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June 15, 2012
File No. 04212030.06/.18

Mr. Mohsen Kourehdar, P.E.
Washington State Department of Ecology
Southwest Regional Office
Toxics Cleanup Program
300 Desmond Drive
Lacey, Washington 98503

Subject: First Quarter 2012 Progress Report for the Closed Leichner Brothers Landfill, Vancouver, Washington, Consent Decree 96-2-03081-7, Facility ID No. 1017

Dear Mr. Kourehdar:

This letter report presents the first quarter 2012 progress report for the closed Leichner Brothers Landfill (LBLF) located in Vancouver, Washington. SCS Engineers, Inc. (SCS) prepared this progress report on behalf of Clark County Environmental Services (County) and the Leichner Landfill Oversight Committee (LLOC), whose members include the City of Vancouver and Leichner Brothers Land Reclamation Corporation (LBLRC). The report is being submitted in accordance with reporting requirements specified in the July 1996 Consent Decree issued to the LBLRC by the Washington State Department of Ecology (Ecology).

Compliance monitoring of groundwater, surface water (i.e., stormwater), and landfill gas (LFG) is performed at LBLF to fulfill certain requirements of the 1996 Consent Decree and associated Cleanup Action Plan (CAP), as well as to concurrently fulfill the requirements of LBLF's post-closure monitoring under Minimum Functional Standards (MFS), Chapter 173-304 WAC. Compliance monitoring was performed in accordance with the methods and procedures described in the site's compliance monitoring plan (CMP; EMCON, 2005[1]), and subsequent modifications to the groundwater analytical program approved by Ecology in 2011 (referenced in this report where applicable).

The report (1) describes field activities performed during the first quarter 2012 at LBLF, (2) presents results of groundwater, stormwater, and LFG compliance monitoring, and the monitoring and maintenance of the facility's landfill gas collection and control system (GCCS), and (3) describes other pertinent, non-routine activities performed during the first quarter 2012. The GCCS includes a LFG extraction well field, condensate collection system, and a LFG blower and flare.

FIRST QUARTER 2012 MAJOR ACTIVITIES

The following major activities were performed during the first quarter 2012 period and are described in more detail in subsequent sections of this report.

[1] EMCON. 2005. Compliance Monitoring Plan, Leichner Landfill, Clark County, Washington. Prepared by EMCON/OWT, Inc., Portland, Oregon, for the Leichner Brothers Land Reclamation Corp. April.

- Conducted first quarter 2012 (annual) groundwater monitoring in March 2012.
- Conducted monthly stormwater inspections in January, February, and March 2012, and first quarter 2012 stormwater monitoring in March 2012.
- Conducted quarterly monitoring of the LFG compliance monitoring probes in January 2012.
- Conducted monitoring and balancing of the LFG extraction well field at least semimonthly (twice a month).
- Monitored and maintained the performance and operation of the GCCS.
- Performed weekly greenhouse gas (GHG) monitoring per the requirements of Washington State's GHG Reporting rule.

FIRST QUARTER 2012 PROJECT ACTIVITIES AND RESULTS

Project Management, Meetings, and Correspondence

Correspondence conducted during the first quarter 2012 period included the following:

- Submitted January, February, and March 2012 monthly updates to the County and the LLOC.
- Submitted the Fourth Quarter 2011 and Annual Report, dated February 28, 2012, to Ecology, the County, and the LLOC.[2]
- Conducted the fourth quarter 2011 meeting of the LLOC on January 10, 2012 (delayed due to scheduling conflicts).

First Quarter 2012 Groundwater Monitoring

Groundwater Monitoring Network and Schedule

The current groundwater monitoring network consists of 20 monitoring wells screened in the alluvium (alluvial water-bearing zone [WBZ]) or the Troutdale Formation aquifer. The monitoring well locations are shown in Figure 1. The following describes the monitoring network components.

- Wells used to monitor groundwater elevation and/or quality in the upper portion of the alluvium WBZ are denoted with an "S" in the well number (e.g., well LB-1S).

[2] SCS Engineers. 2012. Fourth Quarter 2011 and Annual Report, Closed Leichner Brothers Landfill, Vancouver, Washington, Consent Decree 96-2-03081-7, Facility ID No. 1017. Prepared by SCS, Portland, Oregon, for Clark County, Vancouver, Washington, February 28.

- Wells used to monitor groundwater elevation and/or quality in the middle (or intermediate) portion of the alluvium WBZ are denoted with an "I" in the well number (e.g., LB-27I).

- Wells used to monitor groundwater elevation and/or quality in the deeper Troutdale Formation aquifer are denoted with a "D" in the well number (e.g., well LB-1D).

The groundwater monitoring network wells are monitored annually or semiannually in accordance with the schedule specified in the 2005 CMP (EMCON, 2005[1]). During the annual event, typically performed during the first quarterly monitoring period in late winter-early spring (usually in March), groundwater samples are collected from the following 20 monitoring wells: LB-1S, LB-1D, LB-3S, LB-3D, LB-4SR, LB-4D, LB-5S, LB-5D, LB-6S, LB-10SR, LB-10DR, LB-13I, LB-13D, LB-17I, LB-17D, LB-20S, LB-26I, LB-26D, LB-27I, and LB-27D. During the semiannual monitoring event, typically performed during the third quarterly period in late summer-early fall (usually September), groundwater samples are collected from the following 7 monitoring wells: LB-1S, LB-5S, LB-6S, LB-10SR, LB-13I, LB-26I, and LB–27I.

The first quarter 2012 (annual) groundwater monitoring event was performed from March 12 through March 22, 2012.

Resurveying of Reference Elevations for Site Groundwater Monitoring Wells

As reported in the 2011 annual report[2], there was a discrepancy between the monitoring well top-of-casing (TOC) reference elevations provided in the event-specific groundwater elevation tables historically presented in the first and third quarter monitoring reports for LBLF and in the historical summary table included in the annual reports. The difference in reference elevations did not affect the overall interpretation of groundwater flow as presented in previous reports. Consistent with the recommendation in the 2011 annual report (see footnote 4 in the report[2]), TOC reference elevations were resurveyed in May 2012 so that consistent survey data can be used for data interpretation and future reporting. The surveying was performed by a state of Washington registered land surveyor (from Olsen Engineering) and the elevations were referenced to the Clark County vertical datum. The resurveyed reference elevations are provided in Table 1 and were used to calculate groundwater elevations based on first quarter 2012 groundwater levels measured in the site monitoring wells on March 12, 2012.

Sampling Procedures and Laboratory Methods

Before collecting groundwater samples, groundwater levels in all site monitoring wells were measured and recorded with an electronic water level meter.

Groundwater sampling of the semiannual groundwater monitoring network wells was performed (1) in general accordance with the procedures described in the 2005 CMP, and (2) using low-flow purge sampling procedures as described in SCS's July 14, 2011, letter to Ecology requesting approval to conduct low-flow purge sampling[3] (approved by Ecology on July 19, 2011). A non-

[3] SCS Engineers (SCS). 2011. Request for Approval to Use the Low-Flow Purge Method to Collect Groundwater Samples from Site Monitoring Wells at the Closed Leichner Brothers Landfill, Vancouver, Washington, Facility ID No. 1017. Prepared by SCS, Portland, Oregon, for Clark County, Vancouver, Washington, July 14.

dedicated, portable, stainless steel bladder pump (QED Sample Pro portable micropurge pump) was used to purge and sample the monitoring wells. A new, disposable, polyethylene bladder was used for each well. New, dedicated, polyethylene discharge tubing was used for each well that is kept inside the well casings for use during groundwater monitoring events.

The monitoring wells were purged at a pump rate less than or equal to 500 milliliters per minute (mL/min) using a flow controller to maintain a constant pump rate. During pumping, the water level in the wells was monitored to document that water level stabilization (i.e., less than 0.3 foot of drawdown over three successive measurements) was achieved. Before recording field water quality parameters, the approximate volume of the stagnant water in the discharge tubing was purged. A field-calibrated, water quality meter attached to a flow-through cell was used to measure pH, temperature, specific conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Field water quality parameters were recorded on a field sampling data sheet (FSDS) at the beginning of the purging process (after stagnant water within the discharge tubing was removed) and at approximately 0.1- to 0.25-gallon intervals (approximately 2 to 3 minute intervals) during purging. Purging continued until field parameters stabilized for three consecutive measurements to within ±0.2 units for pH, ±1° Celsius for temperature, 5 percent for specific conductance, and 10 percent for DO. There is no stabilization criteria established for ORP. Copies of the FSDSs are provided in Attachment 1. Table 2 summarizes the final field water-quality parameter measurements obtained for each well sampled.

The stainless steel bladder pump assembly was dismantled and decontaminated between sampling each well. The decontamination procedure consisted of (1) an initial scrub rinse with tap water, (2) a scrub wash with non-phosphatic detergent consisting of a dilute mixture of Liquinox (or equivalent) and tap water, and (3) a final rise with distilled water. Equipment decontamination liquids were placed in the onsite condensate holding tank for eventual offsite disposal.

Groundwater samples were collected directly from the discharge tubing after disconnecting it from the flow-through cell. The samples were stored and transported in coolers chilled with ice. Chain-of-custody (COC) documentation accompanied the samples during their storage and transport to the laboratory. The groundwater samples were submitted to TestAmerica Laboratories (TAL) in Beaverton, Oregon, for analyses of the following list of long-term monitoring parameters approved by Ecology and specified in the 2005 CMP: inorganic indicator parameters (nitrate [as nitrogen], total dissolved solids [TDS], chloride [Cl], dissolved iron [Fe], dissolved manganese [Mn]) and volatile organic compounds (VOCs).

The analytical test methods were consistent with those described in the 2005 CMP, except that a low-level procedure for VOCs analysis by U.S. Environmental Protection (EPA) Method 8260B was used to obtain method reporting limits (MRL) that meet the compliance level of 0.1 micrograms per liter (µg/L) for vinyl chloride (VC) and 1,1-dichloroethene (1,1-DCE), as

requested by Ecology.[4,5] The MRLs reported by TAL were 0.02 µg/L for VC and 0.1 µg/L for 1,1-DCE.

Quality Assurance and Quality Control Methods and Results

Field quality assurance/quality control (QA/QC) procedures used for the first quarter 2012 monitoring event included collecting and submitting for analyses two duplicate samples (samples LB-032212-20 and LB-032212-22 collected at wells LB-13I and LB-6S, respectively), one field blank sample (sample LB-031212-06), and one trip blank. Laboratory QA/QC procedures included analyzing surrogate spikes, method blanks, matrix spikes, and matrix spike duplicates. The laboratory QA/QC results are included with the laboratory analytical reports provided by TAL (see Attachment 2). TAL incorporated its laboratory data quality review comments in the QA/QC narrative of the laboratory reports. Copies of the laboratory analytical reports (along with copies of the COC forms) are provided in Attachment 2.

Field and laboratory QA/QC data were also reviewed by SCS to determine whether the data met EPA QC guidance criteria. The results of SCS's QA/QC reviews of the laboratory data and results are provided in Attachment 3. The QA/QC reviews indicated that the data were acceptable for their intended use.

First Quarter 2012 Groundwater Monitoring Results

The first quarter 2012 groundwater levels (based on resurveyed reference elevations) and corresponding groundwater elevations are summarized in Table 1. The groundwater elevations are consistent with historical groundwater elevation data. Groundwater potentiometric surface contour maps for the first quarter (March) 2012 monitoring event are provided in Figures 2 and 3 for the alluvial WBZ and Troutdale Formation aquifer, respectively. Consistent with previous interpretations, groundwater in the alluvial WBZ flows towards the west to southwest, and groundwater in the Troutdale Formation aquifer flows towards the south to southeast.

The field-measured water quality parameter concentrations in groundwater samples measured during purging were generally within the range of concentrations from the last five years (since 2007). Field parameter concentrations were within available regulatory or compliance levels, except for pH in groundwater samples from monitoring wells LB-3S, LB-3D, LB-4SR, LB-5S, LB-13D, and LB-26D. The pH concentrations in samples from these wells (from 6.2 to 6.4 standard units [S.U.]) were slightly below the lower regulatory limit of 6.5 S.U. (see Table 2). Historical pH measurements in samples from all of these wells have intermittently been below the regulatory limit, including at least once within the last 5 years (since 2007). The historical pH

[4] Washington Department of Ecology (Ecology). 2011. Letter (Re: Periodic Review Under Model Toxics Control Act (MTCA), Leichner Brothers Landfill), to Michael Davis, Clark County Public Works Department, Vancouver, Washington, from Mohsen Kourehdar, Ecology, Southwest Region Office. April 27.

[5] As described in Ecology's April 27, 2011, letter, if after two years of testing (beginning first quarter 2011), the analytical results show that VC and 1,1-DCE are not detected above a MRL of 0.1 µg/L, then the testing for these two VOCs can be discontinued.

values for these wells have previously been reported to Ecology and are likely reflective of naturally occurring groundwater conditions.

The first quarter 2012 laboratory analytical data are summarized in Table 3 for inorganic parameters (Cl, nitrate, and TDS) and dissolved metals (Fe and Mn), and in Table 4 for VOCs. The groundwater analytical results for inorganic parameters and dissolved metals are generally consistent with results obtained from the last five years of groundwater monitoring (since 2007). The concentrations of inorganic parameters and dissolved metals did not exceed compliance levels specified in the 1996 Consent Decree for LBLF, except for the following:

- The dissolved Fe concentration (6.8 milligrams per liter [mg/L]) in the sample from well LB-17I exceeded the compliance level of 0.3 mg/L.

- Dissolved Mn concentrations in samples from wells LB-17I (0.98 mg/L), LB-17D (4.6 mg/L), LB-20S (2.4 mg/L), and LB-27I (0.38 mg/L) exceeded the compliance level of 0.05 mg/L.

The dissolved Fe and Mn concentrations described above are consistent with historical results collected since 2007 and are likely attributed in part to natural groundwater conditions, as previously reported to Ecology. Historical data indicate that background levels for Fe and Mn exhibit natural variability and fluctuate above and below the compliance levels at several well locations, including upgradient well LB-4SR and crossgradient well LB-3S.

VOCs for which compliance levels have been established for LBLF (i.e., 1,4-dichlorobenzene, 1,1-DCE, tetrachloroethene, trichlorethene, and VC) were not detected in groundwater samples collected during the first quarter 2012 monitoring event, except for 1,4-dichlorobenzene (1,4-DCB). 1,4-DCB was detected in the sample from well MW-20S only at a concentration of 0.2 µg/L (equivalent to the MRL), well below the compliance level of 1.8 µg/L. 1,1-dichloroethane (1,1-DCA) was the only other VOC detected at a very low concentration of 0.12 µg/L in the sample from well LB-10DR, slightly above the MRL of 0.1 µg/L. The detected concentration for 1,1-DCA is well below the recently updated regional screening level (RSL) of 2.4 µg/L for the ingestion exposure pathway (EPA Region 9 RSLs, April 2012).[6]

Chloroform (0.34 µg/L), a common laboratory contaminant, was also detected slightly above the MRL of 0.1 µg/L in an equipment blank sample.

The first quarter 2012 VOC analytical data demonstrate that the post-closure, remedial action measures implemented at LBLF (i.e., maintenance of the engineered landfill cap, operation of the GCCS, and surface water controls) continue to be effective at maintaining VOC concentrations substantially below compliance levels.

[6] A screening level for 1,1-DCA is not available from Ecology under the Model Toxics Control Act (MTCA) regulations.

First Quarter 2012 Stormwater Monitoring

Quarterly compliance stormwater monitoring was performed during the first quarter 2012 on March 29, 2011, in accordance with LBLF's Industrial Stormwater General Permit, effective January 1, 2010. The stormwater sample was collected at Outfall 1 (see Figure 4) in accordance with the procedures described in LBLF's Stormwater Pollution Prevention Plan,[7] and was submitted to TAL for permit-required laboratory analyses. Analytical results of this stormwater sample indicated that water quality benchmarks specified in the LBLF's General Permit were not exceeded. A discharge monitoring report (DMR) summarizing the first quarter 2012 stormwater monitoring results were submitted to Ecology electronically via its web-based (on-line) WAWebDMR utility on May 8, 2012.

Consistent with requirements of LBLF's General Permit, monthly stormwater inspections were performed during the third quarter 2011 period on January 19, February 28, and March 13, 2012. No problems or concerns were noted during the monthly inspections.

First Quarter 2012 LFG System Monitoring and Results

Compliance LFG Migration Monitoring

The schedule for performing LFG monitoring of the perimeter, compliance LFG probes was modified from monthly to quarterly beginning in the third quarter 2011 period, as approved by Ecology.[4] The first quarter 2012 compliance LFG monitoring event was performed on January 9, 2012. Methane concentrations were below the MFS compliance level of 5 percent methane by volume in all LFG monitoring probes. A summary of the January 9, 2012, compliance LFG monitoring probe data is provided in Attachment 4. The LFG monitoring probe locations are shown in Figure 5.

LFG Extraction System

The LFG extraction wells (north and south LFG extraction wells; shown on Figure 4) were monitored and adjusted (balanced) at least semi-monthly (twice a month) during the first quarter 2012. There were no problems or concerns noted during the monitoring and adjustment of the LFG extraction wells.

Greenhouse Gas Monitoring

SCS submitted to the County/LLOC, Ecology, and CCPH a report dated June 29, 2011, presenting the results of a GHG applicability and emissions modeling study. The results of the study indicated that GHG emissions at the LBLF do not exceed the federal threshold limit for annual GHG emissions reporting; however, the emissions do exceed the threshold limit for the State of Washington, which requires GHG emissions reporting for calendar year 2012. As a result, the LFG flare system was monitored on a weekly basis during the first quarter 2012 period for criteria required for evaluating GHG emissions per the requirements of Washington State's GHG

[7] SCS Engineers (SCS). 2011. Stormwater Pollution Prevention Plan, Plan Date: May 2011, State of Washington, Industrial Stormwater General Permit, Permit Number: WAR005572B, Leichner Brothers Landfill. Prepared by SCS, Portland, Oregon, for Clark County, Vancouver, Washington, May.

Reporting rule. It should be noted that routine monitoring of the LFG flare system was also performed for optimizing the performance and efficiency of the LFG blowers and flare.

GCCS Operations and Maintenance

Routine operations, maintenance, and repair of the GCCS performed during the first quarter 2012 generally included the following:

- Routine checks and adjustments to the LFG flare system.
- Maintenance and repair (as needed) of the LFG extraction wells and piping.
- Maintenance and repair (as needed) of the LFG flare system, condensate collection system, including the condensate sumps, airlines, discharge lines, and compressors.
- Repair (as needed) of minor leaks in the GCCS conveyance lines due to loosely attached flex hoses or fittings.

Other non-routine maintenance and repair activities performed during each month of the first quarter 2012 are described below.

January 2012

- Tested refurbished pump controller and flow meter installed in condensate sump CS-S4.
- Repaired the flow meter conduit seal.
- Evaluated and repaired airline leaks in the GCCS piping to prevent temporary flare shut downs.
- Evaluated cost estimate from QED Environmental Systems to purchase controllerless pumps for the condensate sumps.
- Evaluated LFG Specialties (flare manufacturer) remote monitoring device (FT Connect) for potential use for LFG data telemetry system.
- Met with Nutter Corporation (contractor) and Clark County to evaluate repair of dirt access road to the South Detention Pond.

February 2012

- Repaired or replaced inlet piping and other appurtenances for the air compressor.
- Refilled the flare system propane tank and purchased a backup tank.
- Checked condensate tank levels.
- Repaired condensate sump CS-N2.
- Relabeled the flare station blowers.
- Minor repairs were made to the North Detention Pond pumps.

- Performed routine inspections and maintenance of the flare station blowers and air compressor (including adding oil to pumps and air compressor, and greasing the blowers).
- Made minor repairs to the main entrance gate.
- Successfully installed new QED controller-less pumps in condensate sumps CS-N4 and CS-N8, and incorporated the new pumps into the condensate removal system.
- Had road constructed (by Nutter Corp.) to provide access to the South Detention Pond pumping station to accommodate removal/repair of pump.
- Cleaned out the drain line from sedimentation basin to North Detention Pond to prevent overflow of storm water into the north field area.

March 2012

- Greased LFG blower No. 1 and rotated LFG blower operation.
- Drained the air compressor drain tank.
- Filled the flare ignition propane tank.
- Troubleshoot Yokogawa data output with technical support representative (flow data output was not being read).
- Replaced blown fuses at the North Detention Pond electrical box.
- Responded to a call from the County related to an alarm condition of the pumping system at the South Detention Basin. Coordinated and performed a site visit to observe water level conditions (observed to be normal) in the South Detention Basin and reset alarm.
- Removed and cleaned the flare tower's flame safeguard and combustion control system (manufactured by Fireye).
- Installed new ¼-inch airline valve on the air dryer effluent line.

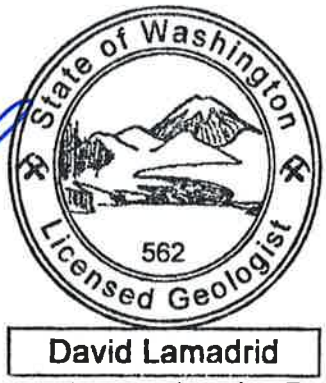
REPAIR/REPLACEMENT/RENOVATION ACTIVITIES

The following repair, replacement, and/or renovation activities were performed during the first quarter 2012:

- SCS met with Grundfos CBS on January 20, 2012, to evaluate and test the South Detention Pond pumping system due to high water accumulation in the basin. Subsequently, SCS coordinated with Grundfos CBS to remove and inspect for possible repair the primary South Detention Pond large capacity, 6-inch submersible pump that was not operating. SCS rented and operated a temporary diesel-powered trash pump to supplement the other two pumps during February and March 2012. Grundfos CBS repaired the pump and it was reinstalled on March 29, 2012.

If you have any questions or comments regarding this report, please contact Mr. Louis Caruso at (503) 639-9208 or by email at lcaruso@scsengineers.com.

Sincerely,



David Lamadrid, LG
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Attachments: Table 1 – Groundwater Elevation Data
Table 2 – Field Water Quality Parameters Measurements
Table 3 – Inorganic Parameters Concentrations
Table 4 – Volatile Organic Compounds Concentrations
Figure 1 – Groundwater Monitoring Locations
Figure 2 – Groundwater Potentiometric Surface Contours, Alluvial Water Bearing Zone (March 12, 2012)
Figure 3 – Groundwater Potentiometric Surface Contours, Troutdale Formation Aquifer (March 12, 2012)
Figure 4 – Site Map and Stormwater System
Figure 5 – Landfill Gas Probe and Extraction Well Locations
Attachment 1 – Field Sampling Data Sheets (FSDSs)
Attachment 2 – Groundwater Laboratory Analytical Reports
Attachment 3 – Results of Laboratory QA/QC Reviews
Attachment 4 – Quarterly Compliance LFG Monitoring Probe Data

cc: Mike Davis; Clark County Environmental Services
Gary Bickett and Melissa Sutton; Clark County Public Health
Brian Carlson; City of Vancouver
Steve Horenstein; Horenstein Law Group
Craig Leichner; LBLRC
SCS Leichner Project File

TABLES

Table 1
Groundwater Elevation Data
First Quarter (March) 2012
Leichner Brothers Landfill

Monitoring Well	Reference Elevation (Clark Co. Datum) [a]	Depth to Groundwater (feet, BTOC) [b]	Groundwater Elevation
LB-R2	222.27	44.05	178.22
LB-1S	210.12	32.17	177.95
LB-1D	209.74	34.16	175.58
LB-3S	218.25	37.51	180.74
LB-3D	219.29	38.50	180.79
LB-4S(R)	226.46	22.70	203.76
LB-4C	228.08	45.12	182.96
LB-4D	228.00	52.65	175.35
LB-5S	206.89	15.50	191.39
LB-5C	206.70	30.83	175.87
LB-5D	207.56	35.31	172.25
LB-6S	202.80	25.91	176.89
LB-9S(R)	217.94	33.82	184.12
LB-10SR	204.04	29.26	174.78
LB-10CR	203.05	28.20	174.85
LB-10DR	203.36	40.00	163.36
LB-13I	202.36	26.50	175.86
LB-13C	202.68	26.91	175.77
LB-13D	202.96	27.21	175.75
LB-17S	208.18	29.82	178.36
LB-17I	213.14	35.05	178.09
LB-17C	206.55	28.61	177.94
LB-17D	213.17	35.82	177.35
LB-20S	221.22	39.17	182.05
LB-21S	223.35	36.14	187.21
LB-21C	223.32	36.60	186.72
LB-21D	223.63	39.31	184.32
LB-22S	208.42	5.75	202.67
LB-23S	229.19	30.60	198.59
LB-24S	235.13	38.51	196.62
LB-26I	200.22	23.80	176.42
LB-26D	200.75	23.58	177.17
LB-27I	205.35	29.74	175.61
LB-27D	204.63	35.18	169.45
MW-1 N	216.58	Dry	NA
MW-1 S	216.13	36.55	179.58
MW-1 E	216.45	Dry	NA
MW-NE	220.06	13.30	206.76

Notes:

BTOC = below top of casing; NA = not applicable; NM = not measured

[a] Monitoring wells and piezometers were resurveyed May 30 and 31, 2012.

[b] Measured on March 12, 2012

Table 2
Field Water Quality Parameters Measurements
First Quarter (March) 2012
Leichner Brothers Landfill

Monitoring Well	Sample Blind ID	Sample Date	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (^{o}C)	ORP (mv)	Dissolved Oxygen (mg/L)
Regulatory Limit or Compliance Level			6.5 - 8.5 [a]	700 [b]	NA	NA	NA
LB-1S	LB-031312-14	3/12/2012	6.50	335	12.5	83.5	4.44
LB-1D	LB-031312-13	3/12/2012	6.67	249	11.5	84.5	7.55
LB-3S	LB-031312-10	3/13/2012	**6.44**	239	11.1	78.2	4.57
LB-3D	LB031312-09	3/13/2012	**6.48**	231	10.3	81.6	5.38
LB-4S(R)	LB-031312-12	3/13/2012	**6.24**	204	12.0	92.2	8.96
LB-4D	LB-031312-11	3/12/2012	7.33	211	10.9	75.6	4.89
LB-5S	LB-032212-17	3/22/2012	**6.16**	204	10.9	104.8	9.22
LB-5D	LB-031212-03	3/12/2012	6.60	363	11.4	67.0	0.33
LB-6S	LB-032212-23	3/22/2012	6.54	240	11.7	91.6	6.65
LB-10SR	LB-031312-08	3/13/2012	6.62	550	11.8	80.4	0.26
LB-10DR	LB-031312-07	3/13/2012	6.70	463	11.7	77.2	1.42
LB-13I	LB-032212-19	3/22/2012	6.58	255	11.7	87.2	2.40
LB-13D	LB-031212-01	3/12/2012	**6.27**	235	11.5	120.0	5.32
LB-17I	LB-031312-16	3/13/2012	6.85	414	12.9	-69.0	0.15
LB-17D	LB-131212-04	3/12/2012	6.68	388	13.1	45.2	0.20
LB-20S	LB-031312-15	3/13/2012	6.78	385	11.6	36.6	0.17
LB-26I	LB-032212-21	3/22/2012	6.57	274	11.5	89.8	4.96
LB-26D	LB-131212-05	3/12/2012	**6.39**	234	11.6	93.5	4.92
LB-27I	LB-032212-18	3/22/2012	6.82	643	11.7	88.2	0.32
LB-27D	LB-031212-02	3/12/2012	6.60	338	12.1	64.900	3.32

Notes:

S.U. = standard units

µS = microSiemens per centimeter (equivalent to micro mho per centimeter [µmho/cm])

^{o}C = degrees celsius

mV = millivolts

mg/L = milligrams per liter

Bold = concentration exceeds the regulatory limit or compliance level

[a] Regulatory limit specified inWashington Administrative Code, secondary maximum contaminant level (SMCL).

[b] Compliance level specified in the 1996 Consent Decree and accompanying Cleanup Action Plan.

Table 3
Inorganic Parameters and Dissolved Metals Concentrations
First Quarter (March) 2012
Leichner Brothers Landfill

Location Identification	Sample Blind ID	Unit Screened	Sample Date	Chloride (mg/L)	Nitrate as Nitrogen (mg/L)	Total Dissolved Solids (mg/L)	Iron (mg/L)	Manganese (mg/L)
Compliance Levels (mg/L) [a]				250	10	500	0.3	0.05
LB-1S	LB-031312-14	Alluvium	3/12/2012	5.2	6.0	210	0.025 U	0.0020 U
LB-1D	LB-031312-13	Troutdale	3/12/2012	7.4	6.0	190	0.025 U	0.0020 U
LB-3S	LB-031312-10	Troutdale	3/13/2012	3.7	3.8	170	0.025 U	0.0020 U
LB-3D	LB031312-09	Troudale	3/13/2012	4.1	4.6	180	0.025 U	0.0020 U
LB-4S(R)	LB-031312-12	Alluvium	3/13/2012	3.3	2.8	150	0.025 U	0.0020 U
LB-4D	LB-031312-11	Troutdale	3/12/2012	3.6	7.1	140	0.025 U	0.0020 U
LB-5S	LB-032212-17	Alluvium	3/22/2012	4.1	3.7	160	0.025 U	0.0020 U
LB-5D	LB-031212-03	Troutdale	3/12/2012	11	1.2	240	0.025 U	0.0020 U
LB-6S	LB-032212-23	Alluvium	3/22/2012	5.5	1.7	180	0.025 U	0.0020 U
LB-6S (Dup)	LB-032212-22	Alluvium	3/22/2012	5.6	1.7	180	0.025 U	0.0020 U
LB-10SR	LB-031312-08	Alluvium	3/13/2012	26	1.8	330	0.025 U	0.0023
LB-10DR	LB-031312-07	Troutdale	3/13/2012	20	1.8	280	0.025 U	0.0020 U
LB-13I	LB-032212-19	Alluvium	3/22/2012	6.1	4.1	200	0.025 U	0.0020 U
LB-13I (Dup)	LB-032212-20	Alluvium	3/22/2012	6.1	4.0	190	0.025 U	0.0020 U
LB-13D	LB-031212-01	Troutdale	3/12/2012	4.4	5.3	190	0.025 U	0.0020 U
LB-17I	LB-031312-16	Alluvium	3/13/2012	12	0.1 U	240	**6.8**	**0.98**
LB-17D	LB-131212-04	Troutdale	3/12/2012	19	0.1 U	230	0.12	**4.6**
LB-20S	LB-031312-15	Alluvium	3/13/2012	6.2	0.1 U	210	0.076	**2.4**
LB-26I	LB-032212-21	Alluvium	3/22/2012	8.4	4.8	200	0.037	0.0026
LB-26D	LB-131212-05	Troutdale	3/12/2012	4.8	5.9	190	0.025 U	0.0034
LB-27I	LB-032212-18	Alluvium	3/22/2012	23	0.2	370	0.025 U	**0.38**
LB-27D	LB-031212-02	Troutdale	3/12/2012	10	4.0	220	0.033	0.0054
Field Blank	LB-031212-06	NA	03/12/12	0.5 U	0.1 U	10 U	0.025 U	0.0020 U

Notes:
mg/L = milligrams per liter
Dup = duplicate sample
NA = not applicable
U = not detected at or above the laboratory method reporting limit indicated
Bold = concentration exceeds the compliance level

[a] Compliance levels specified in the 1996 Consent Decree and accompanying Cleanup Action Plan.

