pack: Uniform, pre-bagged

Grain Size: #4 (Sieve Size)

Installation Method: Gravity

Type of Backfill Material: ____ (if applicable)

Installation Method: ____

	Elevations (MSL)*	Depths (BGS)	(.01ft.)
	590.69	0	Top of Protective Casing
	590.44	0.25	Top of Riser Pipe
	590.6	0	Ground Surface
	589.8	0.8	Top of Annular Sealant
	579.77	10.67	Static Water Level (After Completion)
	589.1	1.5	Top of Seal
	582.6	8.0	Top of Sand Pack
	580.6	10.0	Top of Screen
	570.6	20.0	Bottom of Screen
	570.6	20.0	Bottom of Well
	570.6	20.0	Bottom of Borehole

* Referenced to a National Geodetic Datum

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	7.0
ID of Riser Pipe (inches)	2.0
Protective Casing Length (feet)	1.0
Riser Pipe Length (feet)	10.0
Bottom of Screen to End Cap (feet)	0.2
Screen Length (1st slot to last slot) (feet)	10.0
Total Length of Casing (feet)	
Screen Slot Size **	0.01"

**Hand-Slotted Well Screens are Unacceptable

Appendix C— Upgradient Ground Water Data Summary

DOCC Report Addendum
August 2008
Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Samples Taken February 2006

Client ID	Analyte	CAS no	Result	Units	Result	Qualifier	Units	Class I Groundwater Standard	
MW-01	Cyanide, Total	57-12-5	0.0021	mg/L	0.0021	B	mg/L	0.2	
MW-01	TOC Average Duplicates	7440-44-0	39	mg/L	39		mg/L	--	
MW-01	TOX Average Duplicates		26	ug/L	0.026		mg/L	--	
MW-01	Aluminum	7429-90-5	2.3	mg/L	2.3		mg/L	3.5	
MW-01	Antimony	7440-36-0	0.0053	mg/L	0.0053	B	mg/L	0.006	
MW-01	Arsenic	7440-38-2	0.021	mg/L	0.021		mg/L	0.05	
MW-01	Barium	7440-39-3	0.14	mg/L	0.14		mg/L	2	
MW-01	Beryllium	7440-41-7	0.00026	mg/L	0.00026	B	mg/L	0.004	
MW-01	Cadmium	7440-43-9	0.0020	mg/L	0.002	U	mg/L	0.005	
MW-01	Calcium	7440-70-2	140	mg/L	140		mg/L	--	
MW-01	Chromium	7440-47-3	0.0055	mg/L	0.0055	B	mg/L	0.1	
MW-01	Cobalt	7440-48-4	0.0053	mg/L	0.0053		mg/L	1	
MW-01	Copper	7440-50-8	0.016	mg/L	0.016		mg/L	0.65	
MW-01	Iron	7439-89-6	30	mg/L	30		mg/L	5	>GW
MW-01	Lead	7439-92-1	0.010	mg/L	0.01		mg/L	0.0075	>GW
MW-01	Magnesium	7439-95-4	90	mg/L	90		mg/L	--	
MW-01	Manganese	7439-96-5	0.40	mg/L	0.4		mg/L	0.15	>GW
MW-01	Nickel	7440-02-0	0.012	mg/L	0.012		mg/L	0.1	
MW-01	Potassium	7440-09-7	26	mg/L	26		mg/L	--	
MW-01	Sodium	7440-23-5	66	mg/L	66		mg/L	--	
MW-01	Thallium	7440-28-0	0.0046	mg/L	0.0046	B	mg/L	0.002	>GW
MW-01	Vanadium	7440-62-2	0.0059	mg/L	0.0059		mg/L	0.049	
MW-01	Zinc	7440-66-6	0.042	mg/L	0.042		mg/L	5	
MW-01	Methyl-tert-butyl-ether (MTBE)	1634-04-4	14	ug/L	0.014		mg/L	0.07	
MW-01	Benzene	71-43-2	15	ug/L	0.015		mg/L	0.005	>GW
							mg/L		
MW-02	TOC Average Duplicates	7440-44-0	11	mg/L	11		mg/L	--	
MW-02	TOX Average Duplicates		24	ug/L	0.024		mg/L	--	
MW-02	Aluminum	7429-90-5	1.2	mg/L	1.2		mg/L	3.5	
MW-02	Barium	7440-39-3	0.18	mg/L	0.18		mg/L	2	
MW-02	Calcium	7440-70-2	340	mg/L	340		mg/L	--	
MW-02	Chromium	7440-47-3	0.0030	mg/L	0.003	B	mg/L	0.1	
MW-02	Cobalt	7440-48-4	0.0075	mg/L	0.0075		mg/L	1	
MW-02	Copper	7440-50-8	0.011	mg/L	0.011		mg/L	0.65	
MW-02	Iron	7439-89-6	5.2	mg/L	5.2		mg/L	5	>GW
MW-02	Lead	7439-92-1	0.0039	mg/L	0.0039	B	mg/L	0.0075	
MW-02	Magnesium	7439-95-4	96	mg/L	96		mg/L	--	
MW-02	Manganese	7439-96-5	0.64	mg/L	0.64		mg/L	0.15	>GW
MW-02	Nickel	7440-02-0	0.020	mg/L	0.02		mg/L	0.1	
MW-02	Potassium	7440-09-7	16	mg/L	16		mg/L	--	
MW-02	Sodium	7440-23-5	61	mg/L	61		mg/L	--	
MW-02	Vanadium	7440-62-2	0.0018	mg/L	0.0018	B	mg/L	0.049	
MW-02	Zinc	7440-66-6	0.038	mg/L	0.038		mg/L	5	

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	CAS no	Result	Units	Result	Qualifier	Units	Class I Groundwater Standard	
MW-03	Cyanide, Total	57-12-5	0.0021	mg/L	0.0021	B	mg/L	0.2	
MW-03	TOC Average Duplicates	7440-44-0	11	mg/L	11		mg/L	--	
MW-03	TOX Average Duplicates		69	ug/L	0.069		mg/L	--	
MW-03	Aluminum	7429-90-5	2.0	mg/L	2		mg/L	3.5	
MW-03	Arsenic	7440-38-2	0.0026	mg/L	0.0026	B	mg/L	0.05	
MW-03	Barium	7440-39-3	0.26	mg/L	0.26		mg/L	2	
MW-03	Beryllium	7440-41-7	0.00016	mg/L	0.00016	B	mg/L	0.004	
MW-03	Cadmium	7440-43-9	0.00064	mg/L	0.00064	B	mg/L	0.005	
MW-03	Calcium	7440-70-2	350	mg/L	350		mg/L	--	
MW-03	Chromium	7440-47-3	0.0052	mg/L	0.0052	B	mg/L	0.1	
MW-03	Cobalt	7440-48-4	0.0057	mg/L	0.0057		mg/L	1	
MW-03	Copper	7440-50-8	0.034	mg/L	0.034		mg/L	0.65	
MW-03	Iron	7439-89-6	6.0	mg/L	6		mg/L	5	>GW
MW-03	Lead	7439-92-1	0.038	mg/L	0.038		mg/L	0.0075	>GW
MW-03	Magnesium	7439-95-4	110	mg/L	110		mg/L	--	
MW-03	Manganese	7439-96-5	0.34	mg/L	0.34		mg/L	0.15	>GW
MW-03	Nickel	7440-02-0	0.024	mg/L	0.024		mg/L	0.1	
MW-03	Potassium	7440-09-7	29	mg/L	29		mg/L	--	
MW-03	Sodium	7440-23-5	690	mg/L	690		mg/L	--	
MW-03	Thallium	7440-28-0	0.0053	mg/L	0.0053	B	mg/L	0.002	>GW
MW-03	Vanadium	7440-62-2	0.0045	mg/L	0.0045	B	mg/L	0.049	
MW-03	Zinc	7440-66-6	0.10	mg/L	0.1		mg/L	5	
MW-04	Cyanide, Total	57-12-5	0.0024	mg/L	0.0024	B	mg/L	0.2	
MW-04	TOC Average Duplicates	7440-44-0	3.5	mg/L	3.5		mg/L	--	
MW-04	TOX Average Duplicates		85	ug/L	0.085		mg/L	--	
MW-04	Aluminum	7429-90-5	5.9	mg/L	5.9		mg/L	3.5	>GW
MW-04	Antimony	7440-36-0	0.0029	mg/L	0.0029	B	mg/L	0.006	
MW-04	Arsenic	7440-38-2	0.0043	mg/L	0.0043	B	mg/L	0.05	
MW-04	Barium	7440-39-3	0.23	mg/L	0.23		mg/L	2	
MW-04	Beryllium	7440-41-7	0.00033	mg/L	0.00033	B	mg/L	0.004	
MW-04	Cadmium	7440-43-9	0.00040	mg/L	0.0004	B	mg/L	0.005	
MW-04	Calcium	7440-70-2	350	mg/L	350		mg/L	--	
MW-04	Chromium	7440-47-3	0.0085	mg/L	0.0085	B	mg/L	0.1	
MW-04	Cobalt	7440-48-4	0.009	mg/L	0.009		mg/L	1	
MW-04	Copper	7440-50-8	0.028	mg/L	0.028		mg/L	0.65	
MW-04	Iron	7439-89-6	11	mg/L	11		mg/L	5	>GW
MW-04	Lead	7439-92-1	0.013	mg/L	0.013		mg/L	0.0075	>GW
MW-04	Magnesium	7439-95-4	180	mg/L	180		mg/L	--	
MW-04	Manganese	7439-96-5	1.2	mg/L	1.2		mg/L	0.15	>GW
MW-04	Nickel	7440-02-0	0.023	mg/L	0.023		mg/L	0.1	
MW-04	Potassium	7440-09-7	29	mg/L	29		mg/L	--	
MW-04	Sodium	7440-23-5	710	mg/L	710		mg/L	--	
MW-04	Vanadium	7440-62-2	0.013	mg/L	0.013		mg/L	0.049	
MW-04	Zinc	7440-66-6	0.049	mg/L	0.049		mg/L	5	

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	CAS no	Result	Units	Result	Qualifier	Units	Class I Groundwater Standard	
MW-05	Cyanide, Total	57-12-5	0.0034	mg/L	0.0034	B	mg/L	0.2	
MW-05	TOC Average Duplicates	7440-44-0	23	mg/L	23		mg/L	--	
MW-05	TOX Average Duplicates		60	ug/L	0.06		mg/L	--	
MW-05	Aluminum	7429-90-5	4.7	mg/L	4.7		mg/L	3.5	>GW
MW-05	Antimony	7440-36-0	0.0035	mg/L	0.0035	B	mg/L	0.006	
MW-05	Arsenic	7440-38-2	0.0085	mg/L	0.0085	B	mg/L	0.05	
MW-05	Barium	7440-39-3	0.19	mg/L	0.19		mg/L	2	
MW-05	Beryllium	7440-41-7	0.00023	mg/L	0.00023	B	mg/L	0.004	
MW-05	Calcium	7440-70-2	200	mg/L	200		mg/L	--	
MW-05	Chromium	7440-47-3	0.0082	mg/L	0.0082	B	mg/L	0.1	
MW-05	Cobalt	7440-48-4	0.0063	mg/L	0.0063		mg/L	1	
MW-05	Copper	7440-50-8	0.025	mg/L	0.025		mg/L	0.65	
MW-05	Iron	7439-89-6	9.9	mg/L	9.9		mg/L	5	>GW
MW-05	Lead	7439-92-1	0.015	mg/L	0.015		mg/L	0.0075	>GW
MW-05	Magnesium	7439-95-4	190	mg/L	190		mg/L	--	
MW-05	Manganese	7439-96-5	2.1	mg/L	2.1		mg/L	0.15	>GW
MW-05	Nickel	7440-02-0	0.024	mg/L	0.024		mg/L	0.1	
MW-05	Potassium	7440-09-7	29	mg/L	29		mg/L	--	
MW-05	Selenium	7782-49-2	0.0045	mg/L	0.0045	B	mg/L	0.05	
MW-05	Sodium	7440-23-5	130	mg/L	130		mg/L	--	
MW-05	Vanadium	7440-62-2	0.0093	mg/L	0.0093		mg/L	0.049	
MW-05	Zinc	7440-66-6	0.038	mg/L	0.038		mg/L	5	
MW-05	2,4,5-TP (Silvex)	93-72-1	0.17	ug/L	0.00017		mg/L	0.05	
MW-05	2,4,5-T	93-76-5	0.13	ug/L	0.00013		mg/L	0.28	
MW-05	Chloroform	67-66-3	1.1	ug/L	0.0011		mg/L	0.0002	>GW
MW-05	Benzene	71-43-2	17	ug/L	0.017		mg/L	0.005	>GW
MW-05	Ethylbenzene	100-41-4	1.1	ug/L	0.0011		mg/L	0.7	
MW-05	Xylenes (total)	1330-20-7	1.7	ug/L	0.0017	J	mg/L	10	
MW-05	2-Methylnaphthalene	91-57-6	2.1	ug/L	0.0021		mg/L	0.028	
MW-05	Acenaphthene	83-32-9	0.76	ug/L	0.00076	J	mg/L	0.42	
MW-05	Fluorene	86-73-7	1.2	ug/L	0.0012		mg/L	0.28	
MW-05	Phenanthrene	85-01-8	0.60	ug/L	0.0006	J	mg/L	0.21	

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	CAS no	Result	Units	Result	Qualifier	Units	Class I Groundwater Standard	
MW-06	TOC Average Duplicates	7440-44-0	2.6	mg/L	2.6		mg/L	--	
MW-06	TOX Average Duplicates		61	ug/L	0.061		mg/L	--	
MW-06	Aluminum	7429-90-5	6.6	mg/L	6.6		mg/L	3.5	>GW
MW-06	Antimony	7440-36-0	0.0052	mg/L	0.0052	B	mg/L	0.006	
MW-06	Arsenic	7440-38-2	0.011	mg/L	0.011		mg/L	0.05	
MW-06	Barium	7440-39-3	0.18	mg/L	0.18		mg/L	2	
MW-06	Beryllium	7440-41-7	0.00051	mg/L	0.00051	B	mg/L	0.004	
MW-06	Cadmium	7440-43-9	0.00074	mg/L	0.00074	B	mg/L	0.005	
MW-06	Calcium	7440-70-2	210	mg/L	210		mg/L	--	
MW-06	Chromium	7440-47-3	0.016	mg/L	0.016		mg/L	0.1	
MW-06	Cobalt	7440-48-4	0.0084	mg/L	0.0084		mg/L	1	
MW-06	Copper	7440-50-8	0.026	mg/L	0.026		mg/L	0.65	
MW-06	Iron	7439-89-6	25	mg/L	25		mg/L	5	>GW
MW-06	Lead	7439-92-1	0.015	mg/L	0.015		mg/L	0.0075	>GW
MW-06	Magnesium	7439-95-4	100	mg/L	100		mg/L	--	
MW-06	Manganese	7439-96-5	0.53	mg/L	0.53		mg/L	0.15	>GW
MW-06	Nickel	7440-02-0	0.028	mg/L	0.028		mg/L	0.1	
MW-06	Potassium	7440-09-7	17	mg/L	17		mg/L	--	
MW-06	Sodium	7440-23-5	640	mg/L	640		mg/L	--	
MW-06	Thallium	7440-28-0	0.0050	mg/L	0.005	B	mg/L	0.002	>GW
MW-06	Tin	7440-31-5	0.0039	mg/L	0.0039	B	mg/L	4.2	
MW-06	Vanadium	7440-62-2	0.021	mg/L	0.021		mg/L	0.049	
MW-06	Zinc	7440-66-6	0.069	mg/L	0.069		mg/L	5	
MW-06	Diethyl phthalate	84-66-2	0.51	ug/L	0.00051	JH	mg/L	5.6	
MW-07	Cyanide, Total	57-12-5	0.0018	mg/L	0.0018	B	mg/L	0.2	
MW-07	TOC Average Duplicates	7440-44-0	16	mg/L	16		mg/L	--	
MW-07	TOX Average Duplicates		97	ug/L	0.097		mg/L	--	
MW-07	Aluminum	7429-90-5	4.6	mg/L	4.6		mg/L	3.5	>GW
MW-07	Arsenic	7440-38-2	0.0065	mg/L	0.0065	B	mg/L	0.05	
MW-07	Barium	7440-39-3	0.22	mg/L	0.22		mg/L	2	
MW-07	Beryllium	7440-41-7	0.00027	mg/L	0.00027	B	mg/L	0.004	
MW-07	Cadmium	7440-43-9	0.00047	mg/L	0.00047	B	mg/L	0.005	
MW-07	Calcium	7440-70-2	460	mg/L	460		mg/L	--	
MW-07	Chromium	7440-47-3	0.0083	mg/L	0.0083	B	mg/L	0.1	
MW-07	Cobalt	7440-48-4	0.015	mg/L	0.015		mg/L	1	
MW-07	Copper	7440-50-8	0.021	mg/L	0.021		mg/L	0.65	
MW-07	Iron	7439-89-6	27	mg/L	27		mg/L	5	>GW
MW-07	Lead	7439-92-1	0.0077	mg/L	0.0077		mg/L	0.0075	>GW
MW-07	Magnesium	7439-95-4	200	mg/L	200		mg/L	--	
MW-07	Manganese	7439-96-5	1.9	mg/L	1.9		mg/L	0.15	>GW
MW-07	Nickel	7440-02-0	0.031	mg/L	0.031		mg/L	0.1	
MW-07	Potassium	7440-09-7	35	mg/L	35		mg/L	--	
MW-07	Sodium	7440-23-5	500	mg/L	500		mg/L	--	
MW-07	Thallium	7440-28-0	0.0065	mg/L	0.0065	B	mg/L	0.002	>GW
MW-07	Tin	7440-31-5	0.0032	mg/L	0.0032	B	mg/L	4.2	
MW-07	Vanadium	7440-62-2	0.01	mg/L	0.01		mg/L	0.049	
MW-07	Zinc	7440-66-6	0.044	mg/L	0.044		mg/L	5	
MW-07	Aroclor 1260	11096-82-5	4.8	ug/L	0.0048		mg/L	0.0005	>GW
MW-07	Acetone	67-64-1	6.1	ug/L	0.0061		mg/L	0.7	
MW-07	Pyrene	129-00-0	0.12	ug/L	0.00012	J	mg/L	0.21	

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	CAS no	Result	Units	Result	Qualifier	Units	Class I Groundwater Standard	
MW-08	Cyanide, Total	57-12-5	0.0019	mg/L	0.0019	B	mg/L	0.2	
MW-08	TOC Average Duplicates	7440-44-0	29	mg/L	29		mg/L	--	
MW-08	TOX Average Duplicates		58	ug/L	0.058		mg/L	--	
MW-08	Mercury	7439-97-6	0.0024	mg/L	0.0024		mg/L	0.002	>GW
MW-08	Aluminum	7429-90-5	4.5	mg/L	4.5		mg/L	3.5	>GW
MW-08	Antimony	7440-36-0	0.0095	mg/L	0.0095	B	mg/L	0.006	>GW
MW-08	Arsenic	7440-38-2	0.018	mg/L	0.018		mg/L	0.05	
MW-08	Barium	7440-39-3	0.36	mg/L	0.36		mg/L	2	
MW-08	Beryllium	7440-41-7	0.00025	mg/L	0.00025	B	mg/L	0.004	
MW-08	Cadmium	7440-43-9	0.0038	mg/L	0.0038		mg/L	0.005	
MW-08	Calcium	7440-70-2	200	mg/L	200		mg/L	--	
MW-08	Chromium	7440-47-3	0.028	mg/L	0.028		mg/L	0.1	
MW-08	Cobalt	7440-48-4	0.0053	mg/L	0.0053		mg/L	1	
MW-08	Copper	7440-50-8	0.24	mg/L	0.24		mg/L	0.65	
MW-08	Iron	7439-89-6	33	mg/L	33		mg/L	5	>GW
MW-08	Lead	7439-92-1	0.28	mg/L	0.28		mg/L	0.0075	>GW
MW-08	Magnesium	7439-95-4	100	mg/L	100		mg/L	--	
MW-08	Manganese	7439-96-5	0.57	mg/L	0.57		mg/L	0.15	>GW
MW-08	Nickel	7440-02-0	0.029	mg/L	0.029		mg/L	0.1	
MW-08	Potassium	7440-09-7	30	mg/L	30		mg/L	--	
MW-08	Silver	7440-22-4	0.0011	mg/L	0.0011	B	mg/L	0.05	
MW-08	Sodium	7440-23-5	210	mg/L	210		mg/L	--	
MW-08	Tin	7440-31-5	0.012	mg/L	0.012	B	mg/L	4.2	
MW-08	Vanadium	7440-62-2	0.0083	mg/L	0.0083		mg/L	0.049	
MW-08	Zinc	7440-66-6	0.56	mg/L	0.56		mg/L	5	
MW-08	Aroclor 1242	53469-21-9	5.0	ug/L	0.005		mg/L	0.0005	>GW
MW-08	Aroclor 1254	11097-69-1	1.7	ug/L	0.0017		mg/L	0.0005	>GW
MW-08	Acetone	67-64-1	5.7	ug/L	0.0057		mg/L	0.7	
MW-08	Chlorobenzene	108-90-7	5.7	ug/L	0.0057		mg/L	0.1	
MW-09	TOC Average Duplicates	7440-44-0	4.8	mg/L	4.8	B	mg/L	--	
MW-09	TOX Average Duplicates		7.5	ug/L	0.0075	B	mg/L	--	
MW-09	Mercury	7439-97-6	0.00042	mg/L	0.00042		mg/L	0.002	
MW-09	Aluminum	7429-90-5	9.7	mg/L	9.7		mg/L	3.5	>GW
MW-09	Arsenic	7440-38-2	0.0042	mg/L	0.0042	B	mg/L	0.05	
MW-09	Barium	7440-39-3	0.13	mg/L	0.13		mg/L	2	
MW-09	Beryllium	7440-41-7	0.00053	mg/L	0.00053	B	mg/L	0.004	
MW-09	Calcium	7440-70-2	140	mg/L	140		mg/L	--	
MW-09	Chromium	7440-47-3	0.016	mg/L	0.016		mg/L	0.1	
MW-09	Cobalt	7440-48-4	0.0086	mg/L	0.0086		mg/L	1	
MW-09	Copper	7440-50-8	0.036	mg/L	0.036		mg/L	0.65	
MW-09	Iron	7439-89-6	19	mg/L	19		mg/L	5	>GW
MW-09	Lead	7439-92-1	0.024	mg/L	0.024		mg/L	0.0075	>GW
MW-09	Magnesium	7439-95-4	52	mg/L	52		mg/L	--	
MW-09	Manganese	7439-96-5	1.1	mg/L	1.1		mg/L	0.15	>GW
MW-09	Nickel	7440-02-0	0.022	mg/L	0.022		mg/L	0.1	
MW-09	Potassium	7440-09-7	8.8	mg/L	8.8		mg/L	--	
MW-09	Sodium	7440-23-5	24	mg/L	24		mg/L	--	
MW-09	Vanadium	7440-62-2	0.019	mg/L	0.019		mg/L	0.049	
MW-09	Zinc	7440-66-6	0.12	mg/L	0.12		mg/L	5	

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	CAS no	Result	Units	Result	Qualifier	Units	Class I Groundwater Standard	
MW-09 DUPLICATE	TOC Average Duplicates	7440-44-0	4.3	mg/L	4.3	B	mg/L	--	
MW-09 DUPLICATE	TOX Average Duplicates		14	ug/L	0.014	B	mg/L	--	
MW-09 DUPLICATE	Mercury	7439-97-6	0.00036	mg/L	0.00036		mg/L	0.002	
MW-09 DUPLICATE	Aluminum	7429-90-5	8.9	mg/L	8.9		mg/L	3.5	>GW
MW-09 DUPLICATE	Antimony	7440-36-0	0.0030	mg/L	0.003	B	mg/L	0.006	
MW-09 DUPLICATE	Arsenic	7440-38-2	0.0035	mg/L	0.0035	B	mg/L	0.05	
MW-09 DUPLICATE	Barium	7440-39-3	0.13	mg/L	0.13		mg/L	2	
MW-09 DUPLICATE	Beryllium	7440-41-7	0.00046	mg/L	0.00046	B	mg/L	0.004	
MW-09 DUPLICATE	Cadmium	7440-43-9	0.00037	mg/L	0.00037	B	mg/L	0.005	
MW-09 DUPLICATE	Calcium	7440-70-2	140	mg/L	140		mg/L	--	
MW-09 DUPLICATE	Chromium	7440-47-3	0.015	mg/L	0.015		mg/L	0.1	
MW-09 DUPLICATE	Cobalt	7440-48-4	0.0078	mg/L	0.0078		mg/L	1	
MW-09 DUPLICATE	Copper	7440-50-8	0.031	mg/L	0.031		mg/L	0.65	
MW-09 DUPLICATE	Iron	7439-89-6	18	mg/L	18		mg/L	5	>GW
MW-09 DUPLICATE	Lead	7439-92-1	0.022	mg/L	0.022		mg/L	0.0075	>GW
MW-09 DUPLICATE	Magnesium	7439-95-4	53	mg/L	53		mg/L	--	
MW-09 DUPLICATE	Manganese	7439-96-5	1.1	mg/L	1.1		mg/L	0.15	>GW
MW-09 DUPLICATE	Nickel	7440-02-0	0.019	mg/L	0.019		mg/L	0.1	
MW-09 DUPLICATE	Potassium	7440-09-7	8.7	mg/L	8.7		mg/L	--	
MW-09 DUPLICATE	Sodium	7440-23-5	26	mg/L	26		mg/L	--	
MW-09 DUPLICATE	Vanadium	7440-62-2	0.016	mg/L	0.016		mg/L	0.049	
MW-09 DUPLICATE	Zinc	7440-66-6	0.10	mg/L	0.1		mg/L	5	
MW-10	Cyanide, Total	57-12-5	0.0019	mg/L	0.0019	B	mg/L	0.2	
MW-10	TOC Average Duplicates	7440-44-0	5.4	mg/L	5.4		mg/L	--	
MW-10	TOX Average Duplicates		110	ug/L	0.11		mg/L	--	
MW-10	Mercury	7439-97-6	0.0014	mg/L	0.0014		mg/L	0.002	
MW-10	Aluminum	7429-90-5	17	mg/L	17		mg/L	3.5	>GW
MW-10	Antimony	7440-36-0	0.0050	mg/L	0.005	B	mg/L	0.006	
MW-10	Arsenic	7440-38-2	0.021	mg/L	0.021		mg/L	0.05	
MW-10	Barium	7440-39-3	0.35	mg/L	0.35		mg/L	2	
MW-10	Beryllium	7440-41-7	0.00089	mg/L	0.00089	B	mg/L	0.004	
MW-10	Cadmium	7440-43-9	0.0033	mg/L	0.0033		mg/L	0.005	
MW-10	Calcium	7440-70-2	510	mg/L	510		mg/L	--	
MW-10	Chromium	7440-47-3	0.037	mg/L	0.037		mg/L	0.1	
MW-10	Cobalt	7440-48-4	0.016	mg/L	0.016		mg/L	1	
MW-10	Copper	7440-50-8	0.16	mg/L	0.16		mg/L	0.65	
MW-10	Iron	7439-89-6	62	mg/L	62		mg/L	5	>GW
MW-10	Lead	7439-92-1	0.22	mg/L	0.22		mg/L	0.0075	>GW
MW-10	Magnesium	7439-95-4	210	mg/L	210		mg/L	--	
MW-10	Manganese	7439-96-5	3.7	mg/L	3.7		mg/L	0.15	>GW
MW-10	Nickel	7440-02-0	0.047	mg/L	0.047		mg/L	0.1	
MW-10	Potassium	7440-09-7	21	mg/L	21		mg/L	--	
MW-10	Sodium	7440-23-5	520	mg/L	520		mg/L	--	
MW-10	Tin	7440-31-5	0.0060	mg/L	0.006	B	mg/L	4.2	
MW-10	Vanadium	7440-62-2	0.037	mg/L	0.037		mg/L	0.049	
MW-10	Zinc	7440-66-6	0.48	mg/L	0.48		mg/L	5	
MW-10	Aroclor 1248	12672-29-6	0.49	ug/L	0.00049		mg/L	0.0005	
MW-10	Aroclor 1254	11097-69-1	0.43	ug/L	0.00043	J	mg/L	0.0005	

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Samples Taken May 2007

Client ID	Analyte	Result	Qualifier	Units	Class I Groundwater Standard		DL>GW?
MW-01	Benzene	0.089		mg/L	0.005	>GW	
MW-01	Methyl tert-butyl ether	0.0074		mg/L	0.07		
MW-01	Aluminum	2.7		mg/L	3.5		
MW-01	Antimony	0.00053	J	mg/L	0.006		
MW-01	Arsenic	0.056		mg/L	0.05	>GW	
MW-01	Beryllium	0.00015	J	mg/L	0.004		
MW-01	Cadmium	0.0003	J	mg/L	0.005		
MW-01	Calcium	87	B	mg/L	--		
MW-01	Chromium	0.007		mg/L	0.1		
MW-01	Cobalt	0.0041		mg/L	1		
MW-01	Copper	0.02	B	mg/L	0.65		
MW-01	Iron	44		mg/L	5	>GW	
MW-01	Lead	0.011		mg/L	0.0075	>GW	
MW-01	Magnesium	54		mg/L	--		
MW-01	Manganese	0.32		mg/L	0.15	>GW	
MW-01	Nickel	0.02		mg/L	0.1		
MW-01	Potassium	23		mg/L	--		
MW-01	Selenium	0.00067	J	mg/L	0.05		
MW-01	Sodium	52	B	mg/L	--		
MW-01	Zinc	0.076		mg/L	5		
MW-01	Barium	0.12	B	mg/L	2		
MW-01	Vanadium	0.0072		mg/L	0.049		
MW-02	Aluminum	3.6		mg/L	3.5	>GW	
MW-02	Antimony	0.00047	J	mg/L	0.006		
MW-02	Arsenic	0.0094		mg/L	0.05		
MW-02	Beryllium	0.00026	J	mg/L	0.004		
MW-02	Cadmium	0.0003	J	mg/L	0.005		
MW-02	Calcium	270	B	mg/L	--		
MW-02	Chromium	0.0057		mg/L	0.1		
MW-02	Cobalt	0.007		mg/L	1		
MW-02	Copper	0.024	B	mg/L	0.65		
MW-02	Iron	18		mg/L	5	>GW	
MW-02	Lead	0.018		mg/L	0.0075	>GW	
MW-02	Magnesium	63		mg/L	--		
MW-02	Manganese	0.58		mg/L	0.15	>GW	
MW-02	Nickel	0.019		mg/L	0.1		
MW-02	Potassium	8.6		mg/L	--		
MW-02	Selenium	0.0012	J	mg/L	0.05		
MW-02	Silver	0.00003	J	mg/L	0.05		
MW-02	Sodium	19	B	mg/L	--		
MW-02	Thallium	0.00034	J	mg/L	0.002		
MW-02	Zinc	0.1		mg/L	5		
MW-02	Barium	0.11	B	mg/L	2		
MW-03	Aluminum	6.5		mg/L	3.5	>GW	
MW-03	Antimony	0.0011		mg/L	0.006		
MW-03	Arsenic	0.016		mg/L	0.05		
MW-03	Beryllium	0.00035	J	mg/L	0.004		
MW-03	Cadmium	0.00064		mg/L	0.005		
MW-03	Calcium	150	B	mg/L	--		
MW-03	Chromium	0.012		mg/L	0.1		
MW-03	Cobalt	0.014		mg/L	1		
MW-03	Copper	0.056	B	mg/L	0.65		
MW-03	Iron	29		mg/L	5	>GW	
MW-03	Lead	0.073		mg/L	0.0075	>GW	
MW-03	Magnesium	61		mg/L	--		
MW-03	Manganese	1.1		mg/L	0.15	>GW	
MW-03	Nickel	0.033		mg/L	0.1		
MW-03	Potassium	7.4		mg/L	--		
MW-03	Selenium	0.0012	J	mg/L	0.05		
MW-03	Silver	0.000085	J	mg/L	0.05		
MW-03	Sodium	110	B	mg/L	--		
MW-03	Thallium	0.00047	J	mg/L	0.002		
MW-03	Zinc	0.21		mg/L	5		
MW-03	Barium	0.17	B	mg/L	2		
MW-03	Vanadium	0.0083	J	mg/L	0.049		
MW-03	Mercury	0.00016	J	mg/L	0.002		

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	Result	Qualifier	Units	Class I Groundwater Standard		DL>GW?
MW-04	Aluminum	6.8		mg/L	3.5	>GW	
MW-04	Antimony	0.00081	J	mg/L	0.006		
MW-04	Arsenic	0.012		mg/L	0.05		
MW-04	Beryllium	0.00039	J	mg/L	0.004		
MW-04	Cadmium	0.00035	J	mg/L	0.005		
MW-04	Calcium	200	B	mg/L	--		
MW-04	Chromium	0.011		mg/L	0.1		
MW-04	Cobalt	0.011		mg/L	1		
MW-04	Copper	0.028	B	mg/L	0.65		
MW-04	Iron	22		mg/L	5	>GW	
MW-04	Lead	0.019		mg/L	0.0075	>GW	
MW-04	Magnesium	120		mg/L	--		
MW-04	Manganese	0.85		mg/L	0.15	>GW	
MW-04	Nickel	0.025		mg/L	0.1		
MW-04	Potassium	13		mg/L	--		
MW-04	Selenium	0.0066		mg/L	0.05		
MW-04	Silver	0.000076	J	mg/L	0.05		
MW-04	Sodium	250	B	mg/L	--		
MW-04	Thallium	0.00034	J	mg/L	0.002		
MW-04	Zinc	0.099		mg/L	5		
MW-04	Barium	0.11	B	mg/L	2		
MW-04	Vanadium	0.01	J	mg/L	0.049		
MW-04	Mercury	0.00019	J	mg/L	0.002		
MW-05	Benzene	0.019		mg/L	0.005	>GW	
MW-05	Ethylbenzene	0.015		mg/L	0.7		
MW-05	Xylenes, Total	0.0014	J	mg/L	10		
MW-05	Aluminum	1.7		mg/L	3.5		
MW-05	Antimony	0.0035		mg/L	0.006		
MW-05	Arsenic	0.022		mg/L	0.05		
MW-05	Beryllium	0.00011	J	mg/L	0.004		
MW-05	Cadmium	0.00088		mg/L	0.005		
MW-05	Calcium	120	B	mg/L	--		
MW-05	Chromium	0.0045	J	mg/L	0.1		
MW-05	Cobalt	0.0013		mg/L	1		
MW-05	Copper	0.11	B	mg/L	0.65		
MW-05	Iron	15		mg/L	5	>GW	
MW-05	Lead	0.064		mg/L	0.0075	>GW	
MW-05	Magnesium	160		mg/L	--		
MW-05	Manganese	3.3		mg/L	0.15	>GW	
MW-05	Nickel	0.0089		mg/L	0.1		
MW-05	Potassium	18		mg/L	--		
MW-05	Selenium	0.00061	J	mg/L	0.05		
MW-05	Silver	0.00026	J	mg/L	0.05		
MW-05	Sodium	42	B	mg/L	--		
MW-05	Zinc	0.18		mg/L	5		
MW-05	Barium	0.034	B	mg/L	2		
MW-05	Vanadium	0.0036	J	mg/L	0.049		
MW-05	Mercury	0.00052		mg/L	0.002		

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	Result	Qualifier	Units	Class I Groundwater Standard		DL>GW?
MW-06	Aluminum	14		mg/L	3.5	>GW	
MW-06	Antimony	0.00087	J	mg/L	0.006		
MW-06	Arsenic	0.033		mg/L	0.05		
MW-06	Beryllium	0.00089	J	mg/L	0.004		
MW-06	Cadmium	0.00057		mg/L	0.005		
MW-06	Calcium	160	B	mg/L	--		
MW-06	Chromium	0.02		mg/L	0.1		
MW-06	Cobalt	0.017		mg/L	1		
MW-06	Copper	0.047	B	mg/L	0.65		
MW-06	Iron	71		mg/L	5	>GW	
MW-06	Lead	0.034		mg/L	0.0075	>GW	
MW-06	Magnesium	84		mg/L	--		
MW-06	Manganese	1		mg/L	0.15	>GW	
MW-06	Nickel	0.055		mg/L	0.1		
MW-06	Potassium	6.7		mg/L	--		
MW-06	Selenium	0.0053		mg/L	0.05		
MW-06	Silver	0.000094	J	mg/L	0.05		
MW-06	Sodium	390	B	mg/L	--		
MW-06	Thallium	0.00052	J	mg/L	0.002		
MW-06	Zinc	0.19		mg/L	5		
MW-06	Barium	0.18	B	mg/L	2		
MW-06	Vanadium	0.032	J	mg/L	0.049		
MW-06	Mercury	0.000098	J	mg/L	0.002		
MW-07	PCB-1260	0.0041		mg/L	0.0005	>GW	
MW-07	Aluminum	2.5		mg/L	3.5		
MW-07	Antimony	0.00061	J	mg/L	0.006		
MW-07	Arsenic	0.026		mg/L	0.05		
MW-07	Beryllium	0.00022	J	mg/L	0.004		
MW-07	Cadmium	0.00057		mg/L	0.005		
MW-07	Calcium	250	B	mg/L	--		
MW-07	Chromium	0.0049	J	mg/L	0.1		
MW-07	Cobalt	0.008		mg/L	1		
MW-07	Copper	0.03	B	mg/L	0.65		
MW-07	Iron	39		mg/L	5	>GW	
MW-07	Lead	0.025		mg/L	0.0075	>GW	
MW-07	Magnesium	89		mg/L	--		
MW-07	Manganese	1.1		mg/L	0.15	>GW	
MW-07	Nickel	0.017		mg/L	0.1		
MW-07	Potassium	7.8		mg/L	--		
MW-07	Selenium	0.0056		mg/L	0.05		
MW-07	Silver	0.000035	J	mg/L	0.05		
MW-07	Sodium	91	B	mg/L	--		
MW-07	Thallium	0.00038	J	mg/L	0.002		
MW-07	Zinc	0.083		mg/L	5		
MW-07	Barium	0.18	B	mg/L	2		
MW-07	Mercury	0.00023		mg/L	0.002		

Table 3-3
Chemicals Positively Detected in Groundwater Compared to Tier 1 Groundwater Remediation Objective
Former Diamond Scrap Yard
Waukegan, IL

Client ID	Analyte	Result	Qualifier	Units	Class I Groundwater Standard		DL>GW?
MW-08	PCB-1242	0.0021		mg/L	0.0005	>GW	
MW-08	PCB-1260	0.00062		mg/L	0.0005	>GW	
MW-08	Aluminum	0.33		mg/L	3.5		
MW-08	Antimony	0.00038	J	mg/L	0.006		
MW-08	Arsenic	0.0089		mg/L	0.05		
MW-08	Cadmium	0.00051		mg/L	0.005		
MW-08	Calcium	130	B	mg/L	--		
MW-08	Chromium	0.0023	J	mg/L	0.1		
MW-08	Cobalt	0.0015		mg/L	1		
MW-08	Copper	0.026	B	mg/L	0.65		
MW-08	Iron	13		mg/L	5	>GW	
MW-08	Lead	0.033		mg/L	0.0075	>GW	
MW-08	Magnesium	52		mg/L	--		
MW-08	Manganese	0.72		mg/L	0.15	>GW	
MW-08	Nickel	0.009		mg/L	0.1		
MW-08	Potassium	9.8		mg/L	--		
MW-08	Selenium	0.00049	J	mg/L	0.05		
MW-08	Silver	0.000071	J	mg/L	0.05		
MW-08	Sodium	60	B	mg/L	--		
MW-08	Zinc	0.067		mg/L	5		
MW-08	Barium	0.18	B	mg/L	2		
MW-08	Vanadium	0.00073	J	mg/L	0.049		
MW-08	Mercury	0.00039		mg/L	0.002		
MW-09	Aluminum	0.89		mg/L	3.5		
MW-09	Antimony	0.00024	J	mg/L	0.006		
MW-09	Arsenic	0.004		mg/L	0.05		
MW-09	Cadmium	0.00015	J	mg/L	0.005		
MW-09	Calcium	250	B	mg/L	--		
MW-09	Chromium	0.0017	J	mg/L	0.1		
MW-09	Cobalt	0.0061		mg/L	1		
MW-09	Copper	0.0079	B	mg/L	0.65		
MW-09	Iron	11		mg/L	5	>GW	
MW-09	Lead	0.004		mg/L	0.0075		
MW-09	Magnesium	75		mg/L	--		
MW-09	Manganese	1.4		mg/L	0.15	>GW	
MW-09	Nickel	0.011		mg/L	0.1		
MW-09	Potassium	8.6		mg/L	--		
MW-09	Selenium	0.00081	J	mg/L	0.05		
MW-09	Sodium	120	B	mg/L	--		
MW-09	Zinc	0.059		mg/L	5		
MW-09	Barium	0.25	B	mg/L	2		
MW-10	Aluminum	7		mg/L	3.5	>GW	
MW-10	Antimony	0.00049	J	mg/L	0.006		
MW-10	Arsenic	0.058		mg/L	0.05	>GW	
MW-10	Beryllium	0.00045	J	mg/L	0.004		
MW-10	Cadmium	0.00055		mg/L	0.005		
MW-10	Calcium	320	B	mg/L	--		
MW-10	Chromium	0.0094		mg/L	0.1		
MW-10	Cobalt	0.0078		mg/L	1		
MW-10	Copper	0.044	B	mg/L	0.65		
MW-10	Iron	51		mg/L	5	>GW	
MW-10	Lead	0.042		mg/L	0.0075	>GW	
MW-10	Magnesium	110		mg/L	--		
MW-10	Manganese	3		mg/L	0.15	>GW	
MW-10	Nickel	0.022		mg/L	0.1		
MW-10	Potassium	10		mg/L	--		
MW-10	Selenium	0.00088	J	mg/L	0.05		
MW-10	Silver	0.00011	J	mg/L	0.05		
MW-10	Sodium	430	B	mg/L	--		
MW-10	Thallium	0.00065	J	mg/L	0.002		
MW-10	Zinc	0.14		mg/L	5		
MW-10	Barium	0.19	B	mg/L	2		
MW-10	Vanadium	0.0051	J	mg/L	0.049		
MW-10	Mercury	0.00035		mg/L	0.002		