Table 4
Volatile Organic Compunds Concentrations
First Quarter (March) 2012
Leichner Brothers Landfill

Location Identification	Sample Blind ID	Unit Screened	Sample Date	1,1-Dichloroethene	1,4-Dichlorobenzene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compliance Level [a]				**0.1**	**1.8**	**5.0**	**5.0**	**0.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LB-1S	LB-031312-14	Alluvium	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-1D	LB-031312-13	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-3S	LB-031312-10	Troutdale	3/13/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-3D	LB031312-09	Troudale	3/13/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-4S(R)	LB-031312-12	Alluvium	3/13/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-4D	LB-031312-11	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-5S	LB-032212-17	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-5D	LB-031212-03	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-6S	LB-032212-23	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-6S (Dup)	LB-032212-22	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-10SR	LB-031312-08	Alluvium	3/13/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-10DR	LB-031312-07	Troutdale	3/13/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.12**	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-13I	LB-032212-19	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-13I (Dup)	LB-032212-20	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-13D	LB-031212-01	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-17I	LB-031312-16	Alluvium	3/13/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-17D	LB-131212-04	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-20S	LB-031312-15	Alluvium	3/13/2012	0.1 U	**0.2**	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-26I	LB-032212-21	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-26D	LB-131212-05	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-27I	LB-032212-18	Alluvium	3/22/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
LB-27D	LB-031212-02	Troutdale	3/12/2012	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
Equipment Blank	LB-031212-06	NA	03/12/12	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
Trip Blank	NA	NA	NA	0.1 U	0.2 U	0.1 U	0.1 U	0.02 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.4 U	0.2 U	0.2 U	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U

Notes:
ug/L = micrograms per liter
Dup = duplicate sample
NA = not applicable or compliance level is not available
U = not detected at or above the method reporting limit indicated
Bold = detected concentration

[a] Compliance level specified in the 1996 Consent Decree and accompanying Cleanup Action Plan.

Table 4
Volatile Organic Compunds Concentrations
First Quarter (March) 2012
Leichner Brothers Landfill

Location Identification	Sample Blind ID	Unit Screened	Sample Date	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromobenzene	Bromoform	Bromomethane	Carton disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compliance Level [a]				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LB-1S	LB-031312-14	Alluvium	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-1D	LB-031312-13	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-3S	LB-031312-10	Troutdale	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-3D	LB031312-09	Troudale	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-4S(R)	LB-031312-12	Alluvium	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-4D	LB-031312-11	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-5S	LB-032212-17	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-5D	LB-031212-03	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-6S	LB-032212-23	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-6S (Dup)	LB-032212-22	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-10SR	LB-031312-08	Alluvium	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-10DR	LB-031312-07	Troutdale	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-13I	LB-032212-19	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-13I (Dup)	LB-032212-20	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-13D	LB-031212-01	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-17I	LB-031312-16	Alluvium	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-17D	LB-131212-04	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-20S	LB-031312-15	Alluvium	3/13/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-26I	LB-032212-21	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-26D	LB-131212-05	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-27I	LB-032212-18	Alluvium	3/22/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-27D	LB-031212-02	Troutdale	3/12/2012	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Equipment Blank	LB-031212-06	NA	03/12/12	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	**0.34**	0.1 U	0.1 U	0.1 U	0.1 U
Trip Blank	NA	NA	NA	0.1 U	2.0 U	0.1 U	1.0 U	0.2 U	0.2 U	0.5 U	2.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Notes:
ug/L = micrograms per liter
Dup = duplicate sample
NA = not applicable or compliance level is not available
U = not detected at or above the method reporting limit indicated
Bold = detected concentration

[a] Compliance level specified in the 1996 Consent Decree and accompanying Cleanup Actio

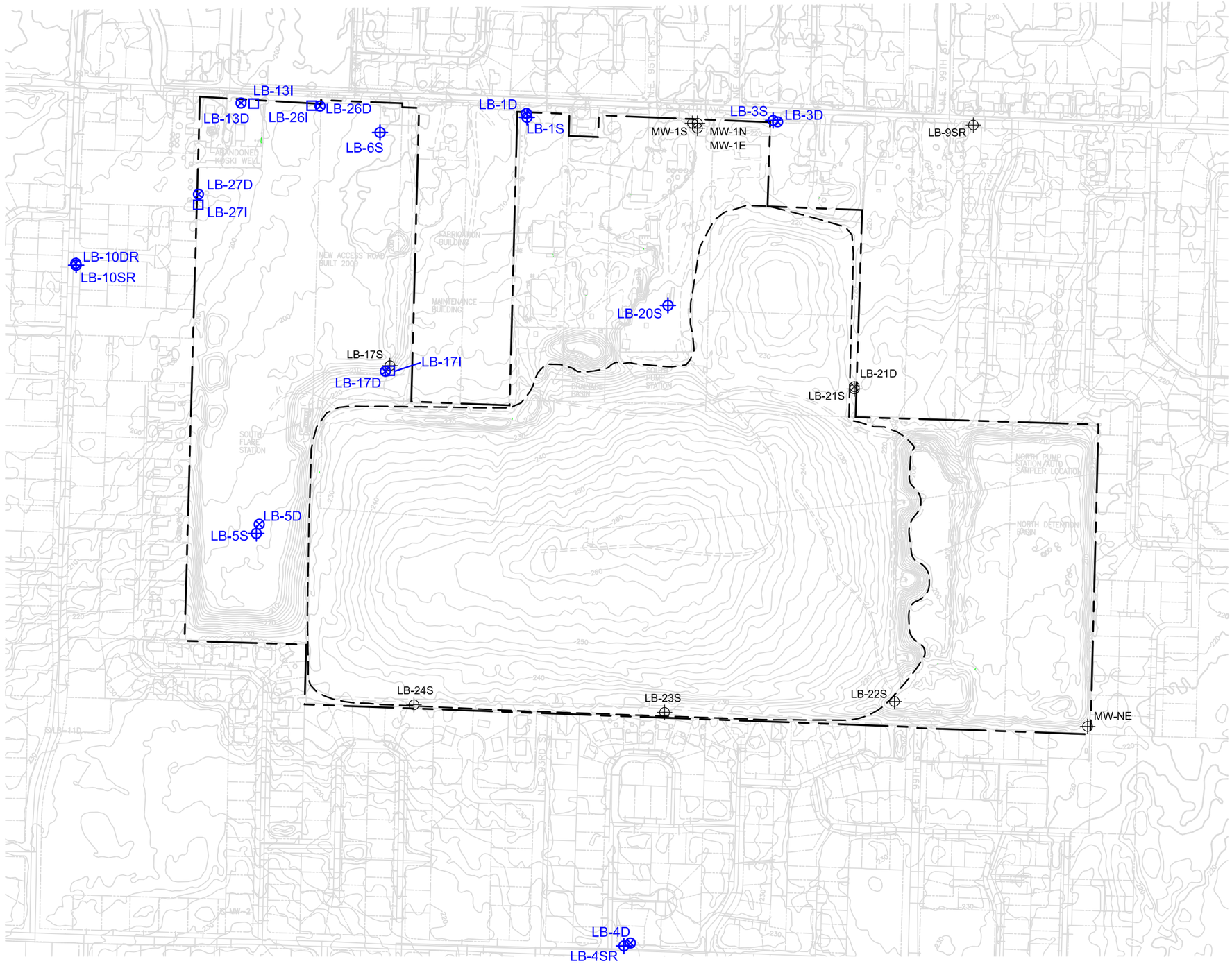
Table 4
Volatile Organic Compunds Concentrations
First Quarter (March) 2012
Leichner Brothers Landfill

Location Identification	Sample Blind ID	Unit Screened	Sample Date	Dichlorobromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	Methyl tert-butyl ether	Methylene chloride	m,p-Xylene (Sum of Isomers)	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichlorofluoromethane
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compliance Level [a]				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LB-1S	LB-031312-14	Alluvium	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-1D	LB-031312-13	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-3S	LB-031312-10	Troutdale	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-3D	LB031312-09	Troudale	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-4S(R)	LB-031312-12	Alluvium	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-4D	LB-031312-11	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-5S	LB-032212-17	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-5D	LB-031212-03	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-6S	LB-032212-23	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-6S (Dup)	LB-032212-22	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-10SR	LB-031312-08	Alluvium	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-10DR	LB-031312-07	Troutdale	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-13I	LB-032212-19	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-13I (Dup)	LB-032212-20	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-13D	LB-031212-01	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-17I	LB-031312-16	Alluvium	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-17D	LB-131212-04	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-20S	LB-031312-15	Alluvium	3/13/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-26I	LB-032212-21	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-26D	LB-131212-05	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-27I	LB-032212-18	Alluvium	3/22/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
LB-27D	LB-031212-02	Troutdale	3/12/2012	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Equipment Blank	LB-031212-06	NA	03/12/12	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trip Blank	NA	NA	NA	0.1 U	0.4 U	0.1 U	0.2 U	0.1 U	0.1 U	0.5 U	0.2 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Notes:
ug/L = micrograms per liter
Dup = duplicate sample
NA = not applicable or compliance level is not available
U = not detected at or above the method reporting limit indicated
Bold = detected concentration

[a] Compliance level specified in the 1996 Consent Decree and accompanying Cleanup Actio

FIGURES



LEGEND:

LB-5S ⊕	Monitoring Well Location, Alluvial Water–Bearing Zone
LB-5D ⊗	Monitoring Well Location, Troutdale Aquifer
LB-17I □	Monitoring Well Location, Middle of Alluvial Water–Bearing Zone
—— - - ——	Property Boundary
— — — — —	Limit of Landfill Cover and Approximate Edge of Waste

NOTES:

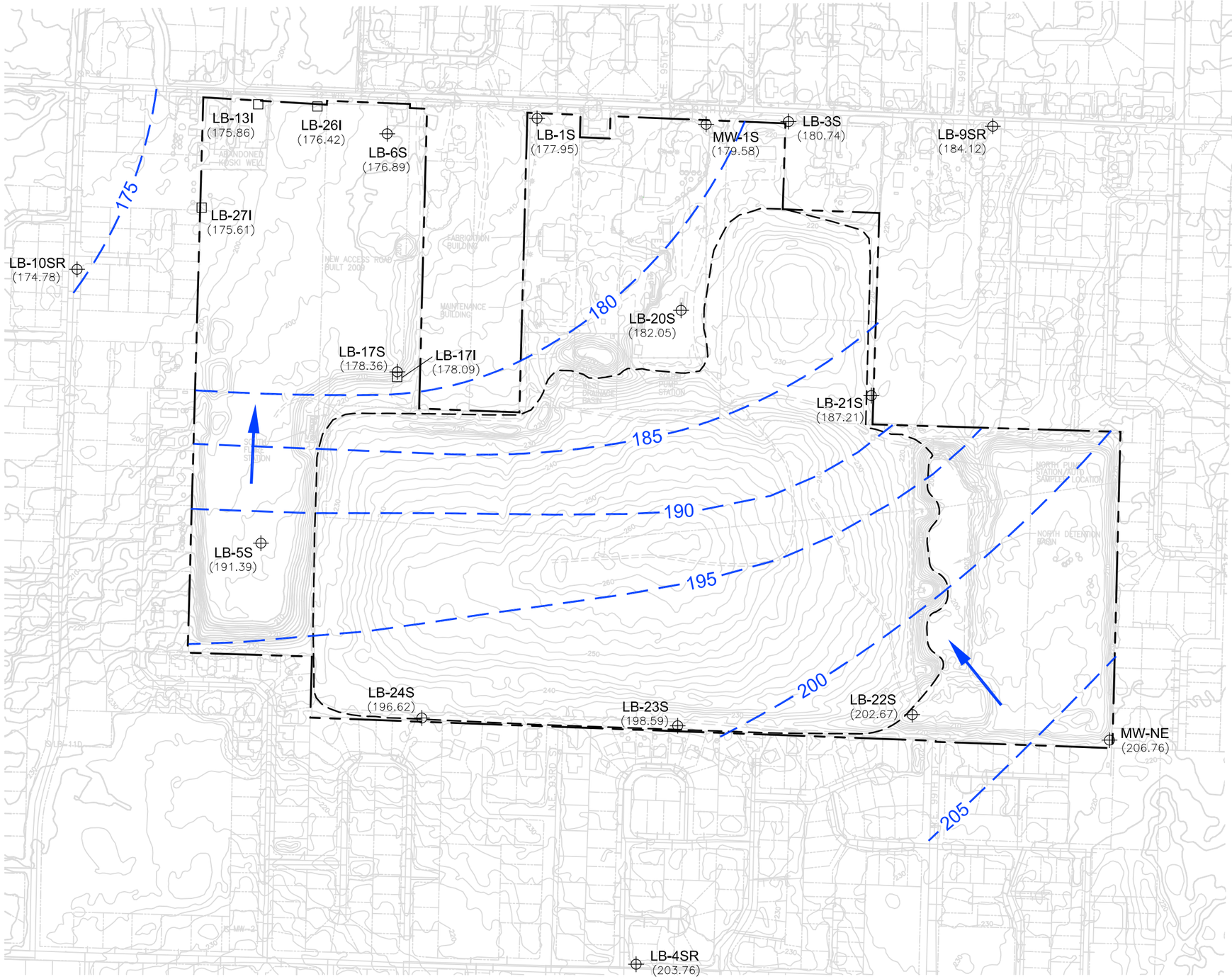
1. Monitoring wells designated by blue color are compliance monitoring wells.
2. Topography taken from Clark County GIS, December 2008.

SCALE

0 400 800 FEET

SCS ENGINEERS
Environmental Consultants and Contractors
14945 SW Sequoia Parkway, Suite 180
Portland, Oregon 97224
(503) 639-9201 FAX: (503) 684-6948

PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER MONITORING LOCATIONS	DATE MAY 2012
SCALE AS SHOWN	CHK BY D.L.	LEICHNER BROTHERS LANDFILL VANCOUVER, WASHINGTON	FIGURE 1
CAD FILE FIGURE 1	APP BY L.C.		



LEGEND:

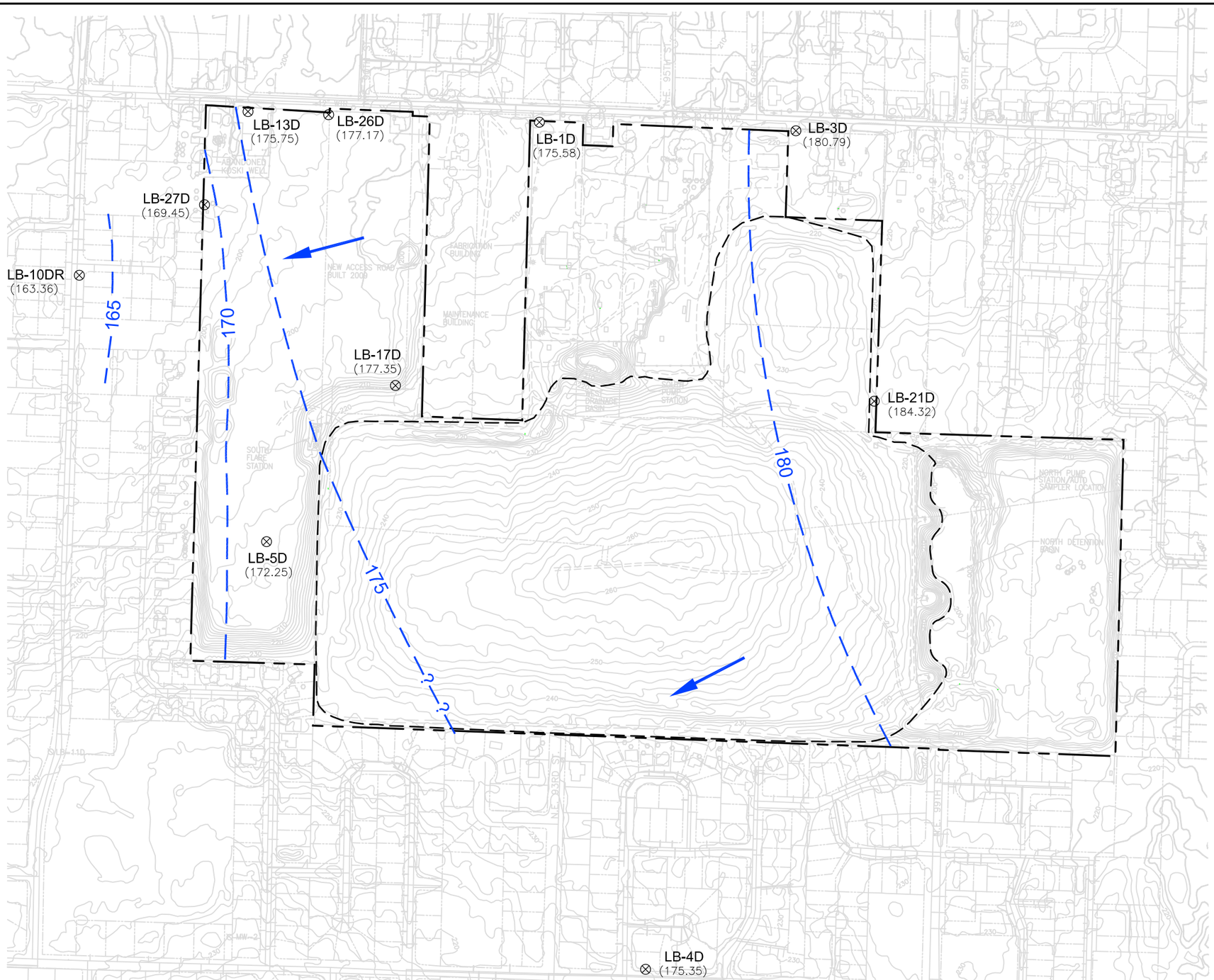
LB-5S ⊕	Monitoring Well Location, Alluvial Water–Bearing Zone
LB-17I □	Monitoring Well Location, Middle of Alluvial Water–Bearing Zone
— — —	Property Boundary
— — —	Limit of Landfill Cover and Approximate Edge of Waste
— —205— —	Groundwater Potentiometric Surface Contour
(206.76)	Groundwater Elevation Measured on March 12, 2012
→	Inferred Groundwater Flow Direction

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

SCS ENGINEERS
Environmental Consultants and Contractors
14945 SW Sequoia Parkway, Suite 180
Portland, Oregon 97224
(503) 639-9201 FAX: (503) 684-6948

PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS ALLUVIAL WATER BEARING ZONE MARCH 12, 2012 LEICHNER BROTHERS LANDFILL VANCOUVER, WASHINGTON	DATE MAY 2012
SCALE AS SHOWN	CHK BY D.L.		FIGURE 2
CAD FILE FIGURE 2	APP BY L.C.		



LEGEND:

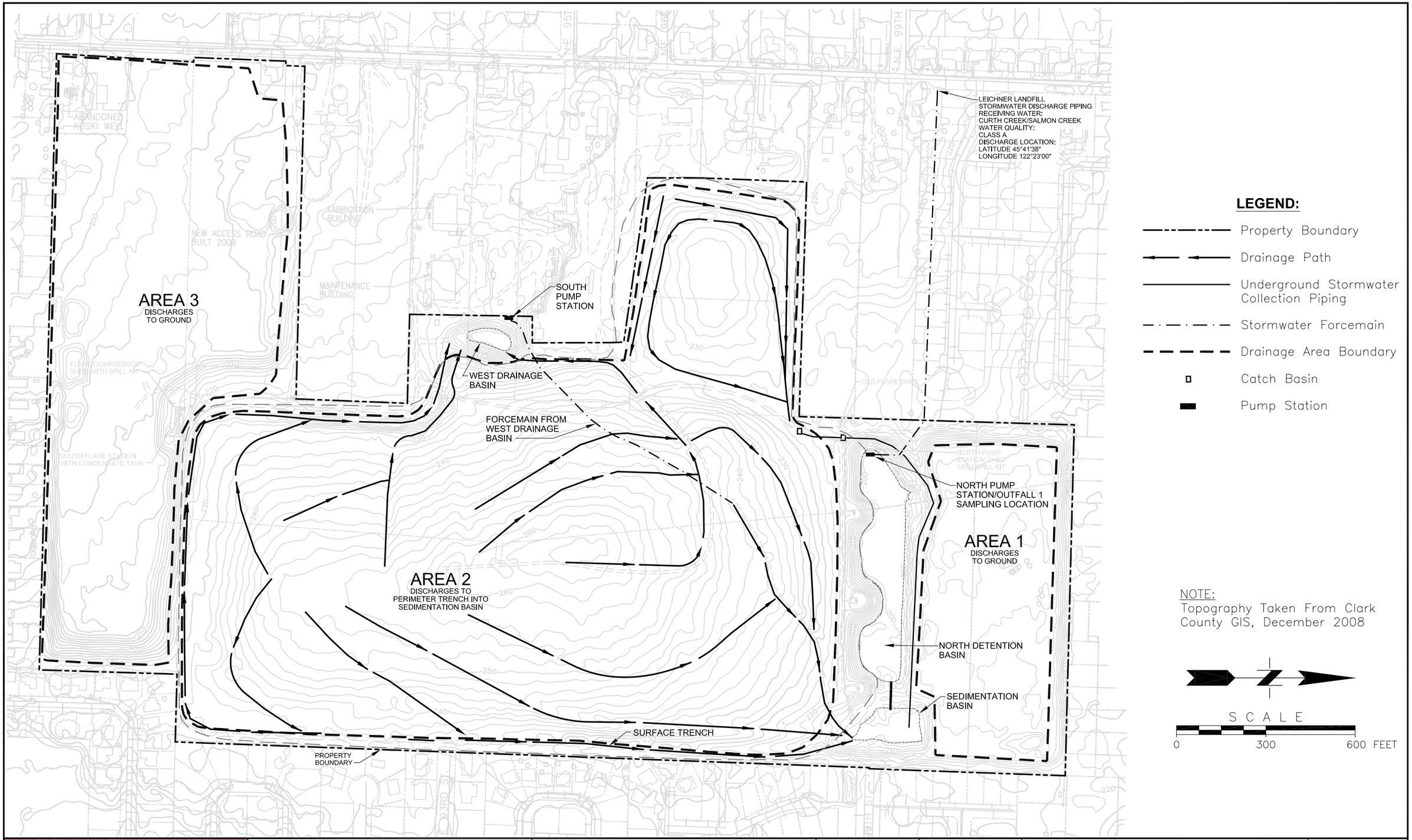
LB-5D ⊗	Monitoring Well Location, Troutdale Aquifer
— — — —	Property Boundary
— — — — —	Limit of Landfill Cover and Approximate Edge of Waste
— —180— —	Groundwater Potentiometric Surface Contour
(184.32)	Groundwater Elevation Measured on March 12, 2012
→	Inferred Groundwater Flow Direction

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

SCS ENGINEERS
Environmental Consultants and Contractors
14945 SW Sequoia Parkway, Suite 180
Portland, Oregon 97224
(503) 639-9201 FAX: (503) 684-6948

PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS TROUTDALE FORMATION AQUIFER MARCH 12, 2012 LEICHNER BROTHERS LANDFILL VANCOUVER, WASHINGTON	DATE MAY 2012
SCALE AS SHOWN	CHK BY D.L.		FIGURE 3
CAD FILE FIGURE 3	APP BY L.C.		



SCS ENGINEERS
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(503) 639-9201 FAX: (503) 684-6948

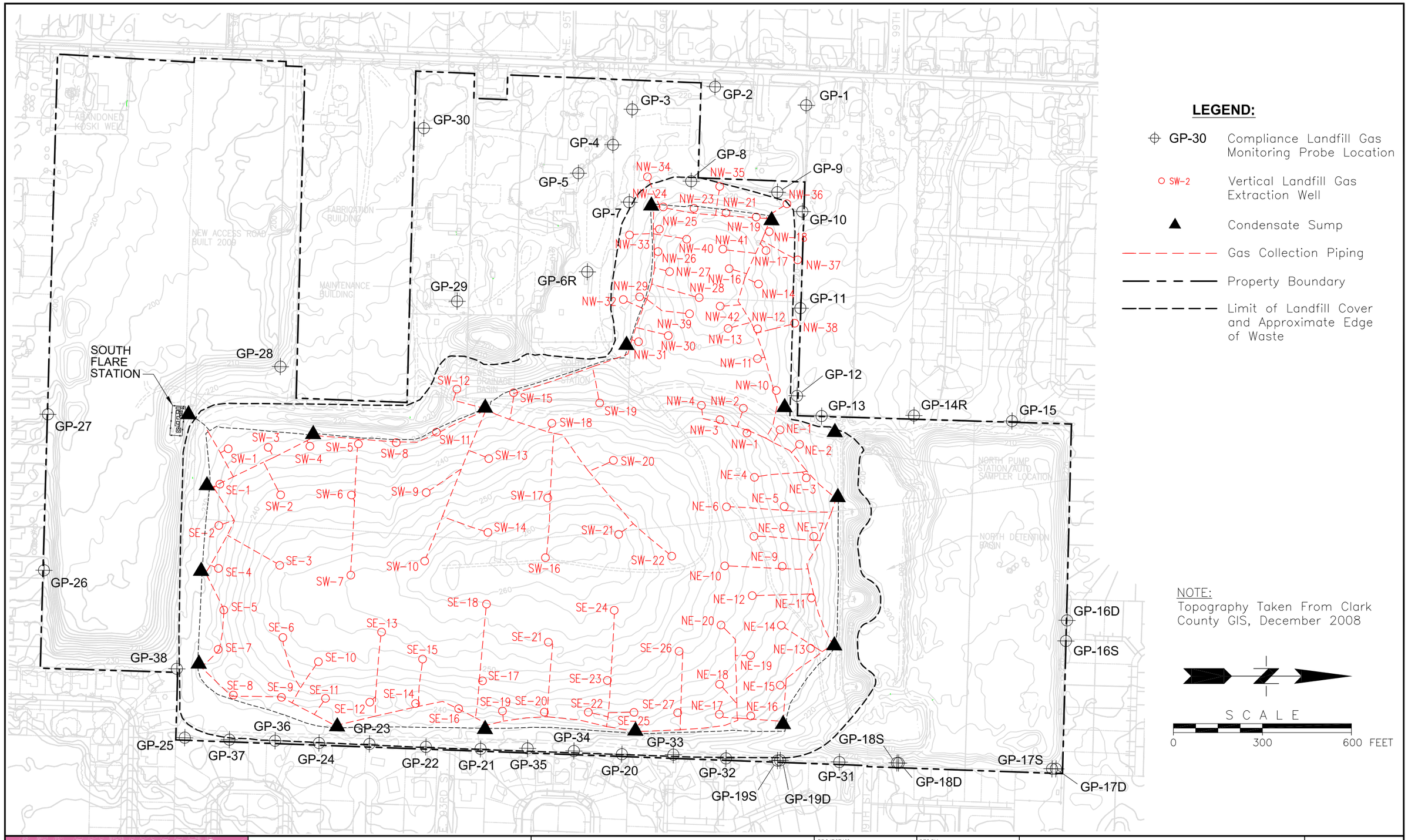
PROJECT NO.	04212030.06/.18
DES BY	D.L.
SCALE	AS SHOWN
CHK BY	J.D.
CAD FILE	FIGURE 4
APP BY	L.C.

SITE MAP AND STORMWATER SYSTEM

LEICHNER BROTHERS LANDFILL
VANCOUVER COUNTY, WASHINGTON

DATE: MAY 2012

FIGURE: 4



SCS ENGINEERS
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(503) 639-9201 FAX: (503) 684-6948

PROJECT NO. 04212030.06/.18	DES BY D.L.
SCALE AS SHOWN	CHK BY D.L.
CAD FILE FIGURE 5	APP BY L.C.

LANDFILL GAS PROBE AND EXTRACTION WELL LOCATIONS

LEICHNER BROTHERS LANDFILL
VANCOUVER, WASHINGTON

DATE MAY 2012

FIGURE 5

ATTACHMENT 1

Field Sampling Data Sheets
First Quarter 2012

Leichner Brothers Landfill
Groundwater Elevation Survey

Project #: 0421203O.01 /.17

Sampler: T Andrews

Quarter: (1) 2 3 4

Date: 3/12/12

Monitoring Point Designation	Reference Elevation (ft. msl)	DTB (ft. btoc)	DTW (ft. btoc)	Time	Comments
Monitoring Wells					
MW-1 N	216.52	15.00	DR	1540	
MW-1 S	216.07	44.50	36.55	1545	
MW-1 E	216.38	29.05	DR	1550	
MW-NE	219.8	50.34	13.30	1227	
LB-R2	219.09	77.36	14.05	1410	
LB-1S	210.11	45.00	32.17	1555	
LB-1D	209.71	137.45	34.16	1557	
LB-3S	219.19	52.50	37.51	1610	
LB-3D	219.27	117.28	38.50	1615	
LB-4SR	226.47	40.00	22.70	1670	
LB-4C	227.58	77.25	45.17	1645	
LB-4D	227.27	133.75	52.65	1650	
LB-5S	206.85	30.32	15.50	1315	
LB-5C	206.64	74.71	30.83	1313	
LB-5D	207.60	122.40	35.31	1251	
LB-6S	202.86	39.07	2591	1207	
LB-9SR	218.44	49.60	33.82	1535	
LB-10SR	202.96	42.35	29.26	1515	
LB-10CR	202.97	71.95	28.20	1512	
LB-10DR	203.24	121.10	40.00	1510	
LB-13I	202.30	55.03	26.50	1155	
LB-13C	202.63	66.00	26.91	1152	
LB-13D	202.90	88.88	27.21	1050	
LB-17S	207.92	34.38	29.82	1405	
LB-17I	213.20	51.95	35.05	1402	
LB-17C	214.10	72.35	29.61	1407	
LB-17D	213.11	100.91	35.51	1351	
LB-20S	221.22	61.50	29.17	1505	
LB-21S	223.43	54.24	36.14	1212	
LB-21C	223.38	79.10	36.60	1210	
LB-21D	223.69	110.73	39.31	1215	
LB-22S	208.46	36.97	5.75	1225	
LB-23S	229.27	45.40	30.60	1415	
LB-24S	235.21	54.16	38.51	1412	
LB-26I	200.17	58.30	23.80	1455	
LB-26D	200.70	101.78	23.58	1450	
LB-27I	205.28	57.15	29.74	1201	
LB-27D	204.61	115.10	35.18	1157	

Notes: Rain ~ 50°F Wind South @ 15 mph

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-15
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-14
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(°F) 45.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	13:55	45.00	.	32.17	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	3/13/12	14:15	A	3	(40 ml)	HCl	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	14:15	A	1	250, (500), 1L	None	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	14:15	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 13:55 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1358)	0.00	6.55	84.0	353	12.04	32.17	4.72	clear/colorless
1	A (1401)	0.5	6.50	84.0	348	12.21	32.17	4.58	clear/colorless
2	A (1404)	1.0	6.50	83.5	342	12.37	32.17	4.51	clear/colorless
3	A (1407)	1.5	6.50	83.6	339	12.35	32.17	4.49	clear/colorless
4	A (1410)	1.75	6.50	83.5	335	12.53	32.17	4.44	clear/colorless
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 400mL/min

SAMPLER: T Andrews (PRINTED NAME) Jon Andrews (SIGNATURE)

10/5 45psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-1D

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-13

DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(°F) 40 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	13:15	137.45	.	34.16	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/13/12	13:35	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	13:35	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	13:35	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 13 : 25 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	1326	0.00	6.75	90.2	248	11.60	34.14	7.43	
1	1329	0.4	6.71	86.7	249	11.58	34.14	7.51	
2	1332	0.8	6.68	84.5	249	11.49	34.14	7.53	
3	1335	1.25	6.67	84.5	249	11.49	34.14	7.55	Clear/colorless
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

8/7/90/400

Low Flow Purge Method ~ 400mL/min

SAMPLER: SAM ADLINGTON (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-35
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312.10
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		(Snow)	?	**TEMPERATURE:**	(°F) 38 .	° C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	10:20	52.50	.	37.51	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	3/13/12	10:40	A	3 (40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	10:40	A	1 250,(500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	10:40	A	1 (250) 500, 1L	(HNO3)	(YES)	(YES)		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 10:22 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1025)	0.00	6.49	81.6	234	10.50	37.51	5.27	10.95 NTU
1	A (1028)	0.50	6.41	73.0	239	11.02	37.51	4.62	clear/colorless
2	A (1031)	0.90	6.42	74.2	238	11.14	37.51	4.52	clear/colorless
3	A (1034)	1.20	6.43	76.0	239	11.14	37.51	4.59	Clear/colorless
4	A (1037)	1.50	6.44	78.2	239	11.10	37.51	4.57	clear/colorless
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 360 mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

8/7 40psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180, Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-30
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-09
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		Snow ?		**TEMPERATURE:**	(°F) 38 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2") = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/13/12	9:49	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	9:49	A	1	250 (500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	9:49	A	1	(250) 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low levels OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 09:37 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	0940	0.00	6.69	79.2	234	9.13	38.50	5.60	
1	0943	0.5	6.50	79.7	232	10.06	38.50	5.34	
2	0946	1.0	6.49	80.3	232	10.15	38.50	5.37	
3	0949	1.5	6.48	81.6	231	10.30	38.50	5.38	clear / colorless
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method — 8/7/75/300 — 300mL/min

SAMPLER: SAM ADLINGTON (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-45R
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB 051312-12
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN			?	**TEMPERATURE:**	°F 45 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	12:10	40.00	.	22.70	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	3/13/12	12:45	A	3 (40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	12:45	A	1 250,(500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	12:45	A	1 (250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [✓] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 12:19 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1222)	0.00	6.36	91.1	188	11.78	22.70	9.13	clear/colorless
1	A (1225)	0.5	6.27	90.8	194	11.84	22.70	9.22	clear/colorless
2	A (1228)	0.75	6.25	90.8	199	11.90	22.70	9.14	clear/colorless
3	A (1231)	1.0	6.25	90.8	199	11.93	22.70	8.86	clear/colorless
4	A (1234)	1.25	6.25	91.0	201	11.93	22.70	8.99	clear/colorless
5	A (1237)	1.50	6.23	91.8	204	12.01	22.70	8.98	clear/colorless
6	A (1240)	1.75	6.24	92.2	204	12.02	22.70	8.96	clear/colorless

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 400mL/min

SAMPLER: T Andrews (PRINTED NAME) T Andrews (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-40
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-11
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	°F 40 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
3/13/12	11:30	133.75	.	52.65	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	3/13/12	11:50	A	3	40 ml	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	11:50	A	1	250, 500, 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	11:50	A	1	250, 500, 1L	(HNO3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [A]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 11:31

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Pump/Bailer Inlet Depth: Diss O_2 (mg/l)	Water Quality
0	A (1139)	0.00	7.13	81.9	203	10.50	52.10	4.85	<10 NTU
1	A (1140)	0.75	7.26	77.2	209	10.77	52.90	4.92	clear/colorless
2	A (1143)	1.0	7.31	75.9	211	10.81	52.90	4.88	clear/colorless
3	A (1146)	1.25	7.32	75.8	212	10.78	52.90	4.83	clear/colorless
4	A (1149)	1.50	7.33	75.6	211	10.86	52.90	4.89	clear/colorless
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 350mL

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

7/8 80psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-55
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032212-17
DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(°F) 32 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product [Product Thickness]	DT-Water	DTP-DTW	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
3/22/12	9:30	30.32	.	15.11	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/22/12	9:55	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	9:55	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/22/12	9:55	A	1	(250, 500, 1L)	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 9:35 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (938)	0.00	5.97	108.1	194	10.60	15.11	9.74	clear/colorless
1	A (941)	0.5	6.09	106.3	200	10.89	15.11	9.51	clear/colorless
2	A (944)	0.75	6.12	105.5	200	10.88	15.11	9.41	clear/colorless
3	A (947)	1.0	6.15	105.0	200	10.88	15.11	9.49	clear/colorless
4	A (950)	1.25	6.15	105.2	203	10.90	15.11	9.18	clear/colorless
5	A (953)	1.5	6.15	105.0	204	10.89	15.11	9.19	clear/colorless
6	A (955)	1.7	6.16	104.8	204	10.88	15.11	9.22	clear/colorless

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 380mL/min

SAMPLER: T Andrews (PRINTED NAME) T Andrews (SIGNATURE)

8/7 20psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-5D
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-03121203
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	MEDIUM	(HEAVY)
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	(°F) 50.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/12/12	13:00	122.40	.	35.31	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/12/12	13:21	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/12/12	13:21	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/12/12	13:21	A	1	(250), 500, 1L	(HNO3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 3 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) low level OR [ ] WA [~~X~~]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 13:06 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1309)	0.00	6.61	59.6	353	11.13	35.34	2.27	
1	A (1312)	0.5	6.60	54.0	366	11.42	35.34	0.72	18.03 NTU
2	A (1315)	0.75	6.62	60.2	367	11.37	35.34	0.49	
3	A (1318)	1.0	6.63	64.7	364	11.38	35.34	0.37	
4	A (1321)	1.25	6.63	67.0	363	11.39	35.34	0.33	clear / colorless
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~350 ml/min
8 | 7 | 60 | 350

SAMPLER: Sam Adlington (PRINTED NAME) Tiffany Andrews (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Lejchner Brothers Landfill **WELL ID:** LB-65
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032212-23
DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN			?	**TEMPERATURE:**	(°F) 34 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
3/22/12	15:05	39.07	.	25.15	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	(2" = 0.163)	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/22/12	15:30	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	15:30	A	1	250 (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/22/12	15:30	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 15:09 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1512)	0.00	6.53	91.7	226	11.63	25.15	7.40	clear/colorless
1	A (1515)	0.3	6.54	91.0	233	11.63	25.15	6.97	clear/colorless
2	A (1518)	0.6	6.54	91.2	236	11.62	25.15	6.82	clear/colorless
3	A (1521)	0.9	6.54	91.4	237	11.64	25.15	6.71	clear/colorless
4	A (1524)	1.2	6.54	91.2	239	11.64	25.15	6.62	clear/colorless
5	A (1527)	1.5	6.54	91.6	240	11.65	25.15	6.65	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 330 mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

8/7 30psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** DUP2
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB 032212-22
DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	°F 34 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/22/12	14:00	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	14:00	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/22/12	14:00	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0		0.00	.			.	.	.	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected at LB-GS

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-105R
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-08
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY	CLOUDY		(RAIN)		?			TEMPERATURE:	(°F) 38 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
3/13/12	:	42.35	.	29.26	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	(2" =	0.163)	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√ [√ if used]
VOA Glass	3/13/12	09:00	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	09:00	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	09:00	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)		
VOA - Glass	((8260)) (8011) Low Level	OR [ ]	WA [X]
AMBER - Glass	(8080) (8150) (TOX)	OR [ ]	WA [ ]
WHITE - Poly	(pH) (Conductivity) ((TDS)) (TSS) (Alkalinity) (HCO_3/CO_3) ((Cl)) (SO_4) (Silica, T.) ((NO3))		
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)		
GREEN - Poly	(Cyanide)		
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)		
RED DISSOLVED - Poly	(Ca) ((Fe)) (Mg) ((Mn)) (K) (Na)		

WATER QUALITY DATA

Purge Start Time: 8:48 Pump/Bailer Inlet Depth:

Meas. [Casing]	Method § [Select A-G]	Purged (gal) [Cumulative Totals]	pH	ORP	E Cond (µS)	°F Temp (°C) [Circle units]	DTW	Diss O_2 (mg/l)	Water Quality [Clarity, Color]
0	0851	0.00	6.66	81.7	549	11.41	42.35	0.94	
1	0854	0.4	6.64	80.0	558	11.62	42.35	0.35	
2	0857	0.80	6.63	79.8	551	11.75	42.35	0.26	
3	0900	1.25	6.62	80.4	550	11.82	42.35	0.26	clear/colorless
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

Low Flow Purge Method 11/4/50/400

SAMPLER: SAMAOLINIGEON (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-10DR
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-07
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:** (°F) 37 . °C		

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW	[Water Column x Gal/ft] Volume (gal)
3/13/12	7:50	121.10	.	40.00	.	.	X 1 .
/ /	:	.	.	.	.		X 3 .

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/13/12	8:07	A	3 40 ml	HCl	(YES)	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	8:27	A	1 250 (500) 1L	None	YES	NO	NA	
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	8:27	A	1 (250) 500, 1L	HNO_3	YES	YES		
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low level OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 4:04 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	0809	0.00	6.60	133.4	411	11 .73	40.02	2 .49	
1	0812	0.3	6.67	89.8	413	11 .82	40.03	2 .15	64.60 NTU
2	0815	0.6	6.70	81.2	427	11 .49	40.02	1 .82	
3	0818	0.9	6.70	78.4	440	11 .90	40.02	1 .66	
4	0821	1.2	6.70	78.2	450	11 .87	40.02	1 .54	
5	0824	1.5	6.70	77.7	459	11 .77	40.02	1 .40	
6	0827	1.8	6.70	77.2	463	11 .70	40.02	1 .42	clear/colorless

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method
9/7/80/320

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224

Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-13I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-0322 12-19

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN			?	**TEMPERATURE:**	(°F) 34 .	° C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product [Product Thickness]	DT-Water	DTP-DTW	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
3/22/12	12:45	55.03	.	25.70	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/22/12	13:15	A	3	(40 ml)	(HCl)	(YES)	(NO)		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	13:15	A	1	250, (500), 1L	(None)	(YES)	(NO)	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/22/12	13:15	A	1	(250), 500, 1L	(HNO3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 12:56 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1259)	0.00	6.75	88.3	258	11.38	25.70	3.06	clear/colorless
1	A (1302)	0.4	6.66	88.2	255	11.59	25.70	2.67	clear/colorless
2	A (1305)	0.65	6.59	87.5	254	11.63	25.70	2.40	clear/colorless
3	A (1308)	0.85	6.59	87.4	255	11.65	25.70	2.41	clear/colorless
4	A (1311)	1.0	6.58	87.2	255	11.65	25.70	2.40	clear/colorless
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method - 300mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

8:17 35psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** DUP1

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032212-DO

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:** °F 59 . °C		

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	3/22/12	12:00	A	3	40 ml HCl	YES	NO		✓
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	12:00	A	1	250, 500, 1L None	YES	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	3/22/12	12:00	A	1	250, 500, 1L HNO_3	YES	YES		✓
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0		0.00	.			.	.	.	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected at LB-BI

SAMPLER: TAndrews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180, Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-13D
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031212-01
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	(F) 52 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
3/12/12	10:50	88.88	.	27.21	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/12/12	11:20	A	3 (40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/12/12	11:20	A	1 250 (500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/12/12	11:20	A	1 (250) 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA HT
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 11:00 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1103)	0.00	6.21	140.0	238	11.22	27.21	5.22	clear/colorless
1	A(1110)	0.75	6.24	137.1	236	11.43	27.21	4.85	clear/colorless
2	A(1113)	1.25	6.25	121.2	236	11.41	27.21	5.33	317 NTU
3	A(1116)	1.5	6.27	120.4	236	11.43	27.21	5.29	clear/colorless
4	A(1119)	1.75	6.27	120.0	235	11.45	27.21	5.32	clear/colorless
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 400mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

817/Cops:

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB- 17I
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-16
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(F) 38.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	15:20	51.95	.	35.07	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	3/13/12	15:44	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	15:45	A	1	250 (500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	15:48	A	1	(250) 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low level OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 15:30 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1533)	0.00	6.78	-93.2	399	12.46	35.07	0.91	clear/colorless
1	A (1536)	0.25	6.83	-62.3	413	12.72	35.07	0.26	clear/colorless
2	A (1539)	0.5	6.83	-63.3	414	12.70	35.07	0.22	clear/colorless
3	A (1542)	0.75	6.84	-66.6	414	12.82	35.07	0.18	clear/colorless
4	A (1545)	1.0	6.84	-68.4	414	12.87	35.07	0.19	clear/colorless
5	A (1548)	1.25	6.85	-69.0	414	12.91	35.07	0.15	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~360mL/min

SAMPLER: T Andrews (PRINTED NAME) T Andrews (SIGNATURE)

8/7 40psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-170
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031212-04
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	(°F 50 .	°C)

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/12/12	13:51	100.91	.	35.82	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/12/12	14:11	A	3	(40 ml)	(HCl)	YES	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/12/12	14:11	A	1	250 (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/12/12	14:11	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — Total Bottles (include duplicate count): 5

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 13:56 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0		0.00	6.62	55.7	361	12.75	35.84	1.01	
1		0.4	6.65	50.9	381	12.98	35.84	0.49	
2		0.8	6.66	49.1	386	13.07	35.84	0.35	
3		1.2	6.67	46.6	388	13.15	35.84	0.26	
4		1.6	6.68	45.2	388	13.12	35.84	0.20	clear / colorless
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~350 mL/min

SAMPLER: Sam Adlington (PRINTED NAME) (SIGNATURE)
T. Andrews

8/7/16psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-20S
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031312-15
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN			?	**TEMPERATURE:**	(54.5)	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/13/12	14:30	61.50	.	39.17	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	3/13/12	15:00	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/13/12	15:00	A	1	250 (500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/13/12	15:00	A	1	(250) 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 14:37

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Pump/Bailer Inlet Depth: Diss O_2 (mg/l)	Water Quality
0	A (1442)	0.00	6.77	36.7	394	11.69	39.17	0.39	orange / turb. d
1	A (1443)	0.75	6.77	35.5	395	11.72	39.17	0.28	orange / less turb.d
2	A (1448)	1.0	6.78	31.2	394	11.55	39.17	0.22	pale orange
3	A (1451)	1.25	6.78	31.4	389	11.54	39.17	0.20	
4	A (1454)	1.50	6.78	32.5	387	11.54	39.17	0.19	clear/colorless
5	A (1457)	1.75	6.78	36.6	385	11.57	39.17	0.17	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 400mL/min

SAMPLER: T Andrews (PRINTED NAME) T Andrews (SIGNATURE)

8/7 55psi

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-36I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032212-21

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN			?	**TEMPERATURE:**	(°F) 35 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW	[Water Column x Gal/ft]	Volume (gal)
3/22/12	13:40	54.30	.	23.07	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/22/12	14:05	A	3	(40 mL)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	14:05	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/22/12	14:05	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L	.	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 13:41 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1344)	0.00	6.71	92.0	268	11.21	23.07	5.99	clear/colorless
1	A (1347)	0.3	6.57	89.9	272	11.51	23.07	5.17	clear/colorless
2	A (1350)	0.6	6.57	89.6	272	11.50	23.07	5.04	clear/colorless
3	A (1353)	0.9	6.57	89.5	273	11.50	23.07	4.97	clear/colorless
4	A (1356)	1.2	6.57	89.9	274	11.51	23.07	4.95	clear/colorless
5	A (1354)	1.5	6.57	89.8	274	11.53	23.07	4.96	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 350mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

8/7 40ps:

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-26D
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031212-05
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	°F 50.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/12/12	14:50	101.78	.	23.58	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount	Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/12/12	15:06	A	3	(40 ml)	HCl	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/12/12	15:06	A	1	250 (500) 1L	None	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/12/12	15:06	A	1	(250) 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA ~~[ ]~~
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 14:54 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1447)	0.00	6.58	77.7	233	11.52	23.48	5.10	
1	A (1503)	0.4	6.43	87.2	230	11.58	23.78	5.00	
2	A (1503)	0.8	6.40	91.0	232	12.58	23.98	4.99	
3	A (1503)	1.2	6.36	93.5	234	11.58	24.01	4.92	clear/colorless
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

8/7/60 1400
Low Flow Purge Method 400mL/min

SAMPLER: Sara Anderson
(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** FB1
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031212-DC
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	°F 50 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | 2" = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	3/12/12	14:40	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/12/12	14:40	A	1	250, (500) 1L	None	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/12/12	14:40	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low level OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0		0.00	.			.	.	.	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected near LB-26D

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE) T Andrews

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-27I
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032212-18
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(F) 33 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/22/12	10:15	57.15	28.95	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/22/12	10:50	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/22/12	10:50	A	1	250, (500), 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/22/12	10:50	A	1	(250), 500, 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 10:25 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1028)	0.00	6.87	109.6	556	9.53	28.95	5.82	clear/colorless
1	A (1031)	0.4	6.81	92.0	626	11.39	28.95	0.91	clear/colorless
2	A (1034)	0.8	6.91	90.8	634	11.55	28.95	0.50	clear/colorless
3	A (1037)	1.2	6.81	89.5	640	11.64	28.95	0.39	clear/colorless
4	A (1040)	1.6	6.82	88.5	641	11.70	28.95	0.35	clear/colorless
5	A (1043)	2.0	6.82	88.5	642	11.70	28.95	0.35	clear/colorless
6	A (1046)	2.25	6.82	88.2	643	11.70	28.95	0.32	clear/colorless

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method ~ 350mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

7.0/8.0 3sps:

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
14945 SW Sequoia Parkway, Suite 180, Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Brothers Landfill **WELL ID:** LB-270
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031212-02
DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		CLOUDY		(RAIN)		?		**TEMPERATURE:**	(°F) 50.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/12/12	11:57	115.10	.	35.18	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/12/12	12:15	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/12/12	12:15	A	1	250, (500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/12/12	12:15	A	1	250, (500) 1L	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 | 5 | Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) Low Level OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 12:00 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1203)	0.00	6.49	38.5	347	12.06	35.30	3.30	clear/color less
1	A(1206)	0.5	6.55	51.3	342	12.03	35.34	3.39	167 NTU
2	A(1209)	~1.0	6.58	59.0	340	12.12	35.36	3.28	
3	A(1212)	1.5	6.59	61.4	339	12.12	35.37	3.29	74.06 NTU
4	A(1215)	1.8	6.60	64.9	338	12.11	35.37	3.32	51.40 NTU
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

8/7/80/400 Low Flow Purge Method ~ 400mL/min

SAMPLER: SAM ADLINGTON (PRINTED NAME) (SIGNATURE)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 X
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 250-668

CLIENT: SCS Engineers

REPORT TO: David Lamadrid

ADDRESS: 14945 SW Sequoia Pkwy, Ste 150
Portland, OR 97224

PHONE: 503 639-9515 FAX:

INVOICE TO: SCS Engineers
Portland, OR

P.O. NUMBER:

PROJECT NAME: Leichner Brothers Landfill

PROJECT NUMBER: 04218030.01/.17

SAMPLED BY: TAndrews

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | | HNO3 | | — | — | —

REQUESTED ANALYSES: VOCs 8260 low level | | Diss metals Fe Mn | | SC's TDS | Chloride (300.0) | Nitrate (300.0)

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	LB-031212-01	3/12/12 @ 1120	W	5	low level VOCs	
2	LB-031212-02	3/12/12 @ 1215	W	5	Samples were Field Filtered	
3	LB-031212-03	3/12/12 @ 1321	W	5		
4	LB-031212-04	3/12/12 @ 1411	W	5		
5	LB-031212-05	3/12/12 @ 1506	W	5		
6	LB-031212-06	3/12/12 @ 1440	W	5		
7	Trip Blank	2/27/12 —				
8						
9						
10						

RELEASED BY: T Andrews — DATE: 3/13/12
PRINT NAME: T Andrews — FIRM: SCS Engineers — TIME: 800

RELEASED BY: Peter Cook — DATE: 3/13
PRINT NAME: Peter Cook — FIRM: Schnoy — TIME: 10:40

RECEIVED BY: Peter Cook — DATE: 3/13
PRINT NAME: — FIRM: Schnoy — TIME: 10:16

RECEIVED BY: — DATE: 3/13/12
PRINT NAME: Jessica Nyn — FIRM: TAP — TIME: 1040

TEMP: 5.7

ADDITIONAL REMARKS: tandrews@scsengineers.com / Dlamadr.d@scsengineers.com

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 X
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: SCS Engineers

REPORT TO: David Lamadrid
ADDRESS: 14945 SW Sequoia Pkwy, Ste 180 Portland, OR 97224
PHONE: 503 639-9315 FAX:

INVOICE TO: SCS Engineers Portland, OR

P.O. NUMBER:

PROJECT NAME: Leichner Brothers Landfill
PROJECT NUMBER: 04212030.01/.17
SAMPLED BY: T Andrews

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | HNO3 | — | — | —

REQUESTED ANALYSES: VOCs 8260 low level | Diss Metals Fe,Mn | TDS (160.1) | Chloride (300.0) | Nitrate (300.0)

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	LB-031312-07	3/13/12 @ 827	W	5	low level VOCs	
2	LB-031312-08	3/13/12 @ 900	W	5	Samples were Field Filtered	
3	LB-031312-09	3/13/12 @ 949	W	5	for Diss Metals	
4	LB-031312-10	3/13/12 @ 1040	W	5		
5	LB-031312-11	3/13/12 @ 1150	W	5		
6	LB 031312-12	3/13/12 @ 1245	W	5		
7	LB-031312-13	3/13/12 @ 1335	W	5		
8	LB-031312-14	3/13/12 @ 1415	W	5		
9	LB-031312-15	3/13/12 @ 1500	W	5		
10	LB-031312-16	3/13/12 @ 1548	W	5		

RELEASED BY: JM Andrews — DATE: 3/14/12
PRINT NAME: T Andrews — FIRM: SCS Engineers — TIME: 800

RELEASED BY: — DATE: 3/14/12
PRINT NAME: — FIRM: TAS — TIME:

RECEIVED BY: — DATE: 3/14/12
PRINT NAME: Bob F — FIRM: TAP — TIME: 11:17

RECEIVED BY: — DATE:
PRINT NAME: — FIRM: — TIME:

ADDITIONAL REMARKS:

TEMP:

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 X
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: SCS Engineers

REPORT TO: David Lamadrid

ADDRESS: 14945 SW Sequoia Pkwy, S-1o 180, Portland, OR 97224

PHONE: 503 639 9315 FAX:

INVOICE TO: SCS Engineers, Portland, OR

P.O. NUMBER:

PROJECT NAME: Leichner Brothers Landfill

PROJECT NUMBER: 04212030.01 / .17

SAMPLED BY: T Andrews

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | HNO3 | — | — | —

REQUESTED ANALYSES: VOCs 8260 low level | Diss Met Fe, Mn | TDS (160.1) | Cl (300.0) | Phos (300.0)

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	VOCs 8260 low level	Diss Met Fe, Mn	TDS (160.1)	Cl (300.0)	Phos (300.0)	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	LB-032212-17	3/22/12 @ 955	X	X	X	X	X	W	5	low level VOCs	
2	LB-032212-18	3/22/12 @ 1050	X	X	X	X	X	W	5	Samples were field filtered	
3	LB-032212-19	3/22/12 @ 1315	X	X	X	X	X	W	5	for dissolved	
4	LB-032212-20	3/22/12 @ 1200	X	X	X	X	X	W	5	metals.	
5	LB-032212-21	3/22/12 @ 1405	X	X	X	X	X	W	5	↓	
6	LB-032212-22	3/22/12 @ 1400	X	X	X	X	X	W	5		
7	LB-032212-23	3/22/12 @ 1530	X	X	X	X	X	W	5		
8											
9											
10											

RELEASED BY: PRINT NAME: T Andrews FIRM: SCS DATE: 3/23/12 TIME: 800

RECEIVED BY: PRINT NAME: Bob FIRM: TAP DATE: 3/23/12 TIME: 10:05

RELEASED BY: PRINT NAME: Bob FIRM: TAP DATE: 3/23/12 TIME:

RECEIVED BY: PRINT NAME: FIRM: DATE: TIME:

ADDITIONAL REMARKS:

TEMP:

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TAL-1000(0408)

ATTACHMENT 2

Groundwater Laboratory Analytical Reports
First Quarter 2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-668-1
Client Project/Site: Leichner Brothers Landfill - Wash.
Revision: 2

For:
SCS Engineers
14945 SW Sequoia Parkway
Suite 180
Portland, Oregon 97224

Attn: Mr. David Lamadrid

Vanessa Frahs

Authorized for release by:
6/11/2012 6:19:36 PM

Vanessa Frahs
Project Manager I
vanessa.frahs@testamericainc.com

Table of Contents

Sample Summary

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-668-1	LB-031212-01	Water	03/12/12 11:20	03/13/12 10:40
250-668-2	LB-031212-02	Water	03/12/12 12:15	03/13/12 10:40
250-668-3	LB-031212-03	Water	03/12/12 13:21	03/13/12 10:40
250-668-4	LB-031212-04	Water	03/12/12 14:11	03/13/12 10:40
250-668-5	LB-031212-05	Water	03/12/12 15:06	03/13/12 10:40
250-668-6	LB-031212-06	Water	03/12/12 14:40	03/13/12 10:40
250-668-7	Trip Blank	Water	03/12/12 00:00	03/13/12 10:40

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Job ID: 250-668-1

Laboratory: TestAmerica Portland

Narrative

Job Narrative
250-668-1

Comment
Revised Report - This includes 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, and carbon disulfide in the 8260 Volatiles list.

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

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 580-107764 exceeded control limits for the following analyte: Bromomethane. As all individual recoveries were within QC control limits, the data were flagged as appropriate and reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
The Matrix Spike (MS) or Matrix Spike Duplicate (MSD) exceeds the control limits in batch 250-2226 for nitrate.