All samples collected 5/10/07 or 5/11/2007

Deigan & Associates, LLC
Environmental Consultants

Appendix D— Documentation of Additional Soil Removal & Disposal

DOCC Report Addendum
August 2008
Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

CONTRACT
From: Aug 05, 2008 To: Aug 05, 2008
Specified Contract: 003584

Lake Shore Foundry

Facility: All Facilities — DETAILED REPORT — Report Contents: Inbound And Outbound

Reference	Date In	Ticket Number	Material Description	Time In	Vehicle	Disposal Vol.	Disposal Qty.	Org.	Weight In
003	5 Aug 2008	596664	C-Soil EX1	11:23 am	47 FIRST	15.00	18.86	LC	69,240.00
Vehicle Total (1)						15.00	18.86		
001	5 Aug 2008	596658	C-Soil EX1	11:09 am	627 LEON	15.00	18.50	LC	68,940.00
Vehicle Total (1)						15.00	18.50		
002	5 Aug 2008	596660	C-Soil EX1	11:12 am	628 LEON	15.00	18.30	LC	67,460.00
Vehicle Total (1)						15.00	18.30		
004	5 Aug 2008	596669	C-Soil EX1	11:39 am	629 LEON	15.00	16.90	LC	67,600.00
Vehicle Total (1)						15.00	16.90		
005	5 Aug 2008	596709	C-Soil EX1	1:17 pm	74 JUAREZ	15.00	18.55	LC	69,480.00
Vehicle Total (1)						15.00	18.55		
Contract Total (5)						75.00	91.11		
Report Total (5)						75.00	91.11		

003 (cg)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 0971905260
2. Page 1 of
3. Emergency Response Phone: 847 404 9356
4. Waste Tracking Number:

GENERATOR

5. Generator's Name and Mailing Address: Lake Shore Foundry Inc. 653 S. Market St Waukegan, IL 60085
Generator's Site Address (if different than mailing address): LAKESHORE
Generator's Phone: 847-336-6560

6. Transporter 1 Company Name: Powell Trucking — 44119
U.S. EPA ID Number:

7. Transporter 2 Company Name: #47 First JV
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Veolia ES Zion Landfill 701 Green Bay Rd Zion IL 60095
U.S. EPA ID Number: 0978020002
Facility's Phone: 847 599 5905

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. metal contaminated soil			15	Y	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information: Profile 603584

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: GARY DEIGAN for LAKE SHORE FOUNDRY
Signature:
Month: 8 Day: 5 Year: 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Joseph
Signature: Joseph
Month: 8 Day: 5 Year: 08
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: C. Lyngen
Signature:
Month: 8 Day: 5 Year: 08

6-NHM-C-SO-1158

3-DESIGNATED FACILITY TO GENERATOR

801 (C8)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
0971505260		817 404 [illegible] 556	

5. Generator's Name and Mailing Address
Lake Shore Foundry, INC
6533 Market St
Waukegan IL 60085
Generator's Phone: 847 336-6560

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Powel Trucking 4419 — U.S. EPA ID Number:

7. Transporter 2 Company Name: Leon Trucking # 027 — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Veolia ES Zion Landfill
701 Green Bay Rd
Zion IL 60095
Facility's Phone:
U.S. EPA ID Number: 0978020002
847 599 5905

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Metal contaminated soil	001	T	15	Y	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

P. [illegible] 6003584

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: GARY DEIGAN for LAKE SHORE FOUNDRY — Signature: [signature] — Month 8 Day 5 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jose M Huerta — Signature: [signature] — Month 8 Day 5 Year 08
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: C. Lyngan — Signature: [signature] — Month 8 Day 5 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

6-NHM-C-SO-1158

3-DESIGNATED FACILITY TO GENERATOR

002 (14)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
097105260		847-404-9356	

GENERATOR

5. Generator's Name and Mailing Address
Lake Shore Foundry Inc
6535 Market St
Waukegan IL 60085
Generator's Phone: 847-336-6560

Generator's Site Address (if different than mailing address)
Lakeshore

6. Transporter 1 Company Name
Powell Trucking
U.S. EPA ID Number 4419

7. Transporter 2 Company Name
628 LEON
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Veolia ES Zion Landfill
701 N. Greenbay RD
Zion IL 60085
Facility's Phone: 847-599-5905
U.S. EPA ID Number 0978020002

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. metal contaminated soil	001	T	15	Y	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Prof. Ic 003584

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: GARY DEIGAN for NORTH STATES
Signature: Gary Deigan
Month: 8 Day: 5 Year: 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Leon Powell
Signature:
Month: 8 Day: 5 Year: 08

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: C. Lyngen
Signature: C. Lyngen
Month: 8 Day: 5 Year: 08

6-NHM-C-SO-1158

3-DESIGNATED FACILITY TO GENERATOR

004 (4)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
0971905260		847-401-9256	

GENERATOR

5. Generator's Name and Mailing Address
lake shore foundry, inc
6535 market st.
Lakeshore
Waukegan IL, 60085 847-336-5510
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Powell Trucking 4119
U.S. EPA ID Number

7. Transporter 2 Company Name
#629 Leon
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Veolia ES Zion Landfill
701 N. Green Bay Rd
Zion IL 60099
847-599-5105
Facility's Phone:
U.S. EPA ID Number 047802002

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Metal contaminated soil	001	T		15	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Profile 003584

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: GARY DEGNAN for NORTH STATES
Signature
Month 8 Day 5 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Enrique Patlan
Signature
Month 8 Day 5 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: C. Lyngen
Signature
Month 8 Day 5 Year 08

6-NHM-C-SO-1158

3-DESIGNATED FACILITY TO GENERATOR

005

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
0971905260		847-404-9356	

GENERATOR

5. Generator's Name and Mailing Address: Lake Shore Recycling Inc, 6035 Mitchell St, Niles IL 60714 — Generator's Site Address (if different than mailing address): LAKE SHORE

Generator's Phone: 847-326-6510

6. Transporter 1 Company Name: Powell Trucking — U.S. EPA ID Number: 4419

7. Transporter 2 Company Name: JUAREZ & SON #74 — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Veolia ES Zion Landfill, 701 N Green Bay Rd, Zion IL 60099 — U.S. EPA ID Number: 09980200 2

Facility's Phone: 847-549-5905

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Metal contaminated soil	001	T	15		
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

Prof. Ib 003584

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Gary DeGraw for North States — Signature: Gary DeGraw — Month: 8 — Day: 5 — Year: 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: _____

Transporter signature (for exports only): — Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Powell — Signature: _____ — Month: _____ Day: _____ Year: _____

Transporter 2 Printed/Typed Name: Erik — Signature: _____ — Month: 8 Day: 5 Year: 08

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: _____ Day: _____ Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: C. Lynch — Signature: C. Lynch — Month: 5 — Day: 5 — Year: 08

6-NHM-C-SO-1158

3-DESIGNATED FACILITY TO GENERATOR

Deigan & Associates, LLC
Environmental Consultants

Appendix E— Soil Analytical Data Compared to Soil Remediation Objectives

DOCC Report Addendum
August 2008
Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

Table E-1
Analytical Results for Soil and Sediment Samples - Metals

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

			* Exposure Routes for Specific SROs Residential				Sample ID/pH Facility Area Soil Samples							
		pH Range	Ingestion	Inhalation	Class I	Class II	LSF-SP-19-20 (0-6")	LSF-SP-19-20 (6-24")	SP-22, 0-6"	SP-22, 6"-2'	SP-23, 0-6"	SP-23, 6"-2	SP-19-16,0-6"	SP-19-16,6"-2'
Method	**Analyte**		mg/Kg	mg/Kg	mg/Kg	mg/Kg	8.41		8.21	8.63				
6010B	Antimony	6.9-7.24	31	NRO	5	20								
6010B	Antimony	7.25-7.74	31	NRO	5	20								
6010B	Antimony	7.75-8.24	31	NRO	5	20			<2.2					
6010B	Antimony	8.25-8.74	31	NRO	5	20	1.1	<2.2		<2.1	0.58	0.71	0.74	0.40
6010B	Arsenic	6.9-7.24	NRO	750	29	120								
6010B	Arsenic	7.25-7.74	NRO	750	30	120								
6010B	Arsenic	7.75-8.24	NRO	750	31	120			6.1					
6010B	Arsenic	8.25-8.74	NRO	750	32	130	6.1	5.0		6.2	6.3	5.0	4.1	3.1
6010B	Barium	6.9-7.24	5500	690000	1700	1700								
6010B	Barium	7.25-7.74	5500	690000	1800	1800								
6010B	Barium	7.75-8.24	5500	690000	2100	2100			52					
6010B	Barium	8.25-8.74	5500	690000	__a	__a	81	75		49	62	50	66	59
6010B	Beryllium	6.9-7.24	160	1300	1000	130000								
6010B	Beryllium	7.25-7.74	160	1300	140	17000								
6010B	Beryllium	7.75-8.24	160	1300	8000	1000000			0.58					
6010B	Beryllium	8.25-8.74	160	1300	__a	__a	1.8	1.2		0.62	0.81	0.74	0.91	0.99
6010B	Cadmium	6.9-7.24	78	1800	11	110								
6010B	Cadmium	7.25-7.74	78	1800	59	590								
6010B	Cadmium	7.75-8.24	78	1800	430	4300			0.65					
6010B	Cadmium	8.25-8.74	78	1800	NRO	NRO	0.45	0.33		0.50	1.9	1.4	1.5	0.75
6010B	Chromium	6.9-7.24	230	270	36	__a								
6010B	Chromium	7.25-7.74	230	270	32	__a								
6010B	Chromium	7.75-8.24	230	270	28	__a			18					
6010B	Chromium	8.25-8.74	230	270	24	__a	15	12		19	**25**	18	9.9	8.4
6010B	Cobalt	6.9-7.24	4700	NRO	__a	__a								
6010B	Cobalt	7.25-7.74	4700	NRO	__a	__a								
6010B	Cobalt	7.75-8.24	4700	NRO	__a	__a			9.6					
6010B	Cobalt	8.25-8.74	4700	NRO	__a	__a	6.7	6.9		12	5.5	10	4.0	3.5
6010B	Copper	6.9-7.24	2900	NRO	200000	200000								
6010B	Copper	7.25-7.74	2900	NRO	330000	330000								
6010B	Copper	7.75-8.24	2900	NRO	330000	330000			380					
6010B	Copper	8.25-8.74	2900	NRO	__a	__a	350	260		330	1100	1000	600	160

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

			* Exposure Routes for Specific SROs Residential				Sample ID/pH Facility Area Soil Samples							
		pH Range	Ingestion	Inhalation	Class I	Class II	LSF-SP-19-20 (0-6")	LSF-SP-19-20 (6-24")	SP-22, 0-6"	SP-22, 6"-2'	SP-23, 0-6"	SP-23, 6"-2	SP-19-16,0-6"	SP-19-16,6"-2'
Method	**Analyte**		mg/Kg	mg/Kg	mg/Kg	mg/Kg	8.41		8.21	8.63				
6010B	Lead	6.9-7.24	400	NRO	107	1420								
6010B	Lead	7.25-7.74	400	NRO	107	1420								
6010B	Lead	7.75-8.24	400	NRO	107	1420			100					
6010B	Lead	8.25-8.74	400	NRO	107	1420	**130**	100		51	**190**	**200**	**250**	98
6010B	Nickel	6.9-7.24	1600	13000	180	3500								
6010B	Nickel	7.25-7.74	1600	13000	700	14000								
6010B	Nickel	7.75-8.24	1600	13000	3800	76000			24					
6010B	Nickel	8.25-8.74	1600	13000	__a	__a	22	18		25	31	26	15	13
6010B	Selenium	6.9-7.24	390	NRO	4.5	4.5								
6010B	Selenium	7.25-7.74	390	NRO	3.3	3.3								
6010B	Selenium	7.75-8.24	390	NRO	2.4	2.4			<1.1					
6010B	Selenium	8.25-8.74	390	NRO	1.8	1.8	<0.97	<1.1		<1.0	<1.1	<1.0	<1.1	<1.0
6010B	Silver	6.9-7.24	390	NRO	13	__a								
6010B	Silver	7.25-7.74	390	NRO	39	__a								
6010B	Silver	7.75-8.24	390	NRO	110	__a			0.14					
6010B	Silver	8.25-8.74	390	NRO	__a	__a	1.8	1.8		0.17	0.37	0.37	0.29	0.13
6010B	Thallium	6.9-7.24	6.3	NRO	3	30								
6010B	Thallium	7.25-7.74	6.3	NRO	3.4	34								
6010B	Thallium	7.75-8.24	6.3	NRO	3.8	38			<1.1					
6010B	Thallium	8.25-8.74	6.3	NRO	4.4	44	0.45	1.3		<1.0	<1.1	<1.0	<1.1	<1.0
6010B	Tin	6.9-7.24	47000	NRO	__a	__a								
6010B	Tin	7.25-7.74	47000	NRO	__a	__a								
6010B	Tin	7.75-8.24	47000	NRO	__a	__a			12					
6010B	Tin	8.25-8.74	47000	NRO	__a	__a	30	14		6.9	39	31	37	36
6010B	Vanadium	6.9-7.24	550	NRO	980	NRO								
6010B	Vanadium	7.25-7.74	550	NRO	__a	NRO								
6010B	Vanadium	7.75-8.24	550	NRO	__a	__a			21					
6010B	Vanadium	8.25-8.74	550	NRO	__a	__a	18	17		26	16	21	9.4	10
6010B	Zinc	6.9-7.24	23000	NRO	7500	15000								
6010B	Zinc	7.25-7.74	23000	NRO	16000	32000								
6010B	Zinc	7.75-8.24	23000	NRO	53000	110000			240					
6010B	Zinc	8.25-8.74	23000	NRO	__a	__a	1100	500		100	890	690	1400	530
7471A	Mercury	6.9-7.24	23	10	3.3	16								
7471A	Mercury	7.25-7.74	23	10	6.4	32								
7471A	Mercury	7.75-8.24	23	10	8	40			0.0097					
7471A	Mercury	8.25-8.74	23	10	__a	__a	0.16	0.15		0.027	0.025	0.034	0.040	0.028

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table B, C and D.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
Note 2: Class I and Class II SROs are based on pH according to Tables C and D for Title 35 indicated analytes.
NRO = (No Remediation Objective) was provided in tables.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment
Additional analytes may have been requested but are not contained in the
non-TACO or TACO Tier 1 tables and are not evaluated.
Estimated results that are reported between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.
__a indicates that the data for the particular pH range is not available

Table E-1
Analytical Results for Soil and Sediment Samples - Metals

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

			* Exposure Routes for Specific SROs Residential				Sample ID/pH North and South Beach Samples												IEPA Background
		pH Range	Ingestion	Inhalation	Class I	Class II	LSF-SB-01	LSF-SB-02	LSF-SB-03	LSF-SB-04	LSF-SB-05	LSF-SB-05 DUP	LSF-B-N-01	LSF-B-N-02	LSF-B-N-03	LSF-B-N-03 DUP	LSF-B-N-04	LSF-B-N-05	
Method	**Analyte**		mg/Kg	mg/Kg	mg/Kg	mg/Kg		7.02					6.96						
6010B	Antimony	6.9-7.24	31	NRO	5	20		<2.0	0.69	0.30	<1.8	0.36	<1.8	0.79	<1.9		<2.0	<1.9	4
6010B	Antimony	7.25-7.74	31	NRO	5	20	0.28									0.93		<1.9	
6010B	Antimony	7.75-8.24	31	NRO	5	20													
6010B	Antimony	8.25-8.74	31	NRO	5	20													
6010B	Arsenic	6.9-7.24	NRO	750	29	120		1.0	8.1	2.1	1.7	1.8	1.8	4.8	2.9		1.4	2.5	13
6010B	Arsenic	7.25-7.74	NRO	750	30	120	2.5									7.6			
6010B	Arsenic	7.75-8.24	NRO	750	31	120													
6010B	Arsenic	8.25-8.74	NRO	750	32	130													
6010B	Barium	6.9-7.24	5500	690000	1700	1700		3.1	7.8	3.6	3.0	6.6	5.5	17	8.1		3.7	9.1	110
6010B	Barium	7.25-7.74	5500	690000	1800	1800	6.8									6.5			
6010B	Barium	7.75-8.24	5500	690000	2100	2100													
6010B	Barium	8.25-8.74	5500	690000	__a	__a													
6010B	Beryllium	6.9-7.24	160	1300	1000	130000		0.076	0.24	0.11	0.089	0.38	0.14	0.52	0.15		0.15	0.19	0.59
6010B	Beryllium	7.25-7.74	160	1300	140	17000	0.14									0.20			
6010B	Beryllium	7.75-8.24	160	1300	8000	1000000													
6010B	Beryllium	8.25-8.74	160	1300	__a	__a													
6010B	Cadmium	6.9-7.24	78	1800	11	110		0.069	0.84	0.068	0.098	0.065	<0.18	<0.18	<0.19		<0.20	<0.19	0.6
6010B	Cadmium	7.25-7.74	78	1800	59	590	0.33									1.0			
6010B	Cadmium	7.75-8.24	78	1800	430	4300													
6010B	Cadmium	8.25-8.74	78	1800	NRO	NRO													
6010B	Chromium	6.9-7.24	230	270	36	__a		3.1	11	3.5	3.0	5.1	3.4	8.3	5.4		2.6	4.5	16.2
6010B	Chromium	7.25-7.74	230	270	32	__a	4.4									6.9			
6010B	Chromium	7.75-8.24	230	270	28	__a													
6010B	Chromium	8.25-8.74	230	270	24	__a													
6010B	Cobalt	6.9-7.24	4700	NRO	__a	__a		1.2	4.0	1.4	1.5	1.8	1.6	4.4	2.6		1.4	2.2	8.9
6010B	Cobalt	7.25-7.74	4700	NRO	__a	__a	2.1									3.5			
6010B	Cobalt	7.75-8.24	4700	NRO	__a	__a													
6010B	Cobalt	8.25-8.74	4700	NRO	__a	__a													
6010B	Copper	6.9-7.24	2900	NRO	200000	200000		2.8	400	13	4.1	45	37	150	39		36	17	19.6
6010B	Copper	7.25-7.74	2900	NRO	330000	330000	28									35			
6010B	Copper	7.75-8.24	2900	NRO	330000	330000													
6010B	Copper	8.25-8.74	2900	NRO	__a	__a													

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

			* Exposure Routes for Specific SROs Residential				Sample ID/pH North and South Beach Samples												IEPA Background
		pH Range	Ingestion	Inhalation	Class I	Class II	LSF-SB-01	LSF-SB-02	LSF-SB-03	LSF-SB-04	LSF-SB-05	LSF-SB-05 DUP	LSF-B-N-01	LSF-B-N-02	LSF-B-N-03	LSF-B-N-03 DUP	LSF-B-N-04	LSF-B-N-05	
Method	**Analyte**		mg/Kg	mg/Kg	mg/Kg	mg/Kg		7.02					6.96						
6010B	Lead	6.9-7.24	400	NRO	107	1420		2.7	66	5.8	3.7	30	17	95	16		15	12	36
6010B	Lead	7.25-7.74	400	NRO	107	1420	11									33			
6010B	Lead	7.75-8.24	400	NRO	107	1420													
6010B	Lead	8.25-8.74	400	NRO	107	1420													
6010B	Nickel	6.9-7.24	1600	13000	180	3500		1.9	11	3.1	2.5	5.8	4.1	14	5.6		4.9	4.5	18
6010B	Nickel	7.25-7.74	1600	13000	700	14000	3.7									7.5			
6010B	Nickel	7.75-8.24	1600	13000	3800	76000													
6010B	Nickel	8.25-8.74	1600	13000	__a	__a													
6010B	Selenium	6.9-7.24	390	NRO	4.5	4.5		<1.0	0.52	<0.98	<0.92	<0.92	<0.90	<0.90	<0.94		<1.0	<0.95	0.48
6010B	Selenium	7.25-7.74	390	NRO	3.3	3.3	<0.90									<0.91			
6010B	Selenium	7.75-8.24	390	NRO	2.4	2.4													
6010B	Selenium	8.25-8.74	390	NRO	1.8	1.8													
6010B	Silver	6.9-7.24	390	NRO	13	__a		<0.51	2.4	<0.49	<0.46	<0.46	<0.45	<0.45	<0.47		<0.51	<0.48	0.55
6010B	Silver	7.25-7.74	390	NRO	39	__a	<0.45									<0.45			
6010B	Silver	7.75-8.24	390	NRO	110	__a													
6010B	Silver	8.25-8.74	390	NRO	__a	__a													
6010B	Thallium	6.9-7.24	6.3	NRO	3	30		<1.0	<0.96	<0.98	<0.92	<0.92	0.44	1.1	<0.94		<1.0	0.60	0.32
6010B	Thallium	7.25-7.74	6.3	NRO	3.4	34	<0.90									<0.91			
6010B	Thallium	7.75-8.24	6.3	NRO	3.8	38													
6010B	Thallium	8.25-8.74	6.3	NRO	4.4	44													
6010B	Tin	6.9-7.24	47000	NRO	__a	__a		0.96	7.1	1.6	1.0	16	12	56	8.5		16	5.6	--
6010B	Tin	7.25-7.74	47000	NRO	__a	__a	1.9									5.1			
6010B	Tin	7.75-8.24	47000	NRO	__a	__a													
6010B	Tin	8.25-8.74	47000	NRO	__a	__a													
6010B	Vanadium	6.9-7.24	550	NRO	980	NRO		4.7	53	8.6	9.3	4.9	4.5	11	7.3		3.6	6.6	25.2
6010B	Vanadium	7.25-7.74	550	NRO	__a	NRO	19									37			
6010B	Vanadium	7.75-8.24	550	NRO	__a	__a													
6010B	Vanadium	8.25-8.74	550	NRO	__a	__a													
6010B	Zinc	6.9-7.24	23000	NRO	7500	15000		11	280	22	25	60	190	880	130		130	120	95
6010B	Zinc	7.25-7.74	23000	NRO	16000	32000	57									210			
6010B	Zinc	7.75-8.24	23000	NRO	53000	110000													
6010B	Zinc	8.25-8.74	23000	NRO	__a	__a													
7471A	Mercury	6.9-7.24	23	10	3.3	16		<0.018	0.0097	<0.017	<0.017	<0.018	<0.017	<0.017	<0.017		<0.017	<0.017	0.06
7471A	Mercury	7.25-7.74	23	10	6.4	32	<0.017									0.0094			
7471A	Mercury	7.75-8.24	23	10	8	40													
7471A	Mercury	8.25-8.74	23	10	__a	__a													

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table B, C and D.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds
Note 2: Class I and Class II SROs are based on pH according to Tables C and D for Title 35 inc
NRO = (No Remediation Objective) was provided in tables.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment
Additional analytes may have been requested but are not contained in the
non-TACO or TACO Tier 1 tables and are not evaluated.
Estimated results that are reported between the MDL and RL (J flags) may be reported but are
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A throug
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.
__a indicates that the data for the particular pH range is not available

Table E-1
Analytical Results for Soil and Sediment Samples - Metals

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

			* Exposure Routes for Specific SROs Residential				EPA Region 5	Sample ID/pH North and South Sediment Samples			
		pH Range	Ingestion	Inhalation	Class I	Class II	Ecological Screening Level	LSF-N-01-SED	LSF-N-SED-02	LSF-SED-S-01	LSF-SED-S-02
Method	**Analyte**		mg/Kg	mg/Kg	mg/Kg	mg/Kg	**Sediment**	7.28		7.22	
6010B	Antimony	6.9-7.24	31	NRO	5	20	--			0.45	<2.4
6010B	Antimony	7.25-7.74	31	NRO	5	20		<2.1	<2.1		
6010B	Antimony	7.75-8.24	31	NRO	5	20					
6010B	Antimony	8.25-8.74	31	NRO	5	20					
6010B	Arsenic	6.9-7.24	NRO	750	29	120	9.79			3.1	3.3
6010B	Arsenic	7.25-7.74	NRO	750	30	120		5.3	2.2		
6010B	Arsenic	7.75-8.24	NRO	750	31	120					
6010B	Arsenic	8.25-8.74	NRO	750	32	130					
6010B	Barium	6.9-7.24	5500	690000	1700	1700	--			12	10
6010B	Barium	7.25-7.74	5500	690000	1800	1800		7.5	6.1		
6010B	Barium	7.75-8.24	5500	690000	2100	2100					
6010B	Barium	8.25-8.74	5500	690000	__a	__a					
6010B	Beryllium	6.9-7.24	160	1300	1000	130000	--			0.36	0.33
6010B	Beryllium	7.25-7.74	160	1300	140	17000		0.16	0.14		
6010B	Beryllium	7.75-8.24	160	1300	8000	1000000					
6010B	Beryllium	8.25-8.74	160	1300	__a	__a					
6010B	Cadmium	6.9-7.24	78	1800	11	110	0.99			0.28	0.13
6010B	Cadmium	7.25-7.74	78	1800	59	590		0.19	0.18		
6010B	Cadmium	7.75-8.24	78	1800	430	4300					
6010B	Cadmium	8.25-8.74	78	1800	NRO	NRO					
6010B	Chromium	6.9-7.24	230	270	36	__a	43.4			6.7	7.3
6010B	Chromium	7.25-7.74	230	270	32	__a		6.0	3.7		
6010B	Chromium	7.75-8.24	230	270	28	__a					
6010B	Chromium	8.25-8.74	230	270	24	__a					
6010B	Cobalt	6.9-7.24	4700	NRO	__a	__a	50			3.2	2.3
6010B	Cobalt	7.25-7.74	4700	NRO	__a	__a		2.7	2.1		
6010B	Cobalt	7.75-8.24	4700	NRO	__a	__a					
6010B	Cobalt	8.25-8.74	4700	NRO	__a	__a					
6010B	Copper	6.9-7.24	2900	NRO	200000	200000	31.6			130	60
6010B	Copper	7.25-7.74	2900	NRO	330000	330000		6.7	5.2		
6010B	Copper	7.75-8.24	2900	NRO	330000	330000					
6010B	Copper	8.25-8.74	2900	NRO	__a	__a					

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

			* Exposure Routes for Specific SROs Residential				EPA Region 5	Sample ID/pH North and South Sediment Samples			
		pH Range	Ingestion	Inhalation	Class I	Class II	Ecological Screening Level	LSF-N-01-SED	LSF-N-SED-02	LSF-SED-S-01	LSF-SED-S-02
Method	**Analyte**		mg/Kg	mg/Kg	mg/Kg	mg/Kg	**Sediment**	7.28		7.22	
6010B	Lead	6.9-7.24	400	NRO	107	1420	35.8			28	30
6010B	Lead	7.25-7.74	400	NRO	107	1420		4.0	9.8		
6010B	Lead	7.75-8.24	400	NRO	107	1420					
6010B	Lead	8.25-8.74	400	NRO	107	1420					
6010B	Nickel	6.9-7.24	1600	13000	180	3500	22.7			8.1	9.6
6010B	Nickel	7.25-7.74	1600	13000	700	14000		5.1	4.2		
6010B	Nickel	7.75-8.24	1600	13000	3800	76000					
6010B	Nickel	8.25-8.74	1600	13000	__a	__a					
6010B	Selenium	6.9-7.24	390	NRO	4.5	4.5	--			<1.2	<1.2
6010B	Selenium	7.25-7.74	390	NRO	3.3	3.3		<1.0	<1.0		
6010B	Selenium	7.75-8.24	390	NRO	2.4	2.4					
6010B	Selenium	8.25-8.74	390	NRO	1.8	1.8					
6010B	Silver	6.9-7.24	390	NRO	13	__a	0.5			<0.58	<0.60
6010B	Silver	7.25-7.74	390	NRO	39	__a		<0.52	<0.52		
6010B	Silver	7.75-8.24	390	NRO	110	__a					
6010B	Silver	8.25-8.74	390	NRO	__a	__a					
6010B	Thallium	6.9-7.24	6.3	NRO	3	30	--			<1.2	<1.2
6010B	Thallium	7.25-7.74	6.3	NRO	3.4	34		<1.0	<1.0		
6010B	Thallium	7.75-8.24	6.3	NRO	3.8	38					
6010B	Thallium	8.25-8.74	6.3	NRO	4.4	44					
6010B	Tin	6.9-7.24	47000	NRO	__a	__a	--			15	17
6010B	Tin	7.25-7.74	47000	NRO	__a	__a		0.66	9.0		
6010B	Tin	7.75-8.24	47000	NRO	__a	__a					
6010B	Tin	8.25-8.74	47000	NRO	__a	__a					
6010B	Vanadium	6.9-7.24	550	NRO	980	NRO	--			7.7	7.4
6010B	Vanadium	7.25-7.74	550	NRO	__a	NRO		9.0	6.9		
6010B	Vanadium	7.75-8.24	550	NRO	__a	__a					
6010B	Vanadium	8.25-8.74	550	NRO	__a	__a					
6010B	Zinc	6.9-7.24	23000	NRO	7500	15000	121			360	220
6010B	Zinc	7.25-7.74	23000	NRO	16000	32000		22	42		
6010B	Zinc	7.75-8.24	23000	NRO	53000	110000					
6010B	Zinc	8.25-8.74	23000	NRO	__a	__a					
7471A	Mercury	6.9-7.24	23	10	3.3	16	0.174			<0.021	<0.021
7471A	Mercury	7.25-7.74	23	10	6.4	32		<0.020	<0.020		
7471A	Mercury	7.75-8.24	23	10	8	40					
7471A	Mercury	8.25-8.74	23	10	__a	__a					

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table B, C and D.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds
Note 2: Class I and Class II SROs are based on pH according to Tables C and D for Title 35 inc
NRO = (No Remediation Objective) was provided in tables.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment
Additional analytes may have been requested but are not contained in the
non-TACO or TACO Tier 1 tables and are not evaluated.
Estimated results that are reported between the MDL and RL (J flags) may be reported but are
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A throug
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.
__a indicates that the data for the particular pH range is not available

Table E-2
Analytical Results for Soil Samples - VOCs

Customer Deigan & Associates
Project Lake Shore Foundry, Waukegan
Sample Date 6/18/2008
Lab Name TestAmerica Chicago
Job Number 500-12109-1

		* Exposure Routes for Specific SROs Residential				* Exposure Routes for Specific SROs Industrial/Commercial				* Exposure Routes for Specific SROs Construction Worker				Sample ID/pH		
		Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	Class I	Class II	LSF-N-01-SED	SP-23, 0-6"	SP-23, 6"-2
Method	**Analyte**	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	7.28		
8260B	1,1,1-Trichloroethane	NRO	1200	2	9.6	NRO	1200	2	9.6	NRO	1200	2	9.6	<0.0057	<0.0047	<0.0047
8260B	*1,1,2,2-Tetrachloroethane*	4700	2000	3.3	3.3	120000	2000	3.3	3.3	12000	2000	3.3	3.3	<0.0057	<0.0047	<0.0047
8260B	1,1,2-Trichloroethane	310	1800	0.02	0.3	8200	1800	0.02	0.3	8200	1800	0.02	0.3	<0.0057	<0.0047	<0.0047
8260B	1,1-Dichloroethane	7800	1300	23	110	200000	1700	23	110	200000	130	23	110	<0.0057	<0.0047	<0.0047
8260B	1,1-Dichloroethene	3900	290	0.06	0.3	100000	470	0.06	0.3	10000	3	0.06	0.3	<0.0057	<0.0047	<0.0047
8260B	1,2-Dichloroethane	7	0.4	0.02	0.1	63	0.7	0.02	0.1	1400	0.99	0.02	0.1	<0.0057	<0.0047	<0.0047
8260B	1,2-Dichloropropane	9	15	0.03	0.15	84	23	0.03	0.15	1800	0.5	0.03	0.15	<0.0057	<0.0047	<0.0047
8260B	1,3-Dichloropropene, Total	6.4	1.1	0.004	0.02	57	2.1	0.004	0.02	1200	0.39	0.004	0.02	<0.0057	<0.0047	<0.0047
8260B	2-Hexanone	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.0057	<0.0047	<0.0047
8260B	Acetone	70000	100000	25	25	NRO	100000	25	25	NRO	100000	25	25	<0.0057	<0.0047	<0.0047
8260B	Benzene	12	0.8	0.03	0.17	100	1.6	0.03	0.17	2300	2.2	0.03	0.17	<0.0057	<0.0047	<0.0047
8260B	Bromodichloromethane	10	3000	0.6	0.6	92	3000	0.6	0.6	2000	3000	0.6	0.6	<0.0057	<0.0047	<0.0047
8260B	Bromoform	81	53	0.8	0.8	720	100	0.8	0.8	16000	140	0.8	0.8	<0.0057	<0.0047	<0.0047
8260B	Bromomethane	110	10	0.2	1.2	2900	15	0.2	1.2	1000	3.9	0.2	1.2	<0.0057	<0.0047	<0.0047
8260B	Carbon disulfide	7800	720	32	160	200000	720	32	160	20000	9	32	160	<0.0057	<0.0047	<0.0047
8260B	Carbon tetrachloride	5	0.3	0.07	0.33	44	0.64	0.07	0.33	410	0.9	0.07	0.33	<0.0057	<0.0047	<0.0047
8260B	Chlorobenzene	1600	130	1	6.5	41000	210	1	6.5	4100	1.3	1	6.5	<0.0057	<0.0047	<0.0047
8260B	*Chloroethane*	NRO	1500	NRO	NRO	NRO	1500	NRO	NRO	20000	95	NRO	NRO	<0.0057	<0.0047	<0.0047
8260B	Chloroform	100	0.3	0.6	2.9	940	0.54	0.6	2.9	2000	0.76	0.6	2.9	<0.0057	<0.0047	<0.0047
8260B	Chloromethane	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.0057	<0.0047	<0.0047
8260B	cis-1,2-Dichloroethene	780	1200	0.4	1.1	20000	1200	0.4	1.1	20000	1200	0.4	1.1	<0.0057	<0.0047	<0.0047
8260B	cis-1,3-Dichloropropene	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.0057	<0.0047	<0.0047
8260B	Dibromochloromethane	1600	1300	0.4	0.4	41000	1300	0.4	0.4	41000	1300	0.4	0.4	<0.0057	<0.0047	<0.0047
8260B	Ethylbenzene	7800	400	13	19	200000	400	13	19	20000	58	13	19	<0.0057	<0.0047	<0.0047
8260B	*Methyl Ethyl Ketone*	47000	25000	17	17	1000000	25000	17	17	120000	710	17	17	<0.0057	<0.0047	<0.0047
8260B	*methyl isobutyl ketone*	NRO	3100	NRO	NRO	NRO	3100	NRO	NRO	NRO	340	NRO	NRO	<0.0057	<0.0047	<0.0047
8260B	Methyl tert-butyl ether	780	8800	0.32	0.32	20000	8800	0.32	0.32	2000	140	0.32	0.32	<0.0057	<0.0047	<0.0047
8260B	Methylene Chloride	85	13	0.02	0.2	760	24	0.02	0.2	12000	34	0.02	0.2	<0.0057	<0.0047	<0.0047
8260B	Styrene	16000	1500	4	18	410000	1500	4	18	41000	430	4	18	<0.0057	<0.0047	<0.0047
8260B	Tetrachloroethene	12	11	0.06	0.3	110	20	0.06	0.3	2400	28	0.06	0.3	<0.0057	<0.0047	<0.0047
8260B	Toluene	16000	650	12	29	410000	650	12	29	410000	42	12	29	<0.0057	<0.0047	<0.0047
8260B	trans-1,2-Dichloroethene	1600	3100	0.7	3.4	41000	3100	0.7	3.4	41000	3100	0.7	3.4	<0.0057	<0.0047	<0.0047
8260B	trans-1,3-Dichloropropene	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.0057	<0.0047	<0.0047
8260B	Trichloroethene	58	5	0.06	0.3	520	8.9	0.06	0.3	1200	12	0.06	0.3	<0.0057	<0.0047	<0.0047
8260B	Vinyl chloride	0.46	0.28	0.01	0.07	7.9	1.1	0.01	0.07	170	1.1	0.01	0.07	<0.0057	<0.0047	<0.0047
8260B	Xylenes, Total	16000	320	150	150	410000	320	150	150	41000	5.6	150	150	<0.011	<0.0094	<0.0095

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table A, C and D.
All results are mg/Kg and dry weight unless otherwise requested
NRO = (No Remediation Objective) was provided in table A, C or D in Title 35 Part 742
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
Note 2: Class I and Class II SROs are based on pH according to Tables C and D for Title 35 indicated analytes.
Additional analytes may have been requested to be reported but are not contained in the
non-TACO or TACO Tier 1 Appendix B tables and so are not evaluated.
Estimated results that are reported between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report for J flagged values.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report for any dilutions.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.
Xylenes, Total is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.
NRO/NRO* indicates that pH analysis was not requested and the values for Class I and Class II can not be provided.