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031212-01
Date Collected: 03/12/12 11:20
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 17:20	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 17:20	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 17:20	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 17:20	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 17:20	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 17:20	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 17:20	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 17:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 17:20	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 17:20	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 17:20	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 17:20	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 17:20	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 17:20	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 17:20	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 17:20	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 17:20	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 17:20	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 17:20	1
2-Butanone	ND		2.0		ug/L			03/22/12 17:20	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 17:20	1
2-Hexanone	ND		1.0		ug/L			03/22/12 17:20	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 17:20	1
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 17:20	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 17:20	1
Acetone	ND		2.0		ug/L			03/22/12 17:20	1
Benzene	ND		0.10		ug/L			03/22/12 17:20	1
Bromobenzene	ND		0.10		ug/L			03/22/12 17:20	1
Bromoform	ND		0.10		ug/L			03/22/12 17:20	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 17:20	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 17:20	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 17:20	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 17:20	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 17:20	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 17:20	1
Chloroethane	ND		0.25		ug/L			03/22/12 17:20	1
Chloroform	ND		0.10		ug/L			03/22/12 17:20	1
Chloromethane	ND		0.10		ug/L			03/22/12 17:20	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 17:20	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 17:20	1
Dibromomethane	ND		0.10		ug/L			03/22/12 17:20	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 17:20	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 17:20	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 17:20	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 17:20	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 17:20	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 17:20	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031212-01
Date Collected: 03/12/12 11:20
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/22/12 17:20	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
o-Xylene	ND		0.10		ug/L			03/22/12 17:20	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
Styrene	ND		0.10		ug/L			03/22/12 17:20	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 17:20	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 17:20	1
Toluene	ND		0.10		ug/L			03/22/12 17:20	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 17:20	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 17:20	1
Trichloroethene	ND		0.10		ug/L			03/22/12 17:20	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 17:20	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/22/12 17:20*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/22/12 17:20*	*1*
Fluorobenzene (Surr)	*98*		*70 - 130*		*03/22/12 17:20*	*1*
Trifluorotoluene (Surr)	*98*		*80 - 125*		*03/22/12 17:20*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*03/22/12 17:20*	*1*

Client Sample ID: LB-031212-02
Date Collected: 03/12/12 12:15
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 16:55	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 16:55	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 16:55	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 16:55	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 16:55	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 16:55	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 16:55	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 16:55	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 16:55	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 16:55	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 16:55	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 16:55	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:55	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 16:55	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 16:55	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:55	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 16:55	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:55	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 16:55	1
2-Butanone	ND		2.0		ug/L			03/22/12 16:55	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 16:55	1
2-Hexanone	ND		1.0		ug/L			03/22/12 16:55	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 16:55	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031212-02
Date Collected: 03/12/12 12:15
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 16:55	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 16:55	1
Acetone	ND		2.0		ug/L			03/22/12 16:55	1
Benzene	ND		0.10		ug/L			03/22/12 16:55	1
Bromobenzene	ND		0.10		ug/L			03/22/12 16:55	1
Bromoform	ND		0.10		ug/L			03/22/12 16:55	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 16:55	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 16:55	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 16:55	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 16:55	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 16:55	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 16:55	1
Chloroethane	ND		0.25		ug/L			03/22/12 16:55	1
Chloroform	ND		0.10		ug/L			03/22/12 16:55	1
Chloromethane	ND		0.10		ug/L			03/22/12 16:55	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 16:55	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 16:55	1
Dibromomethane	ND		0.10		ug/L			03/22/12 16:55	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 16:55	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 16:55	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 16:55	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 16:55	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 16:55	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 16:55	1
Naphthalene	ND		0.40		ug/L			03/22/12 16:55	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
o-Xylene	ND		0.10		ug/L			03/22/12 16:55	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
Styrene	ND		0.10		ug/L			03/22/12 16:55	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 16:55	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 16:55	1
Toluene	ND		0.10		ug/L			03/22/12 16:55	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 16:55	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 16:55	1
Trichloroethene	ND		0.10		ug/L			03/22/12 16:55	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 16:55	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*		*03/22/12 16:55*	*1*
Ethylbenzene-d10	*98*		*75 - 125*		*03/22/12 16:55*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/22/12 16:55*	*1*
Trifluorotoluene (Surr)	*94*		*80 - 125*		*03/22/12 16:55*	*1*
Toluene-d8 (Surr)	*90*		*75 - 125*		*03/22/12 16:55*	*1*

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031212-03
Date Collected: 03/12/12 13:21
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 16:30	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 16:30	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 16:30	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 16:30	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 16:30	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 16:30	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 16:30	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 16:30	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 16:30	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 16:30	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 16:30	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 16:30	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:30	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 16:30	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 16:30	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:30	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 16:30	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:30	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 16:30	1
2-Butanone	ND		2.0		ug/L			03/22/12 16:30	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 16:30	1
2-Hexanone	ND		1.0		ug/L			03/22/12 16:30	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 16:30	1
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 16:30	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 16:30	1
Acetone	ND		2.0		ug/L			03/22/12 16:30	1
Benzene	ND		0.10		ug/L			03/22/12 16:30	1
Bromobenzene	ND		0.10		ug/L			03/22/12 16:30	1
Bromoform	ND		0.10		ug/L			03/22/12 16:30	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 16:30	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 16:30	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 16:30	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 16:30	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 16:30	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 16:30	1
Chloroethane	ND		0.25		ug/L			03/22/12 16:30	1
Chloroform	ND		0.10		ug/L			03/22/12 16:30	1
Chloromethane	ND		0.10		ug/L			03/22/12 16:30	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 16:30	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 16:30	1
Dibromomethane	ND		0.10		ug/L			03/22/12 16:30	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 16:30	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 16:30	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 16:30	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 16:30	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 16:30	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 16:30	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031212-03
Date Collected: 03/12/12 13:21
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/22/12 16:30	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
o-Xylene	ND		0.10		ug/L			03/22/12 16:30	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
Styrene	ND		0.10		ug/L			03/22/12 16:30	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 16:30	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 16:30	1
Toluene	ND		0.10		ug/L			03/22/12 16:30	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 16:30	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 16:30	1
Trichloroethene	ND		0.10		ug/L			03/22/12 16:30	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 16:30	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*03/22/12 16:30*	*1*
Ethylbenzene-d10	*95*		*75 - 125*		*03/22/12 16:30*	*1*
Fluorobenzene (Surr)	*95*		*70 - 130*		*03/22/12 16:30*	*1*
Trifluorotoluene (Surr)	*103*		*80 - 125*		*03/22/12 16:30*	*1*
Toluene-d8 (Surr)	*89*		*75 - 125*		*03/22/12 16:30*	*1*

Client Sample ID: LB-031212-04
Date Collected: 03/12/12 14:11
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 16:05	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 16:05	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 16:05	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 16:05	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 16:05	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 16:05	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 16:05	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 16:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 16:05	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 16:05	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 16:05	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 16:05	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:05	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 16:05	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 16:05	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:05	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 16:05	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 16:05	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 16:05	1
2-Butanone	ND		2.0		ug/L			03/22/12 16:05	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 16:05	1
2-Hexanone	ND		1.0		ug/L			03/22/12 16:05	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 16:05	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031212-04
Date Collected: 03/12/12 14:11
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 16:05	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 16:05	1
Acetone	ND		2.0		ug/L			03/22/12 16:05	1
Benzene	ND		0.10		ug/L			03/22/12 16:05	1
Bromobenzene	ND		0.10		ug/L			03/22/12 16:05	1
Bromoform	ND		0.10		ug/L			03/22/12 16:05	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 16:05	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 16:05	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 16:05	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 16:05	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 16:05	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 16:05	1
Chloroethane	ND		0.25		ug/L			03/22/12 16:05	1
Chloroform	ND		0.10		ug/L			03/22/12 16:05	1
Chloromethane	ND		0.10		ug/L			03/22/12 16:05	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 16:05	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 16:05	1
Dibromomethane	ND		0.10		ug/L			03/22/12 16:05	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 16:05	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 16:05	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 16:05	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 16:05	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 16:05	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 16:05	1
Naphthalene	ND		0.40		ug/L			03/22/12 16:05	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
o-Xylene	ND		0.10		ug/L			03/22/12 16:05	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
Styrene	ND		0.10		ug/L			03/22/12 16:05	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 16:05	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 16:05	1
Toluene	ND		0.10		ug/L			03/22/12 16:05	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 16:05	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 16:05	1
Trichloroethene	ND		0.10		ug/L			03/22/12 16:05	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 16:05	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*75 - 120*		*03/22/12 16:05*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/22/12 16:05*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/22/12 16:05*	*1*
Trifluorotoluene (Surr)	*106*		*80 - 125*		*03/22/12 16:05*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*03/22/12 16:05*	*1*

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031212-05
Date Collected: 03/12/12 15:06
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 15:40	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 15:40	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 15:40	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 15:40	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 15:40	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 15:40	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 15:40	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 15:40	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 15:40	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 15:40	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 15:40	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 15:40	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 15:40	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 15:40	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 15:40	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 15:40	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 15:40	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 15:40	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 15:40	1
2-Butanone	ND		2.0		ug/L			03/22/12 15:40	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 15:40	1
2-Hexanone	ND		1.0		ug/L			03/22/12 15:40	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 15:40	1
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 15:40	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 15:40	1
Acetone	ND		2.0		ug/L			03/22/12 15:40	1
Benzene	ND		0.10		ug/L			03/22/12 15:40	1
Bromobenzene	ND		0.10		ug/L			03/22/12 15:40	1
Bromoform	ND		0.10		ug/L			03/22/12 15:40	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 15:40	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 15:40	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 15:40	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 15:40	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 15:40	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 15:40	1
Chloroethane	ND		0.25		ug/L			03/22/12 15:40	1
Chloroform	ND		0.10		ug/L			03/22/12 15:40	1
Chloromethane	ND		0.10		ug/L			03/22/12 15:40	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 15:40	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 15:40	1
Dibromomethane	ND		0.10		ug/L			03/22/12 15:40	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 15:40	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 15:40	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 15:40	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 15:40	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 15:40	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 15:40	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031212-05
Date Collected: 03/12/12 15:06
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/22/12 15:40	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
o-Xylene	ND		0.10		ug/L			03/22/12 15:40	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
Styrene	ND		0.10		ug/L			03/22/12 15:40	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 15:40	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 15:40	1
Toluene	ND		0.10		ug/L			03/22/12 15:40	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 15:40	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 15:40	1
Trichloroethene	ND		0.10		ug/L			03/22/12 15:40	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 15:40	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*03/22/12 15:40*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/22/12 15:40*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/22/12 15:40*	*1*
Trifluorotoluene (Surr)	*100*		*80 - 125*		*03/22/12 15:40*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*03/22/12 15:40*	*1*

Client Sample ID: LB-031212-06
Date Collected: 03/12/12 14:40
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 15:14	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 15:14	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 15:14	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 15:14	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 15:14	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 15:14	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 15:14	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 15:14	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 15:14	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 15:14	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 15:14	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 15:14	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 15:14	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 15:14	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 15:14	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 15:14	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 15:14	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 15:14	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 15:14	1
2-Butanone	ND		2.0		ug/L			03/22/12 15:14	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 15:14	1
2-Hexanone	ND		1.0		ug/L			03/22/12 15:14	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 15:14	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031212-06
Lab Sample ID: 250-668-6
Date Collected: 03/12/12 14:40
Matrix: Water
Date Received: 03/13/12 10:40

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 15:14	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 15:14	1
Acetone	ND		2.0		ug/L			03/22/12 15:14	1
Benzene	ND		0.10		ug/L			03/22/12 15:14	1
Bromobenzene	ND		0.10		ug/L			03/22/12 15:14	1
Bromoform	ND		0.10		ug/L			03/22/12 15:14	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 15:14	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 15:14	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 15:14	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 15:14	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 15:14	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 15:14	1
Chloroethane	ND		0.25		ug/L			03/22/12 15:14	1
Chloroform	**0.34**		0.10		ug/L			03/22/12 15:14	1
Chloromethane	ND		0.10		ug/L			03/22/12 15:14	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 15:14	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 15:14	1
Dibromomethane	ND		0.10		ug/L			03/22/12 15:14	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 15:14	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 15:14	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 15:14	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 15:14	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 15:14	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 15:14	1
Naphthalene	ND		0.40		ug/L			03/22/12 15:14	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
o-Xylene	ND		0.10		ug/L			03/22/12 15:14	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
Styrene	ND		0.10		ug/L			03/22/12 15:14	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 15:14	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 15:14	1
Toluene	ND		0.10		ug/L			03/22/12 15:14	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 15:14	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 15:14	1
Trichloroethene	ND		0.10		ug/L			03/22/12 15:14	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 15:14	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*03/22/12 15:14*	*1*
Ethylbenzene-d10	*98*		*75 - 125*		*03/22/12 15:14*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/22/12 15:14*	*1*
Trifluorotoluene (Surr)	*100*		*80 - 125*		*03/22/12 15:14*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*03/22/12 15:14*	*1*

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: Trip Blank
Date Collected: 03/12/12 00:00
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 14:49	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 14:49	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 14:49	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 14:49	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 14:49	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 14:49	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 14:49	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 14:49	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 14:49	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 14:49	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 14:49	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 14:49	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 14:49	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 14:49	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 14:49	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 14:49	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 14:49	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 14:49	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 14:49	1
2-Butanone	ND		2.0		ug/L			03/22/12 14:49	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 14:49	1
2-Hexanone	ND		1.0		ug/L			03/22/12 14:49	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 14:49	1
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 14:49	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 14:49	1
Acetone	ND		2.0		ug/L			03/22/12 14:49	1
Benzene	ND		0.10		ug/L			03/22/12 14:49	1
Bromobenzene	ND		0.10		ug/L			03/22/12 14:49	1
Bromoform	ND		0.10		ug/L			03/22/12 14:49	1
Bromomethane	ND	*	0.10		ug/L			03/22/12 14:49	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 14:49	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 14:49	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 14:49	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 14:49	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 14:49	1
Chloroethane	ND		0.25		ug/L			03/22/12 14:49	1
Chloroform	ND		0.10		ug/L			03/22/12 14:49	1
Chloromethane	ND		0.10		ug/L			03/22/12 14:49	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 14:49	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 14:49	1
Dibromomethane	ND		0.10		ug/L			03/22/12 14:49	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 14:49	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 14:49	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 14:49	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 14:49	1
Methylene Chloride	ND		0.50		ug/L			03/22/12 14:49	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 14:49	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: Trip Blank
Date Collected: 03/12/12 00:00
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/22/12 14:49	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
o-Xylene	ND		0.10		ug/L			03/22/12 14:49	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
Styrene	ND		0.10		ug/L			03/22/12 14:49	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 14:49	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 14:49	1
Toluene	ND		0.10		ug/L			03/22/12 14:49	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 14:49	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 14:49	1
Trichloroethene	ND		0.10		ug/L			03/22/12 14:49	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 14:49	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*03/22/12 14:49*	*1*
Ethylbenzene-d10	*99*		*75 - 125*		*03/22/12 14:49*	*1*
Fluorobenzene (Surr)	*98*		*70 - 130*		*03/22/12 14:49*	*1*
Trifluorotoluene (Surr)	*98*		*80 - 125*		*03/22/12 14:49*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*03/22/12 14:49*	*1*

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: LB-031212-01
Date Collected: 03/12/12 11:20
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/29/12 10:45	03/30/12 14:07	1
Manganese	ND		0.0020		mg/L		03/29/12 10:45	03/30/12 14:07	1

Client Sample ID: LB-031212-02
Date Collected: 03/12/12 12:15
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.033**		0.025		mg/L		03/29/12 10:45	03/30/12 14:17	1
Manganese	**0.0054**		0.0020		mg/L		03/29/12 10:45	03/30/12 14:17	1

Client Sample ID: LB-031212-03
Date Collected: 03/12/12 13:21
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/29/12 10:45	03/30/12 14:23	1
Manganese	ND		0.0020		mg/L		03/29/12 10:45	03/30/12 14:23	1

Client Sample ID: LB-031212-04
Date Collected: 03/12/12 14:11
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.12**		0.025		mg/L		03/29/12 10:45	03/30/12 14:26	1
Manganese	**4.6**		0.020		mg/L		03/29/12 10:45	03/31/12 03:01	10

Client Sample ID: LB-031212-05
Date Collected: 03/12/12 15:06
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/29/12 10:45	03/30/12 14:30	1
Manganese	**0.0034**		0.0020		mg/L		03/29/12 10:45	03/30/12 14:30	1

Client Sample ID: LB-031212-06
Date Collected: 03/12/12 14:40
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/29/12 10:45	03/30/12 14:40	1
Manganese	ND		0.0020		mg/L		03/29/12 10:45	03/30/12 14:40	1

General Chemistry

Client Sample ID: LB-031212-01
Date Collected: 03/12/12 11:20
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	190		10		mg/L			03/15/12 16:51	1
Chloride	4.4		0.50		mg/L			03/13/12 15:58	1
Nitrogen, Nitrate	5.3		0.10		mg/L			03/13/12 15:58	1

Client Sample ID: LB-031212-02
Date Collected: 03/12/12 12:15
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	220		10		mg/L			03/15/12 16:51	1
Chloride	10		0.50		mg/L			03/13/12 17:31	1
Nitrogen, Nitrate	4.0		0.10		mg/L			03/13/12 17:31	1

Client Sample ID: LB-031212-03
Date Collected: 03/12/12 13:21
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	240		10		mg/L			03/15/12 16:51	1
Chloride	11		0.50		mg/L			03/13/12 17:46	1
Nitrogen, Nitrate	1.2		0.10		mg/L			03/13/12 17:46	1

Client Sample ID: LB-031212-04
Date Collected: 03/12/12 14:11
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	230		10		mg/L			03/15/12 16:51	1
Chloride	19		0.50		mg/L			03/13/12 18:02	1
Nitrogen, Nitrate	ND		0.10		mg/L			03/13/12 18:02	1

Client Sample ID: LB-031212-05
Date Collected: 03/12/12 15:06
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	190		10		mg/L			03/15/12 16:51	1
Chloride	4.8		0.50		mg/L			03/13/12 18:18	1
Nitrogen, Nitrate	5.9		0.10		mg/L			03/13/12 18:18	1

Client Sample ID: LB-031212-06
Date Collected: 03/12/12 14:40
Date Received: 03/13/12 10:40

Lab Sample ID: 250-668-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			03/15/12 16:51	1
Chloride	ND		0.50		mg/L			03/13/12 18:49	1
Nitrogen, Nitrate	ND		0.10		mg/L			03/13/12 18:49	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Lab Sample ID: MB 580-107764/5
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 12:42	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/22/12 12:42	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/22/12 12:42	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/22/12 12:42	1
1,1-Dichloroethane	ND		0.10		ug/L			03/22/12 12:42	1
1,1-Dichloroethene	ND		0.10		ug/L			03/22/12 12:42	1
1,1-Dichloropropene	ND		0.10		ug/L			03/22/12 12:42	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/22/12 12:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/22/12 12:42	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/22/12 12:42	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/22/12 12:42	1
1,2-Dibromoethane	ND		0.10		ug/L			03/22/12 12:42	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/22/12 12:42	1
1,2-Dichloroethane	ND		0.10		ug/L			03/22/12 12:42	1
1,2-Dichloropropane	ND		0.10		ug/L			03/22/12 12:42	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/22/12 12:42	1
1,3-Dichloropropane	ND		0.10		ug/L			03/22/12 12:42	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/22/12 12:42	1
2,2-Dichloropropane	ND		0.10		ug/L			03/22/12 12:42	1
2-Butanone	ND		2.0		ug/L			03/22/12 12:42	1
2-Chlorotoluene	ND		0.10		ug/L			03/22/12 12:42	1
2-Hexanone	ND		1.0		ug/L			03/22/12 12:42	1
4-Chlorotoluene	ND		0.20		ug/L			03/22/12 12:42	1
4-Isopropyltoluene	ND		0.20		ug/L			03/22/12 12:42	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/22/12 12:42	1
Acetone	ND		2.0		ug/L			03/22/12 12:42	1
Benzene	ND		0.10		ug/L			03/22/12 12:42	1
Bromobenzene	ND		0.10		ug/L			03/22/12 12:42	1
Bromoform	ND		0.10		ug/L			03/22/12 12:42	1
Bromomethane	ND		0.10		ug/L			03/22/12 12:42	1
Carbon disulfide	ND		0.10		ug/L			03/22/12 12:42	1
Carbon tetrachloride	ND		0.10		ug/L			03/22/12 12:42	1
Chlorobenzene	ND		0.10		ug/L			03/22/12 12:42	1
Chlorobromomethane	ND		0.10		ug/L			03/22/12 12:42	1
Chlorodibromomethane	ND		0.10		ug/L			03/22/12 12:42	1
Chloroethane	ND		0.25		ug/L			03/22/12 12:42	1
Chloroform	ND		0.10		ug/L			03/22/12 12:42	1
Chloromethane	ND		0.10		ug/L			03/22/12 12:42	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 12:42	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 12:42	1
Dibromomethane	ND		0.10		ug/L			03/22/12 12:42	1
Dichlorobromomethane	ND		0.10		ug/L			03/22/12 12:42	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/22/12 12:42	1
Ethylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
Hexachlorobutadiene	ND		0.20		ug/L			03/22/12 12:42	1
Isopropylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/22/12 12:42	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: MB 580-107764/5
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50		ug/L			03/22/12 12:42	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/22/12 12:42	1
Naphthalene	ND		0.40		ug/L			03/22/12 12:42	1
n-Butylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
N-Propylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
o-Xylene	ND		0.10		ug/L			03/22/12 12:42	1
sec-Butylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
Styrene	ND		0.10		ug/L			03/22/12 12:42	1
tert-Butylbenzene	ND		0.10		ug/L			03/22/12 12:42	1
Tetrachloroethene	ND		0.10		ug/L			03/22/12 12:42	1
Toluene	ND		0.10		ug/L			03/22/12 12:42	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/22/12 12:42	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/22/12 12:42	1
Trichloroethene	ND		0.10		ug/L			03/22/12 12:42	1
Trichlorofluoromethane	ND		0.10		ug/L			03/22/12 12:42	1
Vinyl chloride	ND		0.020		ug/L			03/22/12 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*03/22/12 12:42*	*1*
Ethylbenzene-d10	*98*		*75 - 125*		*03/22/12 12:42*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/22/12 12:42*	*1*
Trifluorotoluene (Surr)	*106*		*80 - 125*		*03/22/12 12:42*	*1*
Toluene-d8 (Surr)	*89*		*75 - 125*		*03/22/12 12:42*	*1*

Lab Sample ID: LCS 580-107764/6
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.93	4.54		ug/L		92	75 - 125
1,1,1-Trichloroethane	5.00	5.81		ug/L		116	80 - 140
1,1,2,2-Tetrachloroethane	5.00	4.84		ug/L		97	75 - 125
1,1,2-Trichloroethane	4.94	4.80		ug/L		97	80 - 130
1,1-Dichloroethane	4.95	5.84		ug/L		118	75 - 135
1,1-Dichloroethene	4.95	5.27		ug/L		106	70 - 150
1,1-Dichloropropene	4.96	5.27		ug/L		106	80 - 130
1,2,3-Trichlorobenzene	5.00	3.88		ug/L		78	60 - 125
1,2,3-Trichloropropane	4.93	4.42		ug/L		90	75 - 120
1,2,4-Trichlorobenzene	4.97	3.79		ug/L		76	60 - 125
1,2,4-Trimethylbenzene	5.01	4.88		ug/L		98	80 - 125
1,2-Dibromo-3-Chloropropane	5.00	3.38		ug/L		68	55 - 120
1,2-Dibromoethane	5.00	4.61		ug/L		92	70 - 130
1,2-Dichlorobenzene	4.91	5.14		ug/L		105	80 - 130
1,2-Dichloroethane	4.96	5.34		ug/L		108	80 - 140
1,2-Dichloropropane	5.00	4.71		ug/L		94	80 - 120
1,3,5-Trimethylbenzene	5.00	4.79		ug/L		96	80 - 125
1,3-Dichlorobenzene	4.99	5.08		ug/L		102	80 - 120
1,3-Dichloropropane	5.00	4.77		ug/L		95	80 - 130
1,4-Dichlorobenzene	5.00	5.13		ug/L		103	80 - 120

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCS 580-107764/6
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	5.01	5.66		ug/L		113	60 - 150
2-Butanone	10.0	10.3		ug/L		103	20 - 200
2-Chlorotoluene	4.95	4.85		ug/L		98	75 - 130
2-Hexanone	9.83	7.13		ug/L		73	52 - 160
4-Chlorotoluene	4.93	5.12		ug/L		104	75 - 130
4-Isopropyltoluene	5.00	4.50		ug/L		90	80 - 120
4-Methyl-2-pentanone	9.97	7.46		ug/L		75	55 - 135
Acetone	10.0	10.9		ug/L		109	30 - 200
Benzene	4.98	5.41		ug/L		109	80 - 120
Bromobenzene	4.98	4.86		ug/L		98	80 - 130
Bromoform	4.98	4.06		ug/L		81	65 - 130
Bromomethane	5.02	4.98		ug/L		99	70 - 135
Carbon disulfide	10.0	9.06		ug/L		90	65 - 160
Carbon tetrachloride	5.01	5.07		ug/L		101	75 - 140
Chlorobenzene	5.00	5.04		ug/L		101	80 - 120
Chlorobromomethane	4.96	5.05		ug/L		102	80 - 125
Chlorodibromomethane	4.96	3.93		ug/L		79	70 - 120
Chloroethane	5.00	6.09		ug/L		122	75 - 140
Chloroform	5.00	5.52		ug/L		110	80 - 130
Chloromethane	5.02	4.98		ug/L		99	50 - 140
cis-1,2-Dichloroethene	5.00	4.90		ug/L		98	80 - 130
cis-1,3-Dichloropropene	5.25	3.99		ug/L		76	70 - 120
Dibromomethane	4.93	4.94		ug/L		100	80 - 130
Dichlorobromomethane	4.94	4.52		ug/L		92	80 - 125
Dichlorodifluoromethane	5.00	5.59		ug/L		112	30 - 180
Ethylbenzene	4.96	4.91		ug/L		99	80 - 125
Hexachlorobutadiene	5.00	4.88		ug/L		98	75 - 135
Isopropylbenzene	5.00	3.96		ug/L		79	75 - 120
Methyl tert-butyl ether	5.00	4.61		ug/L		92	75 - 120
Methylene Chloride	5.00	5.63		ug/L		113	60 - 145
m-Xylene & p-Xylene	9.99	10.3		ug/L		103	80 - 130
Naphthalene	5.00	2.98		ug/L		60	45 - 130
n-Butylbenzene	4.95	4.95		ug/L		100	75 - 125
N-Propylbenzene	5.00	4.31		ug/L		86	80 - 120
o-Xylene	4.95	4.53		ug/L		92	80 - 120
sec-Butylbenzene	5.00	4.83		ug/L		97	80 - 125
Styrene	4.99	4.47		ug/L		90	75 - 130
tert-Butylbenzene	4.98	4.57		ug/L		92	80 - 130
Tetrachloroethene	5.01	3.40		ug/L		68	40 - 180
Toluene	5.00	5.31		ug/L		106	80 - 120
trans-1,2-Dichloroethene	5.01	5.43		ug/L		108	80 - 140
trans-1,3-Dichloropropene	4.75	3.70		ug/L		78	60 - 140
Trichloroethene	5.00	5.44		ug/L		109	80 - 130
Trichlorofluoromethane	5.00	6.36		ug/L		127	30 - 180
Vinyl chloride	5.01	6.32		ug/L		126	65 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*
Ethylbenzene-d10	*101*		*75 - 125*

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCS 580-107764/6
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Fluorobenzene (Surr)	*102*		*70 - 130*
Trifluorotoluene (Surr)	*114*		*80 - 125*
Toluene-d8 (Surr)	*105*		*75 - 125*

Lab Sample ID: LCSD 580-107764/7
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			4.93	4.63		ug/L		94	75 - 125	2	20
1,1,1-Trichloroethane			5.00	5.85		ug/L		117	80 - 140	1	20
1,1,2,2-Tetrachloroethane			5.00	5.01		ug/L		100	75 - 125	3	20
1,1,2-Trichloroethane			4.94	5.03		ug/L		102	80 - 130	5	20
1,1-Dichloroethane			4.95	5.97		ug/L		121	75 - 135	2	20
1,1-Dichloroethene			4.95	5.21		ug/L		105	70 - 150	1	20
1,1-Dichloropropene			4.96	5.22		ug/L		105	80 - 130	1	20
1,2,3-Trichlorobenzene			5.00	4.38		ug/L		88	60 - 125	12	20
1,2,3-Trichloropropane			4.93	4.42		ug/L		90	75 - 120	0	20
1,2,4-Trichlorobenzene			4.97	4.02		ug/L		81	60 - 125	6	20
1,2,4-Trimethylbenzene			5.01	4.89		ug/L		98	80 - 125	0	20
1,2-Dibromo-3-Chloropropane			5.00	3.40		ug/L		68	55 - 120	1	20
1,2-Dibromoethane			5.00	4.73		ug/L		95	70 - 130	3	20
1,2-Dichlorobenzene			4.91	5.10		ug/L		104	80 - 130	1	20
1,2-Dichloroethane			4.96	5.44		ug/L		110	80 - 140	2	20
1,2-Dichloropropane			5.00	4.80		ug/L		96	80 - 120	2	20
1,3,5-Trimethylbenzene			5.00	4.75		ug/L		95	80 - 125	1	20
1,3-Dichlorobenzene			4.99	5.07		ug/L		102	80 - 120	0	20
1,3-Dichloropropane			5.00	4.80		ug/L		96	80 - 130	1	20
1,4-Dichlorobenzene			5.00	5.14		ug/L		103	80 - 120	0	20
2,2-Dichloropropane			5.01	5.75		ug/L		115	60 - 150	2	20
2-Butanone			10.0	11.0		ug/L		110	20 - 200	7	20
2-Chlorotoluene			4.95	5.03		ug/L		102	75 - 130	4	20
2-Hexanone			9.83	7.76		ug/L		79	52 - 160	8	20
4-Chlorotoluene			4.93	5.20		ug/L		106	75 - 130	2	20
4-Isopropyltoluene			5.00	4.52		ug/L		90	80 - 120	0	20
4-Methyl-2-pentanone			9.97	8.23		ug/L		83	55 - 135	10	20
Acetone			10.0	11.3		ug/L		113	30 - 200	4	20
Benzene			4.98	5.35		ug/L		107	80 - 120	1	20
Bromobenzene			4.98	4.92		ug/L		99	80 - 130	1	20
Bromoform			4.98	3.85		ug/L		77	65 - 130	5	20
Bromomethane			5.02	6.12	*	ug/L		122	70 - 135	21	20
Carbon disulfide			10.0	10.0		ug/L		100	65 - 160	10	20
Carbon tetrachloride			5.01	4.95		ug/L		99	75 - 140	2	20
Chlorobenzene			5.00	4.95		ug/L		99	80 - 120	2	20
Chlorobromomethane			4.96	5.19		ug/L		105	80 - 125	3	20
Chlorodibromomethane			4.96	4.08		ug/L		82	70 - 120	4	20
Chloroethane			5.00	6.90		ug/L		138	75 - 140	12	20
Chloroform			5.00	5.38		ug/L		108	80 - 130	3	20
Chloromethane			5.02	5.30		ug/L		106	50 - 140	6	20

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCSD 580-107764/7
Matrix: Water
Analysis Batch: 107764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 130	1	20
cis-1,3-Dichloropropene	5.25	4.12		ug/L		78	70 - 120	3	20
Dibromomethane	4.93	5.07		ug/L		103	80 - 130	3	20
Dichlorobromomethane	4.94	4.43		ug/L		90	80 - 125	2	20
Dichlorodifluoromethane	5.00	5.89		ug/L		118	30 - 180	5	20
Ethylbenzene	4.96	4.89		ug/L		99	80 - 125	0	20
Hexachlorobutadiene	5.00	5.42		ug/L		108	75 - 135	10	20
Isopropylbenzene	5.00	3.98		ug/L		80	75 - 120	1	20
Methyl tert-butyl ether	5.00	4.78		ug/L		96	75 - 120	4	20
Methylene Chloride	5.00	5.75		ug/L		115	60 - 145	2	20
m-Xylene & p-Xylene	9.99	10.4		ug/L		104	80 - 130	1	20
Naphthalene	5.00	3.40		ug/L		68	45 - 130	13	20
n-Butylbenzene	4.95	4.82		ug/L		97	75 - 125	3	20
N-Propylbenzene	5.00	4.42		ug/L		88	80 - 120	3	20
o-Xylene	4.95	4.51		ug/L		91	80 - 120	0	20
sec-Butylbenzene	5.00	4.87		ug/L		97	80 - 125	1	20
Styrene	4.99	4.53		ug/L		91	75 - 130	1	20
tert-Butylbenzene	4.98	4.59		ug/L		92	80 - 130	0	20
Tetrachloroethene	5.01	3.28		ug/L		66	40 - 180	4	20
Toluene	5.00	5.25		ug/L		105	80 - 120	1	20
trans-1,2-Dichloroethene	5.01	5.34		ug/L		107	80 - 140	2	20
trans-1,3-Dichloropropene	4.75	3.75		ug/L		79	60 - 140	1	20
Trichloroethene	5.00	5.49		ug/L		110	80 - 130	1	20
Trichlorofluoromethane	5.00	6.57		ug/L		131	30 - 180	3	20
Vinyl chloride	5.01	6.81		ug/L		136	65 - 140	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*
Ethylbenzene-d10	*98*		*75 - 125*
Fluorobenzene (Surr)	*101*		*70 - 130*
Trifluorotoluene (Surr)	*111*		*80 - 125*
Toluene-d8 (Surr)	*105*		*75 - 125*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 250-2910/1-A
Matrix: Water
Analysis Batch: 2998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/29/12 10:45	03/30/12 14:00	1
Manganese	ND		0.0020		mg/L		03/29/12 10:45	03/30/12 14:00	1

Lab Sample ID: LCS 250-2910/2-A
Matrix: Water
Analysis Batch: 2998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	2.00	1.95		mg/L		97	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 250-2910/2-A
Matrix: Water
Analysis Batch: 2998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Manganese			0.100	0.0970		mg/L		97	80 - 120		

Lab Sample ID: 250-668-2 MS
Matrix: Water
Analysis Batch: 2998

Client Sample ID: LB-031212-02
Prep Type: Dissolved
Prep Batch: 2910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron	0.033		2.00	1.93		mg/L		95	75 - 125		
Manganese	0.0054		0.100	0.100		mg/L		95	75 - 125		

Lab Sample ID: 250-668-1 DU
Matrix: Water
Analysis Batch: 2998

Client Sample ID: LB-031212-01
Prep Type: Dissolved
Prep Batch: 2910

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Iron	ND			ND		mg/L				NC	20
Manganese	ND			ND		mg/L				NC	20

Method: 160.1 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 250-2334/1
Matrix: Water
Analysis Batch: 2334

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			03/15/12 16:51	1

Lab Sample ID: LCS 250-2334/2
Matrix: Water
Analysis Batch: 2334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			99.0	101		mg/L		102	80 - 120		

Lab Sample ID: 250-563-B-4 DU
Matrix: Water
Analysis Batch: 2334

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	40			41.0		mg/L				NC	20

Method: 300.0 - Nitrate

Lab Sample ID: MB 250-2226/3
Matrix: Water
Analysis Batch: 2226

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate	ND		0.10		mg/L			03/13/12 13:53	1

Method: 300.0 - Nitrate (Continued)

Lab Sample ID: LCS 250-2226/4
Matrix: Water
Analysis Batch: 2226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrate			5.00	4.95		mg/L		99	90 - 110		

Lab Sample ID: 250-668-1 MS
Matrix: Water
Analysis Batch: 2226

Client Sample ID: LB-031212-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrate	5.3		2.00	6.76	F	mg/L		72	80 - 120		

Lab Sample ID: 250-668-1 MSD
Matrix: Water
Analysis Batch: 2226

Client Sample ID: LB-031212-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrate	5.3		2.00	6.76	F	mg/L		72	80 - 120	0	20

Lab Sample ID: 250-668-1 DU
Matrix: Water
Analysis Batch: 2226

Client Sample ID: LB-031212-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrogen, Nitrate	5.3			5.31		mg/L				0.2	20

Method: 300.0 - Chloride

Lab Sample ID: MB 250-2225/3
Matrix: Water
Analysis Batch: 2225

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50		mg/L			03/13/12 13:53	1

Lab Sample ID: LCS 250-2225/4
Matrix: Water
Analysis Batch: 2225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.1		mg/L		101	90 - 110		

Lab Sample ID: 250-668-1 MS
Matrix: Water
Analysis Batch: 2225

Client Sample ID: LB-031212-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.4		2.00	5.90	F	mg/L		74	80 - 120		

Method: 300.0 - Chloride (Continued)

Lab Sample ID: 250-668-1 MSD
Matrix: Water
Analysis Batch: 2225

Client Sample ID: LB-031212-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.4		2.00	5.89	F	mg/L		74	80 - 120	0	20

Lab Sample ID: 250-668-5 MS
Matrix: Water
Analysis Batch: 2225

Client Sample ID: LB-031212-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.8		2.00	6.24	F	mg/L		74	80 - 120		

Lab Sample ID: 250-668-1 DU
Matrix: Water
Analysis Batch: 2225

Client Sample ID: LB-031212-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	4.4			4.40		mg/L				0.2	20

GC/MS VOA

Analysis Batch: 107764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-1	LB-031212-01	Total/NA	Water	8260B	
250-668-2	LB-031212-02	Total/NA	Water	8260B	
250-668-3	LB-031212-03	Total/NA	Water	8260B	
250-668-4	LB-031212-04	Total/NA	Water	8260B	
250-668-5	LB-031212-05	Total/NA	Water	8260B	
250-668-6	LB-031212-06	Total/NA	Water	8260B	
250-668-7	Trip Blank	Total/NA	Water	8260B	
LCS 580-107764/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 580-107764/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 580-107764/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 2910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-1	LB-031212-01	Dissolved	Water	3005A	
250-668-1 DU	LB-031212-01	Dissolved	Water	3005A	
250-668-2	LB-031212-02	Dissolved	Water	3005A	
250-668-2 MS	LB-031212-02	Dissolved	Water	3005A	
250-668-3	LB-031212-03	Dissolved	Water	3005A	
250-668-4	LB-031212-04	Dissolved	Water	3005A	
250-668-5	LB-031212-05	Dissolved	Water	3005A	
250-668-6	LB-031212-06	Dissolved	Water	3005A	
LCS 250-2910/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 250-2910/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 2998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-1	LB-031212-01	Dissolved	Water	6020	2910
250-668-1 DU	LB-031212-01	Dissolved	Water	6020	2910
250-668-2	LB-031212-02	Dissolved	Water	6020	2910
250-668-2 MS	LB-031212-02	Dissolved	Water	6020	2910
250-668-3	LB-031212-03	Dissolved	Water	6020	2910
250-668-4	LB-031212-04	Dissolved	Water	6020	2910
250-668-5	LB-031212-05	Dissolved	Water	6020	2910
250-668-6	LB-031212-06	Dissolved	Water	6020	2910
LCS 250-2910/2-A	Lab Control Sample	Total/NA	Water	6020	2910
MB 250-2910/1-A	Method Blank	Total/NA	Water	6020	2910

Analysis Batch: 2999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-4	LB-031212-04	Dissolved	Water	6020	2910

General Chemistry

Analysis Batch: 2225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-1	LB-031212-01	Total/NA	Water	300.0	
250-668-1 DU	LB-031212-01	Total/NA	Water	300.0	
250-668-1 MS	LB-031212-01	Total/NA	Water	300.0	
250-668-1 MSD	LB-031212-01	Total/NA	Water	300.0	
250-668-2	LB-031212-02	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 2225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-3	LB-031212-03	Total/NA	Water	300.0	
250-668-4	LB-031212-04	Total/NA	Water	300.0	
250-668-5	LB-031212-05	Total/NA	Water	300.0	
250-668-5 MS	LB-031212-05	Total/NA	Water	300.0	
250-668-6	LB-031212-06	Total/NA	Water	300.0	
LCS 250-2225/4	Lab Control Sample	Total/NA	Water	300.0	
MB 250-2225/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-668-1	LB-031212-01	Total/NA	Water	300.0	
250-668-1 DU	LB-031212-01	Total/NA	Water	300.0	
250-668-1 MS	LB-031212-01	Total/NA	Water	300.0	
250-668-1 MSD	LB-031212-01	Total/NA	Water	300.0	
250-668-2	LB-031212-02	Total/NA	Water	300.0	
250-668-3	LB-031212-03	Total/NA	Water	300.0	
250-668-4	LB-031212-04	Total/NA	Water	300.0	
250-668-5	LB-031212-05	Total/NA	Water	300.0	
250-668-5 MS	LB-031212-05	Total/NA	Water	300.0	
250-668-6	LB-031212-06	Total/NA	Water	300.0	
LCS 250-2226/4	Lab Control Sample	Total/NA	Water	300.0	
MB 250-2226/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-563-B-4 DU	Duplicate	Total/NA	Water	160.1	
250-668-1	LB-031212-01	Total/NA	Water	160.1	
250-668-2	LB-031212-02	Total/NA	Water	160.1	
250-668-3	LB-031212-03	Total/NA	Water	160.1	
250-668-4	LB-031212-04	Total/NA	Water	160.1	
250-668-5	LB-031212-05	Total/NA	Water	160.1	
250-668-6	LB-031212-06	Total/NA	Water	160.1	
LCS 250-2334/2	Lab Control Sample	Total/NA	Water	160.1	
MB 250-2334/1	Method Blank	Total/NA	Water	160.1	

Certification Summary

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	Alaska (UST)	State Program	10	UST-012
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	Federal		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: SCS Engineers
Project/Site: Leichner Brothers Landfill - Wash.

TestAmerica Job ID: 250-668-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds by GC/MS (Low Level)	SW846	TAL SEA
6020	Metals (ICP/MS)	SW846	TAL PRT
160.1	Solids, Total Dissolved (TDS)	MCAWW	TAL PRT
300.0	Chloride	40CFR136A	TAL PRT
300.0	Nitrate	MCAWW	TAL PRT

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200
TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210 ☐
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290 ☐
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ☒
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210 ☐

CHAIN OF CUSTODY REPORT

Work Order #: 250-668

CLIENT: SCS Engineers

REPORT TO: David Lamadrid

ADDRESS: 14945 SW Sequoia Pkwy, Ste 180, Portland, OR 97224

PHONE: 503 639-9315 FAX:

INVOICE TO: SCS Engineers, Portland, OR

P.O. NUMBER:

PROJECT NAME: Leichner Brothers Landfill

PROJECT NUMBER: 04212030.01/.17

SAMPLED BY: T Andrews

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ☒ 10 (STD.) ☐ 7 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1

Petroleum Hydrocarbon Analyses: ☐ 5 (STD.) ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	VOCs 8260 (low level)		Diss metals Fe Mn		(160.1) TDS	Chloride (300.0)	Nitrate (300.0)						MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
PRESERVATIVE			HCl		HNO3		—	—	—									
1	LB-031212-01	3/12/12 @ 1120	X		X		X	X	X						W	5	low level VOCs	
2	LB-031212-02	3/12/12 @ 1215	X		X		X	X	X						W	5	samples were	
3	LB-031212-03	3/12/12 @ 1321	X		X		X	X	X						W	5	field filtered	
4	LB-031212-04	3/12/12 @ 1411	X		X		X	X	X						W	5	↓	
5	LB-031212-05	3/12/12 @ 1506	X		X		X	X	X						W	5	↓	
6	LB-031212-06	3/12/12 @ 1440	X		X		X	X	X						W	5	↓	
7	Trip Blank	2/27/12 —	X															
8																		
9																		
10																		

RELEASED BY: T Andrews DATE: 3/13/12
PRINT NAME: T Andrews FIRM: SCS Engineers TIME: 800

RECEIVED BY: Peter Cook DATE: 3/13
PRINT NAME: P FIRM: Selwoy TIME: 10:16

RELEASED BY: Peter Cook DATE: 3/13
PRINT NAME: Peter Cook FIRM: Selway TIME: 10:40

RECEIVED BY: Jessica Nye DATE: 3/13/12
PRINT NAME: FIRM: TAP TIME: 1040

ADDITIONAL REMARKS: tandrews@scsengineers.com / Dlamadrid@scsengineers.com

TEMP: 5.7 PAGE OF

TAL-1000(0408)

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 250-668-1

Login Number: 668

List Number: 1

Creator: Morgan, Jessica

List Source: TestAmerica Portland

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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.	True	
Samples were received on ice.	True	
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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 250-668-1

Login Number: 668
List Number: 1
Creator: Presley, Kim

List Source: TestAmerica Seattle
List Creation: 03/14/12 04:32 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
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	
Sample Preservation Verified.	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.	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-743-1
Client Project/Site: Leichner Landfill - Wash.
Revision: 3

For:
SCS Engineers
14945 SW Sequoia Parkway
Suite 180
Portland, Oregon 97224

Attn: Mr. David Lamadrid

Vanessa Frahs

Authorized for release by:
6/11/2012 6:38:46 PM

Vanessa Frahs
Project Manager I
vanessa.frahs@testamericainc.com

Table of Contents

Sample Summary

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-743-1	LB-031312-07	Water	03/13/12 08:27	03/14/12 11:33
250-743-2	LB-031312-08	Water	03/13/12 09:00	03/14/12 11:33
250-743-3	LB-031312-09	Water	03/13/12 09:49	03/14/12 11:33
250-743-4	LB-031312-10	Water	03/13/12 10:40	03/14/12 11:33
250-743-5	LB-031312-11	Water	03/13/12 11:50	03/14/12 11:33
250-743-6	LB-031312-12	Water	03/13/12 12:45	03/14/12 11:33
250-743-7	LB-031312-13	Water	03/13/12 13:35	03/14/12 11:33
250-743-8	LB-031312-14	Water	03/13/12 14:15	03/14/12 11:33
250-743-9	LB-031312-15	Water	03/13/12 15:00	03/14/12 11:33
250-743-10	LB-031312-16	Water	03/13/12 15:48	03/14/12 11:33

Job ID: 250-743-1

Laboratory: TestAmerica Portland

Narrative

Job Narrative
250-743-1

Comment
Revised Report - This includes 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, and carbon disulfide in the 8260 Volatiles list.

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

GC/MS VOA

Method(s) 8260B:
The laboratory control sample duplicate (LCSD) for batch 580-107852 exceeded control limits for the following analyte: Chloroethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been flagged as appropriate and reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 580-107852 exceeded control limits for the following analytes: Bromomethane and Iodomethane. As all individual recoveries met QC limits, the data has been flagged as appropriate and reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry
The Matrix Spike (MS) or Matrix Spike Duplicate (MSD) exceeds the control limits in batch 250-2323 for nitrate.

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031312-07
Date Collected: 03/13/12 08:27
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 15:57	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 15:57	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 15:57	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 15:57	1
1,1-Dichloroethane	**0.12**		0.10		ug/L			03/23/12 15:57	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 15:57	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 15:57	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 15:57	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 15:57	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 15:57	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 15:57	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 15:57	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 15:57	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 15:57	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 15:57	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 15:57	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 15:57	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 15:57	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 15:57	1
2-Butanone	ND		2.0		ug/L			03/23/12 15:57	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 15:57	1
2-Hexanone	ND		1.0		ug/L			03/23/12 15:57	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 15:57	1
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 15:57	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 15:57	1
Acetone	ND		2.0		ug/L			03/23/12 15:57	1
Benzene	ND		0.10		ug/L			03/23/12 15:57	1
Bromobenzene	ND		0.10		ug/L			03/23/12 15:57	1
Bromoform	ND		0.10		ug/L			03/23/12 15:57	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 15:57	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 15:57	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 15:57	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 15:57	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 15:57	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 15:57	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 15:57	1
Chloroform	ND		0.10		ug/L			03/23/12 15:57	1
Chloromethane	ND		0.10		ug/L			03/23/12 15:57	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 15:57	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 15:57	1
Dibromomethane	ND		0.10		ug/L			03/23/12 15:57	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 15:57	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 15:57	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 15:57	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 15:57	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 15:57	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 15:57	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-07
Date Collected: 03/13/12 08:27
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/23/12 15:57	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
o-Xylene	ND		0.10		ug/L			03/23/12 15:57	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
Styrene	ND		0.10		ug/L			03/23/12 15:57	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 15:57	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 15:57	1
Toluene	ND		0.10		ug/L			03/23/12 15:57	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 15:57	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 15:57	1
Trichloroethene	ND		0.10		ug/L			03/23/12 15:57	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 15:57	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/23/12 15:57*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/23/12 15:57*	*1*
Fluorobenzene (Surr)	*99*		*70 - 130*		*03/23/12 15:57*	*1*
Trifluorotoluene (Surr)	*102*		*80 - 125*		*03/23/12 15:57*	*1*
Toluene-d8 (Surr)	*90*		*75 - 125*		*03/23/12 15:57*	*1*

Client Sample ID: LB-031312-08
Date Collected: 03/13/12 09:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 16:22	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 16:22	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 16:22	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 16:22	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 16:22	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 16:22	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 16:22	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 16:22	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 16:22	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 16:22	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 16:22	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 16:22	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 16:22	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 16:22	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 16:22	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 16:22	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 16:22	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 16:22	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 16:22	1
2-Butanone	ND		2.0		ug/L			03/23/12 16:22	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 16:22	1
2-Hexanone	ND		1.0		ug/L			03/23/12 16:22	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 16:22	1

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-08
Date Collected: 03/13/12 09:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 16:22	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 16:22	1
Acetone	ND		2.0		ug/L			03/23/12 16:22	1
Benzene	ND		0.10		ug/L			03/23/12 16:22	1
Bromobenzene	ND		0.10		ug/L			03/23/12 16:22	1
Bromoform	ND		0.10		ug/L			03/23/12 16:22	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 16:22	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 16:22	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 16:22	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 16:22	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 16:22	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 16:22	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 16:22	1
Chloroform	ND		0.10		ug/L			03/23/12 16:22	1
Chloromethane	ND		0.10		ug/L			03/23/12 16:22	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 16:22	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 16:22	1
Dibromomethane	ND		0.10		ug/L			03/23/12 16:22	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 16:22	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 16:22	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 16:22	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 16:22	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 16:22	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 16:22	1
Naphthalene	ND		0.40		ug/L			03/23/12 16:22	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
o-Xylene	ND		0.10		ug/L			03/23/12 16:22	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
Styrene	ND		0.10		ug/L			03/23/12 16:22	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 16:22	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 16:22	1
Toluene	ND		0.10		ug/L			03/23/12 16:22	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 16:22	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 16:22	1
Trichloroethene	ND		0.10		ug/L			03/23/12 16:22	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 16:22	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*03/23/12 16:22*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/23/12 16:22*	*1*
Fluorobenzene (Surr)	*100*		*70 - 130*		*03/23/12 16:22*	*1*
Trifluorotoluene (Surr)	*101*		*80 - 125*		*03/23/12 16:22*	*1*
Toluene-d8 (Surr)	*88*		*75 - 125*		*03/23/12 16:22*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031312-09
Date Collected: 03/13/12 09:49
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 16:47	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 16:47	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 16:47	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 16:47	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 16:47	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 16:47	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 16:47	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 16:47	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 16:47	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 16:47	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 16:47	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 16:47	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 16:47	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 16:47	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 16:47	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 16:47	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 16:47	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 16:47	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 16:47	1
2-Butanone	ND		2.0		ug/L			03/23/12 16:47	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 16:47	1
2-Hexanone	ND		1.0		ug/L			03/23/12 16:47	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 16:47	1
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 16:47	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 16:47	1
Acetone	ND		2.0		ug/L			03/23/12 16:47	1
Benzene	ND		0.10		ug/L			03/23/12 16:47	1
Bromobenzene	ND		0.10		ug/L			03/23/12 16:47	1
Bromoform	ND		0.10		ug/L			03/23/12 16:47	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 16:47	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 16:47	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 16:47	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 16:47	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 16:47	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 16:47	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 16:47	1
Chloroform	ND		0.10		ug/L			03/23/12 16:47	1
Chloromethane	ND		0.10		ug/L			03/23/12 16:47	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 16:47	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 16:47	1
Dibromomethane	ND		0.10		ug/L			03/23/12 16:47	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 16:47	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 16:47	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 16:47	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 16:47	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 16:47	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 16:47	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-09
Date Collected: 03/13/12 09:49
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/23/12 16:47	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
o-Xylene	ND		0.10		ug/L			03/23/12 16:47	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
Styrene	ND		0.10		ug/L			03/23/12 16:47	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 16:47	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 16:47	1
Toluene	ND		0.10		ug/L			03/23/12 16:47	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 16:47	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 16:47	1
Trichloroethene	ND		0.10		ug/L			03/23/12 16:47	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 16:47	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/23/12 16:47*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/23/12 16:47*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/23/12 16:47*	*1*
Trifluorotoluene (Surr)	*101*		*80 - 125*		*03/23/12 16:47*	*1*
Toluene-d8 (Surr)	*88*		*75 - 125*		*03/23/12 16:47*	*1*

Client Sample ID: LB-031312-10
Date Collected: 03/13/12 10:40
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 17:12	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 17:12	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 17:12	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 17:12	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 17:12	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 17:12	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 17:12	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 17:12	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 17:12	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 17:12	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 17:12	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 17:12	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 17:12	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 17:12	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 17:12	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 17:12	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 17:12	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 17:12	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 17:12	1
2-Butanone	ND		2.0		ug/L			03/23/12 17:12	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 17:12	1
2-Hexanone	ND		1.0		ug/L			03/23/12 17:12	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 17:12	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-10
Date Collected: 03/13/12 10:40
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 17:12	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 17:12	1
Acetone	ND		2.0		ug/L			03/23/12 17:12	1
Benzene	ND		0.10		ug/L			03/23/12 17:12	1
Bromobenzene	ND		0.10		ug/L			03/23/12 17:12	1
Bromoform	ND		0.10		ug/L			03/23/12 17:12	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 17:12	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 17:12	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 17:12	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 17:12	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 17:12	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 17:12	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 17:12	1
Chloroform	ND		0.10		ug/L			03/23/12 17:12	1
Chloromethane	ND		0.10		ug/L			03/23/12 17:12	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 17:12	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 17:12	1
Dibromomethane	ND		0.10		ug/L			03/23/12 17:12	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 17:12	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 17:12	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 17:12	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 17:12	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 17:12	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 17:12	1
Naphthalene	ND		0.40		ug/L			03/23/12 17:12	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
o-Xylene	ND		0.10		ug/L			03/23/12 17:12	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
Styrene	ND		0.10		ug/L			03/23/12 17:12	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 17:12	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 17:12	1
Toluene	ND		0.10		ug/L			03/23/12 17:12	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 17:12	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 17:12	1
Trichloroethene	ND		0.10		ug/L			03/23/12 17:12	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 17:12	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*03/23/12 17:12*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/23/12 17:12*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/23/12 17:12*	*1*
Trifluorotoluene (Surr)	*99*		*80 - 125*		*03/23/12 17:12*	*1*
Toluene-d8 (Surr)	*93*		*75 - 125*		*03/23/12 17:12*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031312-11
Date Collected: 03/13/12 11:50
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 17:38	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 17:38	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 17:38	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 17:38	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 17:38	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 17:38	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 17:38	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 17:38	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 17:38	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 17:38	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 17:38	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 17:38	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 17:38	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 17:38	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 17:38	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 17:38	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 17:38	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 17:38	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 17:38	1
2-Butanone	ND		2.0		ug/L			03/23/12 17:38	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 17:38	1
2-Hexanone	ND		1.0		ug/L			03/23/12 17:38	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 17:38	1
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 17:38	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 17:38	1
Acetone	ND		2.0		ug/L			03/23/12 17:38	1
Benzene	ND		0.10		ug/L			03/23/12 17:38	1
Bromobenzene	ND		0.10		ug/L			03/23/12 17:38	1
Bromoform	ND		0.10		ug/L			03/23/12 17:38	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 17:38	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 17:38	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 17:38	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 17:38	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 17:38	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 17:38	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 17:38	1
Chloroform	ND		0.10		ug/L			03/23/12 17:38	1
Chloromethane	ND		0.10		ug/L			03/23/12 17:38	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 17:38	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 17:38	1
Dibromomethane	ND		0.10		ug/L			03/23/12 17:38	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 17:38	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 17:38	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 17:38	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 17:38	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 17:38	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 17:38	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-11
Date Collected: 03/13/12 11:50
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/23/12 17:38	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
o-Xylene	ND		0.10		ug/L			03/23/12 17:38	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
Styrene	ND		0.10		ug/L			03/23/12 17:38	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 17:38	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 17:38	1
Toluene	ND		0.10		ug/L			03/23/12 17:38	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 17:38	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 17:38	1
Trichloroethene	ND		0.10		ug/L			03/23/12 17:38	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 17:38	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/23/12 17:38*	*1*
Ethylbenzene-d10	*97*		*75 - 125*		*03/23/12 17:38*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/23/12 17:38*	*1*
Trifluorotoluene (Surr)	*96*		*80 - 125*		*03/23/12 17:38*	*1*
Toluene-d8 (Surr)	*90*		*75 - 125*		*03/23/12 17:38*	*1*

Client Sample ID: LB-031312-12
Date Collected: 03/13/12 12:45
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 18:03	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 18:03	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 18:03	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 18:03	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 18:03	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 18:03	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 18:03	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 18:03	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 18:03	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 18:03	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 18:03	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 18:03	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:03	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 18:03	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 18:03	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:03	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 18:03	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:03	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 18:03	1
2-Butanone	ND		2.0		ug/L			03/23/12 18:03	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 18:03	1
2-Hexanone	ND		1.0		ug/L			03/23/12 18:03	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 18:03	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-12
Date Collected: 03/13/12 12:45
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 18:03	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 18:03	1
Acetone	ND		2.0		ug/L			03/23/12 18:03	1
Benzene	ND		0.10		ug/L			03/23/12 18:03	1
Bromobenzene	ND		0.10		ug/L			03/23/12 18:03	1
Bromoform	ND		0.10		ug/L			03/23/12 18:03	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 18:03	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 18:03	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 18:03	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 18:03	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 18:03	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 18:03	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 18:03	1
Chloroform	ND		0.10		ug/L			03/23/12 18:03	1
Chloromethane	ND		0.10		ug/L			03/23/12 18:03	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 18:03	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 18:03	1
Dibromomethane	ND		0.10		ug/L			03/23/12 18:03	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 18:03	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 18:03	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 18:03	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 18:03	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 18:03	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 18:03	1
Naphthalene	ND		0.40		ug/L			03/23/12 18:03	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
o-Xylene	ND		0.10		ug/L			03/23/12 18:03	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
Styrene	ND		0.10		ug/L			03/23/12 18:03	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 18:03	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 18:03	1
Toluene	ND		0.10		ug/L			03/23/12 18:03	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 18:03	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 18:03	1
Trichloroethene	ND		0.10		ug/L			03/23/12 18:03	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 18:03	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*03/23/12 18:03*	*1*
Ethylbenzene-d10	*99*		*75 - 125*		*03/23/12 18:03*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/23/12 18:03*	*1*
Trifluorotoluene (Surr)	*103*		*80 - 125*		*03/23/12 18:03*	*1*
Toluene-d8 (Surr)	*88*		*75 - 125*		*03/23/12 18:03*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031312-13
Date Collected: 03/13/12 13:35
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 18:28	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 18:28	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 18:28	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 18:28	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 18:28	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 18:28	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 18:28	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 18:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 18:28	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 18:28	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 18:28	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 18:28	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:28	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 18:28	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 18:28	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:28	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 18:28	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:28	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 18:28	1
2-Butanone	ND		2.0		ug/L			03/23/12 18:28	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 18:28	1
2-Hexanone	ND		1.0		ug/L			03/23/12 18:28	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 18:28	1
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 18:28	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 18:28	1
Acetone	ND		2.0		ug/L			03/23/12 18:28	1
Benzene	ND		0.10		ug/L			03/23/12 18:28	1
Bromobenzene	ND		0.10		ug/L			03/23/12 18:28	1
Bromoform	ND		0.10		ug/L			03/23/12 18:28	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 18:28	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 18:28	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 18:28	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 18:28	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 18:28	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 18:28	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 18:28	1
Chloroform	ND		0.10		ug/L			03/23/12 18:28	1
Chloromethane	ND		0.10		ug/L			03/23/12 18:28	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 18:28	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 18:28	1
Dibromomethane	ND		0.10		ug/L			03/23/12 18:28	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 18:28	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 18:28	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 18:28	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 18:28	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 18:28	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 18:28	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-13
Date Collected: 03/13/12 13:35
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/23/12 18:28	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
o-Xylene	ND		0.10		ug/L			03/23/12 18:28	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
Styrene	ND		0.10		ug/L			03/23/12 18:28	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 18:28	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 18:28	1
Toluene	ND		0.10		ug/L			03/23/12 18:28	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 18:28	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 18:28	1
Trichloroethene	ND		0.10		ug/L			03/23/12 18:28	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 18:28	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/23/12 18:28*	*1*
Ethylbenzene-d10	*94*		*75 - 125*		*03/23/12 18:28*	*1*
Fluorobenzene (Surr)	*99*		*70 - 130*		*03/23/12 18:28*	*1*
Trifluorotoluene (Surr)	*95*		*80 - 125*		*03/23/12 18:28*	*1*
Toluene-d8 (Surr)	*88*		*75 - 125*		*03/23/12 18:28*	*1*

Client Sample ID: LB-031312-14
Date Collected: 03/13/12 14:15
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-8
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 18:53	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 18:53	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 18:53	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 18:53	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 18:53	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 18:53	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 18:53	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 18:53	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 18:53	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 18:53	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 18:53	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 18:53	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:53	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 18:53	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 18:53	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:53	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 18:53	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 18:53	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 18:53	1
2-Butanone	ND		2.0		ug/L			03/23/12 18:53	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 18:53	1
2-Hexanone	ND		1.0		ug/L			03/23/12 18:53	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 18:53	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-14
Date Collected: 03/13/12 14:15
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-8
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 18:53	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 18:53	1
Acetone	ND		2.0		ug/L			03/23/12 18:53	1
Benzene	ND		0.10		ug/L			03/23/12 18:53	1
Bromobenzene	ND		0.10		ug/L			03/23/12 18:53	1
Bromoform	ND		0.10		ug/L			03/23/12 18:53	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 18:53	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 18:53	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 18:53	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 18:53	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 18:53	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 18:53	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 18:53	1
Chloroform	ND		0.10		ug/L			03/23/12 18:53	1
Chloromethane	ND		0.10		ug/L			03/23/12 18:53	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 18:53	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 18:53	1
Dibromomethane	ND		0.10		ug/L			03/23/12 18:53	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 18:53	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 18:53	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 18:53	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 18:53	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 18:53	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 18:53	1
Naphthalene	ND		0.40		ug/L			03/23/12 18:53	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
o-Xylene	ND		0.10		ug/L			03/23/12 18:53	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
Styrene	ND		0.10		ug/L			03/23/12 18:53	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 18:53	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 18:53	1
Toluene	ND		0.10		ug/L			03/23/12 18:53	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 18:53	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 18:53	1
Trichloroethene	ND		0.10		ug/L			03/23/12 18:53	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 18:53	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*03/23/12 18:53*	*1*
Ethylbenzene-d10	*93*		*75 - 125*		*03/23/12 18:53*	*1*
Fluorobenzene (Surr)	*98*		*70 - 130*		*03/23/12 18:53*	*1*
Trifluorotoluene (Surr)	*100*		*80 - 125*		*03/23/12 18:53*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*03/23/12 18:53*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-031312-15
Date Collected: 03/13/12 15:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-9
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 19:18	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 19:18	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 19:18	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 19:18	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 19:18	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 19:18	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 19:18	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 19:18	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 19:18	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 19:18	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 19:18	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 19:18	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 19:18	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 19:18	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 19:18	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 19:18	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 19:18	1
1,4-Dichlorobenzene	**0.20**		0.20		ug/L			03/23/12 19:18	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 19:18	1
2-Butanone	ND		2.0		ug/L			03/23/12 19:18	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 19:18	1
2-Hexanone	ND		1.0		ug/L			03/23/12 19:18	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 19:18	1
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 19:18	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 19:18	1
Acetone	ND		2.0		ug/L			03/23/12 19:18	1
Benzene	ND		0.10		ug/L			03/23/12 19:18	1
Bromobenzene	ND		0.10		ug/L			03/23/12 19:18	1
Bromoform	ND		0.10		ug/L			03/23/12 19:18	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 19:18	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 19:18	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 19:18	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 19:18	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 19:18	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 19:18	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 19:18	1
Chloroform	ND		0.10		ug/L			03/23/12 19:18	1
Chloromethane	ND		0.10		ug/L			03/23/12 19:18	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 19:18	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 19:18	1
Dibromomethane	ND		0.10		ug/L			03/23/12 19:18	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 19:18	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 19:18	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 19:18	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 19:18	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 19:18	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 19:18	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-15
Date Collected: 03/13/12 15:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-9
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/23/12 19:18	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
o-Xylene	ND		0.10		ug/L			03/23/12 19:18	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
Styrene	ND		0.10		ug/L			03/23/12 19:18	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 19:18	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 19:18	1
Toluene	ND		0.10		ug/L			03/23/12 19:18	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 19:18	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 19:18	1
Trichloroethene	ND		0.10		ug/L			03/23/12 19:18	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 19:18	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*03/23/12 19:18*	*1*
Ethylbenzene-d10	*95*		*75 - 125*		*03/23/12 19:18*	*1*
Fluorobenzene (Surr)	*101*		*70 - 130*		*03/23/12 19:18*	*1*
Trifluorotoluene (Surr)	*108*		*80 - 125*		*03/23/12 19:18*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*03/23/12 19:18*	*1*