Table E-3
Analytical Results for Soil Samples - SVOCs

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		* Exposure Routes for Specific SROs				* Exposure Routes for Specific SROs								Sample ID/pH		
		Residential				Industrial/Commercial				Construction Worker						
		Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	Class I	Class II	LSF-N-01-SED	SP-23, 0-6"	SP-23, 6"-2
Method	**Analyte**	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	7.28		
8270C	1,2,4-Trichlorobenzene	780	3200	5	53	20000	3200	5	53	2000	920	5	53	<0.20	<0.19	<0.18
8270C	1,2-Dichlorobenzene	7000	560	17	43	180000	560	17	43	18000	310	17	43	<0.20	<0.19	<0.18
8270C	1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.20	<0.19	<0.18
8270C	1,4-Dichlorobenzene	NRO	11000	2	11	NRO	17000	2	11	NRO	340	2	11	<0.20	<0.19	<0.18
8270C	2,2'-oxybis[1-chloropropane]	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.20	<0.19	<0.18
8270C	2,4,5-Trichlorophenol	7800	NRO	130	640	200000	NRO	130	640	200000	NRO	130	640	<0.39		
8270C	2,4,5-Trichlorophenol	7800	NRO	***NRO***	***NRO***	200000	NRO	***NRO***	***NRO***	200000	NRO	***NRO***	***NRO***		<0.38	<0.37
8270C	2,4,6-Trichlorophenol	58	200	0.09	0.09	520	390	0.09	0.09	11000	540	0.09	0.09	<0.39		
8270C	2,4,6-Trichlorophenol	58	200	***NRO***	***NRO***	520	390	***NRO***	***NRO***	11000	540	***NRO***	***NRO***		<0.38	<0.37
8270C	2,4-Dichlorophenol	230	NRO	0.86	0.86	6100	NRO	0.86	0.86	610	NRO	0.86	0.86	<0.39		
8270C	2,4-Dichlorophenol	230	NRO	***NRO***	***NRO***	6100	NRO	***NRO***	***NRO***	610	NRO	***NRO***	***NRO***		<0.38	<0.37
8270C	2,4-Dimethylphenol	1600	NRO	9	9	41000	NRO	9	9	41000	NRO	9	9	<0.39	<0.38	<0.37
8270C	2,4-Dinitrophenol	160	NRO	0.2	0.2	4100	NRO	0.2	0.2	410	NRO	0.2	0.2	<0.79	<0.77	<0.74
8270C	2,4-Dinitrotoluene	0.9	NRO	0.0008	0.0008	8.4	NRO	0.0008	0.0008	180	NRO	0.0008	0.0008	<0.20	<0.19	<0.18
8270C	2,6-Dinitrotoluene	0.9	NRO	0.0007	0.0007	8.4	NRO	0.0007	0.0007	180	NRO	0.0007	0.0007	<0.20	<0.19	<0.18
8270C	*2-Chloronaphthalene*	6300	NRO	49	240	160000	NRO	49	240	160000	NRO	49	240	<0.20	<0.19	<0.18
8270C	2-Chlorophenol	390	53000	3.6	3.6	10000	53000	3.6	3.6	10000	53000	3.6	3.6	<0.20		
8270C	2-Chlorophenol	390	53000	***NRO***	***NRO***	10000	53000	***NRO***	***NRO***	10000	53000	***NRO***	***NRO***		<0.19	<0.18
8270C	*2-Methylnaphthalene*	310	NRO	1.9	9.5	8200	NRO	1.9	9.5	820	NRO	1.9	9.5	<0.20	<0.19	0.026
8270C	2-Methylphenol	3900	NRO	15	15	100000	NRO	15	15	100000	NRO	15	15	<0.20	<0.19	<0.18
8270C	*2-Nitroaniline*	230	35	0.14	0.14	6100	56	0.14	0.14	610	3.6	0.14	0.14	<0.20	<0.19	<0.18
8270C	2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.39	<0.38	<0.37
8270C	*3 & 4 Methylphenol*	390	NRO	0.2	0.2	10000	NRO	0.2	0.2	1000	NRO	0.2	0.2	<0.20	<0.19	<0.18
8270C	3,3'-Dichlorobenzidine	1	NRO	0.007	0.033	13	NRO	0.007	0.033	280	NRO	0.007	0.033	<0.20	<0.19	<0.18
8270C	*3-Nitroaniline*	23	250	0.01	0.01	610	400	0.01	0.01	61	26	0.01	0.01	<0.39	<0.38	<0.37
8270C	*4,6-Dinitro-2-methylphenol*	7.8	NRO	0.0031	0.0031	200	NRO	0.0031	0.0031	820	NRO	0.0031	0.0031	<0.39	<0.38	<0.37
8270C	4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.20	<0.19	<0.18
8270C	4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.39	<0.38	<0.37
8270C	4-Chloroaniline	310	NRO	0.7	0.7	8200	NRO	0.7	0.7	820	NRO	0.7	0.7	<0.79	<0.77	<0.74
8270C	4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.20	<0.19	<0.18
8270C	*4-Nitroaniline*	230	1000	0.1	0.1	6100	1600	0.1	0.1	610	110	0.1	0.1	<0.39	<0.38	<0.37
8270C	*4-Nitrophenol*	630	NRO	0.23	0.23	16000	NRO	0.23	0.23	16000	NRO	0.23	0.23		<0.77	<0.74
8270C	*4-Nitrophenol*	630	NRO	0.24	0.24	16000	NRO	0.24	0.24	16000	NRO	0.24	0.24	<0.79		
8270C	Acenaphthene	4700	NRO	570	2900	120000	NRO	570	2900	120000	NRO	570	2900	<0.039	<0.038	0.023
8270C	*Acenaphthylene*	2300	NRO	85	420	61000	NRO	85	420	61000	NRO	85	420	<0.039	<0.038	0.013
8270C	Anthracene	23000	NRO	12000	59000	610000	NRO	12000	59000	610000	NRO	12000	59000	<0.039	0.014	0.098
8270C	Benzo[a]anthracene	0.9	NRO	2	8	8	NRO	2	8	170	NRO	2	8	<0.039	0.067	0.44
8270C	Benzo[a]pyrene	0.09	NRO	8	82	0.8	NRO	8	82	17	NRO	8	82	0.025	0.075	**0.45**
8270C	Benzo[b]fluoranthene	0.9	NRO	5	25	8	NRO	5	25	170	NRO	5	25	0.022	0.090	0.50
8270C	*Benzo[g,h,i]perylene*	2300	NRO	27000	130000	61000	NRO	27000	130000	61000	NRO	27000	130000	0.022	0.056	0.29
8270C	Benzo[k]fluoranthene	9	NRO	49	250	78	NRO	49	250	1700	NRO	49	250	0.023	0.045	0.21
8270C	Bis(2-chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.20	<0.19	<0.18
8270C	Bis(2-chloroethyl)ether	0.6	0.2	0.0004	0.0004	5	0.47	0.0004	0.0004	75	0.66	0.0004	0.0004	<0.20	<0.19	<0.18
8270C	Bis(2-ethylhexyl) phthalate	46	31000	3600	31000	410	31000	3600	31000	4100	31000	3600	31000	<0.20	0.45	0.32
8270C	Butyl benzyl phthalate	16000	930	930	930	410000	930	930	930	410000	930	930	930	<0.20	<0.19	0.017
8270C	Carbazole	32	NRO	0.6	2.8	290	NRO	0.6	2.8	6200	NRO	0.6	2.8	<0.20	<0.19	0.040
8270C	Chrysene	88	NRO	160	800	780	NRO	160	800	17000	NRO	160	800	<0.039	0.078	0.54
8270C	Dibenz(a,h)anthracene	0.09	NRO	2	7.6	0.8	NRO	2	7.6	17	NRO	2	7.6	0.014	0.018	**0.097**
8270C	*Dibenzofuran*	160	NRO	6.1	30	4100	NRO	6.1	30	4100	NRO	6.1	30	<0.20	<0.19	0.025

Table E-3
Analytical Results for Soil Samples - SVOCs

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		* Exposure Routes for Specific SROs				* Exposure Routes for Specific SROs								Sample ID/pH		
		Residential				Industrial/Commercial				Construction Worker						
		Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	Class I	Class II	Ingestion	Inhalation	Class I	Class II	LSF-N-01-SED	SP-23, 0-6"	SP-23, 6"-2
Method	**Analyte**	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	7.28		
8270C	Diethyl phthalate	63000	2000	470	470	1000000	2000	470	470	1000000	2000	470	470	<0.20	<0.19	<0.18
8270C	Dimethyl phthalate	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	<0.20	<0.19	<0.18
8270C	Di-n-butyl phthalate	7800	2300	2300	2300	200000	2300	2300	2300	200000	2300	2300	2300	<0.20	<0.19	<0.18
8270C	Di-n-octyl phthalate	1600	10000	10000	10000	41000	10000	10000	10000	4100	10000	10000	10000	<0.20	<0.19	<0.18
8270C	Fluoranthene	3100	NRO	4300	21000	82000	NRO	4300	21000	82000	NRO	4300	21000	0.016	0.15	0.79
8270C	Fluorene	3100	NRO	560	2800	82000	NRO	560	2800	82000	NRO	560	2800	<0.039	<0.038	0.030
8270C	Hexachlorobenzene	0.4	1	2	11	4	1.8	2	11	78	2.6	2	11	<0.079	<0.077	0.0081
8270C	*Hexachlorobutadiene*	78	150	2.2	11	2000	150	2.2	11	200	70	2.2	11	<0.20	<0.19	<0.18
8270C	Hexachlorocyclopentadiene	550	10	400	2200	14000	16	400	2200	14000	1.1	400	2200	<0.79	<0.77	<0.74
8270C	Hexachloroethane	78	NRO	0.5	2.6	2000	NRO	0.5	2.6	2000	NRO	0.5	2.6	<0.20	<0.19	<0.18
8270C	Indeno[1,2,3-cd]pyrene	0.9	NRO	14	69	8	NRO	14	69	170	NRO	14	69	0.018	0.047	0.28
8270C	Isophorone	15600	4600	8	8	410000	4600	8	8	410000	4600	8	8	<0.20	<0.19	<0.18
8270C	Naphthalene	1600	170	12	18	41000	270	12	18	4100	1.8	12	18	<0.039	<0.038	0.022
8270C	Nitrobenzene	39	92	0.1	0.1	1000	140	0.1	0.1	1000	9.4	0.1	0.1	<0.039	<0.038	<0.037
8270C	N-Nitrosodi-n-propylamine	0.09	NRO	0.00005	0.00005	0.8	NRO	0.00005	0.00005	18	NRO	0.00005	0.00005	<0.20	<0.19	<0.18
8270C	N-Nitrosodiphenylamine	130	NRO	1	5.6	1200	NRO	1	5.6	25000	NRO	1	5.6	<0.20	<0.19	<0.18
8270C	Pentachlorophenol	3	NRO	0.02	0.11	24	NRO	0.02	0.11	520	NRO	0.02	0.11	<0.79		
8270C	Pentachlorophenol	3	NRO	***NRO***	***NRO***	24	NRO	***NRO***	***NRO***	520	NRO	***NRO***	***NRO***		<0.77	<0.74
8270C	*Phenanthrene*	2300	NRO	200	1000	61000	NRO	200	1000	61000	NRO	200	1000	0.010	0.062	0.48
8270C	Phenol	23000	NRO	100	100	610000	NRO	100	100	61000	NRO	100	100	<0.20	<0.19	<0.18
8270C	Pyrene	2300	NRO	4200	21000	61000	NRO	4200	21000	61000	NRO	4200	21000	0.015	0.12	0.86

* Exposure Routes for Soil Remediation Objectives (SROs) are based on
Title 35 Part 742 Tier 1 Appendix B Table A, C and D.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
Note 2: Class I and Class II SROs are based on pH according to Tables C and D for Title 35 indicated analytes.
NRO = (No Remediation Objective) was provided in tables.
NRO/NRO indicates that pH analysis was not requested and the values for Class I and Class II can not be provided.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.
Additional analytes may have been requested but are not contained in the
non-TACO or TACO Tier 1 tables and are not evaluated.
Estimated results that are between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
3&4-Methylphenol does not separate analytically on the columns and are reported as combined analytes.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.

Table E-4
Analytical Results for PAH in
Background Soils-Metropolitan

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		Background Concentrations			Sample ID		
		Chicago	Metropolitan	Non Metropolitan			
Method	Analyte	mg/Kg	mg/Kg	mg/Kg	LSF-N-01-SED	SP-23, 0-6"	SP-23, 6"-2
8270C	*2-Methylnaphthalene*	NRO	0.14	0.29	<0.20	<0.19	0.026
8270C	Acenaphthene	0.09	0.13	0.04	<0.039	<0.038	0.023
8270C	*Acenaphthylene*	0.03	0.07	0.04	<0.039	<0.038	0.013
8270C	Anthracene	0.25	0.4	0.14	<0.039	0.014	0.098
8270C	Benzo[a]anthracene	1.1	1.8	0.72	<0.039	0.067	0.44
8270C	Benzo[a]pyrene	1.3	2.1	0.98	0.025	0.075	0.45
8270C	Benzo[b]fluoranthene	1.5	2.1	0.7	0.022	0.090	0.50
8270C	*Benzo[g,h,i]perylene*	0.68	1.7	0.84	0.022	0.056	0.29
8270C	Benzo[k]fluoranthene	0.99	1.7	0.63	0.023	0.045	0.21
8270C	Chrysene	1.2	2.7	1.1	<0.039	0.078	0.54
8270C	Dibenz(a,h)anthracene	0.2	0.42	0.15	0.014	0.018	0.097
8270C	Fluoranthene	2.7	4.1	1.8	0.016	0.15	0.79
8270C	Fluorene	0.1	0.18	0.04	<0.039	<0.038	0.030
8270C	Indeno[1,2,3-cd]pyrene	0.86	1.6	0.51	0.018	0.047	0.28
8270C	Naphthalene	0.04	0.2	0.17	<0.039	<0.038	0.022
8270C	*Phenanthrene*	1.3	2.5	0.99	0.010	0.062	0.48
8270C	Pyrene	1.9	3	1.2	0.015	0.12	0.86

Background Soils for Chicago / Metropolitan / Non-Metropolitan are based on
Title 35 Part 742 Tier 1 Appendix B Table F.
All results are mg/Kg and dry weight unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.
Estimated results that are reported between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.
Metropolitan area means a populated area, as defined in Section 742.200, (other than the City of Chicago) that is located within any county in a metropolitan Statistical Area listed in Appendix A, Table G, footnote a.
Non-Metropolitan area means a populated area, as defined in Section 742.200, that is not located within any county in a Metropolitan Statistical Area listed in Appendix A, Table G, footnote a.

Deigan & Associates, LLC
Environmental Consultants

Appendix F— Ground Water Analytical Data Compared to Objectives

DOCC Report Addendum
August 2008
Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

Appendix F-1
Analytical Results for Water Samples - Human Health

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		Remediation Objective		Sample ID						
		Class I	Class II	LSF-MW-01	LSF-MW-02	LSF-MW-03	LSF-MW-04	EXIST. SOUTH BKG. MW	Existing North Background Well	
Method	**Analyte**	mg/L	mg/L	pH:7.56	pH:7.68	pH: 9.01	pH: 8.23	pH: 7.3	Feb-06	May-07
6010B	Arsenic	0.05	0.2	**0.17**	0.025	0.012	0.049	<0.010	0.021	0.058
6010B	Barium	2	2	0.59	0.47	0.22	0.10	0.21	0.35	0.19
6010B	Beryllium	0.004	0.5	0.0035	0.0020	0.00096	0.00051	<0.0040	0.00089	0.00045
6010B	Cadmium	0.005	0.05	**0.0098**	**0.017**	0.0022	<0.0020	0.00058	0.0033	0.00055
6010B	Chromium	0.1	1	**0.13**	**0.11**	0.021	0.015	0.0034	0.037	0.0094
6010B	Cobalt	1	1	0.10	0.035	0.0095	0.0032	0.0056	0.016	0.0078
6010B	Copper	0.65	0.65	**2.4**	**9.0**	**3.9**	0.47	0.016	0.16	0.044
6010B	Lead	0.0075	0.1	**1.2**	**2.8**	**0.48**	**0.11**	**0.0078**	0.22	0.042
6010B	Nickel	0.1	2	**0.27**	**0.20**	0.077	0.027	0.0085	0.047	0.022
6010B	Selenium	0.05	0.05	0.0091	<0.010	<0.010	<0.010	<0.010	ND	0.00088
6010B	Silver	0.05	NRO	0.0026	0.0025	<0.0050	<0.0050	<0.0050	ND	0.00011
6010B	*Tin*	4.2	NRO	0.13	0.14	0.014	0.0066	<0.020	0.006	ND
6010B	Vanadium	0.049	0.1	**0.16**	**0.055**	0.020	0.011	0.0037	0.037	0.0051
6010B	Zinc	5	10	2.2	**5.3**	1.7	0.26	0.039	0.48	0.14
6010B-Diss	Arsenic, Diss	NRO	NRO	<0.010	<0.010	0.0039	0.041	<0.010		
6010B-Diss	Barium, Diss	NRO	NRO	0.058	0.088	0.052	0.038	0.072		
6010B-Diss	Beryllium, Diss	NRO	NRO	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040		
6010B-Diss	Cadmium, Diss	NRO	NRO	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020		
6010B-Diss	Chromium, Diss	NRO	NRO	<0.010	0.0017	0.0017	0.0019	<0.010		
6010B-Diss	Cobalt, Diss	NRO	NRO	0.0048	0.0019	<0.0050	<0.0050	<0.0050		
6010B-Diss	Copper, Diss	NRO	NRO	0.0038	0.065	0.014	0.018	0.0052		
6010B-Diss	Lead, Diss	NRO	NRO	<0.0050	0.0035	<0.0050	0.0022	<0.0050		
6010B-Diss	Nickel, Diss	NRO	NRO	0.021	0.026	0.0033	0.020	0.0026		
6010B-Diss	Selenium, Diss	NRO	NRO	<0.010	<0.010	<0.010	<0.010	<0.010		
6010B-Diss	Silver, Diss	NRO	NRO	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050		
6010B-Diss	*Tin, Diss*	NRO	NRO	<0.020	<0.020	<0.020	<0.020	<0.020		
6010B-Diss	Vanadium, Diss	NRO	NRO	0.0024	<0.0050	0.0032	0.0040	0.0013		
6010B-Diss	Zinc, Diss	NRO	NRO	0.022	0.099	0.0038	0.018	0.011		
6020	Antimony	0.006	0.024	**0.013**	**0.011**	0.0035	**0.0098**	0.00065	0.005	0.00049
6020	Thallium	0.002	0.02	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	ND	0.00065
6020-Diss	Antimony, Diss	0.006	0.024	0.0014	0.0054	0.0030	**0.0092**	<0.0020		
6020-Diss	Thallium, Diss	0.002	0.02	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020		
7470A	Mercury	0.002	0.01	0.00037	0.0019	0.00028	0.00016	0.00021	0.0014	0.00035
7470A-Diss	Mercury, Diss	NRO	NRO	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020		

Appendix F-1
Analytical Results for Water Samples - Human Health

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		Remediation Objective		Sample ID						
		Class I	Class II	LSF-MW-01	LSF-MW-02	LSF-MW-03	LSF-MW-04	EXIST. SOUTH BKG. MW	Existing North Background Well	
Method	**Analyte**	mg/L	mg/L	pH:7.56	pH:7.68	pH: 9.01	pH: 8.23	pH: 7.3	Feb-06	May-07
8260B	1,1,1-Trichloroethane	0.2	1	<0.0010						
8260B	*1,1,2,2-Tetrachloroethane*	0.42	0.42	<0.0010						
8260B	1,1,2-Trichloroethane	0.005	0.05	<0.0010						
8260B	1,1-Dichloroethane	0.7	3.5	<0.0010						
8260B	1,1-Dichloroethene	0.007	0.035	<0.0010						
8260B	1,2-Dichloroethane	0.005	0.025	<0.0010						
8260B	1,2-Dichloropropane	0.005	0.025	<0.0010						
8260B	1,3-Dichloropropene, Total	0.001	0.005	<0.0010						
8260B	2-Hexanone	NRO	NRO	<0.0050						
8260B	Acetone	6.3	6.3	<0.0050						
8260B	Benzene	0.005	0.025	<0.0010						
8260B	Bromodichloromethane	0.0002	0.0002	<0.0010						
8260B	Bromoform	0.001	0.001	<0.0010						
8260B	Bromomethane	0.0098	0.049	<0.0010						
8260B	Carbon disulfide	0.7	3.5	<0.0050						
8260B	Carbon tetrachloride	0.005	0.025	<0.0010						
8260B	Chlorobenzene	0.1	0.5	<0.0010						
8260B	*Chloroethane*	NRO	NRO	<0.0010						
8260B	Chloroform	0.0002	0.001	<0.0010						
8260B	Chloromethane	NRO	NRO	<0.0010						
8260B	cis-1,2-Dichloroethene	0.07	0.2	0.0013						
8260B	cis-1,3-Dichloropropene	NRO	NRO	<0.0010						
8260B	Dibromochloromethane	0.14	0.14	<0.0010						
8260B	Ethylbenzene	0.7	1	<0.0010						
8260B	*Methyl Ethyl Ketone*	4.2	4.2	<0.0050						
8260B	*methyl isobutyl ketone*	NRO	NRO	<0.0050						
8260B	Methyl tert-butyl ether	0.07	0.07	<0.0010						
8260B	Methylene Chloride	0.005	0.05	<0.0020						
8260B	Styrene	0.1	0.5	<0.0010						
8260B	Tetrachloroethene	0.005	0.025	<0.0010						
8260B	Toluene	1	2.5	<0.0010						
8260B	trans-1,2-Dichloroethene	0.1	0.5	<0.0010						
8260B	trans-1,3-Dichloropropene	NRO	NRO	<0.0010						
8260B	Trichloroethene	0.005	0.025	<0.0010						
8260B	Vinyl chloride	0.002	0.01	<0.0010						
8260B	Xylenes, Total	10	10	<0.0020						

Appendix F-1
Analytical Results for Water Samples - Human Health

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		Remediation Objective		Sample ID						
		Class I	Class II	LSF-MW-01	LSF-MW-02	LSF-MW-03	LSF-MW-04	EXIST. SOUTH BKG. MW	Existing North Background Well	
Method	**Analyte**	mg/L	mg/L	pH:7.56	pH:7.68	pH: 9.01	pH: 8.23	pH: 7.3	Feb-06	May-07
8270C	1,2,4-Trichlorobenzene	0.07	0.7	<0.0019						
8270C	1,2-Dichlorobenzene	0.6	1.5	<0.0019						
8270C	1,3-Dichlorobenzene	NRO	NRO	<0.0019						
8270C	1,4-Dichlorobenzene	0.075	0.375	<0.0019						
8270C	2,2'-oxybis[1-chloropropane]	NRO	NRO	<0.0019						
8270C	2,4,5-Trichlorophenol	0.7	3.5	<0.0093						
8270C	2,4,6-Trichlorophenol	0.01	0.01	<0.0047						
8270C	2,4-Dichlorophenol	0.021	0.021	<0.0093						
8270C	2,4-Dimethylphenol	0.14	0.14	<0.0093						
8270C	2,4-Dinitrophenol	0.014	0.014	<0.019						
8270C	2,4-Dinitrotoluene	0.00002	0.00002	<0.00093						
8270C	2,6-Dinitrotoluene	0.00031	0.00031	<0.00047						
8270C	*2-Chloronaphthalene*	0.56	2.8	<0.0019						
8270C	2-Chlorophenol	0.035	0.035	<0.0047						
8270C	*2-Methylnaphthalene*	0.028	0.14	<0.00047						
8270C	2-Methylphenol	0.35	0.35	<0.0019						
8270C	*2-Nitroaniline*	0.021	0.021	<0.0047						
8270C	2-Nitrophenol	NRO	NRO	<0.0093						
8270C	*3 & 4 Methylphenol*	0.035	0.035	<0.0019						
8270C	3,3'-Dichlorobenzidine	0.02	0.1	<0.0047						
8270C	*3-Nitroaniline*	0.0021	0.0021	<0.0093						
8270C	*4,6-Dinitro-2-methylphenol*	NRO	NRO	<0.019						
8270C	4-Bromophenyl phenyl ether	NRO	NRO	<0.0047						
8270C	4-Chloro-3-methylphenol	NRO	NRO	<0.0093						
8270C	4-Chloroaniline	0.028	0.028	<0.0093						
8270C	4-Chlorophenyl phenyl ether	NRO	NRO	<0.0047						
8270C	*4-Nitroaniline*	0.021	0.021	<0.0093						
8270C	*4-Nitrophenol*	0.056	0.056	<0.019						
8270C	Acenaphthene	0.42	2.1	<0.00093						
8270C	*Acenaphthylene*	0.21	1.05	<0.00093						
8270C	Anthracene	2.1	10.5	<0.00093						
8270C	Benzo[a]anthracene	0.00013	0.00065	<0.00012						
8270C	Benzo[a]pyrene	0.0002	0.002	<0.00019						
8270C	Benzo[b]fluoranthene	0.00018	0.0009	<0.00017						
8270C	*Benzo[g,h,i]perylene*	0.21	1.05	<0.00093						
8270C	Benzo[k]fluoranthene	0.00017	0.00085	<0.00016						
8270C	Bis(2-chloroethoxy)methane	NRO	NRO	<0.0019						
8270C	Bis(2-chloroethyl)ether	0.01	0.01	<0.0019						
8270C	Bis(2-ethylhexyl) phthalate	0.006	0.06	<0.0093						
8270C	Butyl benzyl phthalate	1.4	7	<0.0019						
8270C	Carbazole	NRO	NRO	<0.0047						
8270C	Chrysene	0.0015	0.0075	<0.00047						
8270C	Dibenz(a,h)anthracene	0.0003	0.0015	<0.00028						
8270C	*Dibenzofuran*	0.014	0.07	<0.0019						
8270C	Diethyl phthalate	5.6	5.6	<0.0019						
8270C	Dimethyl phthalate	NRO	NRO	<0.0019						
8270C	Di-n-butyl phthalate	0.7	3.5	<0.0047						
8270C	Di-n-octyl phthalate	0.14	0.7	<0.0093						
8270C	Fluoranthene	0.28	1.4	<0.00093						

Appendix F-1
Analytical Results for Water Samples - Human Health

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		Remediation Objective		Sample ID						
		Class I	Class II	LSF-MW-01	LSF-MW-02	LSF-MW-03	LSF-MW-04	EXIST. SOUTH BKG. MW	Existing North Background Well	
Method	**Analyte**	mg/L	mg/L	pH:7.56	pH:7.68	pH: 9.01	pH: 8.23	pH: 7.3	Feb-06	May-07
8270C	Fluorene	0.28	1.4	<0.00093						
8270C	Hexachlorobenzene	0.00006	0.0003	<0.00047						
8270C	*Hexachlorobutadiene*	0.007	0.035	<0.0047						
8270C	Hexachlorocyclopentadiene	0.05	0.5	<0.019						
8270C	Hexachloroethane	0.007	0.035	<0.0047						
8270C	Indeno[1,2,3-cd]pyrene	0.00043	0.00215	<0.00019						
8270C	Isophorone	1.4	1.4	<0.0019						
8270C	Naphthalene	0.14	0.22	<0.00093						
8270C	Nitrobenzene	0.0035	0.0035	<0.00093						
8270C	N-Nitrosodi-n-propylamine	0.0018	0.0018	<0.00047						
8270C	N-Nitrosodiphenylamine	0.0032	0.016	<0.00093						
8270C	Pentachlorophenol	0.001	0.005	<0.019						
8270C	*Phenanthrene*	0.21	1.05	<0.00093						
8270C	Phenol	0.1	0.1	<0.0047						
8270C	Pyrene	0.21	1.05	<0.00093						

* Groundwater Remediation Objectives (GROs) are based on
Title 35 Part 742 Tier 1 Appendix B
All results are mg/L unless otherwise requested.
Note 1: Results that are Bolded and Shaded indicate that the measured concentration exceeds any one of the SROs.
NRO = (No Remediation Objective) was provided in the tables.
ND = Not detectetd.
** The groundwater objective is equal to the Acceptable Detection Limit (ADL) for carcinogens.
Non TACO analytes are italicized and limits are based on the Illinois EPA Toxicity Assessment Unit May 1, 2007.
Additional analytes may have been requested to be reported but are not contained in the
non-TACO or TACO Tier 1 tables and are not evaluated.
Estimated results that are reported between the MDL and RL (J flags) may be reported but are not indicated with a flag.
Please refer to the report.
Results may have been achieved by a dilution and are not indicated with a flag. Please refer to the report.
3&4-Methylphenol do not separate analytically on the 8270 columns and are reported as combined analytes.
Xylenes, Total is a calculated result in TALs by adding the m,p-Xylene and o-Xylene results.
Total PCB is a calculated result in TALs by adding the individual PCB aroclors.
These footnotes are not an all inclusive list from Section 742 Appendix B Tier 1 Tables A through H.
For a complete detailed list see Section 742 Appendix B Tier 1 Tables A through H.

Appendix F-2
Detected Analytical Results for Water Samples - Surfac

Customer **Deigan & Associates**
Project **Lake Shore Foundry, Waukegan**
Sample Date **6/18/2008**
Lab Name **TestAmerica Chicago**
Job Number **500-12109-1**

		Surface Water Criteria		Sample ID				
			IEPA Lake Michigan Basin Standard	pH				
		Region 5 ESL	35 IAC 303.504	LSF-MW-01	LSF-MW-02	LSF-MW-03	LSF-MW-04	EXIST. SOUTH BKG. MW
Method	**Analyte**	**mg/L**	**mg/L**	7.56	7.68	9.01	8.23	7.3
6010B	Arsenic	0.148	--	0.17	0.025	0.012	0.049	<0.010
6010B	Barium	0.22	5*	0.59	0.47	0.22	0.10	0.21
6010B	Beryllium	0.0036	--	0.0035	0.0020	0.00096	0.00051	<0.0040
6010B	Cadmium	0.00015	--	0.0098	0.017	0.0022	<0.0020	0.00058
6010B	Chromium	0.042	--	0.13	0.11	0.021	0.015	0.0034
6010B	Cobalt	0.024	--	0.10	0.035	0.0095	0.0032	0.0056
6010B	Copper	0.00158	--	2.4	9.0	3.9	0.47	0.016
6010B	Lead	0.00117	--	1.2	2.8	0.48	0.11	0.0078
6010B	Nickel	0.0289	--	0.27	0.20	0.077	0.027	0.0085
6010B	Selenium	0.005	--	0.0091	<0.010	<0.010	<0.010	<0.010
6010B	Silver	0.00012	--	0.0026	0.0025	<0.0050	<0.0050	<0.0050
6010B	*Tin*	0.18	--	0.13	0.14	0.014	0.0066	<0.020
6010B	Vanadium	0.012	--	0.16	0.055	0.020	0.011	0.0037
6010B	Zinc	0.0657	--	2.2	5.3	1.7	0.26	0.039
6020	Antimony	0.08	--	0.013	0.011	0.0035	0.0098	0.00065
6020	Thallium	0.01	--	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
7470A	Mercury	0.0000011	0.0017 (acute)	0.00037	**0.0019**	0.00028	0.00016	0.00021
6010B-Diss	Arsenic, Diss	0.148	0.34 (acute)	<0.010	<0.010	0.0039	0.041	<0.010
6010B-Diss	Barium, Diss	0.22	--	0.058	0.088	0.052	0.038	0.072
6010B-Diss	Beryllium, Diss	0.0036	--	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
6010B-Diss	Cadmium, Diss	0.00015	0.0060	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
6010B-Diss	Chromium, Diss	0.042	0.016 (acute; hexavalent)	<0.010	0.0017	0.0017	0.0019	<0.010
6010B-Diss	Cobalt, Diss	0.024	--	0.0048	0.0019	<0.0050	<0.0050	<0.0050
6010B-Diss	Copper, Diss	0.00158	0.018	**0.0038**	**0.065**	**0.014**	**0.018**	**0.0052**
6010B-Diss	Lead, Diss	0.00117	0.136	<0.0050	0.0035	<0.0050	**0.0022**	<0.0050
6010B-Diss	Nickel, Diss	0.0289	0.611	0.021	0.026	0.0033	0.020	0.0026
6010B-Diss	Selenium, Diss	0.005	0.005 (chronic)	<0.010	<0.010	<0.010	<0.010	<0.010
6010B-Diss	Silver, Diss	0.00012	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
6010B-Diss	*Tin, Diss*	0.18	--	<0.020	<0.020	<0.020	<0.020	<0.020
6010B-Diss	Vanadium, Diss	0.012	--	0.0024	<0.0050	0.0032	0.0040	0.0013
6010B-Diss	Zinc, Diss	0.0657	0.151	0.022	**0.099**	0.0038	0.018	0.011
6020-Diss	Antimony, Diss	0.08	--	0.0014	0.0054	0.0030	0.0092	<0.0020
6020-Diss	Thallium, Diss	0.01	--	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
7470A-Diss	Mercury, Diss	0.0000011	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
8260B	cis-1,2-Dichloroethene	0.97 (trans)	--	0.0013				

-- No standard available.

Bold indicates exceeds ESL; shading indicates exceeds Lake Michigan stanard.

	Calculated Acute Standard (ug/L)
Cadmium (ug/L), dissolved) = Exp[-3.6867 +1.128ln(H)] X {1.138672-[(lnH)(0.041838)]	6.01
Copper (ug/L, dissolve) = exp[-1.7 +0.9422ln(H)] X 0.960	18.1
Lead (ug/L, dissolved) = exp[-1.055 +1.273ln(H)] X {1.46203-[(lnH)(0.145712)]}	136.2
Nickel (ug/L, dissolved) = exp[2.255 +0.846ln(H)] X 0.998	611
Zinc (ug/L, dissolved) = exp[0.884 +0.843ln(H)] X 0.978	151

Hardness (mg/L)	137
ln(H)	4.92

Central Lake County Joint Action Water Authority
http://www.clcjawa.com/faq.html

Deigan & Associates, LLC
Environmental Consultants

Appendix G— Lake Shore Foundry Laboratory Report

DOCC Report Addendum
August 2008
Lake Shore Foundry
653 Market Street, Waukegan, Lake County, Illinois

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 500-12109-1

SDG Number: 500-12109-1

Job Description: Lake Shore Foundry, Waukegan

For:
Deigan & Associates
100 S. Genesee St.
Waukegan, IL 60085

Attention: Gary Deigan

Richard C Wright
Project Manager II
richard.wright@testamericainc.com
07/02/2008

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Chicago 2417 Bond Street, University Park, IL 60466
Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Comments
No additional comments.

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

GC/MS VOA
Method(s) 5035: 500-12109-D-26 has < 5 grams soil

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 41017 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The serial dilution performed for the following sample(s) 500-12109-3 was outside control limits: Zn

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 40832 sample 500-12109-3 were outside control limits for Cu, Pb, and Sb. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 6010B: The serial dilution performed for the following sample(s) 500-12109-11 was outside control limits: Cr,V-,and Zn

Method(s) 6010B: The matrix duplicate %RPD for sample 500-12109-11 was outside the control limits As,Ba,Co,Cr,Cu,Ni,Pb,Sn,V-, and Zn.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 40755 sample 500-12109-11 were outside control limits for As,Cr,Ni,and Sb. The MSD was also out for Ba,Co,Se,Sn,Tl, and V-. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 6010B: The ICSA for batch 41226 exceeded the acceptance limits for element: Cd. All associated samples are nondetects and are ok to report.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-12109-11 was outside the control limits for Cd.

Method(s) 6010B: The matrix spike duplicate (MSD) recovery for batch 40755 sample 500-12109-11 was outside control limits for Cd. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-12109-10 was outside the control limits for Cu, Pb, and Sn.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 41233 sample 500-12109-10 were outside control limits for Pb. The MS is also out for Cu, and the MSD is also out for As. The associated laboratory control standard (LCS) met acceptance criteria.

Method(s) 6010B: MB is high for Zn. Instrument failed for Cd,Co, and V- and samples 500-12109-8-10,13-20, and 24-29 will be redigested for Cd,Co,V- and Zn.

Method(s) 6010B: The serial dilution performed for the following sample(s) 500-12109-10 was outside control limits: Co and Zn

Method(s) 6010B: The matrix duplicate %RPD for sample 500-12109-10 was outside the control limits for Cd and Zn.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 41510 sample 500-12109-10 was outside control limits for Cd,Co, and V-. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-1	**LSF-SP-19-20 (0-6")**					
Antimony		1.1	J B	1.9	mg/Kg	6010B
Arsenic		6.1		0.97	mg/Kg	6010B
Barium		81		0.97	mg/Kg	6010B
Beryllium		1.8		0.39	mg/Kg	6010B
Cadmium		0.45		0.19	mg/Kg	6010B
Chromium		15	B	0.97	mg/Kg	6010B
Cobalt		6.7		0.49	mg/Kg	6010B
Copper		350		0.97	mg/Kg	6010B
Lead		130	B	0.49	mg/Kg	6010B
Nickel		22		0.97	mg/Kg	6010B
Silver		1.8		0.49	mg/Kg	6010B
Thallium		0.45	J	0.97	mg/Kg	6010B
Tin		30	B	1.9	mg/Kg	6010B
Vanadium		18		0.49	mg/Kg	6010B
Zinc		1100	B	1.9	mg/Kg	6010B
Mercury		0.16		0.018	mg/Kg	7471A
pH		8.41		0.200	SU	9045C
Percent Moisture		9.4		0.10	%	PercentMoisture
Percent Solids		91		0.10	%	PercentMoisture
500-12109-2	**LSF-SP-19-20 (6-24")**					
Arsenic		5.0		1.1	mg/Kg	6010B
Barium		75		1.1	mg/Kg	6010B
Beryllium		1.2		0.43	mg/Kg	6010B
Cadmium		0.33		0.22	mg/Kg	6010B
Chromium		12	B	1.1	mg/Kg	6010B
Cobalt		6.9		0.54	mg/Kg	6010B
Copper		260		1.1	mg/Kg	6010B
Lead		100	B	0.54	mg/Kg	6010B
Nickel		18		1.1	mg/Kg	6010B
Silver		1.8		0.54	mg/Kg	6010B
Thallium		1.3		1.1	mg/Kg	6010B
Tin		14	B	2.2	mg/Kg	6010B
Vanadium		17		0.54	mg/Kg	6010B
Zinc		500	B	2.2	mg/Kg	6010B
Mercury		0.15		0.019	mg/Kg	7471A
Percent Moisture		10		0.10	%	PercentMoisture
Percent Solids		90		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-3	**LSF-B-N-01**					
Arsenic		1.8		0.90	mg/Kg	6010B
Barium		5.5		0.90	mg/Kg	6010B
Beryllium		0.14	J	0.36	mg/Kg	6010B
Chromium		3.4	B	0.90	mg/Kg	6010B
Cobalt		1.6		0.45	mg/Kg	6010B
Copper		37		0.90	mg/Kg	6010B
Lead		17	B	0.45	mg/Kg	6010B
Nickel		4.1		0.90	mg/Kg	6010B
Thallium		0.44	J	0.90	mg/Kg	6010B
Tin		12	B	1.8	mg/Kg	6010B
Vanadium		4.5		0.45	mg/Kg	6010B
Zinc		190	B V	1.8	mg/Kg	6010B
pH		6.96		0.200	SU	9045C
Percent Moisture		1.8		0.10	%	PercentMoisture
Percent Solids		98		0.10	%	PercentMoisture
500-12109-4	**LSF-B-N-02**					
Antimony		0.79	J B	1.8	mg/Kg	6010B
Arsenic		4.8		0.90	mg/Kg	6010B
Barium		17		0.90	mg/Kg	6010B
Beryllium		0.52		0.36	mg/Kg	6010B
Chromium		8.3	B	0.90	mg/Kg	6010B
Cobalt		4.4		0.45	mg/Kg	6010B
Copper		150		0.90	mg/Kg	6010B
Lead		95	B	0.45	mg/Kg	6010B
Nickel		14		0.90	mg/Kg	6010B
Thallium		1.1		0.90	mg/Kg	6010B
Tin		56	B	1.8	mg/Kg	6010B
Vanadium		11		0.45	mg/Kg	6010B
Zinc		880	B	1.8	mg/Kg	6010B
Percent Moisture		2.7		0.10	%	PercentMoisture
Percent Solids		97		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-5	**LSF-B-N-03**					
Arsenic		2.9		0.94	mg/Kg	6010B
Barium		8.1		0.94	mg/Kg	6010B
Beryllium		0.15	J	0.37	mg/Kg	6010B
Chromium		5.4	B	0.94	mg/Kg	6010B
Cobalt		2.6		0.47	mg/Kg	6010B
Copper		39		0.94	mg/Kg	6010B
Lead		16	B	0.47	mg/Kg	6010B
Nickel		5.6		0.94	mg/Kg	6010B
Tin		8.5	B	1.9	mg/Kg	6010B
Vanadium		7.3		0.47	mg/Kg	6010B
Zinc		130	B	1.9	mg/Kg	6010B
Percent Moisture		4.1		0.10	%	PercentMoisture
Percent Solids		96		0.10	%	PercentMoisture
500-12109-6	**LSF-B-N-04**					
Arsenic		1.4		1.0	mg/Kg	6010B
Barium		3.7		1.0	mg/Kg	6010B
Beryllium		0.15	J	0.41	mg/Kg	6010B
Chromium		2.6	B	1.0	mg/Kg	6010B
Cobalt		1.4		0.51	mg/Kg	6010B
Copper		36		1.0	mg/Kg	6010B
Lead		15	B	0.51	mg/Kg	6010B
Nickel		4.9		1.0	mg/Kg	6010B
Tin		16	B	2.0	mg/Kg	6010B
Vanadium		3.6		0.51	mg/Kg	6010B
Zinc		130	B	2.0	mg/Kg	6010B
Percent Moisture		4.0		0.10	%	PercentMoisture
Percent Solids		96		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-7	**LSF-B-N-05**					
Arsenic		2.5		0.95	mg/Kg	6010B
Barium		9.1		0.95	mg/Kg	6010B
Beryllium		0.19	J	0.38	mg/Kg	6010B
Chromium		4.5	B	0.95	mg/Kg	6010B
Cobalt		2.2		0.48	mg/Kg	6010B
Copper		17		0.95	mg/Kg	6010B
Lead		12	B	0.48	mg/Kg	6010B
Nickel		4.5		0.95	mg/Kg	6010B
Thallium		0.60	J	0.95	mg/Kg	6010B
Tin		5.6	B	1.9	mg/Kg	6010B
Vanadium		6.6		0.48	mg/Kg	6010B
Zinc		120	B	1.9	mg/Kg	6010B
Percent Moisture		3.4		0.10	%	PercentMoisture
Percent Solids		97		0.10	%	PercentMoisture
500-12109-8	**LSF-N-01-SED**					
Benzo[a]pyrene		0.025	J	0.039	mg/Kg	8270C
Benzo[b]fluoranthene		0.022	J	0.039	mg/Kg	8270C
Benzo[g,h,i]perylene		0.022	J	0.039	mg/Kg	8270C
Benzo[k]fluoranthene		0.023	J	0.039	mg/Kg	8270C
Dibenz(a,h)anthracene		0.014	J	0.039	mg/Kg	8270C
Fluoranthene		0.016	J	0.039	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.018	J	0.039	mg/Kg	8270C
Phenanthrene		0.010	J	0.039	mg/Kg	8270C
Pyrene		0.015	J	0.039	mg/Kg	8270C
Arsenic		5.3		1.0	mg/Kg	6010B
Barium		7.5	B	1.0	mg/Kg	6010B
Beryllium		0.16	J	0.41	mg/Kg	6010B
Cadmium		0.19	J	0.20	mg/Kg	6010B
Chromium		6.0	B	1.0	mg/Kg	6010B
Cobalt		2.7		0.50	mg/Kg	6010B
Copper		6.7	B	1.0	mg/Kg	6010B
Lead		4.0		0.52	mg/Kg	6010B
Nickel		5.1	B	1.0	mg/Kg	6010B
Tin		0.66	J B	2.1	mg/Kg	6010B
Vanadium		9.0		0.50	mg/Kg	6010B
Zinc		22		2.0	mg/Kg	6010B
pH		7.28		0.200	SU	9045C
Percent Moisture		16		0.10	%	PercentMoisture
Percent Moisture		16		0.10	%	PercentMoisture
Percent Solids		84		0.10	%	PercentMoisture
Percent Solids		84		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-9	**LSF-N-SED-02**					
Arsenic		2.2		1.0	mg/Kg	6010B
Barium		6.1	B	1.0	mg/Kg	6010B
Beryllium		0.14	J	0.42	mg/Kg	6010B
Cadmium		0.18	J	0.23	mg/Kg	6010B
Chromium		3.7	B	1.0	mg/Kg	6010B
Cobalt		2.1		0.57	mg/Kg	6010B
Copper		5.2	B	1.0	mg/Kg	6010B
Lead		9.8		0.52	mg/Kg	6010B
Nickel		4.2	B	1.0	mg/Kg	6010B
Tin		9.0	B	2.1	mg/Kg	6010B
Vanadium		6.9		0.57	mg/Kg	6010B
Zinc		42		2.3	mg/Kg	6010B
Percent Moisture		18		0.10	%	PercentMoisture
Percent Solids		82		0.10	%	PercentMoisture
500-12109-10	**LSF-B-N-03 DUP**					
Antimony		0.93	J	1.8	mg/Kg	6010B
Arsenic		7.6		0.91	mg/Kg	6010B
Barium		6.5	B	0.91	mg/Kg	6010B
Beryllium		0.20	J	0.36	mg/Kg	6010B
Cadmium		1.0		0.17	mg/Kg	6010B
Chromium		6.9	B	0.91	mg/Kg	6010B
Cobalt		3.5	V	0.42	mg/Kg	6010B
Copper		35	B	0.91	mg/Kg	6010B
Lead		33		0.45	mg/Kg	6010B
Nickel		7.5	B	0.91	mg/Kg	6010B
Tin		5.1	B	1.8	mg/Kg	6010B
Vanadium		37		0.42	mg/Kg	6010B
Zinc		210	V	1.7	mg/Kg	6010B
Mercury		0.0094	J	0.017	mg/Kg	7471A
Percent Moisture		0.32		0.10	%	PercentMoisture
Percent Solids		100		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-11	**LSF-MW-01**					
cis-1,2-Dichloroethene		0.0013		0.0010	mg/L	8260B
Antimony		0.016	J	0.020	mg/L	6010B
Arsenic		0.17		0.010	mg/L	6010B
Barium		0.59	B	0.010	mg/L	6010B
Beryllium		0.0035	J	0.0040	mg/L	6010B
Cadmium		0.0098		0.0020	mg/L	6010B
Chromium		0.13	V	0.010	mg/L	6010B
Cobalt		0.10		0.0050	mg/L	6010B
Copper		2.4		0.010	mg/L	6010B
Lead		1.2	B	0.0050	mg/L	6010B
Nickel		0.27		0.010	mg/L	6010B
Selenium		0.0091	J	0.010	mg/L	6010B
Silver		0.0026	J	0.0050	mg/L	6010B
Thallium		0.0069	J	0.010	mg/L	6010B
Tin		0.13		0.020	mg/L	6010B
Vanadium		0.16	V	0.0050	mg/L	6010B
Zinc		2.2	B V	0.020	mg/L	6010B
Mercury		0.00037		0.00020	mg/L	7470A
pH		7.56	HF	0.200	SU	9040B
Dissolved						
Barium		0.058	B	0.010	mg/L	6010B
Cobalt		0.0048	J	0.0050	mg/L	6010B
Copper		0.0038	J	0.010	mg/L	6010B
Nickel		0.021		0.010	mg/L	6010B
Vanadium		0.0024	J	0.0050	mg/L	6010B
Zinc		0.022	B	0.020	mg/L	6010B
Antimony		0.0014	J	0.0020	mg/L	6020
Total Recoverable						
Antimony		0.013		0.010	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-12	**LSF-MW-02**					
Antimony		0.012	J	0.020	mg/L	6010B
Arsenic		0.025		0.010	mg/L	6010B
Barium		0.47	B	0.010	mg/L	6010B
Beryllium		0.0020	J	0.0040	mg/L	6010B
Cadmium		0.017		0.0020	mg/L	6010B
Chromium		0.11		0.010	mg/L	6010B
Cobalt		0.035		0.0050	mg/L	6010B
Copper		9.0		0.010	mg/L	6010B
Lead		2.8	B	0.0050	mg/L	6010B
Nickel		0.20		0.010	mg/L	6010B
Silver		0.0025	J	0.0050	mg/L	6010B
Tin		0.14		0.020	mg/L	6010B
Vanadium		0.055		0.0050	mg/L	6010B
Zinc		5.3	B	0.020	mg/L	6010B
Mercury		0.0019		0.00020	mg/L	7470A
pH		7.68	HF	0.200	SU	9040B
Dissolved						
Barium		0.088	B	0.010	mg/L	6010B
Chromium		0.0017	J	0.010	mg/L	6010B
Cobalt		0.0019	J	0.0050	mg/L	6010B
Copper		0.065		0.010	mg/L	6010B
Lead		0.0035	J B	0.0050	mg/L	6010B
Nickel		0.026		0.010	mg/L	6010B
Zinc		0.099	B	0.020	mg/L	6010B
Antimony		0.0054		0.0020	mg/L	6020
Total Recoverable						
Antimony		0.011		0.010	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-13	**LSF-SB-01**					
Antimony		0.28	J	1.8	mg/Kg	6010B
Arsenic		2.5		0.90	mg/Kg	6010B
Barium		6.8	B	0.90	mg/Kg	6010B
Beryllium		0.14	J	0.36	mg/Kg	6010B
Cadmium		0.33		0.18	mg/Kg	6010B
Chromium		4.4	B	0.90	mg/Kg	6010B
Cobalt		2.1		0.46	mg/Kg	6010B
Copper		28	B	0.90	mg/Kg	6010B
Lead		11		0.45	mg/Kg	6010B
Nickel		3.7	B	0.90	mg/Kg	6010B
Tin		1.9	B	1.8	mg/Kg	6010B
Vanadium		19		0.46	mg/Kg	6010B
Zinc		57		1.8	mg/Kg	6010B
Percent Moisture		0.64		0.10	%	PercentMoisture
Percent Solids		99		0.10	%	PercentMoisture
500-12109-14	**LSF-SB-02**					
Arsenic		1.0		1.0	mg/Kg	6010B
Barium		3.1	B	1.0	mg/Kg	6010B
Beryllium		0.076	J	0.41	mg/Kg	6010B
Cadmium		0.069	J	0.19	mg/Kg	6010B
Chromium		3.1	B	1.0	mg/Kg	6010B
Cobalt		1.2		0.47	mg/Kg	6010B
Copper		2.8	B	1.0	mg/Kg	6010B
Lead		2.7		0.51	mg/Kg	6010B
Nickel		1.9	B	1.0	mg/Kg	6010B
Tin		0.96	J B	2.0	mg/Kg	6010B
Vanadium		4.7		0.47	mg/Kg	6010B
Zinc		11		1.9	mg/Kg	6010B
pH		7.02		0.200	SU	9045C
Percent Moisture		4.9		0.10	%	PercentMoisture
Percent Solids		95		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-15	**LSF-SB-03**					
Antimony		0.69	J	1.9	mg/Kg	6010B
Arsenic		8.1		0.96	mg/Kg	6010B
Barium		7.8	B	0.96	mg/Kg	6010B
Beryllium		0.24	J	0.39	mg/Kg	6010B
Cadmium		0.84		0.18	mg/Kg	6010B
Chromium		11	B	0.96	mg/Kg	6010B
Cobalt		4.0		0.46	mg/Kg	6010B
Copper		400	B	0.96	mg/Kg	6010B
Lead		66		0.48	mg/Kg	6010B
Nickel		11	B	0.96	mg/Kg	6010B
Selenium		0.52	J	0.96	mg/Kg	6010B
Silver		2.4		0.48	mg/Kg	6010B
Tin		7.1	B	1.9	mg/Kg	6010B
Vanadium		53		0.46	mg/Kg	6010B
Zinc		280		1.8	mg/Kg	6010B
Mercury		0.0097	J	0.017	mg/Kg	7471A
Percent Moisture		0.28		0.10	%	PercentMoisture
Percent Solids		100		0.10	%	PercentMoisture
500-12109-16	**LSF-SB-04**					
Antimony		0.30	J	2.0	mg/Kg	6010B
Arsenic		2.1		0.98	mg/Kg	6010B
Barium		3.6	B	0.98	mg/Kg	6010B
Beryllium		0.11	J	0.39	mg/Kg	6010B
Cadmium		0.068	J	0.20	mg/Kg	6010B
Chromium		3.5	B	0.98	mg/Kg	6010B
Cobalt		1.4		0.49	mg/Kg	6010B
Copper		13	B	0.98	mg/Kg	6010B
Lead		5.8		0.49	mg/Kg	6010B
Nickel		3.1	B	0.98	mg/Kg	6010B
Tin		1.6	J B	2.0	mg/Kg	6010B
Vanadium		8.6		0.49	mg/Kg	6010B
Zinc		22		2.0	mg/Kg	6010B
Percent Moisture		3.5		0.10	%	PercentMoisture
Percent Solids		97		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-17	**LSF-SB-05**					
Arsenic		1.7		0.92	mg/Kg	6010B
Barium		3.0	B	0.92	mg/Kg	6010B
Beryllium		0.089	J	0.37	mg/Kg	6010B
Cadmium		0.098	J	0.19	mg/Kg	6010B
Chromium		3.0	B	0.92	mg/Kg	6010B
Cobalt		1.5		0.47	mg/Kg	6010B
Copper		4.1	B	0.92	mg/Kg	6010B
Lead		3.7		0.46	mg/Kg	6010B
Nickel		2.5	B	0.92	mg/Kg	6010B
Tin		1.0	J B	1.8	mg/Kg	6010B
Vanadium		9.3		0.47	mg/Kg	6010B
Zinc		25		1.9	mg/Kg	6010B
Percent Moisture		4.4		0.10	%	PercentMoisture
Percent Solids		96		0.10	%	PercentMoisture
500-12109-18	**LSF-SB-05 DUP**					
Antimony		0.36	J	1.8	mg/Kg	6010B
Arsenic		1.8		0.92	mg/Kg	6010B
Barium		6.6	B	0.92	mg/Kg	6010B
Beryllium		0.38		0.37	mg/Kg	6010B
Cadmium		0.065	J	0.20	mg/Kg	6010B
Chromium		5.1	B	0.92	mg/Kg	6010B
Cobalt		1.8		0.50	mg/Kg	6010B
Copper		45	B	0.92	mg/Kg	6010B
Lead		30		0.46	mg/Kg	6010B
Nickel		5.8	B	0.92	mg/Kg	6010B
Tin		16	B	1.8	mg/Kg	6010B
Vanadium		4.9		0.50	mg/Kg	6010B
Zinc		60		2.0	mg/Kg	6010B
Percent Moisture		5.7		0.10	%	PercentMoisture
Percent Solids		94		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-19	**LSF-SED-S-01**					
Antimony		0.45	J	2.3	mg/Kg	6010B
Arsenic		3.1		1.2	mg/Kg	6010B
Barium		12	B	1.2	mg/Kg	6010B
Beryllium		0.36	J	0.46	mg/Kg	6010B
Cadmium		0.28		0.22	mg/Kg	6010B
Chromium		6.7	B	1.2	mg/Kg	6010B
Cobalt		3.2		0.54	mg/Kg	6010B
Copper		130	B	1.2	mg/Kg	6010B
Lead		28		0.58	mg/Kg	6010B
Nickel		8.1	B	1.2	mg/Kg	6010B
Tin		15	B	2.3	mg/Kg	6010B
Vanadium		7.7		0.54	mg/Kg	6010B
Zinc		360		2.2	mg/Kg	6010B
pH		7.22		0.200	SU	9045C
Percent Moisture		19		0.10	%	PercentMoisture
Percent Solids		81		0.10	%	PercentMoisture
500-12109-20	**LSF-SED-S-02**					
Arsenic		3.3		1.2	mg/Kg	6010B
Barium		10	B	1.2	mg/Kg	6010B
Beryllium		0.33	J	0.48	mg/Kg	6010B
Cadmium		0.13	J	0.25	mg/Kg	6010B
Chromium		7.3	B	1.2	mg/Kg	6010B
Cobalt		2.3		0.63	mg/Kg	6010B
Copper		60	B	1.2	mg/Kg	6010B
Lead		30		0.60	mg/Kg	6010B
Nickel		9.6	B	1.2	mg/Kg	6010B
Tin		17	B	2.4	mg/Kg	6010B
Vanadium		7.4		0.63	mg/Kg	6010B
Zinc		220		2.5	mg/Kg	6010B
Percent Moisture		22		0.10	%	PercentMoisture
Percent Solids		78		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-21	**LSF-MW-03**					
Antimony		0.0042	J	0.020	mg/L	6010B
Arsenic		0.012		0.010	mg/L	6010B
Barium		0.22	B	0.010	mg/L	6010B
Beryllium		0.00096	J	0.0040	mg/L	6010B
Cadmium		0.0022		0.0020	mg/L	6010B
Chromium		0.021		0.010	mg/L	6010B
Cobalt		0.0095		0.0050	mg/L	6010B
Copper		3.9		0.010	mg/L	6010B
Lead		0.48	B	0.0050	mg/L	6010B
Nickel		0.077		0.010	mg/L	6010B
Tin		0.014	J	0.020	mg/L	6010B
Vanadium		0.020		0.0050	mg/L	6010B
Zinc		1.7	B	0.020	mg/L	6010B
Mercury		0.00028		0.00020	mg/L	7470A
pH		9.01	HF	0.200	SU	9040B
Dissolved						
Arsenic		0.0039	J	0.010	mg/L	6010B
Barium		0.052	B	0.010	mg/L	6010B
Chromium		0.0017	J	0.010	mg/L	6010B
Copper		0.014		0.010	mg/L	6010B
Nickel		0.0033	J	0.010	mg/L	6010B
Vanadium		0.0032	J	0.0050	mg/L	6010B
Zinc		0.0038	J B	0.020	mg/L	6010B
Antimony		0.0030		0.0020	mg/L	6020
Total Recoverable						
Antimony		0.0035		0.0020	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-22	**EXIST. SOUTH BKG. MW**					
Barium		0.21	B	0.010	mg/L	6010B
Cadmium		0.00058	J ^	0.0020	mg/L	6010B
Chromium		0.0034	J	0.010	mg/L	6010B
Cobalt		0.0056		0.0050	mg/L	6010B
Copper		0.016		0.010	mg/L	6010B
Lead		0.0078	B	0.0050	mg/L	6010B
Nickel		0.0085	J	0.010	mg/L	6010B
Vanadium		0.0037	J	0.0050	mg/L	6010B
Zinc		0.039	B	0.020	mg/L	6010B
Mercury		0.00021		0.00020	mg/L	7470A
pH		7.30	HF	0.200	SU	9040B
Dissolved						
Barium		0.072	B	0.010	mg/L	6010B
Copper		0.0052	J	0.010	mg/L	6010B
Nickel		0.0026	J	0.010	mg/L	6010B
Vanadium		0.0013	J	0.0050	mg/L	6010B
Zinc		0.011	J B	0.020	mg/L	6010B
Total Recoverable						
Antimony		0.00065	J	0.0020	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-23	**LSF-MW-04**					
Antimony		0.0084	J	0.020	mg/L	6010B
Arsenic		0.049		0.010	mg/L	6010B
Barium		0.10	B	0.010	mg/L	6010B
Beryllium		0.00051	J	0.0040	mg/L	6010B
Chromium		0.015		0.010	mg/L	6010B
Cobalt		0.0032	J	0.0050	mg/L	6010B
Copper		0.47		0.010	mg/L	6010B
Lead		0.11	B	0.0050	mg/L	6010B
Nickel		0.027		0.010	mg/L	6010B
Tin		0.0066	J	0.020	mg/L	6010B
Vanadium		0.011		0.0050	mg/L	6010B
Zinc		0.26	B	0.020	mg/L	6010B
Mercury		0.00016	J	0.00020	mg/L	7470A
pH		8.23	HF	0.200	SU	9040B
Dissolved						
Arsenic		0.041		0.010	mg/L	6010B
Barium		0.038	B	0.010	mg/L	6010B
Chromium		0.0019	J	0.010	mg/L	6010B
Copper		0.018		0.010	mg/L	6010B
Lead		0.0022	J B	0.0050	mg/L	6010B
Nickel		0.020		0.010	mg/L	6010B
Vanadium		0.0040	J	0.0050	mg/L	6010B
Zinc		0.018	J B	0.020	mg/L	6010B
Antimony		0.0092		0.0020	mg/L	6020
Total Recoverable						
Antimony		0.0098	J	0.010	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-24	**SP-22, 0-6"**					
Arsenic		6.1		1.1	mg/Kg	6010B
Barium		52	B	1.1	mg/Kg	6010B
Beryllium		0.58		0.45	mg/Kg	6010B
Cadmium		0.65		0.22	mg/Kg	6010B
Chromium		18	B	1.1	mg/Kg	6010B
Cobalt		9.6		0.56	mg/Kg	6010B
Copper		380	B	1.1	mg/Kg	6010B
Lead		100		0.56	mg/Kg	6010B
Nickel		24	B	1.1	mg/Kg	6010B
Silver		0.14	J	0.56	mg/Kg	6010B
Tin		12	B	2.2	mg/Kg	6010B
Vanadium		21		0.56	mg/Kg	6010B
Zinc		240		2.2	mg/Kg	6010B
Mercury		0.0097	J	0.019	mg/Kg	7471A
pH		8.21		0.200	SU	9045C
Percent Moisture		13		0.10	%	PercentMoisture
Percent Solids		87		0.10	%	PercentMoisture
500-12109-25	**SP-22, 6"-2'**					
Arsenic		6.2		1.0	mg/Kg	6010B
Barium		49	B	1.0	mg/Kg	6010B
Beryllium		0.62		0.41	mg/Kg	6010B
Cadmium		0.50		0.22	mg/Kg	6010B
Chromium		19	B	1.0	mg/Kg	6010B
Cobalt		12		0.55	mg/Kg	6010B
Copper		330	B	1.0	mg/Kg	6010B
Lead		51		0.52	mg/Kg	6010B
Nickel		25	B	1.0	mg/Kg	6010B
Silver		0.17	J	0.52	mg/Kg	6010B
Tin		6.9	B	2.1	mg/Kg	6010B
Vanadium		26		0.55	mg/Kg	6010B
Zinc		100		2.2	mg/Kg	6010B
Mercury		0.027		0.020	mg/Kg	7471A
pH		8.63		0.200	SU	9045C
Percent Moisture		15		0.10	%	PercentMoisture
Percent Solids		85		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-26	**SP-23, 0-6"**					
Anthracene		0.014	J	0.038	mg/Kg	8270C
Benzo[a]anthracene		0.067		0.038	mg/Kg	8270C
Benzo[a]pyrene		0.075		0.038	mg/Kg	8270C
Benzo[b]fluoranthene		0.090		0.038	mg/Kg	8270C
Benzo[g,h,i]perylene		0.056		0.038	mg/Kg	8270C
Benzo[k]fluoranthene		0.045		0.038	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.45		0.19	mg/Kg	8270C
Chrysene		0.078		0.038	mg/Kg	8270C
Dibenz(a,h)anthracene		0.018	J	0.038	mg/Kg	8270C
Fluoranthene		0.15		0.038	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.047		0.038	mg/Kg	8270C
Phenanthrene		0.062		0.038	mg/Kg	8270C
Pyrene		0.12		0.038	mg/Kg	8270C
Antimony		0.58	J	2.2	mg/Kg	6010B
Arsenic		6.3		1.1	mg/Kg	6010B
Barium		62	B	1.1	mg/Kg	6010B
Beryllium		0.81		0.44	mg/Kg	6010B
Cadmium		1.9		0.20	mg/Kg	6010B
Chromium		25	B	1.1	mg/Kg	6010B
Cobalt		5.5		0.51	mg/Kg	6010B
Copper		1100	B	1.1	mg/Kg	6010B
Lead		190		0.55	mg/Kg	6010B
Nickel		31	B	1.1	mg/Kg	6010B
Silver		0.37	J	0.55	mg/Kg	6010B
Tin		39	B	2.2	mg/Kg	6010B
Vanadium		16		0.51	mg/Kg	6010B
Zinc		890		2.0	mg/Kg	6010B
Mercury		0.025		0.019	mg/Kg	7471A
Percent Moisture		13		0.10	%	PercentMoisture
Percent Moisture		13		0.10	%	PercentMoisture
Percent Solids		87		0.10	%	PercentMoisture
Percent Solids		87		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-27	**SP-23, 6"-2**					
Acenaphthene		0.023	J	0.037	mg/Kg	8270C
Acenaphthylene		0.013	J	0.037	mg/Kg	8270C
Anthracene		0.098		0.037	mg/Kg	8270C
Benzo[a]anthracene		0.44		0.037	mg/Kg	8270C
Benzo[a]pyrene		0.45		0.037	mg/Kg	8270C
Benzo[b]fluoranthene		0.50		0.037	mg/Kg	8270C
Benzo[g,h,i]perylene		0.29		0.037	mg/Kg	8270C
Benzo[k]fluoranthene		0.21		0.037	mg/Kg	8270C
Bis(2-ethylhexyl) phthalate		0.32		0.18	mg/Kg	8270C
Butyl benzyl phthalate		0.017	J	0.18	mg/Kg	8270C
Carbazole		0.040	J	0.18	mg/Kg	8270C
Chrysene		0.54		0.037	mg/Kg	8270C
Dibenz(a,h)anthracene		0.097		0.037	mg/Kg	8270C
Dibenzofuran		0.025	J	0.18	mg/Kg	8270C
Fluoranthene		0.79		0.037	mg/Kg	8270C
Fluorene		0.030	J	0.037	mg/Kg	8270C
Hexachlorobenzene		0.0081	J	0.074	mg/Kg	8270C
Indeno[1,2,3-cd]pyrene		0.28		0.037	mg/Kg	8270C
2-Methylnaphthalene		0.026	J	0.18	mg/Kg	8270C
Naphthalene		0.022	J	0.037	mg/Kg	8270C
Phenanthrene		0.48		0.037	mg/Kg	8270C
Pyrene		0.86		0.037	mg/Kg	8270C
Antimony		0.71	J	2.0	mg/Kg	6010B
Arsenic		5.0		1.0	mg/Kg	6010B
Barium		50	B	1.0	mg/Kg	6010B
Beryllium		0.74		0.40	mg/Kg	6010B
Cadmium		1.4		0.21	mg/Kg	6010B
Chromium		18	B	1.0	mg/Kg	6010B
Cobalt		10		0.53	mg/Kg	6010B
Copper		1000	B	1.0	mg/Kg	6010B
Lead		200		0.51	mg/Kg	6010B
Nickel		26	B	1.0	mg/Kg	6010B
Silver		0.37	J	0.51	mg/Kg	6010B
Tin		31	B	2.0	mg/Kg	6010B
Vanadium		21		0.53	mg/Kg	6010B
Zinc		690		2.1	mg/Kg	6010B
Mercury		0.034		0.019	mg/Kg	7471A
Percent Moisture		11		0.10	%	PercentMoisture
Percent Solids		89		0.10	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
500-12109-28	**SP-19-16,0-6"**					
Antimony		0.74	J	2.1	mg/Kg	6010B
Arsenic		4.1		1.1	mg/Kg	6010B
Barium		66	B	1.1	mg/Kg	6010B
Beryllium		0.91		0.42	mg/Kg	6010B
Cadmium		1.5		0.21	mg/Kg	6010B
Chromium		9.9	B	1.1	mg/Kg	6010B
Cobalt		4.0		0.53	mg/Kg	6010B
Copper		600	B	1.1	mg/Kg	6010B
Lead		250		0.53	mg/Kg	6010B
Nickel		15	B	1.1	mg/Kg	6010B
Silver		0.29	J	0.53	mg/Kg	6010B
Tin		37	B	2.1	mg/Kg	6010B
Vanadium		9.4		0.53	mg/Kg	6010B
Zinc		1400		2.1	mg/Kg	6010B
Mercury		0.040		0.018	mg/Kg	7471A
Percent Moisture		7.3		0.10	%	PercentMoisture
Percent Solids		93		0.10	%	PercentMoisture
500-12109-29	**SP-19-16,6"-2'**					
Antimony		0.40	J	2.0	mg/Kg	6010B
Arsenic		3.1		1.0	mg/Kg	6010B
Barium		59	B	1.0	mg/Kg	6010B
Beryllium		0.99		0.40	mg/Kg	6010B
Cadmium		0.75		0.19	mg/Kg	6010B
Chromium		8.4	B	1.0	mg/Kg	6010B
Cobalt		3.5		0.47	mg/Kg	6010B
Copper		160	B	1.0	mg/Kg	6010B
Lead		98		0.50	mg/Kg	6010B
Nickel		13	B	1.0	mg/Kg	6010B
Silver		0.13	J	0.50	mg/Kg	6010B
Tin		36	B	2.0	mg/Kg	6010B
Vanadium		10		0.47	mg/Kg	6010B
Zinc		530		1.9	mg/Kg	6010B
Mercury		0.028		0.018	mg/Kg	7471A
Percent Moisture		7.9		0.10	%	PercentMoisture
Percent Solids		92		0.10	%	PercentMoisture

METHOD SUMMARY

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL CHI	SW846 8260B	
Closed System Purge & Trap/Field Preservation	TAL CHI		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CHI	SW846 8270C	
Automated Soxhlet Extraction	TAL CHI		SW846 3541
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL CHI	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL CHI		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL CHI	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	TAL CHI		SW846 7471A
Soil and Waste pH	TAL CHI	SW846 9045C	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL CHI	SW846 8260B	
Purge-and-Trap	TAL CHI		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CHI	SW846 8270C	
Separatory Funnel Liquid-Liquid Extraction	TAL CHI		SW846 3510C
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL CHI	SW846 6010B	
Sample Filtration	TAL CHI		FILTRATION
Acid Digestion of Aqueous Samples and Extracts for	TAL CHI		SW846 3010A
Inductively Coupled Plasma - Mass Spectrometry	TAL CHI	SW846 6020	
Sample Filtration	TAL CHI		FILTRATION
Acid Digestion of Waters for Total Recoverable or	TAL CHI		SW846 3005A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	TAL CHI	SW846 7470A	
Sample Filtration	TAL CHI		FILTRATION
Mercury in Liquid Waste (Manual Cold Vapor	TAL CHI		SW846 7470A
pH Electrometric Measurement	TAL CHI	SW846 9040B	

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

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

SAMPLE SUMMARY

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-12109-1	LSF-SP-19-20 (0-6")	Solid	06/18/2008 0900	06/19/2008 1500
500-12109-2	LSF-SP-19-20 (6-24")	Solid	06/18/2008 0900	06/19/2008 1500
500-12109-3	LSF-B-N-01	Solid	06/18/2008 0930	06/19/2008 1500
500-12109-4	LSF-B-N-02	Solid	06/18/2008 0930	06/19/2008 1500
500-12109-5	LSF-B-N-03	Solid	06/18/2008 0920	06/19/2008 1500
500-12109-6	LSF-B-N-04	Solid	06/18/2008 0920	06/19/2008 1500
500-12109-7	LSF-B-N-05	Solid	06/18/2008 0920	06/19/2008 1500
500-12109-8	LSF-N-01-SED	Solid	06/18/2008 0952	06/19/2008 1500
500-12109-9	LSF-N-SED-02	Solid	06/18/2008 1002	06/19/2008 1500
500-12109-10	LSF-B-N-03 DUP	Solid	06/18/2008 0920	06/19/2008 1500
500-12109-11	LSF-MW-01	Water	06/18/2008 0915	06/19/2008 1500
500-12109-12	LSF-MW-02	Water	06/18/2008 1030	06/19/2008 1500
500-12109-13	LSF-SB-01	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-14	LSF-SB-02	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-15	LSF-SB-03	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-16	LSF-SB-04	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-17	LSF-SB-05	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-18	LSF-SB-05 DUP	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-19	LSF-SED-S-01	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-20	LSF-SED-S-02	Solid	06/18/2008 1020	06/19/2008 1500
500-12109-21	LSF-MW-03	Water	06/18/2008 1245	06/19/2008 1500
500-12109-22	EXIST. SOUTH BKG. MW	Water	06/18/2008 1100	06/19/2008 1500
500-12109-23	LSF-MW-04	Water	06/18/2008 1550	06/19/2008 1500
500-12109-24	SP-22, 0-6"	Solid	06/18/2008 1430	06/19/2008 1500
500-12109-25	SP-22, 6"-2'	Solid	06/18/2008 1430	06/19/2008 1500
500-12109-26	SP-23, 0-6"	Solid	06/18/2008 1445	06/19/2008 1500
500-12109-27	SP-23, 6"-2	Solid	06/18/2008 1445	06/19/2008 1500
500-12109-28	SP-19-16,0-6"	Solid	06/18/2008 1520	06/19/2008 1500
500-12109-29	SP-19-16,6"-2'	Solid	06/18/2008 1520	06/19/2008 1500
500-12109-30	TRIP BLANK	Water	06/18/2008 1200	06/19/2008 1500

SAMPLE RESULTS

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SP-19-20 (0-6")
Lab Sample ID: 500-12109-1

Date Sampled: 06/18/2008 0900
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 91

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1144		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<0.97		mg/Kg	0.37	0.97	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0013		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	1.1	J B	mg/Kg	0.28	1.9	1.0
Arsenic	6.1		mg/Kg	0.28	0.97	1.0
Barium	81		mg/Kg	0.031	0.97	1.0
Beryllium	1.8		mg/Kg	0.0097	0.39	1.0
Cadmium	0.45		mg/Kg	0.032	0.19	1.0
Chromium	15	B	mg/Kg	0.085	0.97	1.0
Cobalt	6.7		mg/Kg	0.071	0.49	1.0
Copper	350		mg/Kg	0.44	0.97	1.0
Lead	130	B	mg/Kg	0.11	0.49	1.0
Nickel	22		mg/Kg	0.060	0.97	1.0
Silver	1.8		mg/Kg	0.097	0.49	1.0
Thallium	0.45	J	mg/Kg	0.32	0.97	1.0
Tin	30	B	mg/Kg	0.33	1.9	1.0
Vanadium	18		mg/Kg	0.083	0.49	1.0
Zinc	1100	B	mg/Kg	0.18	1.9	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1530		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.16		mg/Kg	0.0074	0.018	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1146		
pH	8.41		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	9.4		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SP-19-20 (6-24")
Lab Sample ID: 500-12109-2

Date Sampled: 06/18/2008 0900
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1150		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<1.1		mg/Kg	0.41	1.1	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0020		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	<2.2		mg/Kg	0.31	2.2	1.0
Arsenic	5.0		mg/Kg	0.31	1.1	1.0
Barium	75		mg/Kg	0.035	1.1	1.0
Beryllium	1.2		mg/Kg	0.011	0.43	1.0
Cadmium	0.33		mg/Kg	0.036	0.22	1.0
Chromium	12	B	mg/Kg	0.094	1.1	1.0
Cobalt	6.9		mg/Kg	0.079	0.54	1.0
Copper	260		mg/Kg	0.49	1.1	1.0
Lead	100	B	mg/Kg	0.12	0.54	1.0
Nickel	18		mg/Kg	0.067	1.1	1.0
Silver	1.8		mg/Kg	0.11	0.54	1.0
Thallium	1.3		mg/Kg	0.36	1.1	1.0
Tin	14	B	mg/Kg	0.37	2.2	1.0
Vanadium	17		mg/Kg	0.092	0.54	1.0
Zinc	500	B	mg/Kg	0.19	2.2	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1532		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.15		mg/Kg	0.0075	0.019	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	10		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-B-N-01
Lab Sample ID: 500-12109-3

Date Sampled: 06/18/2008 0930
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 98

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1157		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<0.90		mg/Kg	0.34	0.90	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0027		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	<1.8		mg/Kg	0.26	1.8	1.0
Arsenic	1.8		mg/Kg	0.26	0.90	1.0
Barium	5.5		mg/Kg	0.029	0.90	1.0
Beryllium	0.14	J	mg/Kg	0.0090	0.36	1.0
Cadmium	<0.18		mg/Kg	0.030	0.18	1.0
Chromium	3.4	B	mg/Kg	0.078	0.90	1.0
Cobalt	1.6		mg/Kg	0.066	0.45	1.0
Copper	37		mg/Kg	0.40	0.90	1.0
Lead	17	B	mg/Kg	0.099	0.45	1.0
Nickel	4.1		mg/Kg	0.056	0.90	1.0
Silver	<0.45		mg/Kg	0.090	0.45	1.0
Thallium	0.44	J	mg/Kg	0.30	0.90	1.0
Tin	12	B	mg/Kg	0.31	1.8	1.0
Vanadium	4.5		mg/Kg	0.076	0.45	1.0
Zinc	190	B V	mg/Kg	0.16	1.8	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1534		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0068	0.017	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1147		
pH	6.96		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	1.8		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-B-N-02
Lab Sample ID: 500-12109-4

Date Sampled: 06/18/2008 0930
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 97

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1228		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<0.90		mg/Kg	0.34	0.90	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0128		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	0.79	J B	mg/Kg	0.26	1.8	1.0
Arsenic	4.8		mg/Kg	0.26	0.90	1.0
Barium	17		mg/Kg	0.029	0.90	1.0
Beryllium	0.52		mg/Kg	0.0090	0.36	1.0
Cadmium	<0.18		mg/Kg	0.030	0.18	1.0
Chromium	8.3	B	mg/Kg	0.079	0.90	1.0
Cobalt	4.4		mg/Kg	0.066	0.45	1.0
Copper	150		mg/Kg	0.41	0.90	1.0
Lead	95	B	mg/Kg	0.099	0.45	1.0
Nickel	14		mg/Kg	0.056	0.90	1.0
Silver	<0.45		mg/Kg	0.090	0.45	1.0
Thallium	1.1		mg/Kg	0.30	0.90	1.0
Tin	56	B	mg/Kg	0.31	1.8	1.0
Vanadium	11		mg/Kg	0.077	0.45	1.0
Zinc	880	B	mg/Kg	0.16	1.8	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1536		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0069	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	2.7		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-B-N-03
Lab Sample ID: 500-12109-5

Date Sampled: 06/18/2008 0920
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 96

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1234		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<0.94		mg/Kg	0.36	0.94	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0135		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	<1.9		mg/Kg	0.27	1.9	1.0
Arsenic	2.9		mg/Kg	0.27	0.94	1.0
Barium	8.1		mg/Kg	0.030	0.94	1.0
Beryllium	0.15	J	mg/Kg	0.0094	0.37	1.0
Cadmium	<0.19		mg/Kg	0.031	0.19	1.0
Chromium	5.4	B	mg/Kg	0.082	0.94	1.0
Cobalt	2.6		mg/Kg	0.068	0.47	1.0
Copper	39		mg/Kg	0.42	0.94	1.0
Lead	16	B	mg/Kg	0.10	0.47	1.0
Nickel	5.6		mg/Kg	0.058	0.94	1.0
Silver	<0.47		mg/Kg	0.094	0.47	1.0
Thallium	<0.94		mg/Kg	0.31	0.94	1.0
Tin	8.5	B	mg/Kg	0.32	1.9	1.0
Vanadium	7.3		mg/Kg	0.080	0.47	1.0
Zinc	130	B	mg/Kg	0.17	1.9	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1539		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0070	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	4.1		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-B-N-04
Lab Sample ID: 500-12109-6

Date Sampled: 06/18/2008 0920
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 96

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1257		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<1.0		mg/Kg	0.39	1.0	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0142		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	<2.0		mg/Kg	0.30	2.0	1.0
Arsenic	1.4		mg/Kg	0.30	1.0	1.0
Barium	3.7		mg/Kg	0.033	1.0	1.0
Beryllium	0.15	J	mg/Kg	0.010	0.41	1.0
Cadmium	<0.20		mg/Kg	0.034	0.20	1.0
Chromium	2.6	B	mg/Kg	0.089	1.0	1.0
Cobalt	1.4		mg/Kg	0.074	0.51	1.0
Copper	36		mg/Kg	0.46	1.0	1.0
Lead	15	B	mg/Kg	0.11	0.51	1.0
Nickel	4.9		mg/Kg	0.063	1.0	1.0
Silver	<0.51		mg/Kg	0.10	0.51	1.0
Thallium	<1.0		mg/Kg	0.34	1.0	1.0
Tin	16	B	mg/Kg	0.35	2.0	1.0
Vanadium	3.6		mg/Kg	0.086	0.51	1.0
Zinc	130	B	mg/Kg	0.18	2.0	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1552		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0070	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	4.0		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-B-N-05
Lab Sample ID: 500-12109-7

Date Sampled: 06/18/2008 0920
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 97

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/24/2008 1303		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Selenium	<0.95		mg/Kg	0.36	0.95	1.0
Method: 6010B			Date Analyzed:	06/25/2008 0149		
Prep Method: 3050B			Date Prepared:	06/23/2008 0837		
Antimony	<1.9		mg/Kg	0.28	1.9	1.0
Arsenic	2.5		mg/Kg	0.28	0.95	1.0
Barium	9.1		mg/Kg	0.030	0.95	1.0
Beryllium	0.19	J	mg/Kg	0.0095	0.38	1.0
Cadmium	<0.19		mg/Kg	0.031	0.19	1.0
Chromium	4.5	B	mg/Kg	0.083	0.95	1.0
Cobalt	2.2		mg/Kg	0.069	0.48	1.0
Copper	17		mg/Kg	0.43	0.95	1.0
Lead	12	B	mg/Kg	0.10	0.48	1.0
Nickel	4.5		mg/Kg	0.059	0.95	1.0
Silver	<0.48		mg/Kg	0.095	0.48	1.0
Thallium	0.60	J	mg/Kg	0.31	0.95	1.0
Tin	5.6	B	mg/Kg	0.32	1.9	1.0
Vanadium	6.6		mg/Kg	0.081	0.48	1.0
Zinc	120	B	mg/Kg	0.17	1.9	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1554		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0069	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	3.4		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-N-01-SED
Lab Sample ID: 500-12109-8

Date Sampled: 06/18/2008 0952
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	06/23/2008 1330		
Prep Method: 5035		Date Prepared:	06/18/2008 0952		
Chloromethane	<0.0057	mg/Kg	0.0018	0.0057	1.0
Vinyl chloride	<0.0057	mg/Kg	0.0016	0.0057	1.0
Bromomethane	<0.0057	mg/Kg	0.0025	0.0057	1.0
Chloroethane	<0.0057	mg/Kg	0.0014	0.0057	1.0
1,1-Dichloroethene	<0.0057	mg/Kg	0.0010	0.0057	1.0
Acetone	<0.0057	mg/Kg	0.0022	0.0057	1.0
Carbon disulfide	<0.0057	mg/Kg	0.0011	0.0057	1.0
Methylene Chloride	<0.0057	mg/Kg	0.00089	0.0057	1.0
trans-1,2-Dichloroethene	<0.0057	mg/Kg	0.0011	0.0057	1.0
Methyl tert-butyl ether	<0.0057	mg/Kg	0.0015	0.0057	1.0
1,1-Dichloroethane	<0.0057	mg/Kg	0.0011	0.0057	1.0
cis-1,2-Dichloroethene	<0.0057	mg/Kg	0.0011	0.0057	1.0
Methyl Ethyl Ketone	<0.0057	mg/Kg	0.0021	0.0057	1.0
Chloroform	<0.0057	mg/Kg	0.0011	0.0057	1.0
1,1,1-Trichloroethane	<0.0057	mg/Kg	0.0010	0.0057	1.0
Carbon tetrachloride	<0.0057	mg/Kg	0.0011	0.0057	1.0
Benzene	<0.0057	mg/Kg	0.00097	0.0057	1.0
1,2-Dichloroethane	<0.0057	mg/Kg	0.0013	0.0057	1.0
Trichloroethene	<0.0057	mg/Kg	0.0011	0.0057	1.0
1,2-Dichloropropane	<0.0057	mg/Kg	0.0011	0.0057	1.0
Bromodichloromethane	<0.0057	mg/Kg	0.00089	0.0057	1.0
cis-1,3-Dichloropropene	<0.0057	mg/Kg	0.00091	0.0057	1.0
methyl isobutyl ketone	<0.0057	mg/Kg	0.0017	0.0057	1.0
Toluene	<0.0057	mg/Kg	0.0010	0.0057	1.0
trans-1,3-Dichloropropene	<0.0057	mg/Kg	0.0011	0.0057	1.0
1,1,2-Trichloroethane	<0.0057	mg/Kg	0.0021	0.0057	1.0
Tetrachloroethene	<0.0057	mg/Kg	0.00091	0.0057	1.0
2-Hexanone	<0.0057	mg/Kg	0.0014	0.0057	1.0
Dibromochloromethane	<0.0057	mg/Kg	0.00095	0.0057	1.0
Chlorobenzene	<0.0057	mg/Kg	0.00078	0.0057	1.0
Ethylbenzene	<0.0057	mg/Kg	0.00081	0.0057	1.0
Xylenes, Total	<0.011	mg/Kg	0.0017	0.011	1.0
Styrene	<0.0057	mg/Kg	0.00085	0.0057	1.0
Bromoform	<0.0057	mg/Kg	0.0011	0.0057	1.0
1,1,2,2-Tetrachloroethane	<0.0057	mg/Kg	0.0014	0.0057	1.0
1,3-Dichloropropene, Total	<0.0057	mg/Kg	0.0011	0.0057	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	%	75 - 140

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-N-01-SED
Lab Sample ID: 500-12109-8

Date Sampled: 06/18/2008 0952
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Toluene-d8 (Surr)	118		%		75 - 130	
4-Bromofluorobenzene (Surr)	115		%		75 - 120	
Dibromofluoromethane	127		%		75 - 140	
Method: 8270C			Date Analyzed:		06/27/2008 2055	
Prep Method: 3541			Date Prepared:		06/25/2008 0704	
Acenaphthene	<0.039		mg/Kg	0.0050	0.039	1.0
Acenaphthylene	<0.039		mg/Kg	0.0041	0.039	1.0
Anthracene	<0.039		mg/Kg	0.0046	0.039	1.0
Benzo[a]anthracene	<0.039		mg/Kg	0.0050	0.039	1.0
Benzo[a]pyrene	0.025	J	mg/Kg	0.0037	0.039	1.0
Benzo[b]fluoranthene	0.022	J	mg/Kg	0.0086	0.039	1.0
Benzo[g,h,i]perylene	0.022	J	mg/Kg	0.0067	0.039	1.0
Benzo[k]fluoranthene	0.023	J	mg/Kg	0.0084	0.039	1.0
Bis(2-chloroethoxy)methane	<0.20		mg/Kg	0.024	0.20	1.0
Bis(2-chloroethyl)ether	<0.20		mg/Kg	0.026	0.20	1.0
Bis(2-ethylhexyl) phthalate	<0.20		mg/Kg	0.033	0.20	1.0
4-Bromophenyl phenyl ether	<0.20		mg/Kg	0.016	0.20	1.0
Butyl benzyl phthalate	<0.20		mg/Kg	0.017	0.20	1.0
Carbazole	<0.20		mg/Kg	0.015	0.20	1.0
4-Chloroaniline	<0.79		mg/Kg	0.15	0.79	1.0
4-Chloro-3-methylphenol	<0.39		mg/Kg	0.096	0.39	1.0
2-Chloronaphthalene	<0.20		mg/Kg	0.018	0.20	1.0
2-Chlorophenol	<0.20		mg/Kg	0.034	0.20	1.0
4-Chlorophenyl phenyl ether	<0.20		mg/Kg	0.016	0.20	1.0
Chrysene	<0.039		mg/Kg	0.0061	0.039	1.0
Dibenz(a,h)anthracene	0.014	J	mg/Kg	0.0048	0.039	1.0
Dibenzofuran	<0.20		mg/Kg	0.015	0.20	1.0
1,2-Dichlorobenzene	<0.20		mg/Kg	0.020	0.20	1.0
1,3-Dichlorobenzene	<0.20		mg/Kg	0.020	0.20	1.0
1,4-Dichlorobenzene	<0.20		mg/Kg	0.021	0.20	1.0
3,3'-Dichlorobenzidine	<0.20		mg/Kg	0.058	0.20	1.0
2,4-Dichlorophenol	<0.39		mg/Kg	0.042	0.39	1.0
Diethyl phthalate	<0.20		mg/Kg	0.020	0.20	1.0
2,4-Dimethylphenol	<0.39		mg/Kg	0.072	0.39	1.0
Dimethyl phthalate	<0.20		mg/Kg	0.015	0.20	1.0
Di-n-butyl phthalate	<0.20		mg/Kg	0.016	0.20	1.0
4,6-Dinitro-2-methylphenol	<0.39		mg/Kg	0.048	0.39	1.0
2,4-Dinitrophenol	<0.79		mg/Kg	0.22	0.79	1.0
2,4-Dinitrotoluene	<0.20		mg/Kg	0.021	0.20	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-N-01-SED
Lab Sample ID: 500-12109-8