Client Sample ID: LB-031312-16
Date Collected: 03/13/12 15:48
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-10
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 19:44	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 19:44	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 19:44	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 19:44	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 19:44	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 19:44	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 19:44	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 19:44	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 19:44	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 19:44	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 19:44	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 19:44	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 19:44	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 19:44	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 19:44	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 19:44	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 19:44	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 19:44	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 19:44	1
2-Butanone	ND		2.0		ug/L			03/23/12 19:44	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 19:44	1
2-Hexanone	ND		1.0		ug/L			03/23/12 19:44	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 19:44	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-031312-16
Date Collected: 03/13/12 15:48
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-10
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 19:44	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 19:44	1
Acetone	ND		2.0		ug/L			03/23/12 19:44	1
Benzene	ND		0.10		ug/L			03/23/12 19:44	1
Bromobenzene	ND		0.10		ug/L			03/23/12 19:44	1
Bromoform	ND		0.10		ug/L			03/23/12 19:44	1
Bromomethane	ND	*	0.10		ug/L			03/23/12 19:44	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 19:44	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 19:44	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 19:44	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 19:44	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 19:44	1
Chloroethane	ND	*	0.25		ug/L			03/23/12 19:44	1
Chloroform	ND		0.10		ug/L			03/23/12 19:44	1
Chloromethane	ND		0.10		ug/L			03/23/12 19:44	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 19:44	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 19:44	1
Dibromomethane	ND		0.10		ug/L			03/23/12 19:44	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 19:44	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 19:44	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 19:44	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 19:44	1
Methylene Chloride	ND		0.50		ug/L			03/23/12 19:44	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 19:44	1
Naphthalene	ND		0.40		ug/L			03/23/12 19:44	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
o-Xylene	ND		0.10		ug/L			03/23/12 19:44	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
Styrene	ND		0.10		ug/L			03/23/12 19:44	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 19:44	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 19:44	1
Toluene	ND		0.10		ug/L			03/23/12 19:44	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 19:44	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 19:44	1
Trichloroethene	ND		0.10		ug/L			03/23/12 19:44	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 19:44	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/23/12 19:44*	*1*
Ethylbenzene-d10	*95*		*75 - 125*		*03/23/12 19:44*	*1*
Fluorobenzene (Surr)	*98*		*70 - 130*		*03/23/12 19:44*	*1*
Trifluorotoluene (Surr)	*100*		*80 - 125*		*03/23/12 19:44*	*1*
Toluene-d8 (Surr)	*90*		*75 - 125*		*03/23/12 19:44*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: LB-031312-07 — **Lab Sample ID: 250-743-1**
Date Collected: 03/13/12 08:27 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 15:55	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 15:55	1

Client Sample ID: LB-031312-08 — **Lab Sample ID: 250-743-2**
Date Collected: 03/13/12 09:00 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:13	1
Manganese	**0.0023**		0.0020		mg/L		03/19/12 11:07	03/20/12 16:13	1

Client Sample ID: LB-031312-09 — **Lab Sample ID: 250-743-3**
Date Collected: 03/13/12 09:49 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:21	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 16:21	1

Client Sample ID: LB-031312-10 — **Lab Sample ID: 250-743-4**
Date Collected: 03/13/12 10:40 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:24	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 16:24	1

Client Sample ID: LB-031312-11 — **Lab Sample ID: 250-743-5**
Date Collected: 03/13/12 11:50 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:28	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 16:28	1

Client Sample ID: LB-031312-12 — **Lab Sample ID: 250-743-6**
Date Collected: 03/13/12 12:45 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:31	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 16:31	1

Client Sample ID: LB-031312-13 — **Lab Sample ID: 250-743-7**
Date Collected: 03/13/12 13:35 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:35	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 16:35	1

Client Sample ID: LB-031312-14 — **Lab Sample ID: 250-743-8**
Date Collected: 03/13/12 14:15 — **Matrix: Water**
Date Received: 03/14/12 11:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 16:38	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 16:38	1

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: LB-031312-15
Date Collected: 03/13/12 15:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.076		0.025		mg/L		03/19/12 11:07	03/20/12 16:50	1
Manganese	2.4		0.020		mg/L		03/19/12 11:07	03/20/12 19:44	10

Client Sample ID: LB-031312-16
Date Collected: 03/13/12 15:48
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	6.8		0.25		mg/L		03/19/12 11:07	03/20/12 19:47	10
Manganese	0.98		0.020		mg/L		03/19/12 11:07	03/20/12 19:47	10

General Chemistry

Client Sample ID: LB-031312-07
Date Collected: 03/13/12 08:27
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	280		10		mg/L			03/20/12 16:01	1
Chloride	20		0.50		mg/L			03/15/12 03:41	1
Nitrogen, Nitrate	1.8		0.10		mg/L			03/15/12 03:41	1

Client Sample ID: LB-031312-08
Date Collected: 03/13/12 09:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330		10		mg/L			03/20/12 16:01	1
Chloride	26		0.50		mg/L			03/15/12 03:56	1
Nitrogen, Nitrate	0.99		0.10		mg/L			03/15/12 03:56	1

Client Sample ID: LB-031312-09
Date Collected: 03/13/12 09:49
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	180		10		mg/L			03/20/12 16:01	1
Chloride	4.1		0.50		mg/L			03/15/12 04:43	1
Nitrogen, Nitrate	4.6		0.10		mg/L			03/15/12 04:43	1

Client Sample ID: LB-031312-10
Date Collected: 03/13/12 10:40
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	170		10		mg/L			03/20/12 16:01	1
Chloride	3.7		0.50		mg/L			03/15/12 04:58	1
Nitrogen, Nitrate	3.8		0.10		mg/L			03/15/12 04:58	1

Client Sample ID: LB-031312-11
Date Collected: 03/13/12 11:50
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10		mg/L			03/20/12 16:01	1
Chloride	3.6		0.50		mg/L			03/15/12 05:14	1
Nitrogen, Nitrate	7.1		0.10		mg/L			03/15/12 05:14	1

Client Sample ID: LB-031312-12
Date Collected: 03/13/12 12:45
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10		mg/L			03/20/12 16:01	1
Chloride	3.3		0.50		mg/L			03/15/12 05:30	1
Nitrogen, Nitrate	2.8		0.10		mg/L			03/15/12 05:30	1

Client Sample ID: LB-031312-13
Date Collected: 03/13/12 13:35
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	190		10		mg/L			03/20/12 16:01	1
Chloride	7.4		0.50		mg/L			03/15/12 05:45	1
Nitrogen, Nitrate	6.0		0.10		mg/L			03/15/12 05:45	1

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

General Chemistry

Client Sample ID: LB-031312-14
Date Collected: 03/13/12 14:15
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-8
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**210**		10		mg/L			03/20/12 16:01	1
Chloride	**5.2**		0.50		mg/L			03/15/12 06:01	1
Nitrogen, Nitrate	**6.0**		0.10		mg/L			03/15/12 06:01	1

Client Sample ID: LB-031312-15
Date Collected: 03/13/12 15:00
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-9
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**240**		10		mg/L			03/20/12 16:01	1
Chloride	**6.2**		0.50		mg/L			03/15/12 06:16	1
Nitrogen, Nitrate	ND		0.10		mg/L			03/15/12 06:16	1

Client Sample ID: LB-031312-16
Date Collected: 03/13/12 15:48
Date Received: 03/14/12 11:33

Lab Sample ID: 250-743-10
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**240**		10		mg/L			03/20/12 16:01	1
Chloride	**12**		0.50		mg/L			03/15/12 06:32	1
Nitrogen, Nitrate	ND		0.10		mg/L			03/15/12 06:32	1

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Lab Sample ID: MB 580-107852/5
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 13:00	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/23/12 13:00	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/23/12 13:00	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/23/12 13:00	1
1,1-Dichloroethane	ND		0.10		ug/L			03/23/12 13:00	1
1,1-Dichloroethene	ND		0.10		ug/L			03/23/12 13:00	1
1,1-Dichloropropene	ND		0.10		ug/L			03/23/12 13:00	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/23/12 13:00	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/23/12 13:00	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/23/12 13:00	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/23/12 13:00	1
1,2-Dibromoethane	ND		0.10		ug/L			03/23/12 13:00	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/23/12 13:00	1
1,2-Dichloroethane	ND		0.10		ug/L			03/23/12 13:00	1
1,2-Dichloropropane	ND		0.10		ug/L			03/23/12 13:00	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/23/12 13:00	1
1,3-Dichloropropane	ND		0.10		ug/L			03/23/12 13:00	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/23/12 13:00	1
2,2-Dichloropropane	ND		0.10		ug/L			03/23/12 13:00	1
2-Butanone	ND		2.0		ug/L			03/23/12 13:00	1
2-Chlorotoluene	ND		0.10		ug/L			03/23/12 13:00	1
2-Hexanone	ND		1.0		ug/L			03/23/12 13:00	1
4-Chlorotoluene	ND		0.20		ug/L			03/23/12 13:00	1
4-Isopropyltoluene	ND		0.20		ug/L			03/23/12 13:00	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/23/12 13:00	1
Acetone	ND		2.0		ug/L			03/23/12 13:00	1
Benzene	ND		0.10		ug/L			03/23/12 13:00	1
Bromobenzene	ND		0.10		ug/L			03/23/12 13:00	1
Bromoform	ND		0.10		ug/L			03/23/12 13:00	1
Bromomethane	ND		0.10		ug/L			03/23/12 13:00	1
Carbon disulfide	ND		0.10		ug/L			03/23/12 13:00	1
Carbon tetrachloride	ND		0.10		ug/L			03/23/12 13:00	1
Chlorobenzene	ND		0.10		ug/L			03/23/12 13:00	1
Chlorobromomethane	ND		0.10		ug/L			03/23/12 13:00	1
Chlorodibromomethane	ND		0.10		ug/L			03/23/12 13:00	1
Chloroethane	ND		0.25		ug/L			03/23/12 13:00	1
Chloroform	ND		0.10		ug/L			03/23/12 13:00	1
Chloromethane	ND		0.10		ug/L			03/23/12 13:00	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 13:00	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 13:00	1
Dibromomethane	ND		0.10		ug/L			03/23/12 13:00	1
Dichlorobromomethane	ND		0.10		ug/L			03/23/12 13:00	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/23/12 13:00	1
Ethylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
Hexachlorobutadiene	ND		0.20		ug/L			03/23/12 13:00	1
Isopropylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/23/12 13:00	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: MB 580-107852/5
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50		ug/L			03/23/12 13:00	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/23/12 13:00	1
Naphthalene	ND		0.40		ug/L			03/23/12 13:00	1
n-Butylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
N-Propylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
o-Xylene	ND		0.10		ug/L			03/23/12 13:00	1
sec-Butylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
Styrene	ND		0.10		ug/L			03/23/12 13:00	1
tert-Butylbenzene	ND		0.10		ug/L			03/23/12 13:00	1
Tetrachloroethene	ND		0.10		ug/L			03/23/12 13:00	1
Toluene	ND		0.10		ug/L			03/23/12 13:00	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/23/12 13:00	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/23/12 13:00	1
Trichloroethene	ND		0.10		ug/L			03/23/12 13:00	1
Trichlorofluoromethane	ND		0.10		ug/L			03/23/12 13:00	1
Vinyl chloride	ND		0.020		ug/L			03/23/12 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*75 - 120*		*03/23/12 13:00*	*1*
Ethylbenzene-d10	*96*		*75 - 125*		*03/23/12 13:00*	*1*
Fluorobenzene (Surr)	*100*		*70 - 130*		*03/23/12 13:00*	*1*
Trifluorotoluene (Surr)	*97*		*80 - 125*		*03/23/12 13:00*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*03/23/12 13:00*	*1*

Lab Sample ID: LCS 580-107852/6
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.93	4.65		ug/L		94	75 - 125
1,1,1-Trichloroethane	5.00	5.78		ug/L		116	80 - 140
1,1,2,2-Tetrachloroethane	5.00	4.93		ug/L		99	75 - 125
1,1,2-Trichloroethane	4.94	4.88		ug/L		99	80 - 130
1,1-Dichloroethane	4.95	6.02		ug/L		122	75 - 135
1,1-Dichloroethene	4.95	5.19		ug/L		105	70 - 150
1,1-Dichloropropene	4.96	5.22		ug/L		105	80 - 130
1,2,3-Trichlorobenzene	5.00	3.86		ug/L		77	60 - 125
1,2,3-Trichloropropane	4.93	4.17		ug/L		85	75 - 120
1,2,4-Trichlorobenzene	4.97	3.55		ug/L		71	60 - 125
1,2,4-Trimethylbenzene	5.01	4.74		ug/L		95	80 - 125
1,2-Dibromo-3-Chloropropane	5.00	3.82		ug/L		76	55 - 120
1,2-Dibromoethane	5.00	4.82		ug/L		96	70 - 130
1,2-Dichlorobenzene	4.91	4.93		ug/L		100	80 - 130
1,2-Dichloroethane	4.96	5.20		ug/L		105	80 - 140
1,2-Dichloropropane	5.00	4.65		ug/L		93	80 - 120
1,3,5-Trimethylbenzene	5.00	4.77		ug/L		95	80 - 125
1,3-Dichlorobenzene	4.99	5.02		ug/L		101	80 - 120
1,3-Dichloropropane	5.00	4.76		ug/L		95	80 - 130
1,4-Dichlorobenzene	5.00	4.97		ug/L		99	80 - 120

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCS 580-107852/6
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	5.01	5.41		ug/L		108	60 - 150
2-Butanone	10.0	12.6		ug/L		126	20 - 200
2-Chlorotoluene	4.95	5.01		ug/L		101	75 - 130
2-Hexanone	9.83	9.31		ug/L		95	52 - 160
4-Chlorotoluene	4.93	5.11		ug/L		104	75 - 130
4-Isopropyltoluene	5.00	4.48		ug/L		90	80 - 120
4-Methyl-2-pentanone	9.97	7.85		ug/L		79	55 - 135
Acetone	10.0	19.9		ug/L		199	30 - 200
Benzene	4.98	5.18		ug/L		104	80 - 120
Bromobenzene	4.98	4.87		ug/L		98	80 - 130
Bromoform	4.98	4.13		ug/L		83	65 - 130
Bromomethane	5.02	4.19		ug/L		83	70 - 135
Carbon disulfide	10.0	8.74		ug/L		87	65 - 160
Carbon tetrachloride	5.01	5.05		ug/L		101	75 - 140
Chlorobenzene	5.00	5.14		ug/L		103	80 - 120
Chlorobromomethane	4.96	5.13		ug/L		103	80 - 125
Chlorodibromomethane	4.96	4.13		ug/L		83	70 - 120
Chloroethane	5.00	6.24		ug/L		125	75 - 140
Chloroform	5.00	5.43		ug/L		109	80 - 130
Chloromethane	5.02	4.77		ug/L		95	50 - 140
cis-1,2-Dichloroethene	5.00	4.85		ug/L		97	80 - 130
cis-1,3-Dichloropropene	5.25	4.06		ug/L		77	70 - 120
Dibromomethane	4.93	4.97		ug/L		101	80 - 130
Dichlorobromomethane	4.94	4.42		ug/L		90	80 - 125
Dichlorodifluoromethane	5.00	5.27		ug/L		105	30 - 180
Ethylbenzene	4.96	4.81		ug/L		97	80 - 125
Hexachlorobutadiene	5.00	4.60		ug/L		92	75 - 135
Isopropylbenzene	5.00	4.03		ug/L		81	75 - 120
Methyl tert-butyl ether	5.00	4.59		ug/L		92	75 - 120
Methylene Chloride	5.00	5.42		ug/L		108	60 - 145
m-Xylene & p-Xylene	9.99	10.5		ug/L		105	80 - 130
Naphthalene	5.00	3.06		ug/L		61	45 - 130
n-Butylbenzene	4.95	4.63		ug/L		94	75 - 125
N-Propylbenzene	5.00	4.47		ug/L		89	80 - 120
o-Xylene	4.95	4.63		ug/L		94	80 - 120
sec-Butylbenzene	5.00	4.83		ug/L		97	80 - 125
Styrene	4.99	4.63		ug/L		93	75 - 130
tert-Butylbenzene	4.98	4.93		ug/L		99	80 - 130
Tetrachloroethene	5.01	3.24		ug/L		65	40 - 180
Toluene	5.00	5.18		ug/L		104	80 - 120
trans-1,2-Dichloroethene	5.01	5.44		ug/L		109	80 - 140
trans-1,3-Dichloropropene	4.75	3.72		ug/L		78	60 - 140
Trichloroethene	5.00	5.36		ug/L		107	80 - 130
Trichlorofluoromethane	5.00	6.09		ug/L		122	30 - 180
Vinyl chloride	5.01	5.92		ug/L		118	65 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*
Ethylbenzene-d10	*100*		*75 - 125*

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCS 580-107852/6
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Fluorobenzene (Surr)	*101*		*70 - 130*
Trifluorotoluene (Surr)	*113*		*80 - 125*
Toluene-d8 (Surr)	*106*		*75 - 125*

Lab Sample ID: LCSD 580-107852/7
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			4.93	4.57		ug/L		93	75 - 125	2	20
1,1,1-Trichloroethane			5.00	5.98		ug/L		120	80 - 140	3	20
1,1,2,2-Tetrachloroethane			5.00	4.69		ug/L		94	75 - 125	5	20
1,1,2-Trichloroethane			4.94	5.10		ug/L		103	80 - 130	4	20
1,1-Dichloroethane			4.95	5.88		ug/L		119	75 - 135	2	20
1,1-Dichloroethene			4.95	5.44		ug/L		110	70 - 150	5	20
1,1-Dichloropropene			4.96	5.17		ug/L		104	80 - 130	1	20
1,2,3-Trichlorobenzene			5.00	3.98		ug/L		80	60 - 125	3	20
1,2,3-Trichloropropane			4.93	4.63		ug/L		94	75 - 120	10	20
1,2,4-Trichlorobenzene			4.97	3.86		ug/L		78	60 - 125	8	20
1,2,4-Trimethylbenzene			5.01	4.77		ug/L		95	80 - 125	1	20
1,2-Dibromo-3-Chloropropane			5.00	3.94		ug/L		79	55 - 120	3	20
1,2-Dibromoethane			5.00	4.90		ug/L		98	70 - 130	2	20
1,2-Dichlorobenzene			4.91	5.13		ug/L		104	80 - 130	4	20
1,2-Dichloroethane			4.96	5.53		ug/L		112	80 - 140	6	20
1,2-Dichloropropane			5.00	4.78		ug/L		96	80 - 120	3	20
1,3,5-Trimethylbenzene			5.00	4.77		ug/L		95	80 - 125	0	20
1,3-Dichlorobenzene			4.99	5.11		ug/L		102	80 - 120	2	20
1,3-Dichloropropane			5.00	4.80		ug/L		96	80 - 130	1	20
1,4-Dichlorobenzene			5.00	5.15		ug/L		103	80 - 120	4	20
2,2-Dichloropropane			5.01	5.66		ug/L		113	60 - 150	5	20
2-Butanone			10.0	12.8		ug/L		128	20 - 200	2	20
2-Chlorotoluene			4.95	4.98		ug/L		101	75 - 130	1	20
2-Hexanone			9.83	9.70		ug/L		99	52 - 160	4	20
4-Chlorotoluene			4.93	5.10		ug/L		104	75 - 130	0	20
4-Isopropyltoluene			5.00	4.53		ug/L		91	80 - 120	1	20
4-Methyl-2-pentanone			9.97	8.34		ug/L		84	55 - 135	6	20
Acetone			10.0	16.5		ug/L		165	30 - 200	19	20
Benzene			4.98	5.45		ug/L		109	80 - 120	5	20
Bromobenzene			4.98	4.86		ug/L		98	80 - 130	0	20
Bromoform			4.98	4.07		ug/L		82	65 - 130	1	20
Bromomethane			5.02	6.27	*	ug/L		125	70 - 135	40	20
Carbon disulfide			10.0	10.1		ug/L		101	65 - 160	14	20
Carbon tetrachloride			5.01	5.25		ug/L		105	75 - 140	4	20
Chlorobenzene			5.00	4.86		ug/L		97	80 - 120	6	20
Chlorobromomethane			4.96	5.35		ug/L		108	80 - 125	4	20
Chlorodibromomethane			4.96	4.21		ug/L		85	70 - 120	2	20
Chloroethane			5.00	7.34	*	ug/L		147	75 - 140	16	20
Chloroform			5.00	5.60		ug/L		112	80 - 130	3	20
Chloromethane			5.02	5.15		ug/L		103	50 - 140	8	20

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCSD 580-107852/7
Matrix: Water
Analysis Batch: 107852

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			5.00	5.02		ug/L		100	80 - 130	3	20
cis-1,3-Dichloropropene			5.25	4.09		ug/L		78	70 - 120	1	20
Dibromomethane			4.93	5.25		ug/L		106	80 - 130	5	20
Dichlorobromomethane			4.94	4.52		ug/L		92	80 - 125	2	20
Dichlorodifluoromethane			5.00	6.02		ug/L		120	30 - 180	13	20
Ethylbenzene			4.96	4.73		ug/L		95	80 - 125	2	20
Hexachlorobutadiene			5.00	5.07		ug/L		101	75 - 135	10	20
Isopropylbenzene			5.00	3.92		ug/L		78	75 - 120	3	20
Methyl tert-butyl ether			5.00	4.66		ug/L		93	75 - 120	2	20
Methylene Chloride			5.00	5.78		ug/L		116	60 - 145	6	20
m-Xylene & p-Xylene			9.99	10.1		ug/L		101	80 - 130	4	20
Naphthalene			5.00	3.17		ug/L		63	45 - 130	4	20
n-Butylbenzene			4.95	4.77		ug/L		96	75 - 125	3	20
N-Propylbenzene			5.00	4.32		ug/L		86	80 - 120	3	20
o-Xylene			4.95	4.46		ug/L		90	80 - 120	4	20
sec-Butylbenzene			5.00	4.78		ug/L		96	80 - 125	1	20
Styrene			4.99	4.39		ug/L		88	75 - 130	5	20
tert-Butylbenzene			4.98	4.56		ug/L		92	80 - 130	8	20
Tetrachloroethene			5.01	3.43		ug/L		69	40 - 180	6	20
Toluene			5.00	5.36		ug/L		107	80 - 120	3	20
trans-1,2-Dichloroethene			5.01	5.44		ug/L		109	80 - 140	0	20
trans-1,3-Dichloropropene			4.75	3.81		ug/L		80	60 - 140	2	20
Trichloroethene			5.00	5.64		ug/L		113	80 - 130	5	20
Trichlorofluoromethane			5.00	6.88		ug/L		138	30 - 180	12	20
Vinyl chloride			5.01	6.91		ug/L		138	65 - 140	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*75 - 120*
Ethylbenzene-d10	*99*		*75 - 125*
Fluorobenzene (Surr)	*104*		*70 - 130*
Trifluorotoluene (Surr)	*110*		*80 - 125*
Toluene-d8 (Surr)	*106*		*75 - 125*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 250-2450/1-A
Matrix: Water
Analysis Batch: 2554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/19/12 11:07	03/20/12 15:48	1
Manganese	ND		0.0020		mg/L		03/19/12 11:07	03/20/12 15:48	1

Lab Sample ID: LCS 250-2450/2-A
Matrix: Water
Analysis Batch: 2554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron			2.00	1.96		mg/L		98	80 - 120		

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 250-2450/2-A
Matrix: Water
Analysis Batch: 2554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Manganese			0.100	0.0941		mg/L		94	80 - 120		

Lab Sample ID: 250-743-2 MS
Matrix: Water
Analysis Batch: 2554

Client Sample ID: LB-031312-08
Prep Type: Dissolved
Prep Batch: 2450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron	ND		2.00	1.96		mg/L		97	75 - 125		
Manganese	0.0023		0.100	0.0974		mg/L		95	75 - 125		

Lab Sample ID: 250-743-1 DU
Matrix: Water
Analysis Batch: 2554

Client Sample ID: LB-031312-07
Prep Type: Dissolved
Prep Batch: 2450

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Iron	ND			ND		mg/L				NC	20
Manganese	ND			ND		mg/L				NC	20

Method: 160.1 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 250-2531/1
Matrix: Water
Analysis Batch: 2531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			03/20/12 16:01	1

Lab Sample ID: LCS 250-2531/2
Matrix: Water
Analysis Batch: 2531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			100	101		mg/L		101	80 - 120		

Lab Sample ID: 250-743-3 DU
Matrix: Water
Analysis Batch: 2531

Client Sample ID: LB-031312-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	180			176		mg/L				NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 250-2322/44
Matrix: Water
Analysis Batch: 2322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50		mg/L			03/15/12 00:02	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 250-2322/45
Matrix: Water
Analysis Batch: 2322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.1		mg/L		101	90 - 110		

Lab Sample ID: MB 250-2323/44
Matrix: Water
Analysis Batch: 2323

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate	ND		0.10			mg/L			03/15/12 00:02	1

Lab Sample ID: LCS 250-2323/45
Matrix: Water
Analysis Batch: 2323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrate			5.00	4.97		mg/L		99	90 - 110		

Lab Sample ID: 250-717-E-5 MSD
Matrix: Water
Analysis Batch: 2323

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrate	6.3		2.00	7.76	F	mg/L		71	80 - 120	0	20

Lab Sample ID: 250-717-E-6 MS
Matrix: Water
Analysis Batch: 2323

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrate	3.8		2.00	5.56		mg/L		86	80 - 120		

Lab Sample ID: 250-717-E-5 DU
Matrix: Water
Analysis Batch: 2323

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrogen, Nitrate	6.3		6.35		mg/L		0.05	20

GC/MS VOA

Analysis Batch: 107852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-743-1	LB-031312-07	Total/NA	Water	8260B	
250-743-2	LB-031312-08	Total/NA	Water	8260B	
250-743-3	LB-031312-09	Total/NA	Water	8260B	
250-743-4	LB-031312-10	Total/NA	Water	8260B	
250-743-5	LB-031312-11	Total/NA	Water	8260B	
250-743-6	LB-031312-12	Total/NA	Water	8260B	
250-743-7	LB-031312-13	Total/NA	Water	8260B	
250-743-8	LB-031312-14	Total/NA	Water	8260B	
250-743-9	LB-031312-15	Total/NA	Water	8260B	
250-743-10	LB-031312-16	Total/NA	Water	8260B	
LCS 580-107852/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 580-107852/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 580-107852/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 2450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-743-1	LB-031312-07	Dissolved	Water	3005A	
250-743-1 DU	LB-031312-07	Dissolved	Water	3005A	
250-743-2	LB-031312-08	Dissolved	Water	3005A	
250-743-2 MS	LB-031312-08	Dissolved	Water	3005A	
250-743-3	LB-031312-09	Dissolved	Water	3005A	
250-743-4	LB-031312-10	Dissolved	Water	3005A	
250-743-5	LB-031312-11	Dissolved	Water	3005A	
250-743-6	LB-031312-12	Dissolved	Water	3005A	
250-743-7	LB-031312-13	Dissolved	Water	3005A	
250-743-8	LB-031312-14	Dissolved	Water	3005A	
250-743-9	LB-031312-15	Dissolved	Water	3005A	
250-743-10	LB-031312-16	Dissolved	Water	3005A	
LCS 250-2450/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 250-2450/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 2554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-743-1	LB-031312-07	Dissolved	Water	6020	2450
250-743-1 DU	LB-031312-07	Dissolved	Water	6020	2450
250-743-2	LB-031312-08	Dissolved	Water	6020	2450
250-743-2 MS	LB-031312-08	Dissolved	Water	6020	2450
250-743-3	LB-031312-09	Dissolved	Water	6020	2450
250-743-4	LB-031312-10	Dissolved	Water	6020	2450
250-743-5	LB-031312-11	Dissolved	Water	6020	2450
250-743-6	LB-031312-12	Dissolved	Water	6020	2450
250-743-7	LB-031312-13	Dissolved	Water	6020	2450
250-743-8	LB-031312-14	Dissolved	Water	6020	2450
250-743-9	LB-031312-15	Dissolved	Water	6020	2450
250-743-9	LB-031312-15	Dissolved	Water	6020	2450
250-743-10	LB-031312-16	Dissolved	Water	6020	2450
LCS 250-2450/2-A	Lab Control Sample	Total/NA	Water	6020	2450
MB 250-2450/1-A	Method Blank	Total/NA	Water	6020	2450

General Chemistry

Analysis Batch: 2322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-743-1	LB-031312-07	Total/NA	Water	300.0	
250-743-2	LB-031312-08	Total/NA	Water	300.0	
250-743-3	LB-031312-09	Total/NA	Water	300.0	
250-743-4	LB-031312-10	Total/NA	Water	300.0	
250-743-5	LB-031312-11	Total/NA	Water	300.0	
250-743-6	LB-031312-12	Total/NA	Water	300.0	
250-743-7	LB-031312-13	Total/NA	Water	300.0	
250-743-8	LB-031312-14	Total/NA	Water	300.0	
250-743-9	LB-031312-15	Total/NA	Water	300.0	
250-743-10	LB-031312-16	Total/NA	Water	300.0	
LCS 250-2322/45	Lab Control Sample	Total/NA	Water	300.0	
MB 250-2322/44	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-717-E-5 DU	Duplicate	Total/NA	Water	300.0	
250-717-E-5 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
250-717-E-6 MS	Matrix Spike	Total/NA	Water	300.0	
250-743-1	LB-031312-07	Total/NA	Water	300.0	
250-743-2	LB-031312-08	Total/NA	Water	300.0	
250-743-3	LB-031312-09	Total/NA	Water	300.0	
250-743-4	LB-031312-10	Total/NA	Water	300.0	
250-743-5	LB-031312-11	Total/NA	Water	300.0	
250-743-6	LB-031312-12	Total/NA	Water	300.0	
250-743-7	LB-031312-13	Total/NA	Water	300.0	
250-743-8	LB-031312-14	Total/NA	Water	300.0	
250-743-9	LB-031312-15	Total/NA	Water	300.0	
250-743-10	LB-031312-16	Total/NA	Water	300.0	
LCS 250-2323/45	Lab Control Sample	Total/NA	Water	300.0	
MB 250-2323/44	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-743-1	LB-031312-07	Total/NA	Water	160.1	
250-743-2	LB-031312-08	Total/NA	Water	160.1	
250-743-3	LB-031312-09	Total/NA	Water	160.1	
250-743-3 DU	LB-031312-09	Total/NA	Water	160.1	
250-743-4	LB-031312-10	Total/NA	Water	160.1	
250-743-5	LB-031312-11	Total/NA	Water	160.1	
250-743-6	LB-031312-12	Total/NA	Water	160.1	
250-743-7	LB-031312-13	Total/NA	Water	160.1	
250-743-8	LB-031312-14	Total/NA	Water	160.1	
250-743-9	LB-031312-15	Total/NA	Water	160.1	
250-743-10	LB-031312-16	Total/NA	Water	160.1	
LCS 250-2531/2	Lab Control Sample	Total/NA	Water	160.1	
MB 250-2531/1	Method Blank	Total/NA	Water	160.1	

Certification Summary

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	Alaska (UST)	State Program	10	UST-012
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	Federal		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-743-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds by GC/MS (Low Level)	SW846	TAL SEA
6020	Metals (ICP/MS)	SW846	TAL PRT
160.1	Solids, Total Dissolved (TDS)	MCAWW	TAL PRT
300.0	Anions, Ion Chromatography	MCAWW	TAL PRT

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ☒
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 250-743

CLIENT: SCS Engineers

INVOICE TO: SCS Engineers Portland, OR

REPORT TO: David Lamadrid

ADDRESS: 14945 SW Sequoia Pkwy. Ste 150 Portland, OR 97224

PHONE: 503 639-9315 FAX:

P.O. NUMBER:

PROJECT NAME: Leichner Brothers Landfill

PROJECT NUMBER: 04212030.01/.17

SAMPLED BY: TAndrews

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | | HNO3 | | — | — | —

REQUESTED ANALYSES: VOCs 8260 (low level) | | Diss Metals Fe, Mn | | TDS (160.1) | Chloride (300.0) | Nitrate (300.0)

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	LB-031312-07	3/13/12 @ 827	W	5	low level VOCs	
2	LB-031312-08	3/13/12 @ 900	W	5	Samples were Field Filtered	
3	LB-031312-09	3/13/12 @ 949	W	5	for Diss Metals	
4	LB-031312-10	3/13/12 @ 1040	W	5		
5	LB-031312-11	3/13/12 @ 1150	W	5		
6	LB 031312-12	3/13/12 @ 1245	W	5		
7	LB-031312-13	3/13/12 @ 1335	W	5		
8	LB-031312-14	3/13/12 @ 1415	W	5		
9	LB-031312-15	3/13/12 @ 1500	W	5		
10	LB-031312-16	3/13/12 @ 1548	W	5		

RELEASED BY: JM Andrews — DATE: 3/14/12
PRINT NAME: TAndrews — FIRM: SCS Engineers — TIME: 800

RECEIVED BY: — DATE: 3/14/12
PRINT NAME: Bob F — FIRM: TAP — TIME: 11:17

RELEASED BY: — DATE: 3/14/12
PRINT NAME: Bob F — FIRM: TAP — TIME: 1133

RECEIVED BY: — DATE: 3/14/12
PRINT NAME: — FIRM: TAP — TIME: 1133

ADDITIONAL REMARKS:

TEMP: 3.8 — PAGE OF

TAL-1000(0408)

IR Plastic loose

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 250-743-1

Login Number: 743

List Number: 1

Creator: Morgan, Jessica

List Source: TestAmerica Portland

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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.	True	
Samples were received on ice.	True	
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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 250-743-1

Login Number: 743
List Number: 1
Creator: Blankinship, Tom

List Source: TestAmerica Seattle
List Creation: 03/19/12 02:03 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-1073-1
TestAmerica Sample Delivery Group: 04212030.01/.17
Client Project/Site: Leichner Landfill - Wash.
Revision: 1

For:
SCS Engineers
14945 SW Sequoia Parkway
Suite 180
Portland, Oregon 97224

Attn: Mr. David Lamadrid

Vanessa Frahs

Authorized for release by:
6/11/2012 6:45:44 PM

Vanessa Frahs
Project Manager I
vanessa.frahs@testamericainc.com

Table of Contents

Sample Summary

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-1073-1	LB-032212-17	Water	03/22/12 09:55	03/23/12 10:55
250-1073-2	LB-032212-18	Water	03/22/12 10:50	03/23/12 10:55
250-1073-3	LB-032212-19	Water	03/22/12 13:15	03/23/12 10:55
250-1073-4	LB-032212-20	Water	03/22/12 12:00	03/23/12 10:55
250-1073-5	LB-032212-21	Water	03/22/12 14:05	03/23/12 10:55
250-1073-6	LB-032212-22	Water	03/22/12 14:00	03/23/12 10:55
250-1073-7	LB-032212-23	Water	03/22/12 15:30	03/23/12 10:55

Job ID: 250-1073-1

Laboratory: TestAmerica Portland

Narrative

Job Narrative
250-1073-1

Comment
Revised Report - This includes 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, and carbon disulfide in the 8260 Volatiles list.