Date Sampled: 06/18/2008 0952
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
2,6-Dinitrotoluene	<0.20		mg/Kg	0.021	0.20	1.0
Di-n-octyl phthalate	<0.20		mg/Kg	0.018	0.20	1.0
Fluoranthene	0.016	J	mg/Kg	0.0051	0.039	1.0
Fluorene	<0.039		mg/Kg	0.0041	0.039	1.0
Hexachlorobenzene	<0.079		mg/Kg	0.0057	0.079	1.0
Hexachlorobutadiene	<0.20		mg/Kg	0.023	0.20	1.0
Hexachlorocyclopentadiene	<0.79		mg/Kg	0.13	0.79	1.0
Hexachloroethane	<0.20		mg/Kg	0.021	0.20	1.0
Indeno[1,2,3-cd]pyrene	0.018	J	mg/Kg	0.0051	0.039	1.0
Isophorone	<0.20		mg/Kg	0.016	0.20	1.0
2-Methylnaphthalene	<0.20		mg/Kg	0.022	0.20	1.0
2-Methylphenol	<0.20		mg/Kg	0.039	0.20	1.0
3 & 4 Methylphenol	<0.20		mg/Kg	0.036	0.20	1.0
Naphthalene	<0.039		mg/Kg	0.0040	0.039	1.0
2-Nitroaniline	<0.20		mg/Kg	0.022	0.20	1.0
3-Nitroaniline	<0.39		mg/Kg	0.077	0.39	1.0
4-Nitroaniline	<0.39		mg/Kg	0.084	0.39	1.0
Nitrobenzene	<0.039		mg/Kg	0.0072	0.039	1.0
2-Nitrophenol	<0.39		mg/Kg	0.048	0.39	1.0
4-Nitrophenol	<0.79		mg/Kg	0.069	0.79	1.0
N-Nitrosodi-n-propylamine	<0.20		mg/Kg	0.027	0.20	1.0
N-Nitrosodiphenylamine	<0.20		mg/Kg	0.012	0.20	1.0
2,2'-oxybis[1-chloropropane]	<0.20		mg/Kg	0.021	0.20	1.0
Pentachlorophenol	<0.79		mg/Kg	0.14	0.79	1.0
Phenanthrene	0.010	J	mg/Kg	0.0034	0.039	1.0
Phenol	<0.20		mg/Kg	0.035	0.20	1.0
Pyrene	0.015	J	mg/Kg	0.0046	0.039	1.0
1,2,4-Trichlorobenzene	<0.20		mg/Kg	0.019	0.20	1.0
2,4,5-Trichlorophenol	<0.39		mg/Kg	0.055	0.39	1.0
2,4,6-Trichlorophenol	<0.39		mg/Kg	0.040	0.39	1.0

Surrogate			Acceptance Limits
2-Fluorobiphenyl	85	%	33 - 114
2-Fluorophenol	66	%	25 - 111
Nitrobenzene-d5	73	%	21 - 116
Phenol-d5	67	%	31 - 110
Terphenyl-d14	92	%	48 - 146
2,4,6-Tribromophenol	74	%	32 - 138

Method: 6010B Date Analyzed: 07/01/2008 0613
Prep Method: 3050B Date Prepared: 06/27/2008 0816

Antimony	<2.1		mg/Kg	0.30	2.1	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-N-01-SED
Lab Sample ID: 500-12109-8

Date Sampled: 06/18/2008 0952
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Arsenic	5.3		mg/Kg	0.30	1.0	1.0
Barium	7.5	B	mg/Kg	0.033	1.0	1.0
Beryllium	0.16	J	mg/Kg	0.010	0.41	1.0
Chromium	6.0	B	mg/Kg	0.090	1.0	1.0
Copper	6.7	B	mg/Kg	0.46	1.0	1.0
Lead	4.0		mg/Kg	0.11	0.52	1.0
Nickel	5.1	B	mg/Kg	0.064	1.0	1.0
Selenium	<1.0		mg/Kg	0.39	1.0	1.0
Silver	<0.52		mg/Kg	0.10	0.52	1.0
Thallium	<1.0		mg/Kg	0.34	1.0	1.0
Tin	0.66	J B	mg/Kg	0.35	2.1	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1726		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.19	J	mg/Kg	0.033	0.20	1.0
Cobalt	2.7		mg/Kg	0.073	0.50	1.0
Vanadium	9.0		mg/Kg	0.085	0.50	1.0
Zinc	22		mg/Kg	0.18	2.0	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1556		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.020		mg/Kg	0.0080	0.020	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1149		
pH	7.28		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	16		%	0.10	0.10	1.0
Percent Moisture	16		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-N-SED-02
Lab Sample ID: 500-12109-9

Date Sampled: 06/18/2008 1002
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 82

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0620		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	<2.1		mg/Kg	0.30	2.1	1.0
Arsenic	2.2		mg/Kg	0.30	1.0	1.0
Barium	6.1	B	mg/Kg	0.033	1.0	1.0
Beryllium	0.14	J	mg/Kg	0.010	0.42	1.0
Chromium	3.7	B	mg/Kg	0.091	1.0	1.0
Copper	5.2	B	mg/Kg	0.47	1.0	1.0
Lead	9.8		mg/Kg	0.12	0.52	1.0
Nickel	4.2	B	mg/Kg	0.065	1.0	1.0
Selenium	<1.0		mg/Kg	0.40	1.0	1.0
Silver	<0.52		mg/Kg	0.10	0.52	1.0
Thallium	<1.0		mg/Kg	0.35	1.0	1.0
Tin	9.0	B	mg/Kg	0.36	2.1	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1733		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.18	J	mg/Kg	0.037	0.23	1.0
Cobalt	2.1		mg/Kg	0.083	0.57	1.0
Vanadium	6.9		mg/Kg	0.096	0.57	1.0
Zinc	42		mg/Kg	0.20	2.3	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1559		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.020		mg/Kg	0.0081	0.020	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	18		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-B-N-03 DUP
Lab Sample ID: 500-12109-10

Date Sampled: 06/18/2008 0920
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 100

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0626		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.93	J	mg/Kg	0.26	1.8	1.0
Arsenic	7.6		mg/Kg	0.26	0.91	1.0
Barium	6.5	B	mg/Kg	0.029	0.91	1.0
Beryllium	0.20	J	mg/Kg	0.0091	0.36	1.0
Chromium	6.9	B	mg/Kg	0.079	0.91	1.0
Copper	35	B	mg/Kg	0.41	0.91	1.0
Lead	33		mg/Kg	0.10	0.45	1.0
Nickel	7.5	B	mg/Kg	0.056	0.91	1.0
Selenium	<0.91		mg/Kg	0.34	0.91	1.0
Silver	<0.45		mg/Kg	0.091	0.45	1.0
Thallium	<0.91		mg/Kg	0.30	0.91	1.0
Tin	5.1	B	mg/Kg	0.31	1.8	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1740		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	1.0		mg/Kg	0.028	0.17	1.0
Cobalt	3.5	V	mg/Kg	0.062	0.42	1.0
Vanadium	37		mg/Kg	0.072	0.42	1.0
Zinc	210	V	mg/Kg	0.15	1.7	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1601		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.0094	J	mg/Kg	0.0067	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	0.32		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-01
Lab Sample ID: 500-12109-11

Date Sampled: 06/18/2008 0915
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	06/27/2008 1927		
Prep Method: 5030B		Date Prepared:	06/27/2008 1927		
Acetone	<0.0050	mg/L	0.0012	0.0050	1.0
Benzene	<0.0010	mg/L	0.00016	0.0010	1.0
Bromodichloromethane	<0.0010	mg/L	0.00018	0.0010	1.0
Bromoform	<0.0010	mg/L	0.00030	0.0010	1.0
Bromomethane	<0.0010	mg/L	0.00044	0.0010	1.0
Methyl Ethyl Ketone	<0.0050	mg/L	0.00083	0.0050	1.0
Carbon disulfide	<0.0050	mg/L	0.00039	0.0050	1.0
Carbon tetrachloride	<0.0010	mg/L	0.00021	0.0010	1.0
Chlorobenzene	<0.0010	mg/L	0.00017	0.0010	1.0
Chloroethane	<0.0010	mg/L	0.00045	0.0010	1.0
Chloroform	<0.0010	mg/L	0.00013	0.0010	1.0
Chloromethane	<0.0010	mg/L	0.00033	0.0010	1.0
cis-1,2-Dichloroethene	0.0013	mg/L	0.00021	0.0010	1.0
cis-1,3-Dichloropropene	<0.0010	mg/L	0.00016	0.0010	1.0
Dibromochloromethane	<0.0010	mg/L	0.00019	0.0010	1.0
1,1-Dichloroethane	<0.0010	mg/L	0.00018	0.0010	1.0
1,1-Dichloroethene	<0.0010	mg/L	0.00022	0.0010	1.0
1,2-Dichloropropane	<0.0010	mg/L	0.00023	0.0010	1.0
Ethylbenzene	<0.0010	mg/L	0.00017	0.0010	1.0
2-Hexanone	<0.0050	mg/L	0.00077	0.0050	1.0
Methylene Chloride	<0.0020	mg/L	0.00099	0.0020	1.0
methyl isobutyl ketone	<0.0050	mg/L	0.00058	0.0050	1.0
Methyl tert-butyl ether	<0.0010	mg/L	0.00016	0.0010	1.0
Styrene	<0.0010	mg/L	0.00015	0.0010	1.0
1,1,2,2-Tetrachloroethane	<0.0010	mg/L	0.00025	0.0010	1.0
Tetrachloroethene	<0.0010	mg/L	0.00014	0.0010	1.0
Toluene	<0.0010	mg/L	0.00016	0.0010	1.0
trans-1,2-Dichloroethene	<0.0010	mg/L	0.00017	0.0010	1.0
trans-1,3-Dichloropropene	<0.0010	mg/L	0.00013	0.0010	1.0
1,1,1-Trichloroethane	<0.0010	mg/L	0.00023	0.0010	1.0
1,1,2-Trichloroethane	<0.0010	mg/L	0.00032	0.0010	1.0
Trichloroethene	<0.0010	mg/L	0.00020	0.0010	1.0
Vinyl chloride	<0.0010	mg/L	0.00023	0.0010	1.0
Xylenes, Total	<0.0020	mg/L	0.00033	0.0020	1.0
1,2-Dichloroethane	<0.0010	mg/L	0.00022	0.0010	1.0
1,3-Dichloropropene, Total	<0.0010	mg/L	0.00016	0.0010	1.0

Surrogate			Acceptance Limits
4-Bromofluorobenzene (Surr)	91	%	75 - 120

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-01
Lab Sample ID: 500-12109-11

Date Sampled: 06/18/2008 0915
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	101	%		75 - 120	
1,2-Dichloroethane-d4 (Surr)	91	%		70 - 125	
Toluene-d8 (Surr)	104	%		75 - 120	
Method: 8270C		Date Analyzed:		06/27/2008 1845	
Prep Method: 3510C		Date Prepared:		06/20/2008 0729	
Acenaphthene	<0.00093	mg/L	0.000054	0.00093	1.0
Acenaphthylene	<0.00093	mg/L	0.000054	0.00093	1.0
Anthracene	<0.00093	mg/L	0.000064	0.00093	1.0
Benzo[a]anthracene	<0.00012	mg/L	0.000062	0.00012	1.0
Benzo[a]pyrene	<0.00019	mg/L	0.000041	0.00019	1.0
Benzo[b]fluoranthene	<0.00017	mg/L	0.000039	0.00017	1.0
Benzo[g,h,i]perylene	<0.00093	mg/L	0.00010	0.00093	1.0
Benzo[k]fluoranthene	<0.00016	mg/L	0.000074	0.00016	1.0
Bis(2-chloroethoxy)methane	<0.0019	mg/L	0.00013	0.0019	1.0
Bis(2-chloroethyl)ether	<0.0019	mg/L	0.00022	0.0019	1.0
Bis(2-ethylhexyl) phthalate	<0.0093	mg/L	0.0018	0.0093	1.0
4-Bromophenyl phenyl ether	<0.0047	mg/L	0.00015	0.0047	1.0
Butyl benzyl phthalate	<0.0019	mg/L	0.00019	0.0019	1.0
Carbazole	<0.0047	mg/L	0.00077	0.0047	1.0
4-Chloroaniline	<0.0093	mg/L	0.00073	0.0093	1.0
4-Chloro-3-methylphenol	<0.0093	mg/L	0.0022	0.0093	1.0
2-Chloronaphthalene	<0.0019	mg/L	0.00016	0.0019	1.0
2-Chlorophenol	<0.0047	mg/L	0.00020	0.0047	1.0
4-Chlorophenyl phenyl ether	<0.0047	mg/L	0.00022	0.0047	1.0
Chrysene	<0.00047	mg/L	0.000064	0.00047	1.0
Dibenz(a,h)anthracene	<0.00028	mg/L	0.000053	0.00028	1.0
Dibenzofuran	<0.0019	mg/L	0.00022	0.0019	1.0
1,2-Dichlorobenzene	<0.0019	mg/L	0.00019	0.0019	1.0
1,3-Dichlorobenzene	<0.0019	mg/L	0.00020	0.0019	1.0
1,4-Dichlorobenzene	<0.0019	mg/L	0.00019	0.0019	1.0
3,3'-Dichlorobenzidine	<0.0047	mg/L	0.00023	0.0047	1.0
2,4-Dichlorophenol	<0.0093	mg/L	0.0030	0.0093	1.0
Diethyl phthalate	<0.0019	mg/L	0.00019	0.0019	1.0
2,4-Dimethylphenol	<0.0093	mg/L	0.0010	0.0093	1.0
Dimethyl phthalate	<0.0019	mg/L	0.00012	0.0019	1.0
Di-n-butyl phthalate	<0.0047	mg/L	0.00060	0.0047	1.0
4,6-Dinitro-2-methylphenol	<0.019	mg/L	0.0017	0.019	1.0
2,4-Dinitrophenol	<0.019	mg/L	0.0029	0.019	1.0
2,4-Dinitrotoluene	<0.00093	mg/L	0.00042	0.00093	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-01
Lab Sample ID: 500-12109-11

Date Sampled: 06/18/2008 0915
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
2,6-Dinitrotoluene	<0.00047		mg/L	0.00011	0.00047	1.0
Di-n-octyl phthalate	<0.0093		mg/L	0.0016	0.0093	1.0
Fluoranthene	<0.00093		mg/L	0.000064	0.00093	1.0
Fluorene	<0.00093		mg/L	0.000053	0.00093	1.0
Hexachlorobenzene	<0.00047		mg/L	0.000062	0.00047	1.0
Hexachlorobutadiene	<0.0047		mg/L	0.00023	0.0047	1.0
Hexachlorocyclopentadiene	<0.019		mg/L	0.0041	0.019	1.0
Hexachloroethane	<0.0047		mg/L	0.00023	0.0047	1.0
Indeno[1,2,3-cd]pyrene	<0.00019		mg/L	0.000067	0.00019	1.0
Isophorone	<0.0019		mg/L	0.00054	0.0019	1.0
2-Methylnaphthalene	<0.00047		mg/L	0.00015	0.00047	1.0
2-Methylphenol	<0.0019		mg/L	0.00040	0.0019	1.0
3 & 4 Methylphenol	<0.0019		mg/L	0.00018	0.0019	1.0
Naphthalene	<0.00093		mg/L	0.000093	0.00093	1.0
2-Nitroaniline	<0.0047		mg/L	0.00051	0.0047	1.0
3-Nitroaniline	<0.0093		mg/L	0.00093	0.0093	1.0
4-Nitroaniline	<0.0093		mg/L	0.0021	0.0093	1.0
Nitrobenzene	<0.00093		mg/L	0.00028	0.00093	1.0
2-Nitrophenol	<0.0093		mg/L	0.00060	0.0093	1.0
4-Nitrophenol	<0.019		mg/L	0.0022	0.019	1.0
N-Nitrosodi-n-propylamine	<0.00047		mg/L	0.00014	0.00047	1.0
N-Nitrosodiphenylamine	<0.00093		mg/L	0.00019	0.00093	1.0
2,2'-oxybis[1-chloropropane]	<0.0019		mg/L	0.00019	0.0019	1.0
Pentachlorophenol	<0.019		mg/L	0.0020	0.019	1.0
Phenanthrene	<0.00093		mg/L	0.000066	0.00093	1.0
Phenol	<0.0047		mg/L	0.0012	0.0047	1.0
Pyrene	<0.00093		mg/L	0.000066	0.00093	1.0
1,2,4-Trichlorobenzene	<0.0019		mg/L	0.00022	0.0019	1.0
2,4,5-Trichlorophenol	<0.0093		mg/L	0.0024	0.0093	1.0
2,4,6-Trichlorophenol	<0.0047		mg/L	0.00063	0.0047	1.0

Surrogate			Acceptance Limits
2-Fluorobiphenyl	79	%	37 - 120
2-Fluorophenol	41	%	20 - 110
Nitrobenzene-d5	73	%	36 - 120
Phenol-d5	28	%	20 - 110
Terphenyl-d14	65	%	24 - 134
2,4,6-Tribromophenol	84	%	37 - 134

Method: 6010B Date Analyzed: 06/27/2008 0212
Prep Method: 3010A Date Prepared: 06/20/2008 0925

Antimony	0.016	J	mg/L	0.0042	0.020	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-01
Lab Sample ID: 500-12109-11

Date Sampled: 06/18/2008 0915
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Arsenic	0.17		mg/L	0.0028	0.010	1.0
Barium	0.59	B	mg/L	0.00027	0.010	1.0
Beryllium	0.0035	J	mg/L	0.00013	0.0040	1.0
Chromium	0.13	V	mg/L	0.0016	0.010	1.0
Cobalt	0.10		mg/L	0.0011	0.0050	1.0
Copper	2.4		mg/L	0.00084	0.010	1.0
Lead	1.2	B	mg/L	0.0018	0.0050	1.0
Nickel	0.27		mg/L	0.0024	0.010	1.0
Selenium	0.0091	J	mg/L	0.0042	0.010	1.0
Silver	0.0026	J	mg/L	0.0012	0.0050	1.0
Thallium	0.0069	J	mg/L	0.0045	0.010	1.0
Tin	0.13		mg/L	0.0042	0.020	1.0
Vanadium	0.16	V	mg/L	0.0012	0.0050	1.0
Zinc	2.2	B V	mg/L	0.0025	0.020	1.0
Method: Dissolved-6010B			Date Analyzed:	06/27/2008 0243		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Arsenic	<0.010		mg/L	0.0028	0.010	1.0
Barium	0.058	B	mg/L	0.00027	0.010	1.0
Beryllium	<0.0040		mg/L	0.00013	0.0040	1.0
Cadmium	<0.0020	^	mg/L	0.00046	0.0020	1.0
Chromium	<0.010		mg/L	0.0016	0.010	1.0
Cobalt	0.0048	J	mg/L	0.0011	0.0050	1.0
Copper	0.0038	J	mg/L	0.00084	0.010	1.0
Lead	<0.0050		mg/L	0.0018	0.0050	1.0
Nickel	0.021		mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Tin	<0.020		mg/L	0.0042	0.020	1.0
Vanadium	0.0024	J	mg/L	0.0012	0.0050	1.0
Zinc	0.022	B	mg/L	0.0025	0.020	1.0
Method: 6010B			Date Analyzed:	06/30/2008 1957		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Cadmium	0.0098		mg/L	0.00046	0.0020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/26/2008 2324		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.013		mg/L	0.0023	0.010	5.0
Method: Dissolved-6020			Date Analyzed:	06/26/2008 2328		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.0014	J	mg/L	0.00046	0.0020	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-01
Lab Sample ID: 500-12109-11

Date Sampled: 06/18/2008 0915
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/27/2008 1624		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: 7470A			Date Analyzed:	06/20/2008 1612		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	0.00037		mg/L	0.000065	0.00020	1.0
Method: Dissolved-7470A			Date Analyzed:	06/20/2008 1627		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	<0.00020		mg/L	0.000065	0.00020	1.0
Method: 9040B			Date Analyzed:	06/19/2008 1545		
pH	7.56	HF	SU	0.200	0.200	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-02
Lab Sample ID: 500-12109-12

Date Sampled: 06/18/2008 1030
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/27/2008 0249		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Antimony	0.012	J	mg/L	0.0042	0.020	1.0
Arsenic	0.025		mg/L	0.0028	0.010	1.0
Barium	0.47	B	mg/L	0.00027	0.010	1.0
Beryllium	0.0020	J	mg/L	0.00013	0.0040	1.0
Chromium	0.11		mg/L	0.0016	0.010	1.0
Cobalt	0.035		mg/L	0.0011	0.0050	1.0
Copper	9.0		mg/L	0.00084	0.010	1.0
Lead	2.8	B	mg/L	0.0018	0.0050	1.0
Nickel	0.20		mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	0.0025	J	mg/L	0.0012	0.0050	1.0
Thallium	<0.010		mg/L	0.0045	0.010	1.0
Tin	0.14		mg/L	0.0042	0.020	1.0
Vanadium	0.055		mg/L	0.0012	0.0050	1.0
Zinc	5.3	B	mg/L	0.0025	0.020	1.0
Method: Dissolved-6010B			Date Analyzed:	06/27/2008 0256		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Arsenic	<0.010		mg/L	0.0028	0.010	1.0
Barium	0.088	B	mg/L	0.00027	0.010	1.0
Beryllium	<0.0040		mg/L	0.00013	0.0040	1.0
Cadmium	<0.0020	^	mg/L	0.00046	0.0020	1.0
Chromium	0.0017	J	mg/L	0.0016	0.010	1.0
Cobalt	0.0019	J	mg/L	0.0011	0.0050	1.0
Copper	0.065		mg/L	0.00084	0.010	1.0
Lead	0.0035	J B	mg/L	0.0018	0.0050	1.0
Nickel	0.026		mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Tin	<0.020		mg/L	0.0042	0.020	1.0
Vanadium	<0.0050		mg/L	0.0012	0.0050	1.0
Zinc	0.099	B	mg/L	0.0025	0.020	1.0
Method: 6010B			Date Analyzed:	06/30/2008 2032		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Cadmium	0.017		mg/L	0.00046	0.0020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/26/2008 2331		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.011		mg/L	0.0023	0.010	5.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-02
Lab Sample ID: 500-12109-12

Date Sampled: 06/18/2008 1030
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: Dissolved-6020			Date Analyzed:	06/26/2008 2335		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.0054		mg/L	0.00046	0.0020	1.0
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/27/2008 1629		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: 7470A			Date Analyzed:	06/20/2008 1629		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	0.0019		mg/L	0.000065	0.00020	1.0
Method: Dissolved-7470A			Date Analyzed:	06/20/2008 1631		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	<0.00020		mg/L	0.000065	0.00020	1.0
Method: 9040B			Date Analyzed:	06/19/2008 1550		
pH	7.68	HF	SU	0.200	0.200	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SB-01
Lab Sample ID: 500-12109-13

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 99

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0657		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.28	J	mg/Kg	0.26	1.8	1.0
Arsenic	2.5		mg/Kg	0.26	0.90	1.0
Barium	6.8	B	mg/Kg	0.029	0.90	1.0
Beryllium	0.14	J	mg/Kg	0.0090	0.36	1.0
Chromium	4.4	B	mg/Kg	0.079	0.90	1.0
Copper	28	B	mg/Kg	0.41	0.90	1.0
Lead	11		mg/Kg	0.099	0.45	1.0
Nickel	3.7	B	mg/Kg	0.056	0.90	1.0
Selenium	<0.90		mg/Kg	0.34	0.90	1.0
Silver	<0.45		mg/Kg	0.090	0.45	1.0
Thallium	<0.90		mg/Kg	0.30	0.90	1.0
Tin	1.9	B	mg/Kg	0.31	1.8	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1815		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.33		mg/Kg	0.031	0.18	1.0
Cobalt	2.1		mg/Kg	0.067	0.46	1.0
Vanadium	19		mg/Kg	0.079	0.46	1.0
Zinc	57		mg/Kg	0.17	1.8	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1604		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0067	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	0.64		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SB-02
Lab Sample ID: 500-12109-14

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 95

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0726		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	<2.0		mg/Kg	0.30	2.0	1.0
Arsenic	1.0		mg/Kg	0.30	1.0	1.0
Barium	3.1	B	mg/Kg	0.033	1.0	1.0
Beryllium	0.076	J	mg/Kg	0.010	0.41	1.0
Chromium	3.1	B	mg/Kg	0.089	1.0	1.0
Copper	2.8	B	mg/Kg	0.46	1.0	1.0
Lead	2.7		mg/Kg	0.11	0.51	1.0
Nickel	1.9	B	mg/Kg	0.063	1.0	1.0
Selenium	<1.0		mg/Kg	0.39	1.0	1.0
Silver	<0.51		mg/Kg	0.10	0.51	1.0
Thallium	<1.0		mg/Kg	0.34	1.0	1.0
Tin	0.96	J B	mg/Kg	0.35	2.0	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1849		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.069	J	mg/Kg	0.031	0.19	1.0
Cobalt	1.2		mg/Kg	0.068	0.47	1.0
Vanadium	4.7		mg/Kg	0.079	0.47	1.0
Zinc	11		mg/Kg	0.17	1.9	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1606		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.018		mg/Kg	0.0070	0.018	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1150		
pH	7.02		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	4.9		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SB-03
Lab Sample ID: 500-12109-15

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 100

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0732		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.69	J	mg/Kg	0.28	1.9	1.0
Arsenic	8.1		mg/Kg	0.28	0.96	1.0
Barium	7.8	B	mg/Kg	0.031	0.96	1.0
Beryllium	0.24	J	mg/Kg	0.0096	0.39	1.0
Chromium	11	B	mg/Kg	0.084	0.96	1.0
Copper	400	B	mg/Kg	0.43	0.96	1.0
Lead	66		mg/Kg	0.11	0.48	1.0
Nickel	11	B	mg/Kg	0.060	0.96	1.0
Selenium	0.52	J	mg/Kg	0.37	0.96	1.0
Silver	2.4		mg/Kg	0.096	0.48	1.0
Thallium	<0.96		mg/Kg	0.32	0.96	1.0
Tin	7.1	B	mg/Kg	0.33	1.9	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1856		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.84		mg/Kg	0.030	0.18	1.0
Cobalt	4.0		mg/Kg	0.067	0.46	1.0
Vanadium	53		mg/Kg	0.078	0.46	1.0
Zinc	280		mg/Kg	0.17	1.8	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1612		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.0097	J	mg/Kg	0.0067	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	0.28		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SB-04
Lab Sample ID: 500-12109-16

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 97

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0739		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.30	J	mg/Kg	0.29	2.0	1.0
Arsenic	2.1		mg/Kg	0.29	0.98	1.0
Barium	3.6	B	mg/Kg	0.031	0.98	1.0
Beryllium	0.11	J	mg/Kg	0.0098	0.39	1.0
Chromium	3.5	B	mg/Kg	0.086	0.98	1.0
Copper	13	B	mg/Kg	0.44	0.98	1.0
Lead	5.8		mg/Kg	0.11	0.49	1.0
Nickel	3.1	B	mg/Kg	0.061	0.98	1.0
Selenium	<0.98		mg/Kg	0.37	0.98	1.0
Silver	<0.49		mg/Kg	0.098	0.49	1.0
Thallium	<0.98		mg/Kg	0.32	0.98	1.0
Tin	1.6	J B	mg/Kg	0.33	2.0	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1903		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.068	J	mg/Kg	0.032	0.20	1.0
Cobalt	1.4		mg/Kg	0.071	0.49	1.0
Vanadium	8.6		mg/Kg	0.083	0.49	1.0
Zinc	22		mg/Kg	0.18	2.0	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1615		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0069	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	3.5		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SB-05
Lab Sample ID: 500-12109-17

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 96

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0745		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	<1.8		mg/Kg	0.27	1.8	1.0
Arsenic	1.7		mg/Kg	0.27	0.92	1.0
Barium	3.0	B	mg/Kg	0.029	0.92	1.0
Beryllium	0.089	J	mg/Kg	0.0092	0.37	1.0
Chromium	3.0	B	mg/Kg	0.080	0.92	1.0
Copper	4.1	B	mg/Kg	0.41	0.92	1.0
Lead	3.7		mg/Kg	0.10	0.46	1.0
Nickel	2.5	B	mg/Kg	0.057	0.92	1.0
Selenium	<0.92		mg/Kg	0.35	0.92	1.0
Silver	<0.46		mg/Kg	0.092	0.46	1.0
Thallium	<0.92		mg/Kg	0.30	0.92	1.0
Tin	1.0	J B	mg/Kg	0.31	1.8	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1910		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.098	J	mg/Kg	0.031	0.19	1.0
Cobalt	1.5		mg/Kg	0.069	0.47	1.0
Vanadium	9.3		mg/Kg	0.080	0.47	1.0
Zinc	25		mg/Kg	0.17	1.9	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1617		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.017		mg/Kg	0.0070	0.017	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	4.4		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SB-05 DUP
Lab Sample ID: 500-12109-18

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 94

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0751		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.36	J	mg/Kg	0.27	1.8	1.0
Arsenic	1.8		mg/Kg	0.27	0.92	1.0
Barium	6.6	B	mg/Kg	0.029	0.92	1.0
Beryllium	0.38		mg/Kg	0.0092	0.37	1.0
Chromium	5.1	B	mg/Kg	0.080	0.92	1.0
Copper	45	B	mg/Kg	0.41	0.92	1.0
Lead	30		mg/Kg	0.10	0.46	1.0
Nickel	5.8	B	mg/Kg	0.057	0.92	1.0
Selenium	<0.92		mg/Kg	0.35	0.92	1.0
Silver	<0.46		mg/Kg	0.092	0.46	1.0
Thallium	<0.92		mg/Kg	0.30	0.92	1.0
Tin	16	B	mg/Kg	0.31	1.8	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1917		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.065	J	mg/Kg	0.033	0.20	1.0
Cobalt	1.8		mg/Kg	0.073	0.50	1.0
Vanadium	4.9		mg/Kg	0.085	0.50	1.0
Zinc	60		mg/Kg	0.18	2.0	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1619		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.018		mg/Kg	0.0071	0.018	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	5.7		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SED-S-01
Lab Sample ID: 500-12109-19

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 81

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0757		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.45	J	mg/Kg	0.34	2.3	1.0
Arsenic	3.1		mg/Kg	0.34	1.2	1.0
Barium	12	B	mg/Kg	0.037	1.2	1.0
Beryllium	0.36	J	mg/Kg	0.012	0.46	1.0
Chromium	6.7	B	mg/Kg	0.10	1.2	1.0
Copper	130	B	mg/Kg	0.52	1.2	1.0
Lead	28		mg/Kg	0.13	0.58	1.0
Nickel	8.1	B	mg/Kg	0.072	1.2	1.0
Selenium	<1.2		mg/Kg	0.44	1.2	1.0
Silver	<0.58		mg/Kg	0.12	0.58	1.0
Thallium	<1.2		mg/Kg	0.38	1.2	1.0
Tin	15	B	mg/Kg	0.39	2.3	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1925		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.28		mg/Kg	0.036	0.22	1.0
Cobalt	3.2		mg/Kg	0.079	0.54	1.0
Vanadium	7.7		mg/Kg	0.092	0.54	1.0
Zinc	360		mg/Kg	0.19	2.2	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1621		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.021		mg/Kg	0.0083	0.021	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1152		
pH	7.22		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	19		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-SED-S-02
Lab Sample ID: 500-12109-20

Date Sampled: 06/18/2008 1020
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 78

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0803		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	<2.4		mg/Kg	0.35	2.4	1.0
Arsenic	3.3		mg/Kg	0.35	1.2	1.0
Barium	10	B	mg/Kg	0.038	1.2	1.0
Beryllium	0.33	J	mg/Kg	0.012	0.48	1.0
Chromium	7.3	B	mg/Kg	0.10	1.2	1.0
Copper	60	B	mg/Kg	0.54	1.2	1.0
Lead	30		mg/Kg	0.13	0.60	1.0
Nickel	9.6	B	mg/Kg	0.074	1.2	1.0
Selenium	<1.2		mg/Kg	0.45	1.2	1.0
Silver	<0.60		mg/Kg	0.12	0.60	1.0
Thallium	<1.2		mg/Kg	0.39	1.2	1.0
Tin	17	B	mg/Kg	0.41	2.4	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1932		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.13	J	mg/Kg	0.042	0.25	1.0
Cobalt	2.3		mg/Kg	0.092	0.63	1.0
Vanadium	7.4		mg/Kg	0.11	0.63	1.0
Zinc	220		mg/Kg	0.23	2.5	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1624		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	<0.021		mg/Kg	0.0086	0.021	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	22		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-03
Lab Sample ID: 500-12109-21

Date Sampled: 06/18/2008 1245
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/27/2008 0323		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Antimony	0.0042	J	mg/L	0.0042	0.020	1.0
Arsenic	0.012		mg/L	0.0028	0.010	1.0
Barium	0.22	B	mg/L	0.00027	0.010	1.0
Beryllium	0.00096	J	mg/L	0.00013	0.0040	1.0
Chromium	0.021		mg/L	0.0016	0.010	1.0
Cobalt	0.0095		mg/L	0.0011	0.0050	1.0
Copper	3.9		mg/L	0.00084	0.010	1.0
Lead	0.48	B	mg/L	0.0018	0.0050	1.0
Nickel	0.077		mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Thallium	<0.010		mg/L	0.0045	0.010	1.0
Tin	0.014	J	mg/L	0.0042	0.020	1.0
Vanadium	0.020		mg/L	0.0012	0.0050	1.0
Zinc	1.7	B	mg/L	0.0025	0.020	1.0
Method: Dissolved-6010B			Date Analyzed:	06/27/2008 0329		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Arsenic	0.0039	J	mg/L	0.0028	0.010	1.0
Barium	0.052	B	mg/L	0.00027	0.010	1.0
Beryllium	<0.0040		mg/L	0.00013	0.0040	1.0
Cadmium	<0.0020	^	mg/L	0.00046	0.0020	1.0
Chromium	0.0017	J	mg/L	0.0016	0.010	1.0
Cobalt	<0.0050		mg/L	0.0011	0.0050	1.0
Copper	0.014		mg/L	0.00084	0.010	1.0
Lead	<0.0050		mg/L	0.0018	0.0050	1.0
Nickel	0.0033	J	mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Tin	<0.020		mg/L	0.0042	0.020	1.0
Vanadium	0.0032	J	mg/L	0.0012	0.0050	1.0
Zinc	0.0038	J B	mg/L	0.0025	0.020	1.0
Method: 6010B			Date Analyzed:	06/30/2008 2101		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Cadmium	0.0022		mg/L	0.00046	0.0020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/26/2008 2339		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.0035		mg/L	0.00046	0.0020	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-03
Lab Sample ID: 500-12109-21

Date Sampled: 06/18/2008 1245
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: Dissolved-6020			Date Analyzed:	06/26/2008 2343		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.0030		mg/L	0.00046	0.0020	1.0
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: 7470A			Date Analyzed:	06/20/2008 1633		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	0.00028		mg/L	0.000065	0.00020	1.0
Method: Dissolved-7470A			Date Analyzed:	06/20/2008 1636		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	<0.00020		mg/L	0.000065	0.00020	1.0
Method: 9040B			Date Analyzed:	06/19/2008 1555		
pH	9.01	HF	SU	0.200	0.200	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: EXIST. SOUTH BKG. MW
Lab Sample ID: 500-12109-22

Date Sampled: 06/18/2008 1100
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/27/2008 0336		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Antimony	<0.020		mg/L	0.0042	0.020	1.0
Arsenic	<0.010		mg/L	0.0028	0.010	1.0
Barium	0.21	B	mg/L	0.00027	0.010	1.0
Beryllium	<0.0040		mg/L	0.00013	0.0040	1.0
Cadmium	0.00058	J ^	mg/L	0.00046	0.0020	1.0
Chromium	0.0034	J	mg/L	0.0016	0.010	1.0
Cobalt	0.0056		mg/L	0.0011	0.0050	1.0
Copper	0.016		mg/L	0.00084	0.010	1.0
Lead	0.0078	B	mg/L	0.0018	0.0050	1.0
Nickel	0.0085	J	mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Thallium	<0.010		mg/L	0.0045	0.010	1.0
Tin	<0.020		mg/L	0.0042	0.020	1.0
Vanadium	0.0037	J	mg/L	0.0012	0.0050	1.0
Zinc	0.039	B	mg/L	0.0025	0.020	1.0
Method: Dissolved-6010B			Date Analyzed:	06/27/2008 0342		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Arsenic	<0.010		mg/L	0.0028	0.010	1.0
Barium	0.072	B	mg/L	0.00027	0.010	1.0
Beryllium	<0.0040		mg/L	0.00013	0.0040	1.0
Cadmium	<0.0020	^	mg/L	0.00046	0.0020	1.0
Chromium	<0.010		mg/L	0.0016	0.010	1.0
Cobalt	<0.0050		mg/L	0.0011	0.0050	1.0
Copper	0.0052	J	mg/L	0.00084	0.010	1.0
Lead	<0.0050		mg/L	0.0018	0.0050	1.0
Nickel	0.0026	J	mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Tin	<0.020		mg/L	0.0042	0.020	1.0
Vanadium	0.0013	J	mg/L	0.0012	0.0050	1.0
Zinc	0.011	J B	mg/L	0.0025	0.020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/26/2008 2347		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.00065	J	mg/L	0.00046	0.0020	1.0
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: Dissolved-6020			Date Analyzed:	06/26/2008 2351		

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: EXIST. SOUTH BKG. MW
Lab Sample ID: 500-12109-22

Date Sampled: 06/18/2008 1100
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	<0.0020		mg/L	0.00046	0.0020	1.0
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: 7470A			Date Analyzed:	06/20/2008 1638		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	0.00021		mg/L	0.000065	0.00020	1.0
Method: Dissolved-7470A			Date Analyzed:	06/20/2008 1640		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	<0.00020		mg/L	0.000065	0.00020	1.0
Method: 9040B			Date Analyzed:	06/19/2008 1600		
pH	7.30	HF	SU	0.200	0.200	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-04
Lab Sample ID: 500-12109-23

Date Sampled: 06/18/2008 1550
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	06/27/2008 0348		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Antimony	0.0084	J	mg/L	0.0042	0.020	1.0
Arsenic	0.049		mg/L	0.0028	0.010	1.0
Barium	0.10	B	mg/L	0.00027	0.010	1.0
Beryllium	0.00051	J	mg/L	0.00013	0.0040	1.0
Cadmium	<0.0020	^	mg/L	0.00046	0.0020	1.0
Chromium	0.015		mg/L	0.0016	0.010	1.0
Cobalt	0.0032	J	mg/L	0.0011	0.0050	1.0
Copper	0.47		mg/L	0.00084	0.010	1.0
Lead	0.11	B	mg/L	0.0018	0.0050	1.0
Nickel	0.027		mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Thallium	<0.010		mg/L	0.0045	0.010	1.0
Tin	0.0066	J	mg/L	0.0042	0.020	1.0
Vanadium	0.011		mg/L	0.0012	0.0050	1.0
Zinc	0.26	B	mg/L	0.0025	0.020	1.0
Method: Dissolved-6010B			Date Analyzed:	06/27/2008 0354		
Prep Method: 3010A			Date Prepared:	06/20/2008 0925		
Arsenic	0.041		mg/L	0.0028	0.010	1.0
Barium	0.038	B	mg/L	0.00027	0.010	1.0
Beryllium	<0.0040		mg/L	0.00013	0.0040	1.0
Cadmium	<0.0020	^	mg/L	0.00046	0.0020	1.0
Chromium	0.0019	J	mg/L	0.0016	0.010	1.0
Cobalt	<0.0050		mg/L	0.0011	0.0050	1.0
Copper	0.018		mg/L	0.00084	0.010	1.0
Lead	0.0022	J B	mg/L	0.0018	0.0050	1.0
Nickel	0.020		mg/L	0.0024	0.010	1.0
Selenium	<0.010		mg/L	0.0042	0.010	1.0
Silver	<0.0050		mg/L	0.0012	0.0050	1.0
Tin	<0.020		mg/L	0.0042	0.020	1.0
Vanadium	0.0040	J	mg/L	0.0012	0.0050	1.0
Zinc	0.018	J B	mg/L	0.0025	0.020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/27/2008 0002		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Antimony	0.0098	J	mg/L	0.0023	0.010	5.0
Method: Dissolved-6020			Date Analyzed:	06/27/2008 0006		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: LSF-MW-04
Lab Sample ID: 500-12109-23

Date Sampled: 06/18/2008 1550
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Antimony	0.0092		mg/L	0.00046	0.0020	1.0
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: Total Recoverable-6020			Date Analyzed:	06/27/2008 1634		
Prep Method: 3005A			Date Prepared:	06/20/2008 0925		
Thallium	<0.0020		mg/L	0.00065	0.0020	1.0
Method: 7470A			Date Analyzed:	06/20/2008 1643		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	0.00016	J	mg/L	0.000065	0.00020	1.0
Method: Dissolved-7470A			Date Analyzed:	06/20/2008 1645		
Prep Method: 7470A			Date Prepared:	06/20/2008 1145		
Mercury	<0.00020		mg/L	0.000065	0.00020	1.0
Method: 9040B			Date Analyzed:	06/19/2008 1605		
pH	8.23	HF	SU	0.200	0.200	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-22, 0-6"
Lab Sample ID: 500-12109-24

Date Sampled: 06/18/2008 1430
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0810		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	<2.2		mg/Kg	0.32	2.2	1.0
Arsenic	6.1		mg/Kg	0.32	1.1	1.0
Barium	52	B	mg/Kg	0.036	1.1	1.0
Beryllium	0.58		mg/Kg	0.011	0.45	1.0
Chromium	18	B	mg/Kg	0.097	1.1	1.0
Copper	380	B	mg/Kg	0.50	1.1	1.0
Lead	100		mg/Kg	0.12	0.56	1.0
Nickel	24	B	mg/Kg	0.069	1.1	1.0
Selenium	<1.1		mg/Kg	0.43	1.1	1.0
Silver	0.14	J	mg/Kg	0.11	0.56	1.0
Thallium	<1.1		mg/Kg	0.37	1.1	1.0
Tin	12	B	mg/Kg	0.38	2.2	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1939		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.65		mg/Kg	0.037	0.22	1.0
Cobalt	9.6		mg/Kg	0.081	0.56	1.0
Vanadium	21		mg/Kg	0.095	0.56	1.0
Zinc	240		mg/Kg	0.20	2.2	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1626		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.0097	J	mg/Kg	0.0077	0.019	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1154		
pH	8.21		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	13		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-22, 6"-2'
Lab Sample ID: 500-12109-25

Date Sampled: 06/18/2008 1430
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0816		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	<2.1		mg/Kg	0.30	2.1	1.0
Arsenic	6.2		mg/Kg	0.30	1.0	1.0
Barium	49	B	mg/Kg	0.033	1.0	1.0
Beryllium	0.62		mg/Kg	0.010	0.41	1.0
Chromium	19	B	mg/Kg	0.090	1.0	1.0
Copper	330	B	mg/Kg	0.47	1.0	1.0
Lead	51		mg/Kg	0.11	0.52	1.0
Nickel	25	B	mg/Kg	0.064	1.0	1.0
Selenium	<1.0		mg/Kg	0.39	1.0	1.0
Silver	0.17	J	mg/Kg	0.10	0.52	1.0
Thallium	<1.0		mg/Kg	0.34	1.0	1.0
Tin	6.9	B	mg/Kg	0.35	2.1	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1946		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.50		mg/Kg	0.036	0.22	1.0
Cobalt	12		mg/Kg	0.080	0.55	1.0
Vanadium	26		mg/Kg	0.093	0.55	1.0
Zinc	100		mg/Kg	0.20	2.2	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1451		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.027		mg/Kg	0.0079	0.020	1.0
Method: 9045C			Date Analyzed:	06/25/2008 1155		
pH	8.63		SU	0.200	0.200	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0056		
Percent Moisture	15		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 0-6"
Lab Sample ID: 500-12109-26

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	06/23/2008 1357		
Prep Method: 5035		Date Prepared:	06/18/2008 1445		
Chloromethane	<0.0047	mg/Kg	0.0015	0.0047	1.0
Vinyl chloride	<0.0047	mg/Kg	0.0013	0.0047	1.0
Bromomethane	<0.0047	mg/Kg	0.0021	0.0047	1.0
Chloroethane	<0.0047	mg/Kg	0.0011	0.0047	1.0
1,1-Dichloroethene	<0.0047	mg/Kg	0.00083	0.0047	1.0
Acetone	<0.0047	mg/Kg	0.0018	0.0047	1.0
Carbon disulfide	<0.0047	mg/Kg	0.00088	0.0047	1.0
Methylene Chloride	<0.0047	mg/Kg	0.00073	0.0047	1.0
trans-1,2-Dichloroethene	<0.0047	mg/Kg	0.00094	0.0047	1.0
Methyl tert-butyl ether	<0.0047	mg/Kg	0.0012	0.0047	1.0
1,1-Dichloroethane	<0.0047	mg/Kg	0.00090	0.0047	1.0
cis-1,2-Dichloroethene	<0.0047	mg/Kg	0.00090	0.0047	1.0
Methyl Ethyl Ketone	<0.0047	mg/Kg	0.0017	0.0047	1.0
Chloroform	<0.0047	mg/Kg	0.00092	0.0047	1.0
1,1,1-Trichloroethane	<0.0047	mg/Kg	0.00084	0.0047	1.0
Carbon tetrachloride	<0.0047	mg/Kg	0.00088	0.0047	1.0
Benzene	<0.0047	mg/Kg	0.00080	0.0047	1.0
1,2-Dichloroethane	<0.0047	mg/Kg	0.0010	0.0047	1.0
Trichloroethene	<0.0047	mg/Kg	0.00090	0.0047	1.0
1,2-Dichloropropane	<0.0047	mg/Kg	0.00088	0.0047	1.0
Bromodichloromethane	<0.0047	mg/Kg	0.00073	0.0047	1.0
cis-1,3-Dichloropropene	<0.0047	mg/Kg	0.00075	0.0047	1.0
methyl isobutyl ketone	<0.0047	mg/Kg	0.0014	0.0047	1.0
Toluene	<0.0047	mg/Kg	0.00083	0.0047	1.0
trans-1,3-Dichloropropene	<0.0047	mg/Kg	0.00090	0.0047	1.0
1,1,2-Trichloroethane	<0.0047	mg/Kg	0.0017	0.0047	1.0
Tetrachloroethene	<0.0047	mg/Kg	0.00075	0.0047	1.0
2-Hexanone	<0.0047	mg/Kg	0.0011	0.0047	1.0
Dibromochloromethane	<0.0047	mg/Kg	0.00078	0.0047	1.0
Chlorobenzene	<0.0047	mg/Kg	0.00064	0.0047	1.0
Ethylbenzene	<0.0047	mg/Kg	0.00067	0.0047	1.0
Xylenes, Total	<0.0094	mg/Kg	0.0014	0.0094	1.0
Styrene	<0.0047	mg/Kg	0.00070	0.0047	1.0
Bromoform	<0.0047	mg/Kg	0.00094	0.0047	1.0
1,1,2,2-Tetrachloroethane	<0.0047	mg/Kg	0.0011	0.0047	1.0
1,3-Dichloropropene, Total	<0.0047	mg/Kg	0.00090	0.0047	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127	%	75 - 140

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 0-6"
Lab Sample ID: 500-12109-26

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Toluene-d8 (Surr)	117		%		75 - 130	
4-Bromofluorobenzene (Surr)	113		%		75 - 120	
Dibromofluoromethane	130		%		75 - 140	
Method: 8270C			Date Analyzed:		06/27/2008 2138	
Prep Method: 3541			Date Prepared:		06/25/2008 0704	
Acenaphthene	<0.038		mg/Kg	0.0048	0.038	1.0
Acenaphthylene	<0.038		mg/Kg	0.0040	0.038	1.0
Anthracene	0.014	J	mg/Kg	0.0045	0.038	1.0
Benzo[a]anthracene	0.067		mg/Kg	0.0048	0.038	1.0
Benzo[a]pyrene	0.075		mg/Kg	0.0036	0.038	1.0
Benzo[b]fluoranthene	0.090		mg/Kg	0.0084	0.038	1.0
Benzo[g,h,i]perylene	0.056		mg/Kg	0.0065	0.038	1.0
Benzo[k]fluoranthene	0.045		mg/Kg	0.0081	0.038	1.0
Bis(2-chloroethoxy)methane	<0.19		mg/Kg	0.023	0.19	1.0
Bis(2-chloroethyl)ether	<0.19		mg/Kg	0.025	0.19	1.0
Bis(2-ethylhexyl) phthalate	0.45		mg/Kg	0.032	0.19	1.0
4-Bromophenyl phenyl ether	<0.19		mg/Kg	0.015	0.19	1.0
Butyl benzyl phthalate	<0.19		mg/Kg	0.017	0.19	1.0
Carbazole	<0.19		mg/Kg	0.014	0.19	1.0
4-Chloroaniline	<0.77		mg/Kg	0.15	0.77	1.0
4-Chloro-3-methylphenol	<0.38		mg/Kg	0.093	0.38	1.0
2-Chloronaphthalene	<0.19		mg/Kg	0.017	0.19	1.0
2-Chlorophenol	<0.19		mg/Kg	0.033	0.19	1.0
4-Chlorophenyl phenyl ether	<0.19		mg/Kg	0.016	0.19	1.0
Chrysene	0.078		mg/Kg	0.0060	0.038	1.0
Dibenz(a,h)anthracene	0.018	J	mg/Kg	0.0047	0.038	1.0
Dibenzofuran	<0.19		mg/Kg	0.014	0.19	1.0
1,2-Dichlorobenzene	<0.19		mg/Kg	0.019	0.19	1.0
1,3-Dichlorobenzene	<0.19		mg/Kg	0.020	0.19	1.0
1,4-Dichlorobenzene	<0.19		mg/Kg	0.021	0.19	1.0
3,3'-Dichlorobenzidine	<0.19		mg/Kg	0.056	0.19	1.0
2,4-Dichlorophenol	<0.38		mg/Kg	0.041	0.38	1.0
Diethyl phthalate	<0.19		mg/Kg	0.019	0.19	1.0
2,4-Dimethylphenol	<0.38		mg/Kg	0.070	0.38	1.0
Dimethyl phthalate	<0.19		mg/Kg	0.015	0.19	1.0
Di-n-butyl phthalate	<0.19		mg/Kg	0.015	0.19	1.0
4,6-Dinitro-2-methylphenol	<0.38		mg/Kg	0.046	0.38	1.0
2,4-Dinitrophenol	<0.77		mg/Kg	0.21	0.77	1.0
2,4-Dinitrotoluene	<0.19		mg/Kg	0.020	0.19	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 0-6"
Lab Sample ID: 500-12109-26

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
2,6-Dinitrotoluene	<0.19		mg/Kg	0.020	0.19	1.0
Di-n-octyl phthalate	<0.19		mg/Kg	0.017	0.19	1.0
Fluoranthene	0.15		mg/Kg	0.0049	0.038	1.0
Fluorene	<0.038		mg/Kg	0.0040	0.038	1.0
Hexachlorobenzene	<0.077		mg/Kg	0.0055	0.077	1.0
Hexachlorobutadiene	<0.19		mg/Kg	0.022	0.19	1.0
Hexachlorocyclopentadiene	<0.77		mg/Kg	0.13	0.77	1.0
Hexachloroethane	<0.19		mg/Kg	0.020	0.19	1.0
Indeno[1,2,3-cd]pyrene	0.047		mg/Kg	0.0049	0.038	1.0
Isophorone	<0.19		mg/Kg	0.015	0.19	1.0
2-Methylnaphthalene	<0.19		mg/Kg	0.022	0.19	1.0
2-Methylphenol	<0.19		mg/Kg	0.038	0.19	1.0
3 & 4 Methylphenol	<0.19		mg/Kg	0.035	0.19	1.0
Naphthalene	<0.038		mg/Kg	0.0039	0.038	1.0
2-Nitroaniline	<0.19		mg/Kg	0.021	0.19	1.0
3-Nitroaniline	<0.38		mg/Kg	0.075	0.38	1.0
4-Nitroaniline	<0.38		mg/Kg	0.082	0.38	1.0
Nitrobenzene	<0.038		mg/Kg	0.0070	0.038	1.0
2-Nitrophenol	<0.38		mg/Kg	0.046	0.38	1.0
4-Nitrophenol	<0.77		mg/Kg	0.066	0.77	1.0
N-Nitrosodi-n-propylamine	<0.19		mg/Kg	0.026	0.19	1.0
N-Nitrosodiphenylamine	<0.19		mg/Kg	0.011	0.19	1.0
2,2'-oxybis[1-chloropropane]	<0.19		mg/Kg	0.020	0.19	1.0
Pentachlorophenol	<0.77		mg/Kg	0.14	0.77	1.0
Phenanthrene	0.062		mg/Kg	0.0033	0.038	1.0
Phenol	<0.19		mg/Kg	0.034	0.19	1.0
Pyrene	0.12		mg/Kg	0.0045	0.038	1.0
1,2,4-Trichlorobenzene	<0.19		mg/Kg	0.019	0.19	1.0
2,4,5-Trichlorophenol	<0.38		mg/Kg	0.053	0.38	1.0
2,4,6-Trichlorophenol	<0.38		mg/Kg	0.038	0.38	1.0

Surrogate		Acceptance Limits
2-Fluorobiphenyl	87 %	33 - 114
2-Fluorophenol	63 %	25 - 111
Nitrobenzene-d5	67 %	21 - 116
Phenol-d5	71 %	31 - 110
Terphenyl-d14	91 %	48 - 146
2,4,6-Tribromophenol	79 %	32 - 138

Method: 6010B Date Analyzed: 07/01/2008 0822
Prep Method: 3050B Date Prepared: 06/27/2008 0816

Antimony	0.58	J	mg/Kg	0.32	2.2	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 0-6"
Lab Sample ID: 500-12109-26

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Arsenic	6.3		mg/Kg	0.32	1.1	1.0
Barium	62	B	mg/Kg	0.035	1.1	1.0
Beryllium	0.81		mg/Kg	0.011	0.44	1.0
Chromium	25	B	mg/Kg	0.095	1.1	1.0
Copper	1100	B	mg/Kg	0.49	1.1	1.0
Lead	190		mg/Kg	0.12	0.55	1.0
Nickel	31	B	mg/Kg	0.068	1.1	1.0
Selenium	<1.1		mg/Kg	0.42	1.1	1.0
Silver	0.37	J	mg/Kg	0.11	0.55	1.0
Thallium	<1.1		mg/Kg	0.36	1.1	1.0
Tin	39	B	mg/Kg	0.37	2.2	1.0
Method: 6010B			Date Analyzed:	07/01/2008 1953		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	1.9		mg/Kg	0.033	0.20	1.0
Cobalt	5.5		mg/Kg	0.074	0.51	1.0
Vanadium	16		mg/Kg	0.086	0.51	1.0
Zinc	890		mg/Kg	0.18	2.0	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1453		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.025		mg/Kg	0.0077	0.019	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0059		
Percent Moisture	13		%	0.10	0.10	1.0
Percent Moisture	13		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 6"-2
Lab Sample ID: 500-12109-27

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	06/23/2008 1422		
Prep Method: 5035		Date Prepared:	06/18/2008 1445		
Chloromethane	<0.0047	mg/Kg	0.0015	0.0047	1.0
Vinyl chloride	<0.0047	mg/Kg	0.0013	0.0047	1.0
Bromomethane	<0.0047	mg/Kg	0.0021	0.0047	1.0
Chloroethane	<0.0047	mg/Kg	0.0011	0.0047	1.0
1,1-Dichloroethene	<0.0047	mg/Kg	0.00083	0.0047	1.0
Acetone	<0.0047	mg/Kg	0.0018	0.0047	1.0
Carbon disulfide	<0.0047	mg/Kg	0.00089	0.0047	1.0
Methylene Chloride	<0.0047	mg/Kg	0.00074	0.0047	1.0
trans-1,2-Dichloroethene	<0.0047	mg/Kg	0.00095	0.0047	1.0
Methyl tert-butyl ether	<0.0047	mg/Kg	0.0012	0.0047	1.0
1,1-Dichloroethane	<0.0047	mg/Kg	0.00091	0.0047	1.0
cis-1,2-Dichloroethene	<0.0047	mg/Kg	0.00091	0.0047	1.0
Methyl Ethyl Ketone	<0.0047	mg/Kg	0.0017	0.0047	1.0
Chloroform	<0.0047	mg/Kg	0.00093	0.0047	1.0
1,1,1-Trichloroethane	<0.0047	mg/Kg	0.00084	0.0047	1.0
Carbon tetrachloride	<0.0047	mg/Kg	0.00089	0.0047	1.0
Benzene	<0.0047	mg/Kg	0.00080	0.0047	1.0
1,2-Dichloroethane	<0.0047	mg/Kg	0.0010	0.0047	1.0
Trichloroethene	<0.0047	mg/Kg	0.00091	0.0047	1.0
1,2-Dichloropropane	<0.0047	mg/Kg	0.00089	0.0047	1.0
Bromodichloromethane	<0.0047	mg/Kg	0.00074	0.0047	1.0
cis-1,3-Dichloropropene	<0.0047	mg/Kg	0.00076	0.0047	1.0
methyl isobutyl ketone	<0.0047	mg/Kg	0.0014	0.0047	1.0
Toluene	<0.0047	mg/Kg	0.00083	0.0047	1.0
trans-1,3-Dichloropropene	<0.0047	mg/Kg	0.00091	0.0047	1.0
1,1,2-Trichloroethane	<0.0047	mg/Kg	0.0017	0.0047	1.0
Tetrachloroethene	<0.0047	mg/Kg	0.00076	0.0047	1.0
2-Hexanone	<0.0047	mg/Kg	0.0011	0.0047	1.0
Dibromochloromethane	<0.0047	mg/Kg	0.00078	0.0047	1.0
Chlorobenzene	<0.0047	mg/Kg	0.00064	0.0047	1.0
Ethylbenzene	<0.0047	mg/Kg	0.00067	0.0047	1.0
Xylenes, Total	<0.0095	mg/Kg	0.0014	0.0095	1.0
Styrene	<0.0047	mg/Kg	0.00071	0.0047	1.0
Bromoform	<0.0047	mg/Kg	0.00095	0.0047	1.0
1,1,2,2-Tetrachloroethane	<0.0047	mg/Kg	0.0011	0.0047	1.0
1,3-Dichloropropene, Total	<0.0047	mg/Kg	0.00091	0.0047	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124	%	75 - 140

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 6"-2
Lab Sample ID: 500-12109-27

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Toluene-d8 (Surr)	116		%		75 - 130	
4-Bromofluorobenzene (Surr)	106		%		75 - 120	
Dibromofluoromethane	128		%		75 - 140	
Method: 8270C			Date Analyzed:		06/30/2008 2104	
Prep Method: 3541			Date Prepared:		06/25/2008 0704	
Acenaphthene	0.023	J	mg/Kg	0.0047	0.037	1.0
Acenaphthylene	0.013	J	mg/Kg	0.0039	0.037	1.0
Anthracene	0.098		mg/Kg	0.0043	0.037	1.0
Benzo[a]anthracene	0.44		mg/Kg	0.0047	0.037	1.0
Benzo[a]pyrene	0.45		mg/Kg	0.0034	0.037	1.0
Benzo[b]fluoranthene	0.50		mg/Kg	0.0081	0.037	1.0
Benzo[g,h,i]perylene	0.29		mg/Kg	0.0063	0.037	1.0
Benzo[k]fluoranthene	0.21		mg/Kg	0.0079	0.037	1.0
Bis(2-chloroethoxy)methane	<0.18		mg/Kg	0.023	0.18	1.0
Bis(2-chloroethyl)ether	<0.18		mg/Kg	0.024	0.18	1.0
Bis(2-ethylhexyl) phthalate	0.32		mg/Kg	0.031	0.18	1.0
4-Bromophenyl phenyl ether	<0.18		mg/Kg	0.015	0.18	1.0
Butyl benzyl phthalate	0.017	J	mg/Kg	0.016	0.18	1.0
Carbazole	0.040	J	mg/Kg	0.014	0.18	1.0
4-Chloroaniline	<0.74		mg/Kg	0.14	0.74	1.0
4-Chloro-3-methylphenol	<0.37		mg/Kg	0.090	0.37	1.0
2-Chloronaphthalene	<0.18		mg/Kg	0.017	0.18	1.0
2-Chlorophenol	<0.18		mg/Kg	0.032	0.18	1.0
4-Chlorophenyl phenyl ether	<0.18		mg/Kg	0.015	0.18	1.0
Chrysene	0.54		mg/Kg	0.0058	0.037	1.0
Dibenz(a,h)anthracene	0.097		mg/Kg	0.0045	0.037	1.0
Dibenzofuran	0.025	J	mg/Kg	0.014	0.18	1.0
1,2-Dichlorobenzene	<0.18		mg/Kg	0.018	0.18	1.0
1,3-Dichlorobenzene	<0.18		mg/Kg	0.019	0.18	1.0
1,4-Dichlorobenzene	<0.18		mg/Kg	0.020	0.18	1.0
3,3'-Dichlorobenzidine	<0.18		mg/Kg	0.054	0.18	1.0
2,4-Dichlorophenol	<0.37		mg/Kg	0.039	0.37	1.0
Diethyl phthalate	<0.18		mg/Kg	0.019	0.18	1.0
2,4-Dimethylphenol	<0.37		mg/Kg	0.068	0.37	1.0
Dimethyl phthalate	<0.18		mg/Kg	0.014	0.18	1.0
Di-n-butyl phthalate	<0.18		mg/Kg	0.015	0.18	1.0
4,6-Dinitro-2-methylphenol	<0.37		mg/Kg	0.045	0.37	1.0
2,4-Dinitrophenol	<0.74		mg/Kg	0.20	0.74	1.0
2,4-Dinitrotoluene	<0.18		mg/Kg	0.020	0.18	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 6"-2
Lab Sample ID: 500-12109-27

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
2,6-Dinitrotoluene	<0.18		mg/Kg	0.020	0.18	1.0
Di-n-octyl phthalate	<0.18		mg/Kg	0.017	0.18	1.0
Fluoranthene	0.79		mg/Kg	0.0048	0.037	1.0
Fluorene	0.030	J	mg/Kg	0.0039	0.037	1.0
Hexachlorobenzene	0.0081	J	mg/Kg	0.0053	0.074	1.0
Hexachlorobutadiene	<0.18		mg/Kg	0.021	0.18	1.0
Hexachlorocyclopentadiene	<0.74		mg/Kg	0.13	0.74	1.0
Hexachloroethane	<0.18		mg/Kg	0.019	0.18	1.0
Indeno[1,2,3-cd]pyrene	0.28		mg/Kg	0.0048	0.037	1.0
Isophorone	<0.18		mg/Kg	0.015	0.18	1.0
2-Methylnaphthalene	0.026	J	mg/Kg	0.021	0.18	1.0
2-Methylphenol	<0.18		mg/Kg	0.037	0.18	1.0
3 & 4 Methylphenol	<0.18		mg/Kg	0.034	0.18	1.0
Naphthalene	0.022	J	mg/Kg	0.0038	0.037	1.0
2-Nitroaniline	<0.18		mg/Kg	0.020	0.18	1.0
3-Nitroaniline	<0.37		mg/Kg	0.072	0.37	1.0
4-Nitroaniline	<0.37		mg/Kg	0.079	0.37	1.0
Nitrobenzene	<0.037		mg/Kg	0.0068	0.037	1.0
2-Nitrophenol	<0.37		mg/Kg	0.045	0.37	1.0
4-Nitrophenol	<0.74		mg/Kg	0.064	0.74	1.0
N-Nitrosodi-n-propylamine	<0.18		mg/Kg	0.026	0.18	1.0
N-Nitrosodiphenylamine	<0.18		mg/Kg	0.011	0.18	1.0
2,2'-oxybis[1-chloropropane]	<0.18		mg/Kg	0.019	0.18	1.0
Pentachlorophenol	<0.74		mg/Kg	0.14	0.74	1.0
Phenanthrene	0.48		mg/Kg	0.0032	0.037	1.0
Phenol	<0.18		mg/Kg	0.032	0.18	1.0
Pyrene	0.86		mg/Kg	0.0043	0.037	1.0
1,2,4-Trichlorobenzene	<0.18		mg/Kg	0.018	0.18	1.0
2,4,5-Trichlorophenol	<0.37		mg/Kg	0.051	0.37	1.0
2,4,6-Trichlorophenol	<0.37		mg/Kg	0.037	0.37	1.0

Surrogate			Acceptance Limits
2-Fluorobiphenyl	90	%	33 - 114
2-Fluorophenol	71	%	25 - 111
Nitrobenzene-d5	78	%	21 - 116
Phenol-d5	83	%	31 - 110
Terphenyl-d14	109	%	48 - 146
2,4,6-Tribromophenol	87	%	32 - 138

Method: 6010B Date Analyzed: 07/01/2008 0850
Prep Method: 3050B Date Prepared: 06/27/2008 0816

Antimony	0.71	J	mg/Kg	0.29	2.0	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-23, 6"-2
Lab Sample ID: 500-12109-27

Date Sampled: 06/18/2008 1445
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Arsenic	5.0		mg/Kg	0.29	1.0	1.0
Barium	50	B	mg/Kg	0.032	1.0	1.0
Beryllium	0.74		mg/Kg	0.010	0.40	1.0
Chromium	18	B	mg/Kg	0.088	1.0	1.0
Copper	1000	B	mg/Kg	0.46	1.0	1.0
Lead	200		mg/Kg	0.11	0.51	1.0
Nickel	26	B	mg/Kg	0.063	1.0	1.0
Selenium	<1.0		mg/Kg	0.38	1.0	1.0
Silver	0.37	J	mg/Kg	0.10	0.51	1.0
Thallium	<1.0		mg/Kg	0.33	1.0	1.0
Tin	31	B	mg/Kg	0.34	2.0	1.0
Method: 6010B			Date Analyzed:	07/01/2008 2027		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	1.4		mg/Kg	0.035	0.21	1.0
Cobalt	10		mg/Kg	0.077	0.53	1.0
Vanadium	21		mg/Kg	0.090	0.53	1.0
Zinc	690		mg/Kg	0.19	2.1	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1456		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.034		mg/Kg	0.0075	0.019	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0059		
Percent Moisture	11		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-19-16,0-6"
Lab Sample ID: 500-12109-28

Date Sampled: 06/18/2008 1520
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 93

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0858		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.74	J	mg/Kg	0.31	2.1	1.0
Arsenic	4.1		mg/Kg	0.31	1.1	1.0
Barium	66	B	mg/Kg	0.034	1.1	1.0
Beryllium	0.91		mg/Kg	0.011	0.42	1.0
Chromium	9.9	B	mg/Kg	0.092	1.1	1.0
Copper	600	B	mg/Kg	0.48	1.1	1.0
Lead	250		mg/Kg	0.12	0.53	1.0
Nickel	15	B	mg/Kg	0.066	1.1	1.0
Selenium	<1.1		mg/Kg	0.40	1.1	1.0
Silver	0.29	J	mg/Kg	0.11	0.53	1.0
Thallium	<1.1		mg/Kg	0.35	1.1	1.0
Tin	37	B	mg/Kg	0.36	2.1	1.0
Method: 6010B			Date Analyzed:	07/01/2008 2034		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	1.5		mg/Kg	0.035	0.21	1.0
Cobalt	4.0		mg/Kg	0.077	0.53	1.0
Vanadium	9.4		mg/Kg	0.090	0.53	1.0
Zinc	1400		mg/Kg	0.19	2.1	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1458		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.040		mg/Kg	0.0072	0.018	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0059		
Percent Moisture	7.3		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: SP-19-16,6"-2'
Lab Sample ID: 500-12109-29

Date Sampled: 06/18/2008 1520
Date Received: 06/19/2008 1500
Client Matrix: Solid
Percent Solids: 92

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:	07/01/2008 0904		
Prep Method: 3050B			Date Prepared:	06/27/2008 0816		
Antimony	0.40	J	mg/Kg	0.29	2.0	1.0
Arsenic	3.1		mg/Kg	0.29	1.0	1.0
Barium	59	B	mg/Kg	0.032	1.0	1.0
Beryllium	0.99		mg/Kg	0.010	0.40	1.0
Chromium	8.4	B	mg/Kg	0.088	1.0	1.0
Copper	160	B	mg/Kg	0.45	1.0	1.0
Lead	98		mg/Kg	0.11	0.50	1.0
Nickel	13	B	mg/Kg	0.062	1.0	1.0
Selenium	<1.0		mg/Kg	0.38	1.0	1.0
Silver	0.13	J	mg/Kg	0.10	0.50	1.0
Thallium	<1.0		mg/Kg	0.33	1.0	1.0
Tin	36	B	mg/Kg	0.34	2.0	1.0
Method: 6010B			Date Analyzed:	07/01/2008 2041		
Prep Method: 3050B			Date Prepared:	07/01/2008 0902		
Cadmium	0.75		mg/Kg	0.031	0.19	1.0
Cobalt	3.5		mg/Kg	0.068	0.47	1.0
Vanadium	10		mg/Kg	0.079	0.47	1.0
Zinc	530		mg/Kg	0.17	1.9	1.0
Method: 7471A			Date Analyzed:	06/23/2008 1510		
Prep Method: 7471A			Date Prepared:	06/23/2008 1230		
Mercury	0.028		mg/Kg	0.0073	0.018	1.0
Method: PercentMoisture			Date Analyzed:	06/23/2008 0059		
Percent Moisture	7.9		%	0.10	0.10	1.0

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-12109-30

Date Sampled: 06/18/2008 1200
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	06/27/2008 1904		
Prep Method: 5030B		Date Prepared:	06/27/2008 1904		
Acetone	<0.0050	mg/L	0.0012	0.0050	1.0
Benzene	<0.0010	mg/L	0.00016	0.0010	1.0
Bromodichloromethane	<0.0010	mg/L	0.00018	0.0010	1.0
Bromoform	<0.0010	mg/L	0.00030	0.0010	1.0
Bromomethane	<0.0010	mg/L	0.00044	0.0010	1.0
Methyl Ethyl Ketone	<0.0050	mg/L	0.00083	0.0050	1.0
Carbon disulfide	<0.0050	mg/L	0.00039	0.0050	1.0
Carbon tetrachloride	<0.0010	mg/L	0.00021	0.0010	1.0
Chlorobenzene	<0.0010	mg/L	0.00017	0.0010	1.0
Chloroethane	<0.0010	mg/L	0.00045	0.0010	1.0
Chloroform	<0.0010	mg/L	0.00013	0.0010	1.0
Chloromethane	<0.0010	mg/L	0.00033	0.0010	1.0
cis-1,2-Dichloroethene	<0.0010	mg/L	0.00021	0.0010	1.0
cis-1,3-Dichloropropene	<0.0010	mg/L	0.00016	0.0010	1.0
Dibromochloromethane	<0.0010	mg/L	0.00019	0.0010	1.0
1,1-Dichloroethane	<0.0010	mg/L	0.00018	0.0010	1.0
1,1-Dichloroethene	<0.0010	mg/L	0.00022	0.0010	1.0
1,2-Dichloropropane	<0.0010	mg/L	0.00023	0.0010	1.0
Ethylbenzene	<0.0010	mg/L	0.00017	0.0010	1.0
2-Hexanone	<0.0050	mg/L	0.00077	0.0050	1.0
Methylene Chloride	<0.0020	mg/L	0.00099	0.0020	1.0
methyl isobutyl ketone	<0.0050	mg/L	0.00058	0.0050	1.0
Methyl tert-butyl ether	<0.0010	mg/L	0.00016	0.0010	1.0
Styrene	<0.0010	mg/L	0.00015	0.0010	1.0
1,1,2,2-Tetrachloroethane	<0.0010	mg/L	0.00025	0.0010	1.0
Tetrachloroethene	<0.0010	mg/L	0.00014	0.0010	1.0
Toluene	<0.0010	mg/L	0.00016	0.0010	1.0
trans-1,2-Dichloroethene	<0.0010	mg/L	0.00017	0.0010	1.0
trans-1,3-Dichloropropene	<0.0010	mg/L	0.00013	0.0010	1.0
1,1,1-Trichloroethane	<0.0010	mg/L	0.00023	0.0010	1.0
1,1,2-Trichloroethane	<0.0010	mg/L	0.00032	0.0010	1.0
Trichloroethene	<0.0010	mg/L	0.00020	0.0010	1.0
Vinyl chloride	<0.0010	mg/L	0.00023	0.0010	1.0
Xylenes, Total	<0.0020	mg/L	0.00033	0.0020	1.0
1,2-Dichloroethane	<0.0010	mg/L	0.00022	0.0010	1.0
1,3-Dichloropropene, Total	<0.0010	mg/L	0.00016	0.0010	1.0

Surrogate			Acceptance Limits
4-Bromofluorobenzene (Surr)	90	%	75 - 120

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Job Number: 500-12109-1
Sdg Number: 500-12109-1

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-12109-30

Date Sampled: 06/18/2008 1200
Date Received: 06/19/2008 1500
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Dibromofluoromethane	99	%		75 - 120	
1,2-Dichloroethane-d4 (Surr)	89	%		70 - 125	
Toluene-d8 (Surr)	105	%		75 - 120	

DATA REPORTING QUALIFIERS

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	F	Duplicate RPD exceeds the control limit
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	V	Serial Dilution exceeds the control limits
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes

QUALITY CONTROL RESULTS

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 500-40708					
500-12109-8	LSF-N-01-SED	T	Solid	5035	
500-12109-26	SP-23, 0-6"	T	Solid	5035	
500-12109-27	SP-23, 6"-2	T	Solid	5035	
Analysis Batch:500-40906					
LCS 500-40906/7	Lab Control Spike	T	Solid	8260B	
LCSD 500-40906/8	Lab Control Spike Duplicate	T	Solid	8260B	
MB 500-40906/6	Method Blank	T	Solid	8260B	
500-12109-8	LSF-N-01-SED	T	Solid	8260B	500-40708
500-12109-26	SP-23, 0-6"	T	Solid	8260B	500-40708
500-12109-27	SP-23, 6"-2	T	Solid	8260B	500-40708
Analysis Batch:500-41345					
LCS 500-41345/22	Lab Control Spike	T	Water	8260B	
MB 500-41345/21	Method Blank	T	Water	8260B	
500-12109-11	LSF-MW-01	T	Water	8260B	
500-12109-30	TRIP BLANK	T	Water	8260B	

Report Basis
T = Total

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 500-40715					
LCS 500-40715/2-A	Lab Control Spike	T	Water	3510C	
MB 500-40715/1-A	Method Blank	T	Water	3510C	
500-12109-11	LSF-MW-01	T	Water	3510C	
Prep Batch: 500-41017					
LCS 500-41017/2-A	Lab Control Spike	T	Solid	3541	
MB 500-41017/1-A	Method Blank	T	Solid	3541	
500-12109-8	LSF-N-01-SED	T	Solid	3541	
500-12109-26	SP-23, 0-6"	T	Solid	3541	
500-12109-27	SP-23, 6"-2	T	Solid	3541	
500-12109-27MS	Matrix Spike	T	Solid	3541	
500-12109-27MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:500-41349					
LCS 500-40715/2-A	Lab Control Spike	T	Water	8270C	500-40715
MB 500-40715/1-A	Method Blank	T	Water	8270C	500-40715
LCS 500-41017/2-A	Lab Control Spike	T	Solid	8270C	500-41017
MB 500-41017/1-A	Method Blank	T	Solid	8270C	500-41017
500-12109-8	LSF-N-01-SED	T	Solid	8270C	500-41017
500-12109-11	LSF-MW-01	T	Water	8270C	500-40715
500-12109-26	SP-23, 0-6"	T	Solid	8270C	500-41017
Analysis Batch:500-41379					
500-12109-27	SP-23, 6"-2	T	Solid	8270C	500-41017
500-12109-27MS	Matrix Spike	T	Solid	8270C	500-41017
500-12109-27MSD	Matrix Spike Duplicate	T	Solid	8270C	500-41017

Report Basis
T = Total

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-40743					
LCS 500-40743/2-A	Lab Control Spike	R	Water	3005A	
MB 500-40743/1-A	Method Blank	R	Water	3005A	
500-12109-11	LSF-MW-01	D	Water	3005A	
500-12109-11	LSF-MW-01	R	Water	3005A	
500-12109-12	LSF-MW-02	D	Water	3005A	
500-12109-12	LSF-MW-02	R	Water	3005A	
500-12109-21	LSF-MW-03	D	Water	3005A	
500-12109-21	LSF-MW-03	R	Water	3005A	
500-12109-22	EXIST. SOUTH BKG. MW	D	Water	3005A	
500-12109-22	EXIST. SOUTH BKG. MW	R	Water	3005A	
500-12109-23	LSF-MW-04	D	Water	3005A	
500-12109-23	LSF-MW-04	R	Water	3005A	
Prep Batch: 500-40749					
LCS 500-40749/2-A	Lab Control Spike	T	Water	7470A	
MB 500-40749/1-A	Method Blank	T	Water	7470A	
500-12109-11	LSF-MW-01	D	Water	7470A	
500-12109-11	LSF-MW-01	T	Water	7470A	
500-12109-12	LSF-MW-02	D	Water	7470A	
500-12109-12	LSF-MW-02	T	Water	7470A	
500-12109-21	LSF-MW-03	D	Water	7470A	
500-12109-21	LSF-MW-03	T	Water	7470A	
500-12109-22	EXIST. SOUTH BKG. MW	D	Water	7470A	
500-12109-22	EXIST. SOUTH BKG. MW	T	Water	7470A	
500-12109-23	LSF-MW-04	D	Water	7470A	
500-12109-23	LSF-MW-04	T	Water	7470A	
Prep Batch: 500-40755					
LCS 500-40755/2-A	Lab Control Spike	T	Water	3010A	
MB 500-40755/1-A	Method Blank	T	Water	3010A	
500-12109-11	LSF-MW-01	D	Water	3010A	
500-12109-11	LSF-MW-01	T	Water	3010A	
500-12109-11DU	Duplicate	T	Water	3010A	
500-12109-11MS	Matrix Spike	T	Water	3010A	
500-12109-11MSD	Matrix Spike Duplicate	T	Water	3010A	
500-12109-12	LSF-MW-02	D	Water	3010A	
500-12109-12	LSF-MW-02	T	Water	3010A	
500-12109-21	LSF-MW-03	D	Water	3010A	
500-12109-21	LSF-MW-03	T	Water	3010A	
500-12109-22	EXIST. SOUTH BKG. MW	D	Water	3010A	
500-12109-22	EXIST. SOUTH BKG. MW	T	Water	3010A	
500-12109-23	LSF-MW-04	D	Water	3010A	
500-12109-23	LSF-MW-04	T	Water	3010A	

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-40782					
LCS 500-40749/2-A	Lab Control Spike	T	Water	7470A	500-40749
MB 500-40749/1-A	Method Blank	T	Water	7470A	500-40749
500-12109-11	LSF-MW-01	D	Water	7470A	500-40749
500-12109-11	LSF-MW-01	T	Water	7470A	500-40749
500-12109-12	LSF-MW-02	D	Water	7470A	500-40749
500-12109-12	LSF-MW-02	T	Water	7470A	500-40749
500-12109-21	LSF-MW-03	D	Water	7470A	500-40749
500-12109-21	LSF-MW-03	T	Water	7470A	500-40749
500-12109-22	EXIST. SOUTH BKG. MW	D	Water	7470A	500-40749
500-12109-22	EXIST. SOUTH BKG. MW	T	Water	7470A	500-40749
500-12109-23	LSF-MW-04	D	Water	7470A	500-40749
500-12109-23	LSF-MW-04	T	Water	7470A	500-40749
Prep Batch: 500-40832					
LCS 500-40832/2-A	Lab Control Spike	T	Solid	3050B	
MB 500-40832/1-A	Method Blank	T	Solid	3050B	
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	3050B	
500-12109-2	LSF-SP-19-20 (6-24")	T	Solid	3050B	
500-12109-3	LSF-B-N-01	T	Solid	3050B	
500-12109-3DU	Duplicate	T	Solid	3050B	
500-12109-3MS	Matrix Spike	T	Solid	3050B	
500-12109-3MSD	Matrix Spike Duplicate	T	Solid	3050B	
500-12109-4	LSF-B-N-02	T	Solid	3050B	
500-12109-5	LSF-B-N-03	T	Solid	3050B	
500-12109-6	LSF-B-N-04	T	Solid	3050B	
500-12109-7	LSF-B-N-05	T	Solid	3050B	
Prep Batch: 500-40869					
LCS 500-40869/2-A	Lab Control Spike	T	Solid	7471A	
MB 500-40869/1-A	Method Blank	T	Solid	7471A	
500-12109-25	SP-22, 6"-2'	T	Solid	7471A	
500-12109-26	SP-23, 0-6"	T	Solid	7471A	
500-12109-27	SP-23, 6"-2	T	Solid	7471A	
500-12109-28	SP-19-16,0-6"	T	Solid	7471A	
500-12109-28DU	Duplicate	T	Solid	7471A	
500-12109-28MS	Matrix Spike	T	Solid	7471A	
500-12109-28MSD	Matrix Spike Duplicate	T	Solid	7471A	
500-12109-29	SP-19-16,6"-2'	T	Solid	7471A	

Client: Deigan & Associates

Job Number: 500-12109-1
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-40874					
LCS 500-40874/2-A	Lab Control Spike	T	Solid	7471A	
MB 500-40874/1-A	Method Blank	T	Solid	7471A	
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	7471A	
500-12109-2	LSF-SP-19-20 (6-24")	T	Solid	7471A	
500-12109-3	LSF-B-N-01	T	Solid	7471A	
500-12109-4	LSF-B-N-02	T	Solid	7471A	
500-12109-5	LSF-B-N-03	T	Solid	7471A	
500-12109-5DU	Duplicate	T	Solid	7471A	
500-12109-5MS	Matrix Spike	T	Solid	7471A	
500-12109-5MSD	Matrix Spike Duplicate	T	Solid	7471A	
500-12109-6	LSF-B-N-04	T	Solid	7471A	
500-12109-7	LSF-B-N-05	T	Solid	7471A	
500-12109-8	LSF-N-01-SED	T	Solid	7471A	
500-12109-9	LSF-N-SED-02	T	Solid	7471A	
500-12109-10	LSF-B-N-03 DUP	T	Solid	7471A	
500-12109-13	LSF-SB-01	T	Solid	7471A	
500-12109-14	LSF-SB-02	T	Solid	7471A	
500-12109-15	LSF-SB-03	T	Solid	7471A	
500-12109-16	LSF-SB-04	T	Solid	7471A	
500-12109-17	LSF-SB-05	T	Solid	7471A	
500-12109-18	LSF-SB-05 DUP	T	Solid	7471A	
500-12109-19	LSF-SED-S-01	T	Solid	7471A	
500-12109-20	LSF-SED-S-02	T	Solid	7471A	
500-12109-24	SP-22, 0-6"	T	Solid	7471A	