Receipt
The samples were received on 3/23/2012 10:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) for Tetrachloroethene associated with batch 580-108189 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been flagged as appropriate and reported.

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 580-108189 exceeded control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS and LCSD but was not detected in the associated samples at a concentration above the reporting limit; therefore, the data have been flagged as appropriate and reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Field Service / Mobile Lab
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-032212-17
Date Collected: 03/22/12 09:55
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 08:20	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 08:20	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 08:20	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 08:20	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 08:20	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 08:20	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 08:20	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 08:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 08:20	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 08:20	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 08:20	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 08:20	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 08:20	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 08:20	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 08:20	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 08:20	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 08:20	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 08:20	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 08:20	1
2-Butanone	ND		2.0		ug/L			03/30/12 08:20	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 08:20	1
2-Hexanone	ND		1.0		ug/L			03/30/12 08:20	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 08:20	1
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 08:20	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 08:20	1
Acetone	ND		2.0		ug/L			03/30/12 08:20	1
Benzene	ND		0.10		ug/L			03/30/12 08:20	1
Bromobenzene	ND		0.10		ug/L			03/30/12 08:20	1
Bromoform	ND		0.10		ug/L			03/30/12 08:20	1
Bromomethane	ND		0.10		ug/L			03/30/12 08:20	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 08:20	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 08:20	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 08:20	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 08:20	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 08:20	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 08:20	1
Chloroform	ND		0.10		ug/L			03/30/12 08:20	1
Chloromethane	ND		0.10		ug/L			03/30/12 08:20	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 08:20	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 08:20	1
Dibromomethane	ND		0.10		ug/L			03/30/12 08:20	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 08:20	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 08:20	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 08:20	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 08:20	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 08:20	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 08:20	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-17
Date Collected: 03/22/12 09:55
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/30/12 08:20	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
o-Xylene	ND		0.10		ug/L			03/30/12 08:20	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
Styrene	ND		0.10		ug/L			03/30/12 08:20	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 08:20	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 08:20	1
Toluene	ND		0.10		ug/L			03/30/12 08:20	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 08:20	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 08:20	1
Trichloroethene	ND		0.10		ug/L			03/30/12 08:20	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 08:20	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*		*03/30/12 08:20*	*1*
Ethylbenzene-d10	*98*		*75 - 125*		*03/30/12 08:20*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/30/12 08:20*	*1*
Trifluorotoluene (Surr)	*100*		*80 - 125*		*03/30/12 08:20*	*1*
Toluene-d8 (Surr)	*88*		*75 - 125*		*03/30/12 08:20*	*1*

Client Sample ID: LB-032212-18
Date Collected: 03/22/12 10:50
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 08:46	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 08:46	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 08:46	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 08:46	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 08:46	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 08:46	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 08:46	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 08:46	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 08:46	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 08:46	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 08:46	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 08:46	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 08:46	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 08:46	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 08:46	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 08:46	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 08:46	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 08:46	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 08:46	1
2-Butanone	ND		2.0		ug/L			03/30/12 08:46	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 08:46	1
2-Hexanone	ND		1.0		ug/L			03/30/12 08:46	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 08:46	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-18
Date Collected: 03/22/12 10:50
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 08:46	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 08:46	1
Acetone	ND		2.0		ug/L			03/30/12 08:46	1
Benzene	ND		0.10		ug/L			03/30/12 08:46	1
Bromobenzene	ND		0.10		ug/L			03/30/12 08:46	1
Bromoform	ND		0.10		ug/L			03/30/12 08:46	1
Bromomethane	ND		0.10		ug/L			03/30/12 08:46	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 08:46	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 08:46	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 08:46	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 08:46	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 08:46	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 08:46	1
Chloroform	ND		0.10		ug/L			03/30/12 08:46	1
Chloromethane	ND		0.10		ug/L			03/30/12 08:46	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 08:46	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 08:46	1
Dibromomethane	ND		0.10		ug/L			03/30/12 08:46	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 08:46	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 08:46	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 08:46	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 08:46	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 08:46	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 08:46	1
Naphthalene	ND		0.40		ug/L			03/30/12 08:46	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
o-Xylene	ND		0.10		ug/L			03/30/12 08:46	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
Styrene	ND		0.10		ug/L			03/30/12 08:46	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 08:46	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 08:46	1
Toluene	ND		0.10		ug/L			03/30/12 08:46	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 08:46	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 08:46	1
Trichloroethene	ND		0.10		ug/L			03/30/12 08:46	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 08:46	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*03/30/12 08:46*	*1*
Ethylbenzene-d10	*103*		*75 - 125*		*03/30/12 08:46*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/30/12 08:46*	*1*
Trifluorotoluene (Surr)	*97*		*80 - 125*		*03/30/12 08:46*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*03/30/12 08:46*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-032212-19
Date Collected: 03/22/12 13:15
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 09:11	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 09:11	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 09:11	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 09:11	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 09:11	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 09:11	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 09:11	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 09:11	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 09:11	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 09:11	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 09:11	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 09:11	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 09:11	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 09:11	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 09:11	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 09:11	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 09:11	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 09:11	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 09:11	1
2-Butanone	ND		2.0		ug/L			03/30/12 09:11	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 09:11	1
2-Hexanone	ND		1.0		ug/L			03/30/12 09:11	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 09:11	1
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 09:11	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 09:11	1
Acetone	ND		2.0		ug/L			03/30/12 09:11	1
Benzene	ND		0.10		ug/L			03/30/12 09:11	1
Bromobenzene	ND		0.10		ug/L			03/30/12 09:11	1
Bromoform	ND		0.10		ug/L			03/30/12 09:11	1
Bromomethane	ND		0.10		ug/L			03/30/12 09:11	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 09:11	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 09:11	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 09:11	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 09:11	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 09:11	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 09:11	1
Chloroform	ND		0.10		ug/L			03/30/12 09:11	1
Chloromethane	ND		0.10		ug/L			03/30/12 09:11	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 09:11	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 09:11	1
Dibromomethane	ND		0.10		ug/L			03/30/12 09:11	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 09:11	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 09:11	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 09:11	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 09:11	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 09:11	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 09:11	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-19
Date Collected: 03/22/12 13:15
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/30/12 09:11	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
o-Xylene	ND		0.10		ug/L			03/30/12 09:11	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
Styrene	ND		0.10		ug/L			03/30/12 09:11	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 09:11	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 09:11	1
Toluene	ND		0.10		ug/L			03/30/12 09:11	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 09:11	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 09:11	1
Trichloroethene	ND		0.10		ug/L			03/30/12 09:11	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 09:11	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 09:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*03/30/12 09:11*	*1*
Ethylbenzene-d10	*98*		*75 - 125*		*03/30/12 09:11*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/30/12 09:11*	*1*
Trifluorotoluene (Surr)	*96*		*80 - 125*		*03/30/12 09:11*	*1*
Toluene-d8 (Surr)	*89*		*75 - 125*		*03/30/12 09:11*	*1*

Client Sample ID: LB-032212-20
Date Collected: 03/22/12 12:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 09:39	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 09:39	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 09:39	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 09:39	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 09:39	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 09:39	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 09:39	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 09:39	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 09:39	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 09:39	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 09:39	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 09:39	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 09:39	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 09:39	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 09:39	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 09:39	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 09:39	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 09:39	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 09:39	1
2-Butanone	ND		2.0		ug/L			03/30/12 09:39	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 09:39	1
2-Hexanone	ND		1.0		ug/L			03/30/12 09:39	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 09:39	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-20
Date Collected: 03/22/12 12:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 09:39	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 09:39	1
Acetone	ND		2.0		ug/L			03/30/12 09:39	1
Benzene	ND		0.10		ug/L			03/30/12 09:39	1
Bromobenzene	ND		0.10		ug/L			03/30/12 09:39	1
Bromoform	ND		0.10		ug/L			03/30/12 09:39	1
Bromomethane	ND		0.10		ug/L			03/30/12 09:39	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 09:39	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 09:39	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 09:39	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 09:39	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 09:39	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 09:39	1
Chloroform	ND		0.10		ug/L			03/30/12 09:39	1
Chloromethane	ND		0.10		ug/L			03/30/12 09:39	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 09:39	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 09:39	1
Dibromomethane	ND		0.10		ug/L			03/30/12 09:39	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 09:39	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 09:39	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 09:39	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 09:39	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 09:39	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 09:39	1
Naphthalene	ND		0.40		ug/L			03/30/12 09:39	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
o-Xylene	ND		0.10		ug/L			03/30/12 09:39	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
Styrene	ND		0.10		ug/L			03/30/12 09:39	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 09:39	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 09:39	1
Toluene	ND		0.10		ug/L			03/30/12 09:39	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 09:39	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 09:39	1
Trichloroethene	ND		0.10		ug/L			03/30/12 09:39	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 09:39	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*03/30/12 09:39*	*1*
Ethylbenzene-d10	*106*		*75 - 125*		*03/30/12 09:39*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/30/12 09:39*	*1*
Trifluorotoluene (Surr)	*99*		*80 - 125*		*03/30/12 09:39*	*1*
Toluene-d8 (Surr)	*88*		*75 - 125*		*03/30/12 09:39*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-032212-21
Date Collected: 03/22/12 14:05
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 10:05	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 10:05	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 10:05	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 10:05	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 10:05	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 10:05	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 10:05	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 10:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 10:05	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 10:05	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 10:05	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 10:05	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:05	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 10:05	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 10:05	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:05	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 10:05	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:05	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 10:05	1
2-Butanone	ND		2.0		ug/L			03/30/12 10:05	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 10:05	1
2-Hexanone	ND		1.0		ug/L			03/30/12 10:05	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 10:05	1
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 10:05	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 10:05	1
Acetone	ND		2.0		ug/L			03/30/12 10:05	1
Benzene	ND		0.10		ug/L			03/30/12 10:05	1
Bromobenzene	ND		0.10		ug/L			03/30/12 10:05	1
Bromoform	ND		0.10		ug/L			03/30/12 10:05	1
Bromomethane	ND		0.10		ug/L			03/30/12 10:05	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 10:05	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 10:05	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 10:05	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 10:05	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 10:05	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 10:05	1
Chloroform	ND		0.10		ug/L			03/30/12 10:05	1
Chloromethane	ND		0.10		ug/L			03/30/12 10:05	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 10:05	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 10:05	1
Dibromomethane	ND		0.10		ug/L			03/30/12 10:05	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 10:05	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 10:05	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 10:05	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 10:05	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 10:05	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 10:05	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-21
Date Collected: 03/22/12 14:05
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/30/12 10:05	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
o-Xylene	ND		0.10		ug/L			03/30/12 10:05	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
Styrene	ND		0.10		ug/L			03/30/12 10:05	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 10:05	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 10:05	1
Toluene	ND		0.10		ug/L			03/30/12 10:05	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 10:05	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 10:05	1
Trichloroethene	ND		0.10		ug/L			03/30/12 10:05	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 10:05	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/30/12 10:05*	*1*
Ethylbenzene-d10	*102*		*75 - 125*		*03/30/12 10:05*	*1*
Fluorobenzene (Surr)	*96*		*70 - 130*		*03/30/12 10:05*	*1*
Trifluorotoluene (Surr)	*100*		*80 - 125*		*03/30/12 10:05*	*1*
Toluene-d8 (Surr)	*89*		*75 - 125*		*03/30/12 10:05*	*1*

Client Sample ID: LB-032212-22
Date Collected: 03/22/12 14:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 10:32	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 10:32	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 10:32	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 10:32	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 10:32	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 10:32	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 10:32	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 10:32	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 10:32	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 10:32	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 10:32	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 10:32	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:32	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 10:32	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 10:32	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:32	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 10:32	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:32	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 10:32	1
2-Butanone	ND		2.0		ug/L			03/30/12 10:32	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 10:32	1
2-Hexanone	ND		1.0		ug/L			03/30/12 10:32	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 10:32	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-22
Date Collected: 03/22/12 14:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 10:32	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 10:32	1
Acetone	ND		2.0		ug/L			03/30/12 10:32	1
Benzene	ND		0.10		ug/L			03/30/12 10:32	1
Bromobenzene	ND		0.10		ug/L			03/30/12 10:32	1
Bromoform	ND		0.10		ug/L			03/30/12 10:32	1
Bromomethane	ND		0.10		ug/L			03/30/12 10:32	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 10:32	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 10:32	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 10:32	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 10:32	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 10:32	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 10:32	1
Chloroform	ND		0.10		ug/L			03/30/12 10:32	1
Chloromethane	ND		0.10		ug/L			03/30/12 10:32	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 10:32	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 10:32	1
Dibromomethane	ND		0.10		ug/L			03/30/12 10:32	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 10:32	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 10:32	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 10:32	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 10:32	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 10:32	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 10:32	1
Naphthalene	ND		0.40		ug/L			03/30/12 10:32	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
o-Xylene	ND		0.10		ug/L			03/30/12 10:32	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
Styrene	ND		0.10		ug/L			03/30/12 10:32	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 10:32	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 10:32	1
Toluene	ND		0.10		ug/L			03/30/12 10:32	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 10:32	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 10:32	1
Trichloroethene	ND		0.10		ug/L			03/30/12 10:32	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 10:32	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*03/30/12 10:32*	*1*
Ethylbenzene-d10	*103*		*75 - 125*		*03/30/12 10:32*	*1*
Fluorobenzene (Surr)	*97*		*70 - 130*		*03/30/12 10:32*	*1*
Trifluorotoluene (Surr)	*101*		*80 - 125*		*03/30/12 10:32*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*03/30/12 10:32*	*1*

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Client Sample ID: LB-032212-23
Date Collected: 03/22/12 15:30
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 10:57	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 10:57	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 10:57	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 10:57	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 10:57	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 10:57	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 10:57	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 10:57	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 10:57	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 10:57	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 10:57	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 10:57	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:57	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 10:57	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 10:57	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:57	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 10:57	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 10:57	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 10:57	1
2-Butanone	ND		2.0		ug/L			03/30/12 10:57	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 10:57	1
2-Hexanone	ND		1.0		ug/L			03/30/12 10:57	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 10:57	1
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 10:57	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 10:57	1
Acetone	ND		2.0		ug/L			03/30/12 10:57	1
Benzene	ND		0.10		ug/L			03/30/12 10:57	1
Bromobenzene	ND		0.10		ug/L			03/30/12 10:57	1
Bromoform	ND		0.10		ug/L			03/30/12 10:57	1
Bromomethane	ND		0.10		ug/L			03/30/12 10:57	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 10:57	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 10:57	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 10:57	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 10:57	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 10:57	1
Chloroethane	ND	*	0.25		ug/L			03/30/12 10:57	1
Chloroform	ND		0.10		ug/L			03/30/12 10:57	1
Chloromethane	ND		0.10		ug/L			03/30/12 10:57	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 10:57	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 10:57	1
Dibromomethane	ND		0.10		ug/L			03/30/12 10:57	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 10:57	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 10:57	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 10:57	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 10:57	1
Methylene Chloride	ND		0.50		ug/L			03/30/12 10:57	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 10:57	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Client Sample ID: LB-032212-23
Date Collected: 03/22/12 15:30
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40		ug/L			03/30/12 10:57	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
o-Xylene	ND		0.10		ug/L			03/30/12 10:57	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
Styrene	ND		0.10		ug/L			03/30/12 10:57	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 10:57	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 10:57	1
Toluene	ND		0.10		ug/L			03/30/12 10:57	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 10:57	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 10:57	1
Trichloroethene	ND		0.10		ug/L			03/30/12 10:57	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 10:57	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*		*03/30/12 10:57*	*1*
Ethylbenzene-d10	*107*		*75 - 125*		*03/30/12 10:57*	*1*
Fluorobenzene (Surr)	*95*		*70 - 130*		*03/30/12 10:57*	*1*
Trifluorotoluene (Surr)	*101*		*80 - 125*		*03/30/12 10:57*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*03/30/12 10:57*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: LB-032212-17
Date Collected: 03/22/12 09:55
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 22:40	1
Manganese	ND		0.0020		mg/L		03/23/12 21:26	03/23/12 22:40	1

Client Sample ID: LB-032212-18
Date Collected: 03/22/12 10:50
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 22:44	1
Manganese	**0.38**		0.0020		mg/L		03/23/12 21:26	03/23/12 22:44	1

Client Sample ID: LB-032212-19
Date Collected: 03/22/12 13:15
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 22:54	1
Manganese	ND		0.0020		mg/L		03/23/12 21:26	03/23/12 22:54	1

Client Sample ID: LB-032212-20
Date Collected: 03/22/12 12:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 22:57	1
Manganese	ND		0.0020		mg/L		03/23/12 21:26	03/23/12 22:57	1

Client Sample ID: LB-032212-21
Date Collected: 03/22/12 14:05
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.037**		0.025		mg/L		03/23/12 21:26	03/23/12 23:01	1
Manganese	**0.0026**		0.0020		mg/L		03/23/12 21:26	03/23/12 23:01	1

Client Sample ID: LB-032212-22
Date Collected: 03/22/12 14:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 23:06	1
Manganese	ND		0.0020		mg/L		03/23/12 21:26	03/23/12 23:06	1

Client Sample ID: LB-032212-23
Date Collected: 03/22/12 15:30
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 23:09	1
Manganese	ND		0.0020		mg/L		03/23/12 21:26	03/23/12 23:09	1

General Chemistry

Client Sample ID: LB-032212-17
Date Collected: 03/22/12 09:55
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-1
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	160		10		mg/L			03/29/12 17:02	1
Chloride	4.1		0.50		mg/L			03/23/12 16:38	1
Nitrogen, Nitrate	3.7		0.10		mg/L			03/23/12 16:38	1

Client Sample ID: LB-032212-18
Date Collected: 03/22/12 10:50
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-2
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10		mg/L			03/29/12 17:02	1
Chloride	23		0.50		mg/L			03/23/12 18:12	1
Nitrogen, Nitrate	0.16		0.10		mg/L			03/23/12 18:12	1

Client Sample ID: LB-032212-19
Date Collected: 03/22/12 13:15
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10		mg/L			03/29/12 17:02	1
Chloride	6.1		0.50		mg/L			03/23/12 18:27	1
Nitrogen, Nitrate	4.1		0.10		mg/L			03/23/12 18:27	1

Client Sample ID: LB-032212-20
Date Collected: 03/22/12 12:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	190		10		mg/L			03/29/12 17:02	1
Chloride	6.1		0.50		mg/L			03/23/12 18:43	1
Nitrogen, Nitrate	4.0		0.10		mg/L			03/23/12 18:43	1

Client Sample ID: LB-032212-21
Date Collected: 03/22/12 14:05
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10		mg/L			03/29/12 17:02	1
Chloride	8.4		0.50		mg/L			03/23/12 18:59	1
Nitrogen, Nitrate	4.8		0.10		mg/L			03/23/12 18:59	1

Client Sample ID: LB-032212-22
Date Collected: 03/22/12 14:00
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	180		10		mg/L			03/29/12 17:02	1
Chloride	5.6		0.50		mg/L			03/23/12 19:14	1
Nitrogen, Nitrate	1.7		0.10		mg/L			03/23/12 19:14	1

Client Sample ID: LB-032212-23
Date Collected: 03/22/12 15:30
Date Received: 03/23/12 10:55

Lab Sample ID: 250-1073-7
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	180		10		mg/L			03/29/12 17:02	1
Chloride	5.5		0.50		mg/L			03/23/12 19:30	1
Nitrogen, Nitrate	1.7		0.10		mg/L			03/23/12 19:30	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level)

Lab Sample ID: MB 580-108189/4
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 01:10	1
1,1,1-Trichloroethane	ND		0.10		ug/L			03/30/12 01:10	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			03/30/12 01:10	1
1,1,2-Trichloroethane	ND		0.10		ug/L			03/30/12 01:10	1
1,1-Dichloroethane	ND		0.10		ug/L			03/30/12 01:10	1
1,1-Dichloroethene	ND		0.10		ug/L			03/30/12 01:10	1
1,1-Dichloropropene	ND		0.10		ug/L			03/30/12 01:10	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			03/30/12 01:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/30/12 01:10	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			03/30/12 01:10	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			03/30/12 01:10	1
1,2-Dibromoethane	ND		0.10		ug/L			03/30/12 01:10	1
1,2-Dichlorobenzene	ND		0.20		ug/L			03/30/12 01:10	1
1,2-Dichloroethane	ND		0.10		ug/L			03/30/12 01:10	1
1,2-Dichloropropane	ND		0.10		ug/L			03/30/12 01:10	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
1,3-Dichlorobenzene	ND		0.20		ug/L			03/30/12 01:10	1
1,3-Dichloropropane	ND		0.10		ug/L			03/30/12 01:10	1
1,4-Dichlorobenzene	ND		0.20		ug/L			03/30/12 01:10	1
2,2-Dichloropropane	ND		0.10		ug/L			03/30/12 01:10	1
2-Butanone	ND		2.0		ug/L			03/30/12 01:10	1
2-Chlorotoluene	ND		0.10		ug/L			03/30/12 01:10	1
2-Hexanone	ND		1.0		ug/L			03/30/12 01:10	1
4-Chlorotoluene	ND		0.20		ug/L			03/30/12 01:10	1
4-Isopropyltoluene	ND		0.20		ug/L			03/30/12 01:10	1
4-Methyl-2-pentanone	ND		0.50		ug/L			03/30/12 01:10	1
Acetone	ND		2.0		ug/L			03/30/12 01:10	1
Benzene	ND		0.10		ug/L			03/30/12 01:10	1
Bromobenzene	ND		0.10		ug/L			03/30/12 01:10	1
Bromoform	ND		0.10		ug/L			03/30/12 01:10	1
Bromomethane	ND		0.10		ug/L			03/30/12 01:10	1
Carbon disulfide	ND		0.10		ug/L			03/30/12 01:10	1
Carbon tetrachloride	ND		0.10		ug/L			03/30/12 01:10	1
Chlorobenzene	ND		0.10		ug/L			03/30/12 01:10	1
Chlorobromomethane	ND		0.10		ug/L			03/30/12 01:10	1
Chlorodibromomethane	ND		0.10		ug/L			03/30/12 01:10	1
Chloroethane	ND		0.25		ug/L			03/30/12 01:10	1
Chloroform	ND		0.10		ug/L			03/30/12 01:10	1
Chloromethane	ND		0.10		ug/L			03/30/12 01:10	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 01:10	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 01:10	1
Dibromomethane	ND		0.10		ug/L			03/30/12 01:10	1
Dichlorobromomethane	ND		0.10		ug/L			03/30/12 01:10	1
Dichlorodifluoromethane	ND		0.40		ug/L			03/30/12 01:10	1
Ethylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
Hexachlorobutadiene	ND		0.20		ug/L			03/30/12 01:10	1
Isopropylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
Methyl tert-butyl ether	ND		0.10		ug/L			03/30/12 01:10	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: MB 580-108189/4
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50		ug/L			03/30/12 01:10	1
m-Xylene & p-Xylene	ND		0.20		ug/L			03/30/12 01:10	1
Naphthalene	ND		0.40		ug/L			03/30/12 01:10	1
n-Butylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
N-Propylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
o-Xylene	ND		0.10		ug/L			03/30/12 01:10	1
sec-Butylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
Styrene	ND		0.10		ug/L			03/30/12 01:10	1
tert-Butylbenzene	ND		0.10		ug/L			03/30/12 01:10	1
Tetrachloroethene	ND		0.10		ug/L			03/30/12 01:10	1
Toluene	ND		0.10		ug/L			03/30/12 01:10	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			03/30/12 01:10	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			03/30/12 01:10	1
Trichloroethene	ND		0.10		ug/L			03/30/12 01:10	1
Trichlorofluoromethane	ND		0.10		ug/L			03/30/12 01:10	1
Vinyl chloride	ND		0.020		ug/L			03/30/12 01:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*03/30/12 01:10*	*1*
Ethylbenzene-d10	*101*		*75 - 125*		*03/30/12 01:10*	*1*
Fluorobenzene (Surr)	*98*		*70 - 130*		*03/30/12 01:10*	*1*
Trifluorotoluene (Surr)	*104*		*80 - 125*		*03/30/12 01:10*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*03/30/12 01:10*	*1*

Lab Sample ID: LCS 580-108189/5
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.93	5.18		ug/L		105	75 - 125
1,1,1-Trichloroethane	5.00	5.71		ug/L		114	80 - 140
1,1,2,2-Tetrachloroethane	5.00	4.07		ug/L		81	75 - 125
1,1,2-Trichloroethane	4.94	4.96		ug/L		100	80 - 130
1,1-Dichloroethane	4.95	5.79		ug/L		117	75 - 135
1,1-Dichloroethene	4.95	4.92		ug/L		99	70 - 150
1,1-Dichloropropene	4.96	5.12		ug/L		103	80 - 130
1,2,3-Trichlorobenzene	5.00	3.89		ug/L		78	60 - 125
1,2,3-Trichloropropane	4.93	4.59		ug/L		93	75 - 120
1,2,4-Trichlorobenzene	4.97	3.62		ug/L		73	60 - 125
1,2,4-Trimethylbenzene	5.01	4.87		ug/L		97	80 - 125
1,2-Dibromo-3-Chloropropane	5.00	4.30		ug/L		86	55 - 120
1,2-Dibromoethane	5.00	5.25		ug/L		105	70 - 130
1,2-Dichlorobenzene	4.91	4.91		ug/L		100	80 - 130
1,2-Dichloroethane	4.96	5.27		ug/L		106	80 - 140
1,2-Dichloropropane	5.00	4.61		ug/L		92	80 - 120
1,3,5-Trimethylbenzene	5.00	4.83		ug/L		97	80 - 125
1,3-Dichlorobenzene	4.99	5.57		ug/L		112	80 - 120
1,3-Dichloropropane	5.00	4.93		ug/L		99	80 - 130
1,4-Dichlorobenzene	5.00	4.96		ug/L		99	80 - 120