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-40884					
LCS 500-40869/2-A	Lab Control Spike	T	Solid	7471A	500-40869
MB 500-40869/1-A	Method Blank	T	Solid	7471A	500-40869
LCS 500-40874/2-A	Lab Control Spike	T	Solid	7471A	500-40874
MB 500-40874/1-A	Method Blank	T	Solid	7471A	500-40874
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	7471A	500-40874
500-12109-2	LSF-SP-19-20 (6-24")	T	Solid	7471A	500-40874
500-12109-3	LSF-B-N-01	T	Solid	7471A	500-40874
500-12109-4	LSF-B-N-02	T	Solid	7471A	500-40874
500-12109-5	LSF-B-N-03	T	Solid	7471A	500-40874
500-12109-5DU	Duplicate	T	Solid	7471A	500-40874
500-12109-5MS	Matrix Spike	T	Solid	7471A	500-40874
500-12109-5MSD	Matrix Spike Duplicate	T	Solid	7471A	500-40874
500-12109-6	LSF-B-N-04	T	Solid	7471A	500-40874
500-12109-7	LSF-B-N-05	T	Solid	7471A	500-40874
500-12109-8	LSF-N-01-SED	T	Solid	7471A	500-40874
500-12109-9	LSF-N-SED-02	T	Solid	7471A	500-40874
500-12109-10	LSF-B-N-03 DUP	T	Solid	7471A	500-40874
500-12109-13	LSF-SB-01	T	Solid	7471A	500-40874
500-12109-14	LSF-SB-02	T	Solid	7471A	500-40874
500-12109-15	LSF-SB-03	T	Solid	7471A	500-40874
500-12109-16	LSF-SB-04	T	Solid	7471A	500-40874
500-12109-17	LSF-SB-05	T	Solid	7471A	500-40874
500-12109-18	LSF-SB-05 DUP	T	Solid	7471A	500-40874
500-12109-19	LSF-SED-S-01	T	Solid	7471A	500-40874
500-12109-20	LSF-SED-S-02	T	Solid	7471A	500-40874
500-12109-24	SP-22, 0-6"	T	Solid	7471A	500-40874
500-12109-25	SP-22, 6"-2'	T	Solid	7471A	500-40869
500-12109-26	SP-23, 0-6"	T	Solid	7471A	500-40869
500-12109-27	SP-23, 6"-2	T	Solid	7471A	500-40869
500-12109-28	SP-19-16,0-6"	T	Solid	7471A	500-40869
500-12109-28DU	Duplicate	T	Solid	7471A	500-40869
500-12109-28MS	Matrix Spike	T	Solid	7471A	500-40869
500-12109-28MSD	Matrix Spike Duplicate	T	Solid	7471A	500-40869
500-12109-29	SP-19-16,6"-2'	T	Solid	7471A	500-40869

Client: Deigan & Associates

Job Number: 500-12109-1
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-40900					
MRL 500-40900/17	Method Reporting Limit Check	T	Solid	6010B	
LCS 500-40832/2-A	Lab Control Spike	T	Solid	6010B	500-40832
MB 500-40832/1-A	Method Blank	T	Solid	6010B	500-40832
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	6010B	500-40832
500-12109-2	LSF-SP-19-20 (6-24")	T	Solid	6010B	500-40832
500-12109-3	LSF-B-N-01	T	Solid	6010B	500-40832
500-12109-3MS	Matrix Spike	T	Solid	6010B	500-40832
500-12109-3MSD	Matrix Spike Duplicate	T	Solid	6010B	500-40832
500-12109-4	LSF-B-N-02	T	Solid	6010B	500-40832
500-12109-5	LSF-B-N-03	T	Solid	6010B	500-40832
500-12109-6	LSF-B-N-04	T	Solid	6010B	500-40832
500-12109-7	LSF-B-N-05	T	Solid	6010B	500-40832
Analysis Batch:500-40963					
LCS 500-40832/2-A	Lab Control Spike	T	Solid	6010B	500-40832
MB 500-40832/1-A	Method Blank	T	Solid	6010B	500-40832
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	6010B	500-40832
500-12109-2	LSF-SP-19-20 (6-24")	T	Solid	6010B	500-40832
500-12109-3	LSF-B-N-01	T	Solid	6010B	500-40832
500-12109-3DU	Duplicate	T	Solid	6010B	500-40832
500-12109-3MS	Matrix Spike	T	Solid	6010B	500-40832
500-12109-3MSD	Matrix Spike Duplicate	T	Solid	6010B	500-40832
500-12109-4	LSF-B-N-02	T	Solid	6010B	500-40832
500-12109-5	LSF-B-N-03	T	Solid	6010B	500-40832
500-12109-6	LSF-B-N-04	T	Solid	6010B	500-40832
500-12109-7	LSF-B-N-05	T	Solid	6010B	500-40832
Analysis Batch:500-41226					
MRL 500-41226/17	Method Reporting Limit Check	T	Water	6010B	
LCS 500-40755/2-A	Lab Control Spike	T	Water	6010B	500-40755
MB 500-40755/1-A	Method Blank	T	Water	6010B	500-40755
500-12109-11	LSF-MW-01	D	Water	6010B	500-40755
500-12109-11	LSF-MW-01	T	Water	6010B	500-40755
500-12109-11DU	Duplicate	T	Water	6010B	500-40755
500-12109-11MS	Matrix Spike	T	Water	6010B	500-40755
500-12109-11MSD	Matrix Spike Duplicate	T	Water	6010B	500-40755
500-12109-12	LSF-MW-02	D	Water	6010B	500-40755
500-12109-12	LSF-MW-02	T	Water	6010B	500-40755
500-12109-21	LSF-MW-03	D	Water	6010B	500-40755
500-12109-21	LSF-MW-03	T	Water	6010B	500-40755
500-12109-22	EXIST. SOUTH BKG. MW	D	Water	6010B	500-40755
500-12109-22	EXIST. SOUTH BKG. MW	T	Water	6010B	500-40755
500-12109-23	LSF-MW-04	D	Water	6010B	500-40755
500-12109-23	LSF-MW-04	T	Water	6010B	500-40755

Client: Deigan & Associates

Job Number: 500-12109-1
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-41233					
LCS 500-41233/2-A	Lab Control Spike	T	Solid	3050B	
MB 500-41233/1-A	Method Blank	T	Solid	3050B	
500-12109-8	LSF-N-01-SED	T	Solid	3050B	
500-12109-9	LSF-N-SED-02	T	Solid	3050B	
500-12109-10	LSF-B-N-03 DUP	T	Solid	3050B	
500-12109-10DU	Duplicate	T	Solid	3050B	
500-12109-10MS	Matrix Spike	T	Solid	3050B	
500-12109-10MSD	Matrix Spike Duplicate	T	Solid	3050B	
500-12109-13	LSF-SB-01	T	Solid	3050B	
500-12109-14	LSF-SB-02	T	Solid	3050B	
500-12109-15	LSF-SB-03	T	Solid	3050B	
500-12109-16	LSF-SB-04	T	Solid	3050B	
500-12109-17	LSF-SB-05	T	Solid	3050B	
500-12109-18	LSF-SB-05 DUP	T	Solid	3050B	
500-12109-19	LSF-SED-S-01	T	Solid	3050B	
500-12109-20	LSF-SED-S-02	T	Solid	3050B	
500-12109-24	SP-22, 0-6"	T	Solid	3050B	
500-12109-25	SP-22, 6"-2'	T	Solid	3050B	
500-12109-26	SP-23, 0-6"	T	Solid	3050B	
500-12109-27	SP-23, 6"-2	T	Solid	3050B	
500-12109-28	SP-19-16,0-6"	T	Solid	3050B	
500-12109-29	SP-19-16,6"-2'	T	Solid	3050B	
Analysis Batch:500-41237					
LCS 500-40743/2-A	Lab Control Spike	R	Water	6020	500-40743
MB 500-40743/1-A	Method Blank	R	Water	6020	500-40743
500-12109-11	LSF-MW-01	D	Water	6020	500-40743
500-12109-11	LSF-MW-01	R	Water	6020	500-40743
500-12109-12	LSF-MW-02	D	Water	6020	500-40743
500-12109-12	LSF-MW-02	R	Water	6020	500-40743
500-12109-21	LSF-MW-03	D	Water	6020	500-40743
500-12109-21	LSF-MW-03	R	Water	6020	500-40743
500-12109-22	EXIST. SOUTH BKG. MW	D	Water	6020	500-40743
500-12109-22	EXIST. SOUTH BKG. MW	R	Water	6020	500-40743
500-12109-23	LSF-MW-04	D	Water	6020	500-40743
500-12109-23	LSF-MW-04	R	Water	6020	500-40743
Analysis Batch:500-41334					
500-12109-11	LSF-MW-01	R	Water	6020	500-40743
500-12109-12	LSF-MW-02	R	Water	6020	500-40743
500-12109-23	LSF-MW-04	R	Water	6020	500-40743

Client: Deigan & Associates

Job Number: 500-12109-1
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-41405					
500-12109-11	LSF-MW-01	T	Water	6010B	500-40755
500-12109-11DU	Duplicate	T	Water	6010B	500-40755
500-12109-11MS	Matrix Spike	T	Water	6010B	500-40755
500-12109-11MSD	Matrix Spike Duplicate	T	Water	6010B	500-40755
500-12109-12	LSF-MW-02	T	Water	6010B	500-40755
500-12109-21	LSF-MW-03	T	Water	6010B	500-40755
Prep Batch: 500-41414					
LCS 500-41414/2-A	Lab Control Spike	T	Solid	3050B	
MB 500-41414/1-A	Method Blank	T	Solid	3050B	
500-12109-8	LSF-N-01-SED	T	Solid	3050B	
500-12109-9	LSF-N-SED-02	T	Solid	3050B	
500-12109-10	LSF-B-N-03 DUP	T	Solid	3050B	
500-12109-10DU	Duplicate	T	Solid	3050B	
500-12109-10MS	Matrix Spike	T	Solid	3050B	
500-12109-10MSD	Matrix Spike Duplicate	T	Solid	3050B	
500-12109-13	LSF-SB-01	T	Solid	3050B	
500-12109-14	LSF-SB-02	T	Solid	3050B	
500-12109-15	LSF-SB-03	T	Solid	3050B	
500-12109-16	LSF-SB-04	T	Solid	3050B	
500-12109-17	LSF-SB-05	T	Solid	3050B	
500-12109-18	LSF-SB-05 DUP	T	Solid	3050B	
500-12109-19	LSF-SED-S-01	T	Solid	3050B	
500-12109-20	LSF-SED-S-02	T	Solid	3050B	
500-12109-24	SP-22, 0-6"	T	Solid	3050B	
500-12109-25	SP-22, 6"-2'	T	Solid	3050B	
500-12109-26	SP-23, 0-6"	T	Solid	3050B	
500-12109-27	SP-23, 6"-2	T	Solid	3050B	
500-12109-28	SP-19-16,0-6"	T	Solid	3050B	
500-12109-29	SP-19-16,6"-2'	T	Solid	3050B	

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-41421					
MRL 500-41421/17	Method Reporting Limit Check	T	Solid	6010B	
LCS 500-41233/2-A	Lab Control Spike	T	Solid	6010B	500-41233
MB 500-41233/1-A	Method Blank	T	Solid	6010B	500-41233
500-12109-8	LSF-N-01-SED	T	Solid	6010B	500-41233
500-12109-9	LSF-N-SED-02	T	Solid	6010B	500-41233
500-12109-10	LSF-B-N-03 DUP	T	Solid	6010B	500-41233
500-12109-10DU	Duplicate	T	Solid	6010B	500-41233
500-12109-10MS	Matrix Spike	T	Solid	6010B	500-41233
500-12109-10MSD	Matrix Spike Duplicate	T	Solid	6010B	500-41233
500-12109-13	LSF-SB-01	T	Solid	6010B	500-41233
500-12109-14	LSF-SB-02	T	Solid	6010B	500-41233
500-12109-15	LSF-SB-03	T	Solid	6010B	500-41233
500-12109-16	LSF-SB-04	T	Solid	6010B	500-41233
500-12109-17	LSF-SB-05	T	Solid	6010B	500-41233
500-12109-18	LSF-SB-05 DUP	T	Solid	6010B	500-41233
500-12109-19	LSF-SED-S-01	T	Solid	6010B	500-41233
500-12109-20	LSF-SED-S-02	T	Solid	6010B	500-41233
500-12109-24	SP-22, 0-6"	T	Solid	6010B	500-41233
500-12109-25	SP-22, 6"-2'	T	Solid	6010B	500-41233
500-12109-26	SP-23, 0-6"	T	Solid	6010B	500-41233
500-12109-27	SP-23, 6"-2	T	Solid	6010B	500-41233
500-12109-28	SP-19-16,0-6"	T	Solid	6010B	500-41233
500-12109-29	SP-19-16,6"-2'	T	Solid	6010B	500-41233

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-41510					
LCS 500-41414/2-A	Lab Control Spike	T	Solid	6010B	500-41414
MB 500-41414/1-A	Method Blank	T	Solid	6010B	500-41414
500-12109-8	LSF-N-01-SED	T	Solid	6010B	500-41414
500-12109-9	LSF-N-SED-02	T	Solid	6010B	500-41414
500-12109-10	LSF-B-N-03 DUP	T	Solid	6010B	500-41414
500-12109-10DU	Duplicate	T	Solid	6010B	500-41414
500-12109-10MS	Matrix Spike	T	Solid	6010B	500-41414
500-12109-10MSD	Matrix Spike Duplicate	T	Solid	6010B	500-41414
500-12109-13	LSF-SB-01	T	Solid	6010B	500-41414
500-12109-14	LSF-SB-02	T	Solid	6010B	500-41414
500-12109-15	LSF-SB-03	T	Solid	6010B	500-41414
500-12109-16	LSF-SB-04	T	Solid	6010B	500-41414
500-12109-17	LSF-SB-05	T	Solid	6010B	500-41414
500-12109-18	LSF-SB-05 DUP	T	Solid	6010B	500-41414
500-12109-19	LSF-SED-S-01	T	Solid	6010B	500-41414
500-12109-20	LSF-SED-S-02	T	Solid	6010B	500-41414
500-12109-24	SP-22, 0-6"	T	Solid	6010B	500-41414
500-12109-25	SP-22, 6"-2'	T	Solid	6010B	500-41414
500-12109-26	SP-23, 0-6"	T	Solid	6010B	500-41414
500-12109-27	SP-23, 6"-2	T	Solid	6010B	500-41414
500-12109-28	SP-19-16,0-6"	T	Solid	6010B	500-41414
500-12109-29	SP-19-16,6"-2'	T	Solid	6010B	500-41414

Report Basis
D = Dissolved
R = Total Recoverable
T = Total

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-40756					
500-12109-11	LSF-MW-01	T	Water	9040B	
500-12109-11DU	Duplicate	T	Water	9040B	
500-12109-12	LSF-MW-02	T	Water	9040B	
500-12109-12DU	Duplicate	T	Water	9040B	
500-12109-21	LSF-MW-03	T	Water	9040B	
500-12109-21DU	Duplicate	T	Water	9040B	
500-12109-22	EXIST. SOUTH BKG. MW	T	Water	9040B	
500-12109-22DU	Duplicate	T	Water	9040B	
500-12109-23	LSF-MW-04	T	Water	9040B	
500-12109-23DU	Duplicate	T	Water	9040B	
Analysis Batch:500-40809					
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	PercentMoisture	
500-12109-1DU	Duplicate	T	Solid	PercentMoisture	
500-12109-2	LSF-SP-19-20 (6-24")	T	Solid	PercentMoisture	
500-12109-3	LSF-B-N-01	T	Solid	PercentMoisture	
500-12109-4	LSF-B-N-02	T	Solid	PercentMoisture	
500-12109-5	LSF-B-N-03	T	Solid	PercentMoisture	
500-12109-6	LSF-B-N-04	T	Solid	PercentMoisture	
500-12109-7	LSF-B-N-05	T	Solid	PercentMoisture	
500-12109-8	LSF-N-01-SED	T	Solid	PercentMoisture	
500-12109-9	LSF-N-SED-02	T	Solid	PercentMoisture	
500-12109-10	LSF-B-N-03 DUP	T	Solid	PercentMoisture	
500-12109-13	LSF-SB-01	T	Solid	PercentMoisture	
500-12109-14	LSF-SB-02	T	Solid	PercentMoisture	
500-12109-15	LSF-SB-03	T	Solid	PercentMoisture	
500-12109-16	LSF-SB-04	T	Solid	PercentMoisture	
500-12109-17	LSF-SB-05	T	Solid	PercentMoisture	
500-12109-18	LSF-SB-05 DUP	T	Solid	PercentMoisture	
500-12109-19	LSF-SED-S-01	T	Solid	PercentMoisture	
500-12109-20	LSF-SED-S-02	T	Solid	PercentMoisture	
500-12109-24	SP-22, 0-6"	T	Solid	PercentMoisture	
500-12109-25	SP-22, 6"-2'	T	Solid	PercentMoisture	
Analysis Batch:500-40810					
500-12109-26	SP-23, 0-6"	T	Solid	PercentMoisture	
500-12109-27	SP-23, 6"-2	T	Solid	PercentMoisture	
500-12109-28	SP-19-16,0-6"	T	Solid	PercentMoisture	
500-12109-29	SP-19-16,6"-2'	T	Solid	PercentMoisture	

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-41062					
500-12109-1	LSF-SP-19-20 (0-6")	T	Solid	9045C	
500-12109-3	LSF-B-N-01	T	Solid	9045C	
500-12109-8	LSF-N-01-SED	T	Solid	9045C	
500-12109-14	LSF-SB-02	T	Solid	9045C	
500-12109-19	LSF-SED-S-01	T	Solid	9045C	
500-12109-24	SP-22, 0-6"	T	Solid	9045C	
500-12109-25	SP-22, 6"-2'	T	Solid	9045C	

Report Basis
T = Total

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	12DCE %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
500-12109-8	LSF-N-01-SED	122	118	115	127
500-12109-26	SP-23, 0-6"	127	117	113	130
500-12109-27	SP-23, 6"-2	124	116	106	128
MB 500-40906/6		125	112	112	122
LCS 500-40906/7		119	118	118	120
LCSD 500-40906/8		116	119	117	123

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	75-140
TOL = Toluene-d8 (Surr)	75-130
BFB = 4-Bromofluorobenzene (Surr)	75-120
DBFM = Dibromofluoromethane	75-140

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
MB 500-41345/21		109	103	91	106
LCS 500-41345/22		105	107	95	108

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	70-125
TOL = Toluene-d8 (Surr)	75-120
BFB = 4-Bromofluorobenzene (Surr)	75-120
DBFM = Dibromofluoromethane	75-120

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	12DCE %Rec	TOL %Rec
500-12109-11	LSF-MW-01	91	101	91	104
500-12109-30	TRIP BLANK	90	99	89	105

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	75-120
DBFM = Dibromofluoromethane	75-120
12DCE = 1,2-Dichloroethane-d4 (Surr)	70-125
TOL = Toluene-d8 (Surr)	75-120

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
500-12109-8	LSF-N-01-SED	85	66	73	67	92	74
500-12109-26	SP-23, 0-6"	87	63	67	71	91	79
500-12109-27	SP-23, 6"-2	90	71	78	83	109	87
MB 500-41017/1-A		96	79	86	85	94	88
LCS 500-41017/2-A		100	91	93	96	120	108
500-12109-27 MS	SP-23, 6"-2 MS	85	72	76	80	114	88
500-12109-27 MSD	SP-23, 6"-2 MSD	93	72	76	80	120	93

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	33-114
2FP = 2-Fluorophenol	25-111
NBZ = Nitrobenzene-d5	21-116
PHL = Phenol-d5	31-110
TPH = Terphenyl-d14	48-146
TBP = 2,4,6-Tribromophenol	32-138

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
500-12109-11	LSF-MW-01	79	41	73	28	65	84
MB 500-40715/1-A		68	42	65	31	69	64
LCS 500-40715/2-A		85	60	83	45	98	94

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	37-120
2FP = 2-Fluorophenol	20-110
NBZ = Nitrobenzene-d5	36-120
PHL = Phenol-d5	20-110
TPH = Terphenyl-d14	24-134
TBP = 2,4,6-Tribromophenol	37-134

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40906

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 500-40906/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 0938
Date Prepared: N/A

Analysis Batch: 500-40906
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16M0623.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	<0.0050		0.0019	0.0050
Bromomethane	<0.0050		0.0022	0.0050
Carbon disulfide	<0.0050		0.00094	0.0050
Chloroethane	<0.0050		0.0012	0.0050
Chloromethane	<0.0050		0.0016	0.0050
Methyl Ethyl Ketone	<0.0050		0.0018	0.0050
Chloroform	<0.0050		0.00098	0.0050
cis-1,2-Dichloroethene	<0.0050		0.00096	0.0050
Carbon tetrachloride	<0.0050		0.00094	0.0050
Benzene	<0.0050		0.00085	0.0050
1,1-Dichloroethane	<0.0050		0.00096	0.0050
1,1-Dichloroethene	<0.0050		0.00088	0.0050
1,2-Dichloropropane	<0.0050		0.00094	0.0050
Bromodichloromethane	<0.0050		0.00078	0.0050
cis-1,3-Dichloropropene	<0.0050		0.00080	0.0050
Methylene Chloride	<0.0050		0.00078	0.0050
methyl isobutyl ketone	<0.0050		0.0015	0.0050
Methyl tert-butyl ether	<0.0050		0.0013	0.0050
2-Hexanone	<0.0050		0.0012	0.0050
Dibromochloromethane	<0.0050		0.00083	0.0050
Chlorobenzene	<0.0050		0.00068	0.0050
Ethylbenzene	<0.0050		0.00071	0.0050
Tetrachloroethene	<0.0050		0.00080	0.0050
Toluene	<0.0050		0.00088	0.0050
trans-1,2-Dichloroethene	<0.0050		0.0010	0.0050
Styrene	<0.0050		0.00075	0.0050
trans-1,3-Dichloropropene	<0.0050		0.00096	0.0050
1,1,1-Trichloroethane	<0.0050		0.00089	0.0050
Bromoform	<0.0050		0.0010	0.0050
1,1,2,2-Tetrachloroethane	<0.0050		0.0012	0.0050
1,1,2-Trichloroethane	<0.0050		0.0018	0.0050
Trichloroethene	<0.0050		0.00096	0.0050
Vinyl chloride	<0.0050		0.0014	0.0050
Xylenes, Total	<0.010		0.0015	0.010
1,2-Dichloroethane	<0.0050		0.0011	0.0050
1,3-Dichloropropene, Total	<0.0050		0.00096	0.0050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	125	75 - 140
Toluene-d8 (Surr)	112	75 - 130
4-Bromofluorobenzene (Surr)	112	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	122	75 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 500-40906

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 500-40906/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1004
Date Prepared: N/A

Analysis Batch: 500-40906
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16S0623.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 500-40906/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1931
Date Prepared: N/A

Analysis Batch: 500-40906
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973
Lab File ID: 16T0623.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	123	108	24 - 147	13	30		
Bromomethane	102	116	51 - 154	13	30		
Carbon disulfide	69	64	33 - 140	8	30		
Chloroethane	73	79	42 - 155	8	30		
Chloromethane	68	66	36 - 143	2	30		
Methyl Ethyl Ketone	102	93	50 - 120	9	30		
Chloroform	94	96	76 - 120	2	30		
cis-1,2-Dichloroethene	95	97	79 - 120	1	30		
Carbon tetrachloride	92	85	63 - 120	8	30		
Benzene	91	89	76 - 120	1	30		
1,1-Dichloroethane	87	87	70 - 120	1	30		
1,1-Dichloroethene	90	83	58 - 127	8	30		
1,2-Dichloropropane	92	92	75 - 120	0	30		
Bromodichloromethane	101	97	80 - 120	4	30		
cis-1,3-Dichloropropene	88	87	69 - 120	1	30		
Methylene Chloride	90	91	66 - 124	0	30		
methyl isobutyl ketone	98	94	65 - 126	5	30		
Methyl tert-butyl ether	92	92	66 - 122	0	30		
2-Hexanone	95	89	58 - 120	6	30		
Dibromochloromethane	100	95	72 - 120	5	30		
Chlorobenzene	95	93	76 - 120	2	30		
Ethylbenzene	96	92	78 - 120	4	30		
Tetrachloroethene	93	89	70 - 120	5	30		
Toluene	93	92	78 - 120	0	30		
trans-1,2-Dichloroethene	92	91	70 - 120	1	30		
Styrene	98	97	82 - 120	1	30		
trans-1,3-Dichloropropene	91	90	70 - 120	1	30		
1,1,1-Trichloroethane	95	87	70 - 120	9	30		
Bromoform	101	92	57 - 120	10	30		
1,1,2,2-Tetrachloroethane	102	99	73 - 120	4	30		
1,1,2-Trichloroethane	102	102	77 - 120	0	30		
Trichloroethene	94	93	74 - 120	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 500-40906

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 500-40906/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1004
Date Prepared: N/A

Analysis Batch: 500-40906
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16S0623.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 500-40906/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1931
Date Prepared: N/A

Analysis Batch: 500-40906
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973
Lab File ID: 16T0623.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Vinyl chloride	89	85	49 - 133	6	30		
Xylenes, Total	96	93	77 - 120	3	30		
1,2-Dichloroethane	98	98	74 - 120	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	116	75 - 140
Toluene-d8 (Surr)	118	119	75 - 130
4-Bromofluorobenzene (Surr)	118	117	75 - 120
Dibromofluoromethane	120	123	75 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-41345

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-41345/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 1049
Date Prepared: 06/27/2008 1049

Analysis Batch: 500-41345
Prep Batch: N/A
Units: mg/L

Instrument ID: Agilent 6890A GC - 5973 M
Lab File ID: 22M0627A.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Acetone	<0.0050		0.0012	0.0050
Bromomethane	<0.0010		0.00044	0.0010
Carbon disulfide	<0.0050		0.00039	0.0050
Chloroethane	<0.0010		0.00045	0.0010
Chloromethane	<0.0010		0.00033	0.0010
Methyl Ethyl Ketone	<0.0050		0.00083	0.0050
Chloroform	<0.0010		0.00013	0.0010
cis-1,2-Dichloroethene	<0.0010		0.00021	0.0010
Carbon tetrachloride	<0.0010		0.00021	0.0010
Benzene	<0.0010		0.00016	0.0010
1,1-Dichloroethane	<0.0010		0.00018	0.0010
1,1-Dichloroethene	<0.0010		0.00022	0.0010
1,2-Dichloropropane	<0.0010		0.00023	0.0010
Bromodichloromethane	<0.0010		0.00018	0.0010
cis-1,3-Dichloropropene	<0.0010		0.00016	0.0010
Methylene Chloride	<0.0020		0.00099	0.0020
methyl isobutyl ketone	<0.0050		0.00058	0.0050
Methyl tert-butyl ether	<0.0010		0.00016	0.0010
2-Hexanone	<0.0050		0.00077	0.0050
Dibromochloromethane	<0.0010		0.00019	0.0010
Chlorobenzene	<0.0010		0.00017	0.0010
Ethylbenzene	<0.0010		0.00017	0.0010
Tetrachloroethene	<0.0010		0.00014	0.0010
Toluene	<0.0010		0.00016	0.0010
trans-1,2-Dichloroethene	<0.0010		0.00017	0.0010
Styrene	<0.0010		0.00015	0.0010
trans-1,3-Dichloropropene	<0.0010		0.00013	0.0010
1,1,1-Trichloroethane	<0.0010		0.00023	0.0010
Bromoform	<0.0010		0.00030	0.0010
1,1,2,2-Tetrachloroethane	<0.0010		0.00025	0.0010
1,1,2-Trichloroethane	<0.0010		0.00032	0.0010
Trichloroethene	<0.0010		0.00020	0.0010
Vinyl chloride	<0.0010		0.00023	0.0010
Xylenes, Total	<0.0020		0.00033	0.0020
1,2-Dichloroethane	<0.0010		0.00022	0.0010
1,3-Dichloropropene, Total	<0.0010		0.00016	0.0010

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	70 - 125
Toluene-d8 (Surr)	103	75 - 120
4-Bromofluorobenzene (Surr)	91	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	106	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-41345

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-41345/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 1112
Date Prepared: 06/27/2008 1112

Analysis Batch: 500-41345
Prep Batch: N/A
Units: mg/L

Instrument ID: Agilent 6890A GC - 5973 M
Lab File ID: 22S0627.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	0.0250	0.0299	120	10 - 175	
Bromomethane	0.0250	0.0261	104	56 - 157	
Carbon disulfide	0.0250	0.0217	87	38 - 135	
Chloroethane	0.0250	0.0262	105	56 - 140	
Chloromethane	0.0250	0.0197	79	38 - 148	
Methyl Ethyl Ketone	0.0250	0.0280	112	28 - 160	
Chloroform	0.0250	0.0238	95	70 - 120	
cis-1,2-Dichloroethene	0.0250	0.0251	100	76 - 124	
Carbon tetrachloride	0.0250	0.0228	91	61 - 128	
Benzene	0.0250	0.0222	89	74 - 120	
1,1-Dichloroethane	0.0250	0.0219	87	69 - 120	
1,1-Dichloroethene	0.0250	0.0200	80	55 - 121	
1,2-Dichloropropane	0.0250	0.0238	95	75 - 120	
Bromodichloromethane	0.0250	0.0253	101	79 - 134	
cis-1,3-Dichloropropene	0.0269	0.0246	91	64 - 120	
Methylene Chloride	0.0250	0.0246	98	65 - 126	
methyl isobutyl ketone	0.0250	0.0267	107	38 - 172	
Methyl tert-butyl ether	0.0250	0.0261	105	61 - 122	
2-Hexanone	0.0250	0.0240	96	39 - 158	
Dibromochloromethane	0.0250	0.0226	90	78 - 126	
Chlorobenzene	0.0250	0.0216	87	78 - 120	
Ethylbenzene	0.0250	0.0222	89	79 - 120	
Tetrachloroethene	0.0250	0.0220	88	65 - 120	
Toluene	0.0250	0.0248	99	78 - 120	
trans-1,2-Dichloroethene	0.0250	0.0219	88	69 - 120	
Styrene	0.0250	0.0230	92	80 - 121	
trans-1,3-Dichloropropene	0.0243	0.0238	98	65 - 120	
1,1,1-Trichloroethane	0.0250	0.0234	94	68 - 125	
Bromoform	0.0250	0.0215	86	58 - 122	
1,1,2,2-Tetrachloroethane	0.0250	0.0258	103	71 - 120	
1,1,2-Trichloroethane	0.0250	0.0254	101	74 - 123	
Trichloroethene	0.0250	0.0234	94	69 - 120	
Vinyl chloride	0.0250	0.0270	108	49 - 140	
Xylenes, Total	0.0750	0.0687	92	78 - 120	
1,2-Dichloroethane	0.0250	0.0230	92	71 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	70 - 125
Toluene-d8 (Surr)	107	75 - 120
4-Bromofluorobenzene (Surr)	95	75 - 120
Dibromofluoromethane	108	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40715

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 500-40715/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 1612
Date Prepared: 06/20/2008 0729

Analysis Batch: 500-41349
Prep Batch: 500-40715
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 40715M.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	<0.0010		0.000058	0.0010
Acenaphthylene	<0.0010		0.000058	0.0010
Anthracene	<0.0010		0.000068	0.0010
Benzo[a]anthracene	<0.00013		0.000066	0.00013
Benzo[a]pyrene	<0.00020		0.000044	0.00020
Benzo[b]fluoranthene	<0.00018		0.000042	0.00018
Benzo[g,h,i]perylene	<0.0010		0.00011	0.0010
Benzo[k]fluoranthene	<0.00017		0.000079	0.00017
Bis(2-chloroethoxy)methane	<0.0020		0.00014	0.0020
Bis(2-chloroethyl)ether	<0.0020		0.00024	0.0020
Bis(2-ethylhexyl) phthalate	<0.010		0.0019	0.010
4-Bromophenyl phenyl ether	<0.0050		0.00016	0.0050
Butyl benzyl phthalate	<0.0020		0.00020	0.0020
Carbazole	<0.0050		0.00082	0.0050
4-Chloroaniline	<0.010		0.00078	0.010
4-Chloro-3-methylphenol	<0.010		0.0024	0.010
2-Chloronaphthalene	<0.0020		0.00017	0.0020
2-Chlorophenol	<0.0050		0.00021	0.0050
4-Chlorophenyl phenyl ether	<0.0050		0.00024	0.0050
Chrysene	<0.00050		0.000068	0.00050
Dibenz(a,h)anthracene	<0.00030		0.000057	0.00030
Dibenzofuran	<0.0020		0.00024	0.0020
1,2-Dichlorobenzene	<0.0020		0.00020	0.0020
1,3-Dichlorobenzene	<0.0020		0.00021	0.0020
1,4-Dichlorobenzene	<0.0020		0.00020	0.0020
3,3'-Dichlorobenzidine	<0.0050		0.00025	0.0050
2,4-Dichlorophenol	<0.010		0.0032	0.010
Diethyl phthalate	<0.0020		0.00020	0.0020
2,4-Dimethylphenol	<0.010		0.0011	0.010
Dimethyl phthalate	<0.0020		0.00013	0.0020
Di-n-butyl phthalate	<0.0050		0.00064	0.0050
4,6-Dinitro-2-methylphenol	<0.020		0.0018	0.020
2,4-Dinitrophenol	<0.020		0.0031	0.020
2,4-Dinitrotoluene	<0.0010		0.00045	0.0010
2,6-Dinitrotoluene	<0.00050		0.00012	0.00050
Di-n-octyl phthalate	<0.010		0.0017	0.010
Fluoranthene	<0.0010		0.000068	0.0010
Fluorene	<0.0010		0.000057	0.0010
Hexachlorobenzene	<0.00050		0.000066	0.00050
Hexachlorobutadiene	<0.0050		0.00025	0.0050
Hexachlorocyclopentadiene	<0.020		0.0044	0.020

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40715

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 500-40715/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 1612
Date Prepared: 06/20/2008 0729

Analysis Batch: 500-41349
Prep Batch: 500-40715
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 40715M.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
Hexachloroethane	<0.0050		0.00025	0.0050
Indeno[1,2,3-cd]pyrene	<0.00020		0.000072	0.00020
Isophorone	<0.0020		0.00058	0.0020
2-Methylnaphthalene	<0.00050		0.00016	0.00050
2-Methylphenol	<0.0020		0.00043	0.0020
3 & 4 Methylphenol	<0.0020		0.00019	0.0020
Naphthalene	<0.0010		0.00010	0.0010
2-Nitroaniline	<0.0050		0.00055	0.0050
3-Nitroaniline	<0.010		0.0010	0.010
4-Nitroaniline	<0.010		0.0023	0.010
Nitrobenzene	<0.0010		0.00030	0.0010
2-Nitrophenol	<0.010		0.00064	0.010
4-Nitrophenol	<0.020		0.0024	0.020
N-Nitrosodi-n-propylamine	<0.00050		0.00015	0.00050
N-Nitrosodiphenylamine	<0.0010		0.00020	0.0010
2,2'-oxybis[1-chloropropane]	<0.0020		0.00020	0.0020
Pentachlorophenol	<0.020		0.0021	0.020
Phenanthrene	<0.0010		0.000071	0.0010
Phenol	<0.0050		0.0013	0.0050
Pyrene	<0.0010		0.000071	0.0010
1,2,4-Trichlorobenzene	<0.0020		0.00024	0.0020
2,4,5-Trichlorophenol	<0.010		0.0026	0.010
2,4,6-Trichlorophenol	<0.0050		0.00067	0.0050

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	68	37 - 120
2-Fluorophenol	42	20 - 110
Nitrobenzene-d5	65	36 - 120
Phenol-d5	31	20 - 110
Terphenyl-d14	69	24 - 134
2,4,6-Tribromophenol	64	37 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-40715

Method: 8270C
Preparation: 3510C

Lab Sample ID: LCS 500-40715/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 1928
Date Prepared: 06/20/2008 0729

Analysis Batch: 500-41349
Prep Batch: 500-40715
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 40715BS.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	0.0500	0.0401	80	54 - 110	
Acenaphthylene	0.0500	0.0401	80	54 - 110	
Anthracene	0.0500	0.0420	84	58 - 110	
Benzo[a]anthracene	0.0500	0.0403	81	61 - 120	
Benzo[a]pyrene	0.0500	0.0369	74	55 - 114	
Benzo[b]fluoranthene	0.0500	0.0356	71	53 - 111	
Benzo[g,h,i]perylene	0.0500	0.0344	69	55 - 123	
Benzo[k]fluoranthene	0.0500	0.0328	66	52 - 114	
Bis(2-chloroethoxy)methane	0.0500	0.0397	79	57 - 110	
Bis(2-chloroethyl)ether	0.0500	0.0397	79	46 - 110	
Bis(2-ethylhexyl) phthalate	0.0500	0.0379	76	56 - 124	
4-Bromophenyl phenyl ether	0.0500	0.0433	87	62 - 111	
Butyl benzyl phthalate	0.0500	0.0418	84	59 - 126	
Carbazole	0.0500	0.0443	89	58 - 110	
4-Chloroaniline	0.0500	0.0480	96	40 - 128	
4-Chloro-3-methylphenol	0.0500	0.0400	80	52 - 110	
2-Chloronaphthalene	0.0500	0.0391	78	56 - 110	
2-Chlorophenol	0.0500	0.0416	83	52 - 110	
4-Chlorophenyl phenyl ether	0.0500	0.0375	75	59 - 110	
Chrysene	0.0500	0.0451	90	59 - 122	
Dibenz(a,h)anthracene	0.0500	0.0352	70	57 - 110	
Dibenzofuran	0.0500	0.0397	79	56 - 110	
1,2-Dichlorobenzene	0.0500	0.0380	76	41 - 110	
1,3-Dichlorobenzene	0.0500	0.0360	72	38 - 110	
1,4-Dichlorobenzene	0.0500	0.0363	73	38 - 110	
3,3'-Dichlorobenzidine	0.0500	0.0482	96	46 - 139	
2,4-Dichlorophenol	0.0500	0.0417	83	57 - 110	
Diethyl phthalate	0.0500	0.0416	83	58 - 110	
2,4-Dimethylphenol	0.0500	0.0378	76	10 - 128	
Dimethyl phthalate	0.0500	0.0416	83	61 - 110	
Di-n-butyl phthalate	0.0500	0.0456	91	60 - 112	
4,6-Dinitro-2-methylphenol	0.0500	0.0404	81	51 - 113	
2,4-Dinitrophenol	0.0500	0.0422	84	27 - 138	
2,4-Dinitrotoluene	0.0500	0.0435	87	62 - 119	
2,6-Dinitrotoluene	0.0500	0.0438	88	65 - 111	
Di-n-octyl phthalate	0.0500	0.0366	73	52 - 118	
Fluoranthene	0.0500	0.0433	87	58 - 110	
Fluorene	0.0500	0.0356	71	55 - 110	
Hexachlorobenzene	0.0500	0.0413	83	61 - 115	
Hexachlorobutadiene	0.0500	0.0379	76	40 - 114	
Hexachlorocyclopentadiene	0.0500	0.0396	79	28 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-40715

Method: 8270C
Preparation: 3510C

Lab Sample ID: LCS 500-40715/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 1928
Date Prepared: 06/20/2008 0729

Analysis Batch: 500-41349
Prep Batch: 500-40715
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 40715BS.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachloroethane	0.0500	0.0367	73	35 - 110	
Indeno[1,2,3-cd]pyrene	0.0500	0.0354	71	55 - 110	
Isophorone	0.0500	0.0369	74	49 - 110	
2-Methylnaphthalene	0.0500	0.0385	77	50 - 110	
2-Methylphenol	0.0500	0.0362	72	28 - 110	
3 & 4 Methylphenol	0.0500	0.0333	67	28 - 110	
Naphthalene	0.0500	0.0359	72	47 - 110	
2-Nitroaniline	0.0500	0.0406	81	50 - 110	
3-Nitroaniline	0.0500	0.0491	98	59 - 123	
4-Nitroaniline	0.0500	0.0466	93	50 - 118	
Nitrobenzene	0.0500	0.0391	78	55 - 110	
2-Nitrophenol	0.0500	0.0418	84	56 - 111	
4-Nitrophenol	0.0500	0.0230	46	20 - 110	
N-Nitrosodi-n-propylamine	0.0500	0.0360	72	48 - 110	
N-Nitrosodiphenylamine	0.0500	0.0426	85	54 - 110	
2,2'-oxybis[1-chloropropane]	0.0500	0.0352	70	35 - 110	
Pentachlorophenol	0.0500	0.0421	84	38 - 115	
Phenanthrene	0.0500	0.0400	80	58 - 110	
Phenol	0.0500	0.0238	48	20 - 110	
Pyrene	0.0500	0.0410	82	58 - 131	
1,2,4-Trichlorobenzene	0.0500	0.0372	74	45 - 110	
2,4,5-Trichlorophenol	0.0500	0.0426	85	58 - 111	
2,4,6-Trichlorophenol	0.0500	0.0426	85	58 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	85	37 - 120
2-Fluorophenol	60	20 - 110
Nitrobenzene-d5	83	36 - 120
Phenol-d5	45	20 - 110
Terphenyl-d14	98	24 - 134
2,4,6-Tribromophenol	94	37 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-41017