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCS 580-108189/5
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	5.01	4.56		ug/L		91	60 - 150
2-Butanone	10.0	10.9		ug/L		109	20 - 200
2-Chlorotoluene	4.95	5.48		ug/L		111	75 - 130
2-Hexanone	9.83	9.90		ug/L		101	52 - 160
4-Chlorotoluene	4.93	5.19		ug/L		105	75 - 130
4-Isopropyltoluene	5.00	4.35		ug/L		87	80 - 120
4-Methyl-2-pentanone	9.97	8.70		ug/L		87	55 - 135
Acetone	10.0	18.2		ug/L		182	30 - 200
Benzene	4.98	5.29		ug/L		106	80 - 120
Bromobenzene	4.98	5.17		ug/L		104	80 - 130
Bromoform	4.98	5.01		ug/L		101	65 - 130
Bromomethane	5.02	5.39		ug/L		107	70 - 135
Carbon disulfide	10.0	9.86		ug/L		98	65 - 160
Carbon tetrachloride	5.01	5.36		ug/L		107	75 - 140
Chlorobenzene	5.00	5.45		ug/L		109	80 - 120
Chlorobromomethane	4.96	5.26		ug/L		106	80 - 125
Chlorodibromomethane	4.96	4.91		ug/L		99	70 - 120
Chloroethane	5.00	7.08	*	ug/L		142	75 - 140
Chloroform	5.00	5.26		ug/L		105	80 - 130
Chloromethane	5.02	4.83		ug/L		96	50 - 140
cis-1,2-Dichloroethene	5.00	4.87		ug/L		97	80 - 130
cis-1,3-Dichloropropene	5.25	3.90		ug/L		74	70 - 120
Dibromomethane	4.93	5.20		ug/L		105	80 - 130
Dichlorobromomethane	4.94	5.32		ug/L		108	80 - 125
Dichlorodifluoromethane	5.00	6.19		ug/L		124	30 - 180
Ethylbenzene	4.96	5.19		ug/L		105	80 - 125
Hexachlorobutadiene	5.00	4.75		ug/L		95	75 - 135
Isopropylbenzene	5.00	4.09		ug/L		82	75 - 120
Methyl tert-butyl ether	5.00	4.60		ug/L		92	75 - 120
Methylene Chloride	5.00	5.06		ug/L		101	60 - 145
m-Xylene & p-Xylene	9.99	11.4		ug/L		114	80 - 130
Naphthalene	5.00	3.03		ug/L		61	45 - 130
n-Butylbenzene	4.95	4.09		ug/L		83	75 - 125
N-Propylbenzene	5.00	4.43		ug/L		89	80 - 120
o-Xylene	4.95	4.22		ug/L		85	80 - 120
sec-Butylbenzene	5.00	4.40		ug/L		88	80 - 125
Styrene	4.99	4.67		ug/L		94	75 - 130
tert-Butylbenzene	4.98	4.54		ug/L		91	80 - 130
Tetrachloroethene	5.01	4.28	^	ug/L		86	40 - 180
Toluene	5.00	5.51		ug/L		110	80 - 120
trans-1,2-Dichloroethene	5.01	4.93		ug/L		99	80 - 140
trans-1,3-Dichloropropene	4.75	3.57		ug/L		75	60 - 140
Trichloroethene	5.00	5.68		ug/L		114	80 - 130
Trichlorofluoromethane	5.00	5.89		ug/L		118	30 - 180
Vinyl chloride	5.01	6.06		ug/L		121	65 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Ethylbenzene-d10	*101*		*75 - 125*

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCS 580-108189/5
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Fluorobenzene (Surr)	*102*		*70 - 130*
Trifluorotoluene (Surr)	*111*		*80 - 125*
Toluene-d8 (Surr)	*110*		*75 - 125*

Lab Sample ID: LCSD 580-108189/6
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			4.93	5.51		ug/L		112	75 - 125	6	20
1,1,1-Trichloroethane			5.00	5.58		ug/L		112	80 - 140	2	20
1,1,2,2-Tetrachloroethane			5.00	4.17		ug/L		83	75 - 125	2	20
1,1,2-Trichloroethane			4.94	5.28		ug/L		107	80 - 130	6	20
1,1-Dichloroethane			4.95	5.79		ug/L		117	75 - 135	0	20
1,1-Dichloroethene			4.95	5.02		ug/L		101	70 - 150	2	20
1,1-Dichloropropene			4.96	5.26		ug/L		106	80 - 130	3	20
1,2,3-Trichlorobenzene			5.00	4.08		ug/L		82	60 - 125	5	20
1,2,3-Trichloropropane			4.93	4.71		ug/L		96	75 - 120	3	20
1,2,4-Trichlorobenzene			4.97	3.82		ug/L		77	60 - 125	5	20
1,2,4-Trimethylbenzene			5.01	4.96		ug/L		99	80 - 125	2	20
1,2-Dibromo-3-Chloropropane			5.00	4.35		ug/L		87	55 - 120	1	20
1,2-Dibromoethane			5.00	5.49		ug/L		110	70 - 130	4	20
1,2-Dichlorobenzene			4.91	5.06		ug/L		103	80 - 130	3	20
1,2-Dichloroethane			4.96	5.16		ug/L		104	80 - 140	2	20
1,2-Dichloropropane			5.00	4.97		ug/L		99	80 - 120	8	20
1,3,5-Trimethylbenzene			5.00	4.96		ug/L		99	80 - 125	3	20
1,3-Dichlorobenzene			4.99	5.78		ug/L		116	80 - 120	4	20
1,3-Dichloropropane			5.00	5.09		ug/L		102	80 - 130	3	20
1,4-Dichlorobenzene			5.00	5.04		ug/L		101	80 - 120	2	20
2,2-Dichloropropane			5.01	4.52		ug/L		90	60 - 150	1	20
2-Butanone			10.0	10.0		ug/L		100	20 - 200	9	20
2-Chlorotoluene			4.95	5.63		ug/L		114	75 - 130	3	20
2-Hexanone			9.83	9.83		ug/L		100	52 - 160	1	20
4-Chlorotoluene			4.93	5.26		ug/L		107	75 - 130	1	20
4-Isopropyltoluene			5.00	4.41		ug/L		88	80 - 120	1	20
4-Methyl-2-pentanone			9.97	8.44		ug/L		85	55 - 135	3	20
Acetone			10.0	19.4		ug/L		194	30 - 200	6	20
Benzene			4.98	5.32		ug/L		107	80 - 120	1	20
Bromobenzene			4.98	5.34		ug/L		107	80 - 130	3	20
Bromoform			4.98	5.03		ug/L		101	65 - 130	0	20
Bromomethane			5.02	5.67		ug/L		113	70 - 135	5	20
Carbon disulfide			10.0	9.87		ug/L		99	65 - 160	0	20
Carbon tetrachloride			5.01	5.42		ug/L		108	75 - 140	1	20
Chlorobenzene			5.00	5.68		ug/L		114	80 - 120	4	20
Chlorobromomethane			4.96	5.41		ug/L		109	80 - 125	3	20
Chlorodibromomethane			4.96	5.15		ug/L		104	70 - 120	5	20
Chloroethane			5.00	7.15	*	ug/L		143	75 - 140	1	20
Chloroform			5.00	5.25		ug/L		105	80 - 130	0	20
Chloromethane			5.02	4.86		ug/L		97	50 - 140	1	20

Method: 8260B - Volatile Organic Compounds by GC/MS (Low Level) (Continued)

Lab Sample ID: LCSD 580-108189/6
Matrix: Water
Analysis Batch: 108189

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	5.00	4.82		ug/L		96	80 - 130	1	20
cis-1,3-Dichloropropene	5.25	4.07		ug/L		77	70 - 120	4	20
Dibromomethane	4.93	5.29		ug/L		107	80 - 130	2	20
Dichlorobromomethane	4.94	5.46		ug/L		111	80 - 125	3	20
Dichlorodifluoromethane	5.00	6.09		ug/L		122	30 - 180	2	20
Ethylbenzene	4.96	5.38		ug/L		108	80 - 125	4	20
Hexachlorobutadiene	5.00	5.20		ug/L		104	75 - 135	9	20
Isopropylbenzene	5.00	4.24		ug/L		85	75 - 120	4	20
Methyl tert-butyl ether	5.00	4.89		ug/L		98	75 - 120	6	20
Methylene Chloride	5.00	5.02		ug/L		100	60 - 145	1	20
m-Xylene & p-Xylene	9.99	11.7		ug/L		117	80 - 130	3	20
Naphthalene	5.00	3.34		ug/L		67	45 - 130	10	20
n-Butylbenzene	4.95	4.36		ug/L		88	75 - 125	6	20
N-Propylbenzene	5.00	4.62		ug/L		92	80 - 120	4	20
o-Xylene	4.95	4.47		ug/L		90	80 - 120	6	20
sec-Butylbenzene	5.00	4.53		ug/L		91	80 - 125	3	20
Styrene	4.99	4.79		ug/L		96	75 - 130	3	20
tert-Butylbenzene	4.98	4.74		ug/L		95	80 - 130	4	20
Tetrachloroethene	5.01	4.45	^	ug/L		89	40 - 180	4	20
Toluene	5.00	5.57		ug/L		111	80 - 120	1	20
trans-1,2-Dichloroethene	5.01	5.26		ug/L		105	80 - 140	6	20
trans-1,3-Dichloropropene	4.75	3.68		ug/L		78	60 - 140	3	20
Trichloroethene	5.00	6.08		ug/L		122	80 - 130	7	20
Trichlorofluoromethane	5.00	5.74		ug/L		115	30 - 180	3	20
Vinyl chloride	5.01	6.22		ug/L		124	65 - 140	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*75 - 120*
Ethylbenzene-d10	*101*		*75 - 125*
Fluorobenzene (Surr)	*101*		*70 - 130*
Trifluorotoluene (Surr)	*120*		*80 - 125*
Toluene-d8 (Surr)	*107*		*75 - 125*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 250-2726/1-A
Matrix: Water
Analysis Batch: 2727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2726

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.025		mg/L		03/23/12 21:26	03/23/12 22:14	1
Manganese	ND		0.0020		mg/L		03/23/12 21:26	03/23/12 22:14	1

Lab Sample ID: LCS 250-2726/2-A
Matrix: Water
Analysis Batch: 2727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	2.00	1.77		mg/L		88	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 250-2726/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 2727 — **Prep Batch: 2726**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Manganese			0.100	0.0930		mg/L		93	80 - 120		

Lab Sample ID: 250-1073-7 MS — **Client Sample ID: LB-032212-23**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 2727 — **Prep Batch: 2726**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron	ND		2.00	1.77		mg/L		88	75 - 125		
Manganese	ND		0.100	0.0921		mg/L		92	75 - 125		

Lab Sample ID: 250-1003-A-1-E DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 2727 — **Prep Batch: 2726**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Iron	ND			ND		mg/L				NC	20
Manganese	ND			ND		mg/L				NC	20

Method: 160.1 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 250-2911/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 2911

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			03/29/12 17:02	1

Lab Sample ID: LCS 250-2911/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 2911

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			100	107		mg/L		107	80 - 120		

Lab Sample ID: 250-1073-1 DU — **Client Sample ID: LB-032212-17**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 2911

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	160			157		mg/L				NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 250-2733/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 2733

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50		mg/L			03/23/12 15:05	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 250-2733/4
Matrix: Water
Analysis Batch: 2733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.1		mg/L		101	90 - 110		

Lab Sample ID: 250-1073-1 MS
Matrix: Water
Analysis Batch: 2733

Client Sample ID: LB-032212-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.1		2.00	5.54	F	mg/L		72	80 - 120		

Lab Sample ID: 250-1073-1 MSD
Matrix: Water
Analysis Batch: 2733

Client Sample ID: LB-032212-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.1		2.00	5.51	F	mg/L		70	80 - 120	1	20

Lab Sample ID: 250-1073-1 DU
Matrix: Water
Analysis Batch: 2733

Client Sample ID: LB-032212-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	4.1		4.04		mg/L		2	20

Lab Sample ID: MB 250-2734/3
Matrix: Water
Analysis Batch: 2734

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate	ND		0.10		mg/L			03/23/12 15:05	1

Lab Sample ID: LCS 250-2734/4
Matrix: Water
Analysis Batch: 2734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrate			5.00	4.96		mg/L		99	90 - 110		

Lab Sample ID: 250-1073-1 MS
Matrix: Water
Analysis Batch: 2734

Client Sample ID: LB-032212-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrate	3.7		2.00	5.32		mg/L		80	80 - 120		

Lab Sample ID: 250-1073-1 MSD
Matrix: Water
Analysis Batch: 2734

Client Sample ID: LB-032212-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrate	3.7		2.00	5.30	F	mg/L		79	80 - 120	0	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 250-1073-1 DU
Matrix: Water
Analysis Batch: 2734

Client Sample ID: LB-032212-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrogen, Nitrate	3.7			3.71		mg/L				0.2	20

GC/MS VOA

Analysis Batch: 108189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1073-1	LB-032212-17	Total/NA	Water	8260B	
250-1073-2	LB-032212-18	Total/NA	Water	8260B	
250-1073-3	LB-032212-19	Total/NA	Water	8260B	
250-1073-4	LB-032212-20	Total/NA	Water	8260B	
250-1073-5	LB-032212-21	Total/NA	Water	8260B	
250-1073-6	LB-032212-22	Total/NA	Water	8260B	
250-1073-7	LB-032212-23	Total/NA	Water	8260B	
LCS 580-108189/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 580-108189/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 580-108189/4	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 2726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1003-A-1-E DU	Duplicate	Dissolved	Water	3005A	
250-1073-1	LB-032212-17	Dissolved	Water	3005A	
250-1073-2	LB-032212-18	Dissolved	Water	3005A	
250-1073-3	LB-032212-19	Dissolved	Water	3005A	
250-1073-4	LB-032212-20	Dissolved	Water	3005A	
250-1073-5	LB-032212-21	Dissolved	Water	3005A	
250-1073-6	LB-032212-22	Dissolved	Water	3005A	
250-1073-7	LB-032212-23	Dissolved	Water	3005A	
250-1073-7 MS	LB-032212-23	Dissolved	Water	3005A	
LCS 250-2726/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 250-2726/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 2727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1003-A-1-E DU	Duplicate	Dissolved	Water	6020	2726
250-1073-1	LB-032212-17	Dissolved	Water	6020	2726
250-1073-2	LB-032212-18	Dissolved	Water	6020	2726
250-1073-3	LB-032212-19	Dissolved	Water	6020	2726
250-1073-4	LB-032212-20	Dissolved	Water	6020	2726
250-1073-5	LB-032212-21	Dissolved	Water	6020	2726
250-1073-6	LB-032212-22	Dissolved	Water	6020	2726
250-1073-7	LB-032212-23	Dissolved	Water	6020	2726
250-1073-7 MS	LB-032212-23	Dissolved	Water	6020	2726
LCS 250-2726/2-A	Lab Control Sample	Total/NA	Water	6020	2726
MB 250-2726/1-A	Method Blank	Total/NA	Water	6020	2726

General Chemistry

Analysis Batch: 2733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1073-1	LB-032212-17	Total/NA	Water	300.0	
250-1073-1 DU	LB-032212-17	Total/NA	Water	300.0	
250-1073-1 MS	LB-032212-17	Total/NA	Water	300.0	
250-1073-1 MSD	LB-032212-17	Total/NA	Water	300.0	
250-1073-2	LB-032212-18	Total/NA	Water	300.0	
250-1073-3	LB-032212-19	Total/NA	Water	300.0	
250-1073-4	LB-032212-20	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 2733 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1073-5	LB-032212-21	Total/NA	Water	300.0	
250-1073-6	LB-032212-22	Total/NA	Water	300.0	
250-1073-7	LB-032212-23	Total/NA	Water	300.0	
LCS 250-2733/4	Lab Control Sample	Total/NA	Water	300.0	
MB 250-2733/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1073-1	LB-032212-17	Total/NA	Water	300.0	
250-1073-1 DU	LB-032212-17	Total/NA	Water	300.0	
250-1073-1 MS	LB-032212-17	Total/NA	Water	300.0	
250-1073-1 MSD	LB-032212-17	Total/NA	Water	300.0	
250-1073-2	LB-032212-18	Total/NA	Water	300.0	
250-1073-3	LB-032212-19	Total/NA	Water	300.0	
250-1073-4	LB-032212-20	Total/NA	Water	300.0	
250-1073-5	LB-032212-21	Total/NA	Water	300.0	
250-1073-6	LB-032212-22	Total/NA	Water	300.0	
250-1073-7	LB-032212-23	Total/NA	Water	300.0	
LCS 250-2734/4	Lab Control Sample	Total/NA	Water	300.0	
MB 250-2734/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 2911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
250-1073-1	LB-032212-17	Total/NA	Water	160.1	
250-1073-1 DU	LB-032212-17	Total/NA	Water	160.1	
250-1073-2	LB-032212-18	Total/NA	Water	160.1	
250-1073-3	LB-032212-19	Total/NA	Water	160.1	
250-1073-4	LB-032212-20	Total/NA	Water	160.1	
250-1073-5	LB-032212-21	Total/NA	Water	160.1	
250-1073-6	LB-032212-22	Total/NA	Water	160.1	
250-1073-7	LB-032212-23	Total/NA	Water	160.1	
LCS 250-2911/2	Lab Control Sample	Total/NA	Water	160.1	
MB 250-2911/1	Method Blank	Total/NA	Water	160.1	

Certification Summary

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	Alaska (UST)	State Program	10	UST-012
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	Federal		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: SCS Engineers
Project/Site: Leichner Landfill - Wash.

TestAmerica Job ID: 250-1073-1
SDG: 04212030.01/.17

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds by GC/MS (Low Level)	SW846	TAL SEA
6020	Metals (ICP/MS)	SW846	TAL PRT
160.1	Solids, Total Dissolved (TDS)	MCAWW	TAL PRT
300.0	Anions, Ion Chromatography	MCAWW	TAL PRT

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave,Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ☒
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 250-1073

CLIENT: SCS Engineers

REPORT TO: David Lamadrid
ADDRESS: 14945 SW Sequoia Pkwy, Ste 180, Portland, OR 97224
PHONE: 503 639 9315 FAX:

INVOICE TO: SCS Engineers, Portland, OR

P.O. NUMBER:

PROJECT NAME: Leichner Brothers Landfill
PROJECT NUMBER: 04212030.01 /.17
SAMPLED BY: T Andrews

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | | HNO3 | | — | — | — | | | | | | |

REQUESTED ANALYSES: VOCs 8260 (low level) | | Diss Met Fe, Mn | | TDS (160.1) | Cl (300.0) | Phenolics (420.0) | | | | | | |

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME												MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WQ ID
1	LB-032212-17	3/22/12 @ 955	X		X		X	X	X					W	5	low level VOCs	
2	LB-032212-18	3/22/12 @ 1050	X		X		X	X	X					W	5	Samples were field filtered	
3	LB-032212-19	3/22/12 @ 1315	X		X		X	X	X					W	5	for dissolved	
4	LB-032212-20	3/22/12 @ 1200	X		X		X	X	X					W	5	metals.	
5	LB-032212-21	3/22/12 @ 1405	X		X		X	X	X					W	5	↓	
6	LB-032212-22	3/22/12 @ 1400	X		X		X	X	X					W	5		
7	LB-032212-23	3/22/12 @ 1530	X		X		X	X	X					W	5		
8																	
9																	
10																	

RELEASED BY: [signature] DATE: 3/23/12
PRINT NAME: T Andrews FIRM: SCS TIME: 800

RECEIVED BY: [signature] DATE: 3/23/12
PRINT NAME: Bob FIRM: TAP TIME: 10:08

RELEASED BY: [signature] DATE: 3/23/12
PRINT NAME: Bob FIRM: TAP TIME: 10:55

RECEIVED BY: [signature] DATE: 3/23/12
PRINT NAME: PHIL SVABIK FIRM: TAP TIME: 1055

ADDITIONAL REMARKS:

TEMP: 4.8 PAGE OF

IHP-L

TAL-1000(0408)

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 250-1073-1
SDG Number: 04212030.01/.17

Login Number: 1073
List Number: 1
Creator: Svabik-Seror, Philip

List Source: TestAmerica Portland

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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.	True	
Samples were received on ice.	True	
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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 250-1073-1
SDG Number: 04212030.01/.17

Login Number: 1073
List Number: 1
Creator: Gamble, Cathy

List Source: TestAmerica Seattle
List Creation: 03/27/12 05:13 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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	
Is the Field Sampler's name present on COC?	False	
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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT 3

Results of Laboratory QA/QC Reviews
First Quarter 2012

SCS Engineers QA/QC Review
Groundwater - 1Q 2012 Groundwater Monitoring Event
Leichner Brothers Landfill
TestAmerica-Denver Report No. 250-668-1

Samples: LB-031212-01 (LB-13D), LB-031212-02 (LB-27D), LB-031212-03 (LB-5D), LB-031212-04 (LB-17D), LB-031212-05 (LB-26D), LB-031212-06 (field blank), and trip blank.

Sample Date: 03/12/2012
Laboratory Sample Received Date: 03/13/2012
Sample Receipt Temperature = 5.7°C
Laboratory Data Received Date: 03/27/2012, revised data received 04/17/2012
QA/QC Review Date: 04/16/2012 (TMA)

VOCs

Surrogates	All sample surrogates are within QC limits.
Method Blanks	All analytes reported as non-detect.
LCS	All % recoveries were within QC limits, and all surrogates within limits.
LCSD	All RPDs within control limits except for bromomethane in batch 580-107764 (* Flag). This is noted in the case narrative.

Dissolved Metals

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries were within control limits.
Matrix Spikes	All % recoveries within QC limits.
Duplicates	All RPDs were within QC limits.

General Chemistry

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries within control limits.
Matrix Spikes	All % recoveries were within QC limits except for nitrate in batch 250-2226 (F Flags). This is noted in the case narrative.
MSD	All % recoveries and RPDs were within QC limits except for nitrate in batch 250-2226 (F Flags). This is noted in the case narrative.
Duplicates	All RPDs within QC limits.

Hold Times
All analytical hold times were met.

Reporting Limit Exceedances
All project-specific reporting limits were met.

Field QA/QC
Field Duplicate
A field blank (FB1 [LB-031212-06]) was collected on 03/12/2012 near LB-26D. All analytes reported were all non-detect except for chloroform.

Notes
SCS Engineers received a revised laboratory report on 04/17/2012 with a noted added in the case narrative for bromomethane and nitrate.

Data Validation
Upon final review of lab report 250-668-1 for Leichner Brothers Landfill, SCS Engineers finds the data are valid for their intended use (04/17/2012, TMA).

SCS Engineers QA/QC Review
Groundwater - 1Q 2012 Groundwater Monitoring Event
Leichner Brothers Landfill
TestAmerica-Denver Report No. 250-743-1

Samples: LB-031312-07 (LB-10DR), LB-031312-08 (LB-10SR), LB-031312-09 (LB-3D), LB-031312-10 (LB-3S), LB-031312-11 (LB-4D), LB-031312-12 (LB-4SR), LB-031312-13 (LB-1D), LB-031312-14 (LB-1S), LB-031312-15 (LB-20S), and LB-031312-16 (LB-17I).

Sample Date: 03/13/2012
Laboratory Sample Received Date: 03/14/2012
Sample Receipt Temperature = 3.8^{o}C
Laboratory Data Received Date: 04/02/2012, revised data received 04/17/2012
QA/QC Review Date: 04/17/2012 (TMA)

VOCs

Surrogates	All sample surrogates are within QC limits.
Method Blanks	All analytes reported as non-detect.
LCS	All % recoveries were within QC limits, and all surrogates within limits except for chloroethane in batch 580-107852 (* Flag). This is noted in the case narrative.
LCSD	All RPDs within control limits except for bromomethane and iodomethane in batch 580-107852 (* Flags). These are noted in the case narrative.

Dissolved Metals

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries were within control limits.
Matrix Spikes	All % recoveries within QC limits.
Duplicates	All RPDs were within QC limits.

General Chemistry

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries within control limits.
Matrix Spikes	All RPDs within QC limits.
MSD	All % recoveries and RPDs were within QC limits except for nitrate in batch 250-2323 (F Flag). .
Duplicates	All RPDs within QC limits.

Hold Times
All analytical hold times were met.

Reporting Limit Exceedances
All project-specific reporting limits were met.

Notes
SCS Engineers received a revised laboratory report on 04/17/2012 with a noted added in the case narrative for chloroethane, bromomethane, iodomethane, and nitrate.

Data Validation
Upon final review of lab report 250-743-1 for Leichner Brothers Landfill, SCS Engineers finds the data are valid for their intended use (04/17/2012; TMA).

SCS Engineers QA/QC Review
Groundwater - 1Q 2012 Groundwater Monitoring Event
Leichner Brothers Landfill
TestAmerica-Denver Report No. 250-1073-1

Samples: LB-032212-17 (LB-5S), LB-032212-18 (LB-27I), LB-032212-19 (LB-13I), LB-032212-20 (LB-13I dup), LB-032212-21 (LB-26I), LB-032212-22 (LB-6S dup), and LB-032212-23 (LB-6S).

Sample Date: 03/22/2012
Laboratory Sample Received Date: 03/23/2012
Sample Receipt Temperature = 4.8^{o}C
Laboratory Data Received Date: 04/09/2012
QA/QC Review Date: 04/10/2012 (DL)

VOCs

Surrogates	All sample surrogates are within QC limits.
Method Blanks	All analytes reported as non-detect.
LCS	All % recoveries and surrogates were within QC limits except for chloroethane in batch 580-108189 (* Flag). The continuing calibration verification (CCV) for tetrachloroethene (TCE) associated with batch 580-108189 recovered above the upper control limit (^ Flag). These are noted in the case narrative.
LCSD	All % recoveries and RPDs were within control limits except for chloroethane in batch 580-108189 (* Flag). The continuing calibration verification (CCV) for tetrachloroethene (TCE) associated with batch 580-108189 recovered above the upper control limit (^ Flag). These are noted in the case narrative.

Dissolved Metals

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries were within control limits.
Matrix Spikes	All % recoveries within QC limits.
Duplicates	All RPDs were within QC limits.

General Chemistry

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries within control limits.
Matrix Spikes	All % Recoveries and RPDs within QC limits.
MSD	All % recoveries and RPDs were within QC limits except for nitrate in batch 250-2734 (F Flag).
Duplicates	All RPDs within QC limits.

Hold Times
All analytical hold times were met.

Reporting Limit Exceedances
All project-specific reporting limits were met.

Notes
None.

Data Validation
Upon final review of lab report 250-1073-1 for Leichner Brothers Landfill, SCS Engineers finds the data are valid for their intended use (04/10/2012; DL).

ATTACHMENT 4

Quarterly Compliance LFG Monitoring Probe Data
First Quarter 2012

Compliance Landfill Gas Monitoring Probe Data
January 9, 2012
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLFGP-02	1/9/2012 11:51	0.0	2.4	19.4	78.2	0
LBLFGP-03	1/9/2012 11:43	0.0	2.6	18.3	79.1	0
LBLFGP-05	1/9/2012 11:37	0.0	3.2	17.4	79.4	0.02
LBLFGP-06	1/9/2012 11:58	0.0	5.0	13.8	81.2	0
LBLFGP-07	1/9/2012 11:55	0.0	9.2	4.2	86.6	0
LBLFGP-08	1/9/2012 13:20	0.0	7.1	6.4	86.5	0.01
LBLFGP-11	1/9/2012 13:15	0.0	0.9	20.0	79.1	-0.03
LBLFGP-12	1/9/2012 13:14	0.0	0.7	20.9	78.4	-0.02
LBLFGP-13	1/9/2012 13:12	0.0	1.5	18.8	79.7	-0.02
LBLFGP-14	1/9/2012 13:08	0.0	0.9	20.6	78.5	-0.02
LBLFGP-15	1/9/2012 13:04	0.0	1.9	20.1	78	-0.01
LBLFGP-1A	1/9/2012 11:48	0.0	1.6	20.2	78.2	-0.01
LBLFGP-1B	1/9/2012 11:47	0.0	2.0	19.7	78.3	-0.01
LBLFGP-20	1/9/2012 12:33	0.0	8.3	9.6	82.1	0
LBLFGP-22	1/9/2012 12:22	0.0	0.8	21.2	78	0
LBLFGP-23	1/9/2012 12:21	0.0	0.8	21.2	78	0.32
LBLFGP-26	1/9/2012 11:21	0.0	0.7	21.3	78	0
LBLFGP-27	1/9/2012 11:19	0.0	1.1	20.6	78.3	0
LBLFGP-28	1/9/2012 12:06	0.0	4.6	16.2	79.2	0
LBLFGP-29	1/9/2012 12:01	0.0	5.0	10.9	84.1	0.01
LBLFGP-31	1/9/2012 12:41	0.0	2.1	20.2	77.7	0
LBLFGP-32	1/9/2012 12:36	0.0	2.5	19.4	78.1	-0.01
LBLFGP-33	1/9/2012 12:34	0.0	3.1	18.1	78.8	0
LBLFGP-34	1/9/2012 12:30	0.0	2.9	18.0	79.1	0
LBLFGP-35	1/9/2012 12:28	0.0	2.0	18.9	79.1	0.02
LBLFGP-36	1/9/2012 12:15	0.0	2.2	19.4	78.4	0
LBLFGP-37	1/9/2012 12:13	0.0	2.6	18.8	78.6	-0.01
LBLFGP-38	1/9/2012 11:25	0.0	0.9	20.8	78.3	-0.01
LBLFGP-4A	1/9/2012 11:41	0.0	2.0	18.6	79.4	-0.32
LBLFGP-4B	1/9/2012 11:39	0.0	2.5	17.9	79.6	-0.01
LBLFGP-9A	1/9/2012 13:23	0.0	3.8	14.5	81.7	0.02
LBLFGP-9B	1/9/2012 13:22	0.0	12.5	3.2	84.3	0
LBLGP-10A	1/9/2012 13:18	0.0	4.1	15.4	80.5	0.01
LBLGP-10B	1/9/2012 13:17	0.0	1.3	19.1	79.6	0.02
LBLGP-16D	1/9/2012 12:53	0.0	2.5	19.8	77.7	0.01
LBLGP-16S	1/9/2012 12:52	0.0	1.5	20.7	77.8	0
LBLGP-17D	1/9/2012 12:49	0.0	3.0	19.0	78	-0.01
LBLGP-17S	1/9/2012 12:48	0.0	2.9	19.2	77.9	-0.01
LBLGP-18D	1/9/2012 12:45	0.0	3.1	19.2	77.7	0
LBLGP-18S	1/9/2012 12:43	0.0	1.7	20.4	77.9	-0.01
LBLGP-19D	1/9/2012 12:39	0.0	3.1	19.0	77.9	-0.01
LBLGP-19S	1/9/2012 12:38	0.0	2.1	19.8	78.1	-0.01
LBLGP-21A	1/9/2012 12:26	0.0	0.7	21.3	78	0
LBLGP-21B	1/9/2012 12:24	0.0	0.9	21.0	78.1	0.01
LBLGP-24A	1/9/2012 12:18	0.0	0.9	21.0	78.1	0
LBLGP-24B	1/9/2012 12:17	0.0	1.0	21.0	78	-0.01
LBLGP-25A	1/9/2012 12:10	0.0	1.9	19.7	78.4	-0.01
LBLGP-25B	1/9/2012 12:09	0.0	4.1	17.5	78.4	-0.01
LBLGP-30A	1/9/2012 11:34	0.0	4.0	16.7	79.3	0
LBLGP-30B	1/9/2012 11:32	0.0	3.1	17.8	79.1	-1.64