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 500-41017/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/27/2008 1402
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41349
Prep Batch: 500-41017
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 41017M.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	<0.033		0.0042	0.033
Acenaphthylene	<0.033		0.0035	0.033
Anthracene	<0.033		0.0039	0.033
Benzo[a]anthracene	<0.033		0.0042	0.033
Benzo[a]pyrene	<0.033		0.0031	0.033
Benzo[b]fluoranthene	<0.033		0.0073	0.033
Benzo[g,h,i]perylene	<0.033		0.0057	0.033
Benzo[k]fluoranthene	<0.033		0.0071	0.033
Bis(2-chloroethoxy)methane	<0.17		0.021	0.17
Bis(2-chloroethyl)ether	<0.17		0.022	0.17
Bis(2-ethylhexyl) phthalate	<0.17		0.028	0.17
4-Bromophenyl phenyl ether	<0.17		0.013	0.17
Butyl benzyl phthalate	<0.17		0.015	0.17
Carbazole	<0.17		0.013	0.17
4-Chloroaniline	<0.67		0.13	0.67
4-Chloro-3-methylphenol	<0.33		0.081	0.33
2-Chloronaphthalene	<0.17		0.015	0.17
2-Chlorophenol	<0.17		0.029	0.17
4-Chlorophenyl phenyl ether	<0.17		0.014	0.17
Chrysene	<0.033		0.0052	0.033
Dibenz(a,h)anthracene	<0.033		0.0041	0.033
Dibenzofuran	<0.17		0.012	0.17
1,2-Dichlorobenzene	<0.17		0.017	0.17
1,3-Dichlorobenzene	<0.17		0.017	0.17
1,4-Dichlorobenzene	<0.17		0.018	0.17
3,3'-Dichlorobenzidine	<0.17		0.049	0.17
2,4-Dichlorophenol	<0.33		0.036	0.33
Diethyl phthalate	<0.17		0.017	0.17
2,4-Dimethylphenol	<0.33		0.061	0.33
Dimethyl phthalate	<0.17		0.013	0.17
Di-n-butyl phthalate	<0.17		0.013	0.17
4,6-Dinitro-2-methylphenol	<0.33		0.040	0.33
2,4-Dinitrophenol	<0.67		0.18	0.67
2,4-Dinitrotoluene	<0.17		0.018	0.17
2,6-Dinitrotoluene	<0.17		0.018	0.17
Di-n-octyl phthalate	<0.17		0.015	0.17
Fluoranthene	<0.033		0.0043	0.033
Fluorene	<0.033		0.0035	0.033
Hexachlorobenzene	<0.067		0.0048	0.067
Hexachlorobutadiene	<0.17		0.019	0.17
Hexachlorocyclopentadiene	<0.67		0.11	0.67

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-41017

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 500-41017/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/27/2008 1402
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41349
Prep Batch: 500-41017
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 41017M.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
Hexachloroethane	<0.17		0.018	0.17
Indeno[1,2,3-cd]pyrene	<0.033		0.0043	0.033
Isophorone	<0.17		0.014	0.17
2-Methylnaphthalene	<0.17		0.019	0.17
2-Methylphenol	<0.17		0.033	0.17
3 & 4 Methylphenol	<0.17		0.031	0.17
Naphthalene	<0.033		0.0034	0.033
2-Nitroaniline	<0.17		0.018	0.17
3-Nitroaniline	<0.33		0.065	0.33
4-Nitroaniline	<0.33		0.071	0.33
Nitrobenzene	<0.033		0.0061	0.033
2-Nitrophenol	<0.33		0.040	0.33
4-Nitrophenol	<0.67		0.058	0.67
N-Nitrosodi-n-propylamine	<0.17		0.023	0.17
N-Nitrosodiphenylamine	<0.17		0.0099	0.17
2,2'-oxybis[1-chloropropane]	<0.17		0.017	0.17
Pentachlorophenol	<0.67		0.12	0.67
Phenanthrene	<0.033		0.0029	0.033
Phenol	<0.17		0.029	0.17
Pyrene	<0.033		0.0039	0.033
1,2,4-Trichlorobenzene	<0.17		0.016	0.17
2,4,5-Trichlorophenol	<0.33		0.047	0.33
2,4,6-Trichlorophenol	<0.33		0.034	0.33

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	96	33 - 114
2-Fluorophenol	79	25 - 111
Nitrobenzene-d5	86	21 - 116
Phenol-d5	85	31 - 110
Terphenyl-d14	94	48 - 146
2,4,6-Tribromophenol	88	32 - 138

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-41017

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 500-41017/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/27/2008 1950
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41349
Prep Batch: 500-41017
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 41017BS.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.41	85	60 - 110	
Acenaphthylene	1.67	1.53	92	61 - 110	
Anthracene	1.67	1.59	96	62 - 110	
Benzo[a]anthracene	1.67	1.58	95	60 - 117	
Benzo[a]pyrene	1.67	1.51	90	61 - 111	
Benzo[b]fluoranthene	1.67	1.52	91	56 - 118	
Benzo[g,h,i]perylene	1.67	1.37	82	61 - 113	
Benzo[k]fluoranthene	1.67	1.19	72	51 - 114	
Bis(2-chloroethoxy)methane	1.67	1.44	87	62 - 110	
Bis(2-chloroethyl)ether	1.67	1.43	86	51 - 110	
Bis(2-ethylhexyl) phthalate	1.67	1.49	90	57 - 120	
4-Bromophenyl phenyl ether	1.67	1.65	99	64 - 112	
Butyl benzyl phthalate	1.67	1.65	99	59 - 117	
Carbazole	1.67	1.71	103	63 - 110	
4-Chloroaniline	1.67	1.44	87	27 - 110	
4-Chloro-3-methylphenol	1.67	1.58	95	60 - 110	
2-Chloronaphthalene	1.67	1.46	87	44 - 116	
2-Chlorophenol	1.67	1.52	91	61 - 110	
4-Chlorophenyl phenyl ether	1.67	1.39	83	63 - 110	
Chrysene	1.67	1.81	108	56 - 117	
Dibenz(a,h)anthracene	1.67	1.42	85	37 - 124	
Dibenzofuran	1.67	1.51	91	63 - 110	
1,2-Dichlorobenzene	1.67	1.41	85	56 - 110	
1,3-Dichlorobenzene	1.67	1.34	80	54 - 110	
1,4-Dichlorobenzene	1.67	1.35	81	55 - 110	
3,3'-Dichlorobenzidine	1.67	1.48	89	33 - 110	
2,4-Dichlorophenol	1.67	1.56	94	63 - 110	
Diethyl phthalate	1.67	1.56	93	64 - 110	
2,4-Dimethylphenol	1.67	1.56	94	53 - 110	
Dimethyl phthalate	1.67	1.64	98	64 - 110	
Di-n-butyl phthalate	1.67	1.75	105	64 - 112	
4,6-Dinitro-2-methylphenol	1.67	1.25	75	20 - 112	
2,4-Dinitrophenol	1.67	1.05	63	10 - 121	
2,4-Dinitrotoluene	1.67	1.67	100	66 - 117	
2,6-Dinitrotoluene	1.67	1.71	102	67 - 112	
Di-n-octyl phthalate	1.67	1.46	88	56 - 116	
Fluoranthene	1.67	1.68	101	62 - 110	
Fluorene	1.67	1.36	81	63 - 110	
Hexachlorobenzene	1.67	1.57	94	61 - 118	
Hexachlorobutadiene	1.67	1.45	87	54 - 116	
Hexachlorocyclopentadiene	1.67	1.13	68	20 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-41017

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 500-41017/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/27/2008 1950
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41349
Prep Batch: 500-41017
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 41017BS.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachloroethane	1.67	1.37	82	53 - 110	
Indeno[1,2,3-cd]pyrene	1.67	1.44	86	58 - 110	
Isophorone	1.67	1.35	81	52 - 110	
2-Methylnaphthalene	1.67	1.42	85	34 - 122	
2-Methylphenol	1.67	1.44	86	58 - 110	
3 & 4 Methylphenol	1.67	1.52	91	57 - 110	
Naphthalene	1.67	1.32	79	57 - 110	
2-Nitroaniline	1.67	1.58	95	58 - 111	
3-Nitroaniline	1.67	1.49	89	39 - 112	
4-Nitroaniline	1.67	1.82	109	49 - 119	
Nitrobenzene	1.67	1.41	85	57 - 110	
2-Nitrophenol	1.67	1.50	90	60 - 110	
4-Nitrophenol	1.67	1.55	93	30 - 130	
N-Nitrosodi-n-propylamine	1.67	1.36	82	54 - 110	
N-Nitrosodiphenylamine	1.67	1.60	96	63 - 110	
2,2'-oxybis[1-chloropropane]	1.67	1.23	74	38 - 110	
Pentachlorophenol	1.67	1.37	82	26 - 114	
Phenanthrene	1.67	1.60	96	63 - 110	
Phenol	1.67	1.45	87	50 - 110	
Pyrene	1.67	1.64	98	56 - 121	
1,2,4-Trichlorobenzene	1.67	1.39	84	58 - 110	
2,4,5-Trichlorophenol	1.67	1.57	94	63 - 116	
2,4,6-Trichlorophenol	1.67	1.66	100	62 - 117	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	100	33 - 114
2-Fluorophenol	91	25 - 111
Nitrobenzene-d5	93	21 - 116
Phenol-d5	96	31 - 110
Terphenyl-d14	120	48 - 146
2,4,6-Tribromophenol	108	32 - 138

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-41017

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 500-12109-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/30/2008 2125
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41379
Prep Batch: 500-41017

Instrument ID: Agilent 6890N GC - 5973I
Lab File ID: 12109-27S.D
Initial Weight/Volume: 15.2180 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

MSD Lab Sample ID: 500-12109-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/30/2008 2146
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41379
Prep Batch: 500-41017

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 12109-27T.D
Initial Weight/Volume: 15.0625 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	75	81	60 - 110	8	30		
Acenaphthylene	78	88	61 - 110	13	30		
Anthracene	76	90	62 - 110	18	30		
Benzo[a]anthracene	84	103	60 - 117	17	30		
Benzo[a]pyrene	68	92	61 - 111	23	30		
Benzo[b]fluoranthene	71	89	56 - 118	18	30		
Benzo[g,h,i]perylene	65	83	61 - 113	20	30		
Benzo[k]fluoranthene	65	86	51 - 114	26	30		
Bis(2-chloroethoxy)methane	74	79	62 - 110	7	30		
Bis(2-chloroethyl)ether	72	73	51 - 110	4	30		
Bis(2-ethylhexyl) phthalate	87	99	57 - 120	11	30		
4-Bromophenyl phenyl ether	84	92	64 - 112	10	30		
Butyl benzyl phthalate	99	109	59 - 117	10	30		
Carbazole	80	99	63 - 110	22	30		
4-Chloroaniline	57	58	27 - 110	2	30		
4-Chloro-3-methylphenol	85	87	60 - 110	3	30		
2-Chloronaphthalene	76	86	44 - 116	13	30		
2-Chlorophenol	75	78	61 - 110	5	30		
4-Chlorophenyl phenyl ether	75	82	63 - 110	10	30		
Chrysene	95	105	56 - 117	8	30		
Dibenz(a,h)anthracene	70	89	37 - 124	23	30		
Dibenzofuran	78	87	63 - 110	13	30		
1,2-Dichlorobenzene	67	67	56 - 110	1	30		
1,3-Dichlorobenzene	62	61	54 - 110	1	30		
1,4-Dichlorobenzene	64	63	55 - 110	0	30		
3,3'-Dichlorobenzidine	30	43	33 - 110	36	30	F	F
2,4-Dichlorophenol	82	89	63 - 110	9	30		
Diethyl phthalate	82	90	64 - 110	10	30		
2,4-Dimethylphenol	79	85	53 - 110	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-41017

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 500-12109-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/30/2008 2125
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41379
Prep Batch: 500-41017

Instrument ID: Agilent 6890N GC - 5973I
Lab File ID: 12109-27S.D
Initial Weight/Volume: 15.2180 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

MSD Lab Sample ID: 500-12109-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/30/2008 2146
Date Prepared: 06/25/2008 0704

Analysis Batch: 500-41379
Prep Batch: 500-41017

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 12109-27T.D
Initial Weight/Volume: 15.0625 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1.0 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dimethyl phthalate	83	91	64 - 110	11	30		
Di-n-butyl phthalate	87	98	64 - 112	13	30		
4,6-Dinitro-2-methylphenol	52	55	20 - 112	8	30		
2,4-Dinitrophenol	47	56	10 - 121	18	30		
2,4-Dinitrotoluene	87	94	66 - 117	8	30		
2,6-Dinitrotoluene	87	94	67 - 112	9	30		
Di-n-octyl phthalate	82	95	56 - 116	16	30		
Fluoranthene	62	110	62 - 110	38	30		F
Fluorene	70	79	63 - 110	13	30		
Hexachlorobenzene	78	84	61 - 118	8	30		
Hexachlorobutadiene	73	77	54 - 116	5	30		
Hexachlorocyclopentadiene	1	0	20 - 110	NC	30	F	F
Hexachloroethane	62	57	53 - 110	7	30		
Indeno[1,2,3-cd]pyrene	67	83	58 - 110	19	30		
Isophorone	66	70	52 - 110	6	30		
2-Methylnaphthalene	75	78	34 - 122	5	30		
2-Methylphenol	73	73	58 - 110	1	30		
3 & 4 Methylphenol	89	92	57 - 110	3	30		
Naphthalene	68	72	57 - 110	7	30		
2-Nitroaniline	82	92	58 - 111	12	30		
3-Nitroaniline	81	86	39 - 112	6	30		
4-Nitroaniline	75	89	49 - 119	18	30		
Nitrobenzene	72	76	57 - 110	6	30		
2-Nitrophenol	75	79	60 - 110	7	30		
4-Nitrophenol	87	102	30 - 130	17	30		
N-Nitrosodi-n-propylamine	72	74	54 - 110	4	30		
N-Nitrosodiphenylamine	85	90	63 - 110	7	30		
2,2'-oxybis[1-chloropropane]	62	64	38 - 110	4	30		
Pentachlorophenol	65	79	26 - 114	21	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-41017

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	500-12109-27	Analysis Batch:	500-41379	Instrument ID:	Agilent 6890N GC - 5973I
Client Matrix:	Solid	Prep Batch:	500-41017	Lab File ID:	12109-27S.D
Dilution:	1.0			Initial Weight/Volume:	15.2180 g
Date Analyzed:	06/30/2008 2125			Final Weight/Volume:	0.5 mL
Date Prepared:	06/25/2008 0704			Injection Volume:	1.0 uL

MSD Lab Sample ID:	500-12109-27	Analysis Batch:	500-41379	Instrument ID:	Agilent 6890N GC - 5973N
Client Matrix:	Solid	Prep Batch:	500-41017	Lab File ID:	12109-27T.D
Dilution:	1.0			Initial Weight/Volume:	15.0625 g
Date Analyzed:	06/30/2008 2146			Final Weight/Volume:	0.5 mL
Date Prepared:	06/25/2008 0704			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	71	92	63 - 110	21	30		
Phenol	76	83	50 - 110	11	30		
Pyrene	80	111	56 - 121	22	30		
1,2,4-Trichlorobenzene	71	75	58 - 110	5	30		
2,4,5-Trichlorophenol	83	99	63 - 116	18	30		
2,4,6-Trichlorophenol	85	90	62 - 117	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	85	93	33 - 114
2-Fluorophenol	72	72	25 - 111
Nitrobenzene-d5	76	76	21 - 116
Phenol-d5	80	80	31 - 110
Terphenyl-d14	114	120	48 - 146
2,4,6-Tribromophenol	88	93	32 - 138

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40755

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 500-40755/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 0200
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41226
Prep Batch: 500-40755
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50626B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Antimony	<0.020		0.0042	0.020
Arsenic	<0.010		0.0028	0.010
Barium	0.00042	J	0.00027	0.010
Beryllium	<0.0040		0.00013	0.0040
Cadmium	<0.0020	^	0.00046	0.0020
Chromium	<0.010		0.0016	0.010
Cobalt	<0.0050		0.0011	0.0050
Copper	<0.010		0.00084	0.010
Lead	0.0027	J	0.0018	0.0050
Nickel	<0.010		0.0024	0.010
Selenium	<0.010		0.0042	0.010
Silver	<0.0050		0.0012	0.0050
Thallium	<0.010		0.0045	0.010
Tin	<0.020		0.0042	0.020
Vanadium	<0.0050		0.0012	0.0050
Zinc	0.0044	J	0.0025	0.020

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-40755

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 500-40755/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 0206
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41226
Prep Batch: 500-40755
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50626B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.500	0.436	87	80 - 120	
Arsenic	0.100	0.0814	81	80 - 120	
Barium	2.00	1.82	91	80 - 120	
Beryllium	0.0500	0.0435	87	80 - 120	
Cadmium	0.0500	0.0422	84	80 - 120	^
Chromium	0.200	0.179	89	80 - 120	
Cobalt	0.500	0.436	87	80 - 120	
Copper	0.250	0.232	93	80 - 120	
Lead	0.100	0.0876	88	80 - 120	
Nickel	0.500	0.433	87	80 - 120	
Selenium	0.100	0.0804	80	80 - 120	
Silver	0.0500	0.0431	86	80 - 120	
Thallium	0.100	0.0806	81	80 - 120	
Tin	1.00	0.898	90	80 - 120	
Vanadium	0.500	0.450	90	80 - 120	
Zinc	0.500	0.433	87	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-40755

Method: 6010B
Preparation: 3010A

MS Lab Sample ID: 500-12109-11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 0231
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41226
Prep Batch: 500-40755

Instrument ID: TJA ICAP 61E Trace
Lab File ID: P50626B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 500-12109-11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 0237
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41226
Prep Batch: 500-40755

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50626B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	56	51	75 - 125	8	20	F	F
Arsenic	31	21	75 - 125	5	20	F	F
Barium	82	74	75 - 125	7	20		F
Beryllium	83	76	75 - 125	9	20		
Chromium	72	62	75 - 125	7	20	F	F
Cobalt	75	68	75 - 125	8	20		F
Copper	-208	-232	75 - 125	3	20	4	4
Lead	-231	-256	75 - 125	3	20	4	4
Nickel	67	59	75 - 125	7	20	F	F
Selenium	78	70	75 - 125	9	20		F
Silver	88	81	75 - 125	8	20		
Thallium	76	70	75 - 125	7	20		F
Tin	77	70	75 - 125	8	20		F
Vanadium	82	74	75 - 125	8	20		F
Zinc	-29	-44	75 - 125	4	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-40755

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	500-12109-11	Analysis Batch:	500-41405	Instrument ID:	TJA ICAP 61E Trace
Client Matrix:	Water	Prep Batch:	500-40755	Lab File ID:	P40630B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/30/2008 2018			Final Weight/Volume:	50 mL
Date Prepared:	06/20/2008 0925				

MSD Lab Sample ID:	500-12109-11	Analysis Batch:	500-41405	Instrument ID:	TJA ICAP 61E Trace Analy
Client Matrix:	Water	Prep Batch:	500-40755	Lab File ID:	P40630B
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/30/2008 2025			Final Weight/Volume:	50 mL
Date Prepared:	06/20/2008 0925				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	78	72	75 - 125	6	20		F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40755

Method: 6010B
Preparation: 3010A

Lab Sample ID: 500-12109-11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/27/2008 0224
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41226
Prep Batch: 500-40755
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50626B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	0.016	J	0.0141	13	20	J
Arsenic	0.17		0.121	34	20	F
Barium	0.59		0.464	23	20	F
Beryllium	0.0035	J	0.00293	19	20	J
Chromium	0.13		0.101	27	20	F
Cobalt	0.10		0.0752	28	20	F
Copper	2.4		1.72	34	20	F
Lead	1.2		0.910	28	20	F
Nickel	0.27		0.209	27	20	F
Selenium	0.0091	J	0.00679	29	20	J
Silver	0.0026	J	0.00183	36	20	J
Thallium	0.0069	J	<0.010	NC	20	
Tin	0.13		0.0987	29	20	F
Vanadium	0.16		0.128	21	20	F
Zinc	2.2		1.67	26	20	F

Duplicate - Batch: 500-40755

Method: 6010B
Preparation: 3010A

Lab Sample ID: 500-12109-11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2008 2011
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41405
Prep Batch: 500-40755
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40630B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.0098	0.00723	30	20	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40832

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 500-40832/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 2325
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40900
Prep Batch: 500-40832
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40623B
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	0.50	J	0.29	2.0
Arsenic	<1.0		0.29	1.0
Barium	<1.0		0.032	1.0
Beryllium	<0.40		0.010	0.40
Cadmium	<0.20		0.033	0.20
Chromium	0.096	J	0.087	1.0
Cobalt	<0.50		0.073	0.50
Copper	<1.0		0.45	1.0
Lead	0.31	J	0.11	0.50
Nickel	<1.0		0.062	1.0
Silver	<0.50		0.10	0.50
Thallium	<1.0		0.33	1.0
Tin	1.3	J	0.34	2.0
Vanadium	<0.50		0.085	0.50
Zinc	0.26	J	0.18	2.0

Method Blank - Batch: 500-40832

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 500-40832/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/24/2008 1109
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40963
Prep Batch: 500-40832
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50624A
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Selenium	<1.0		0.38	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Lab Control Spike - Batch: 500-40832

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 500-40832/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 2332
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40900
Prep Batch: 500-40832
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40623B
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	42.8	86	80 - 120	
Arsenic	10.0	8.12	81	80 - 120	
Barium	200	182	91	80 - 120	
Beryllium	5.00	4.64	93	80 - 120	
Cadmium	5.00	4.64	93	80 - 120	
Chromium	20.0	18.8	94	80 - 120	
Cobalt	50.0	45.3	91	80 - 120	
Copper	25.0	23.2	93	80 - 120	
Lead	10.0	9.17	92	80 - 120	
Nickel	50.0	45.1	90	80 - 120	
Silver	5.00	4.51	90	80 - 120	
Thallium	10.0	8.46	85	80 - 120	
Tin	100	93.3	93	80 - 120	
Vanadium	50.0	46.7	93	80 - 120	
Zinc	50.0	45.6	91	80 - 120	

Lab Control Spike - Batch: 500-40832

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 500-40832/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/24/2008 1115
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40963
Prep Batch: 500-40832
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50624A
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	10.0	7.98	80	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-40832

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	500-12109-3	Analysis Batch:	500-40963	Instrument ID:	TJA ICAP 61E Trace
Client Matrix:	Solid	Prep Batch:	500-40832	Lab File ID:	P50624A
Dilution:	1.0			Initial Weight/Volume:	1.1088 g
Date Analyzed:	06/24/2008 1215			Final Weight/Volume:	100 mL
Date Prepared:	06/23/2008 0837				

MSD Lab Sample ID:	500-12109-3	Analysis Batch:	500-40963	Instrument ID:	TJA ICAP 61E Trace Analy
Client Matrix:	Solid	Prep Batch:	500-40832	Lab File ID:	P50624A
Dilution:	1.0			Initial Weight/Volume:	1.1386 g
Date Analyzed:	06/24/2008 1221			Final Weight/Volume:	100 mL
Date Prepared:	06/23/2008 0837				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Selenium	84	84	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-40832

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 500-12109-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/25/2008 0114
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40900
Prep Batch: 500-40832

Instrument ID: TJA ICAP 61E Trace
Lab File ID: P40623B
Initial Weight/Volume: 1.1088 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 500-12109-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/25/2008 0121
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40900
Prep Batch: 500-40832

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40623B
Initial Weight/Volume: 1.1386 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	72	72	75 - 125	3	20	F	F
Arsenic	84	79	75 - 125	6	20		
Barium	89	88	75 - 125	3	20		
Beryllium	85	86	75 - 125	2	20		
Cadmium	85	86	75 - 125	2	20		
Chromium	98	87	75 - 125	13	20		
Cobalt	86	85	75 - 125	3	20		
Copper	23	59	75 - 125	17	20	F	F
Lead	33	73	75 - 125	16	20	F	F
Nickel	86	85	75 - 125	4	20		
Silver	90	89	75 - 125	4	20		
Thallium	81	84	75 - 125	1	20		
Tin	80	86	75 - 125	4	20		
Vanadium	94	90	75 - 125	5	20		
Zinc	-119	75	75 - 125	49	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40832

Method: 6010B
Preparation: 3050B

Lab Sample ID: 500-12109-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/24/2008 1209
Date Prepared: 06/23/2008 0837

Analysis Batch: 500-40963
Prep Batch: 500-40832
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50624A
Initial Weight/Volume: 1.0833 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Selenium	<0.90	<0.94	NC	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Reporting Limit Check - Batch: 500-40900

Method: 6010B
Preparation: N/A

Lab Sample ID: MRL 500-40900/17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1834
Date Prepared: N/A

Analysis Batch: 500-40900
Prep Batch: N/A
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40623B
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.0200	0.0204	102	80 - 120	
Arsenic	0.0100	0.00816	82	80 - 120	J
Barium	0.0100	0.00949	95	80 - 120	J
Beryllium	0.00400	0.00415	104	80 - 120	
Cadmium	0.00200	0.00163	82	80 - 120	J
Chromium	0.0100	0.00992	99	80 - 120	J
Cobalt	0.00500	0.00460	92	80 - 120	J
Copper	0.0100	0.00709	71	80 - 120	J ^
Lead	0.00500	0.00570	114	80 - 120	
Nickel	0.0100	0.00999	100	80 - 120	J
Silver	0.00500	0.00459	92	80 - 120	J
Thallium	0.0100	0.0135	135	80 - 120	
Tin	0.0200	0.0187	94	80 - 120	J
Vanadium	0.00500	0.00513	103	80 - 120	
Zinc	0.0200	0.0209	104	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Reporting Limit Check - Batch: 500-41226

Method: 6010B
Preparation: N/A

Lab Sample ID: MRL 500-41226/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 2117
Date Prepared: N/A

Analysis Batch: 500-41226
Prep Batch: N/A
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50626B
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.0200	0.0201	101	80 - 120	
Arsenic	0.0100	0.00986	99	80 - 120	J
Barium	0.0100	0.00947	95	80 - 120	J
Beryllium	0.00400	0.00400	100	80 - 120	
Cadmium	0.00200	0.00185	92	80 - 120	J ^
Chromium	0.0100	0.00992	99	80 - 120	J
Cobalt	0.00500	0.00480	96	80 - 120	J
Copper	0.0100	0.00939	94	80 - 120	J
Lead	0.00500	0.00551	110	80 - 120	
Nickel	0.0100	0.00996	100	80 - 120	J
Selenium	0.0100	0.00911	91	80 - 120	J
Silver	0.00500	0.00498	100	80 - 120	J
Thallium	0.0100	0.0114	114	80 - 120	
Tin	0.0200	0.0179	89	80 - 120	J
Vanadium	0.00500	0.00462	92	80 - 120	J
Zinc	0.0200	0.0210	105	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-41233

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 500-41233/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 0601
Date Prepared: 06/27/2008 0816

Analysis Batch: 500-41421
Prep Batch: 500-41233
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50630C
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	<2.0		0.29	2.0
Arsenic	<1.0		0.29	1.0
Barium	0.11	J	0.032	1.0
Beryllium	<0.40		0.010	0.40
Chromium	0.14	J	0.087	1.0
Copper	0.57	J	0.45	1.0
Lead	<0.50		0.11	0.50
Nickel	0.41	J	0.062	1.0
Selenium	<1.0		0.38	1.0
Silver	<0.50		0.10	0.50
Thallium	<1.0		0.33	1.0
Tin	0.65	J	0.34	2.0

Lab Control Spike - Batch: 500-41233

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 500-41233/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 0607
Date Prepared: 06/27/2008 0816

Analysis Batch: 500-41421
Prep Batch: 500-41233
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50630C
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	46.4	93	80 - 120	
Arsenic	10.0	8.89	89	80 - 120	
Barium	200	193	96	80 - 120	
Beryllium	5.00	4.68	94	80 - 120	
Chromium	20.0	19.5	97	80 - 120	
Copper	25.0	24.7	99	80 - 120	
Lead	10.0	9.59	96	80 - 120	
Nickel	50.0	47.4	95	80 - 120	
Selenium	10.0	8.51	85	80 - 120	
Silver	5.00	4.74	95	80 - 120	
Thallium	10.0	8.63	86	80 - 120	
Tin	100	95.6	96	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-41233

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 500-12109-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 0644
Date Prepared: 06/27/2008 0816

Analysis Batch: 500-41421
Prep Batch: 500-41233

Instrument ID: TJA ICAP 61E Trace
Lab File ID: P50630C
Initial Weight/Volume: 1.1885 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 500-12109-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 0651
Date Prepared: 06/27/2008 0816

Analysis Batch: 500-41421
Prep Batch: 500-41233

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50630C
Initial Weight/Volume: 1.0258 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	82	83	75 - 125	15	20		
Arsenic	75	102	75 - 125	23	20		F
Barium	96	96	75 - 125	14	20		
Beryllium	94	93	75 - 125	13	20		
Chromium	103	102	75 - 125	10	20		
Copper	156	120	75 - 125	6	20	F	
Lead	-1	-83	75 - 125	28	20	F	F
Nickel	95	93	75 - 125	11	20		
Selenium	85	86	75 - 125	16	20		
Silver	95	94	75 - 125	13	20		
Thallium	84	85	75 - 125	16	20		
Tin	91	90	75 - 125	13	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-41233

Method: 6010B
Preparation: 3050B

Lab Sample ID: 500-12109-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 0638
Date Prepared: 06/27/2008 0816

Analysis Batch: 500-41421
Prep Batch: 500-41233
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50630C
Initial Weight/Volume: 1.1075 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	0.93	J	0.622	39	20	J
Arsenic	7.6		8.27	8	20	
Barium	6.5		7.32	12	20	
Beryllium	0.20	J	0.189	3	20	J
Chromium	6.9		8.12	16	20	
Copper	35		26.4	28	20	F
Lead	33		11.2	99	20	F
Nickel	7.5		7.44	0	20	
Selenium	<0.91		0.435	NC	20	J
Silver	<0.45		0.122	NC	20	J
Thallium	<0.91		<0.91	NC	20	
Tin	5.1		1.66	101	20	J F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-41414

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 500-41414/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 1712
Date Prepared: 07/01/2008 0902

Analysis Batch: 500-41510
Prep Batch: 500-41414
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40701B
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Cadmium	<0.20		0.033	0.20
Cobalt	<0.50		0.073	0.50
Vanadium	<0.50		0.085	0.50
Zinc	<2.0		0.18	2.0

Lab Control Spike - Batch: 500-41414

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 500-41414/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 1719
Date Prepared: 07/01/2008 0902

Analysis Batch: 500-41510
Prep Batch: 500-41414
Units: mg/Kg

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P40701B
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	5.00	4.89	98	80 - 120	
Cobalt	50.0	46.9	94	80 - 120	
Vanadium	50.0	48.4	97	80 - 120	
Zinc	50.0	47.2	94	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-41414

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	500-12109-10	Analysis Batch: 500-41510	Instrument ID: TJA ICAP 61E Trace
Client Matrix:	Solid	Prep Batch: 500-41414	Lab File ID: P40701B
Dilution:	1.0		Initial Weight/Volume: 1.0 g
Date Analyzed:	07/01/2008 1801		Final Weight/Volume: 100 mL
Date Prepared:	07/01/2008 0902		

MSD Lab Sample ID:	500-12109-10	Analysis Batch: 500-41510	Instrument ID: TJA ICAP 61E Trace Analy
Client Matrix:	Solid	Prep Batch: 500-41414	Lab File ID: P40701B
Dilution:	1.0		Initial Weight/Volume: 1.1306 g
Date Analyzed:	07/01/2008 1808		Final Weight/Volume: 100 mL
Date Prepared:	07/01/2008 0902		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	-1970	81	75 - 125	195	20	4	F
Cobalt	-606	86	75 - 125	196	20	4	F
Vanadium	-7260	113	75 - 125	196	20	4	F
Zinc	-42000	-19	75 - 125	195	20	4	4

Duplicate - Batch: 500-41414

Method: 6010B
Preparation: 3050B

Lab Sample ID:	500-12109-10	Analysis Batch: 500-41510	Instrument ID: TJA ICAP 61E Trace Analy
Client Matrix:	Solid	Prep Batch: 500-41414	Lab File ID: P40701B
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 1.0282 g
Date Analyzed:	07/01/2008 1754		Final Weight/Volume: 100 mL
Date Prepared:	07/01/2008 0902		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	1.0	0.437	82	20	F
Cobalt	3.5	3.33	5	20	
Vanadium	37	38.5	3	20	
Zinc	210	96.3	76	20	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Reporting Limit Check - Batch: 500-41421

Method: 6010B
Preparation: N/A

Lab Sample ID: MRL 500-41421/17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/01/2008 0250
Date Prepared: N/A

Analysis Batch: 500-41421
Prep Batch: N/A
Units: mg/L

Instrument ID: TJA ICAP 61E Trace Analy
Lab File ID: P50630C
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.0200	0.0219	110	80 - 120	
Arsenic	0.0100	0.00864	86	80 - 120	J
Barium	0.0100	0.00952	95	80 - 120	J
Beryllium	0.00400	0.00404	101	80 - 120	
Cadmium	0.00200	0.00215	108	80 - 120	
Chromium	0.0100	0.00996	100	80 - 120	J
Cobalt	0.00500	0.00505	101	80 - 120	^
Copper	0.0100	0.00907	91	80 - 120	J
Lead	0.00500	0.00437	87	80 - 120	J
Nickel	0.0100	0.0104	104	80 - 120	
Selenium	0.0100	0.00974	97	80 - 120	J
Silver	0.00500	0.00533	107	80 - 120	
Thallium	0.0100	0.0100	100	80 - 120	
Tin	0.0200	0.0179	89	80 - 120	J
Vanadium	0.00500	0.00545	109	80 - 120	^
Zinc	0.0200	0.0212	106	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40743

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 500-40743/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 2316
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41237
Prep Batch: 500-40743
Units: mg/L

Instrument ID: ThermoElectron ICP-MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Antimony	<0.0020		0.00046	0.0020
Thallium	<0.0020		0.00065	0.0020

Lab Control Spike - Batch: 500-40743

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 500-40743/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2008 2320
Date Prepared: 06/20/2008 0925

Analysis Batch: 500-41237
Prep Batch: 500-40743
Units: mg/L

Instrument ID: ThermoElectron ICP-MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.500	0.513	103	80 - 120	
Thallium	0.100	0.0958	96	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40749

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 500-40749/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/20/2008 1558
Date Prepared: 06/20/2008 1145

Analysis Batch: 500-40782
Prep Batch: 500-40749
Units: mg/L

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.00020		0.000065	0.00020

Lab Control Spike - Batch: 500-40749

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 500-40749/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/20/2008 1600
Date Prepared: 06/20/2008 1145

Analysis Batch: 500-40782
Prep Batch: 500-40749
Units: mg/L

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00200	0.00185	92	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40869

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 500-40869/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1445
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40869
Units: mg/Kg

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.017		0.0067	0.017

Lab Control Spike - Batch: 500-40869

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 500-40869/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1447
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40869
Units: mg/Kg

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.167	0.162	97	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-40869

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 500-12109-28
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1506
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40869

Instrument ID: Leeman Labs PS200 Mer
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 500-12109-28
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1508
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40869

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	92	104	75 - 125	8	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40869

Method: 7471A
Preparation: 7471A

Lab Sample ID: 500-12109-28
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1504
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40869
Units: mg/Kg

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.040	0.0399	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Method Blank - Batch: 500-40874

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 500-40874/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1525
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40874
Units: mg/Kg

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.017		0.0067	0.017

Lab Control Spike - Batch: 500-40874

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 500-40874/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1528
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40874
Units: mg/Kg

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.167	0.173	104	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-40874

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 500-12109-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1547
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40874

Instrument ID: Leeman Labs PS200 Mer
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 500-12109-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1550
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40874

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	100	104	75 - 125	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40874

Method: 7471A
Preparation: 7471A

Lab Sample ID: 500-12109-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 1545
Date Prepared: 06/23/2008 1230

Analysis Batch: 500-40884
Prep Batch: 500-40874
Units: mg/Kg

Instrument ID: Leeman Labs PS200 Mercu
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	<0.017	<0.017	NC	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40756

Method: 9040B
Preparation: N/A

Lab Sample ID: 500-12109-11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2008 1547
Date Prepared: N/A

Analysis Batch: 500-40756
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.56	7.560	0.000		

Duplicate - Batch: 500-40756

Method: 9040B
Preparation: N/A

Lab Sample ID: 500-12109-12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2008 1552
Date Prepared: N/A

Analysis Batch: 500-40756
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.68	7.700	0.260		

Duplicate - Batch: 500-40756

Method: 9040B
Preparation: N/A

Lab Sample ID: 500-12109-21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2008 1557
Date Prepared: N/A

Analysis Batch: 500-40756
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	9.01	9.040	0.332		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40756

Method: 9040B
Preparation: N/A

Lab Sample ID: 500-12109-22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2008 1602
Date Prepared: N/A

Analysis Batch: 500-40756
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.30	7.300	0.000		

Duplicate - Batch: 500-40756

Method: 9040B
Preparation: N/A

Lab Sample ID: 500-12109-23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2008 1607
Date Prepared: N/A

Analysis Batch: 500-40756
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	8.23	8.240	0.121		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Deigan & Associates

Job Number: 500-12109-1
Sdg Number: 500-12109-1

Duplicate - Batch: 500-40809

Method: PercentMoisture
Preparation: N/A

Lab Sample ID: 500-12109-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/23/2008 0056
Date Prepared: N/A

Analysis Batch: 500-40809
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	9.4	7.3	26		
Percent Solids	91	93	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sampler ID ______________

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica
2417 Bond Street
University Park, IL 60466
708.534.5200

TAL-4124-500 (1107)

Temperature on Receipt (3.9)(4.2)(4.0)

Drinking Water? Yes ☐ No ☐

Chain of Custody Record

500-12109

Client	DEIGAN + ASSOCIATES, LLC
Project Manager	GARY DEIGAN
Date	6-18-08
Chain of Custody Number	
Address	
Telephone Number (Area Code)/Fax Number	
Lab Number	mt
Page	1 of 3
City	WAUKEGAN
State	IL
Zip Code	60085
Site Contact	VanArlen
Lab Contact	WRIGHT
Project Name and Location (State)	LAKE SHORE FOUNDRY
Carrier/Waybill Number	
Contract/Purchase Order/Quote No.	

Matrix / Containers & Preservatives / Analysis (Attach list if more space is needed) / Special Instructions/Conditions of Receipt

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Appix Metals	pH	SVOC	VOC	Total Appix	Dissolved Appix	SVOCs	VOCs						Special Instructions/ Conditions of Receipt
1	LSF-SP-19-20 (0-6")	6-18-08	9AM				X		X							X	X												
2	LSF-SP-19-20 (6-24")	6-18-08	9AM				X		X							X													
3	LSF-B-N-01	6-18-08	9:30 AM				X									X	X												
4	LSF-B-N-02	↓					X									X													
5	LSF-B-N-03		9:20AM				X									X													
6	LSF-B-N-04						X									X													
7	LSF-B-N-05	↓	↓				X									X													
8	LSF-~~BSD~~ MB N-01-SED	6-18-08	952			X	~~X~~									X	X	X	X										
9	LSF-N-SED-02	6-18-08	10:02			X										X													
10	LSF-B-N-03 dup	6-18-08	920				X									X													
11	LSF-MW-01	6/18/08	9:15		X												X			X	X	X	X						
12	LSF-MW-02	6/18/08	10:30		X												X			X	X								

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ______

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature] / Deigan Assoc. LLC	6/18/08	4:30	1. Received By: [signature]	6/19/08	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica
2417 Bond Street
University Park, IL 60466
708.534.5200

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Chain of Custody Record

500-12109

07/02/2008

TAL-4124-500 (1107)

Client	Project Manager	Date	Chain of Custody Number
Deisan & Associates LLC	Gary Deisan	6.18.08	
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 3
City: Waukegan	State: IL	Zip Code: 60085	Site Contact: VanAlla	Lab Contact: Wright
Project Name and Location (State): Lake Shore Foundry	Carrier/Waybill Number	
Contract/Purchase Order/Quote No.		

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Appl X Metals	pH	Total Appl X Metals	Dissolved Appl X Metals	Special Instructions/ Conditions of Receipt
13	LSF-SB-01	6.18	1020				X							X				
14	LSF-S-B-02	6.18	1020				X							X	X			
15	LSF-S-B-03	6.18	1020				X							X				
16	LSF-S-B-04	6.18	1020				X							X				
17	LSF-S-B-05	6.18	1020				X							X				
18	LSF-S-B-05 dup	6.18	1020				X							X				
19	LSF-sed-S-01	6.18	1020			X								X	X			
20	LSF-sed-S-02	6.18	1020			X								X				
21	LSF-MW-03	6/18/08	12:45		X										X	X	X	
22	Exist. South Bkg. MW	6/18/08	11:00		X										X	X	X	
23	LSF-MW-04	6/18/08	3:50		X										X	X	X	

Page 139 of 141

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	[signature] / Deisan Assoc. LLC	6/18/08	4:30	[signature]	6/19/08	1500
2						
3						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica
2417 Bond Street
University Park, IL 60466
708.534.5200

TAL-4124-500 (1107)

Sampler ID ______

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☐

Chain of Custody Record

500-12109

Client: Deigan & Assoc. LLC	Project Manager: Greg Deigan	Date: 6/18/08	Chain of Custody Number
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 3
City: Waukegan / State: IL / Zip Code: 60085	Site Contact: VanAllen	Lab Contact: Wright	
Project Name and Location (State): Lake Shore Foundry	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Matrix: Air, Aqueous, Sed., Soil
Containers & Preservatives: Unpres., H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH
Analysis (Attach list if more space is needed): Appendix IX mtls; pH; VOCs; SVOCs

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Appendix IX mtls	pH	VOCs	SVOCs	Special Instructions/ Conditions of Receipt
24	SP-22 0-6"	6/18/08	2:30				X							X	X			
25	SP-22, 6"-2'		2:30				X							X	X			
26	SP-23, 0-6"		2:45				X							X		X	X	
27	SP-23, 6"-2'		2:45				X							X		X	X	
28	SP-19-16, 0-6"		3:20				X							X				
29	SP-19-16, 6"-2'		3:20				X							X				
30	Trip Blank															x		added by TA

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other______

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature] / Deigan & Assoc LLC	6/18/08	4:30	1. Received By: [signature]	6/19/08	1500
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Check List

Client: Deigan & Associates

Job Number: 500-12109-1
SDG Number: 500-12109-1

Login Number: 12109
List Source: TestAmerica Chicago
Creator: Lunt, Jeff T
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	3.9,4.2,4.0
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	