LANDAU ASSOCIATES

July 15, 2011

The Boeing Company
P.O. Box 3707
Seattle, Washington 98124

Attn: Mr. Joseph Flaherty

RE: PHASE II ENVIRONMENTAL SITE ASSESSMENT
STRIKER PROPERTY SOUTH
BOEING SPACE CENTER
20403 68TH AVENUE SOUTH
KENT, WASHINGTON

Dear Mr. Flaherty:

This letter report presents results of the initial and supplemental Phase II environmental site assessments (ESAs) conducted for the southern portion of the approximately 75-acre Striker Property, located within The Boeing Company (Boeing) Space Center at 20403 68th Avenue South, in Kent, Washington (Figure 1). Specifically, this assessment focuses on the portion of the Striker Property located south of former Building 18-21 (Subject Property) as shown on Figure 2. The initial Phase II investigation was conducted as part of due diligence to document current site conditions, and assess potential liabilities for Boeing due to its operations at the Subject Property prior to the potential sale of the property. Sampling was also conducted in selected non-operational areas of the Subject Property to establish baseline subsurface conditions at the Subject Property prior to any reuse or redevelopment. The scope of work was established in our Phase II ESA proposal dated July 28, 2010 and was developed to address data gaps and *recognized environmental conditions*, as defined by ASTM International (ASTM), that were identified during the Phase I ESA that was also conducted as part of Boeing's due diligence (Landau Associates 2010a). The supplemental Phase II scope of work was established in a January 19, 2011 addendum to our Draft Subsurface Investigation Work Plan dated July 23, 2010 (Landau Associates 2010b) and was developed to address data gaps identified in the initial Phase II ESA (Landau Associates 2010c).

The following sections describe the background, scope, findings, and conclusions of the Phase II investigations conducted at the Subject Property.

BACKGROUND AND SITE CONDITIONS

The area surrounding the Boeing Space Center is zoned for industrial use and consists mainly of light industrial and commercial property. The Boeing Space Center (approximately 185 acres) is bordered on the north by Boeing Pacific Gateway commercial/industrial property, on the east by 68th Avenue South (West Valley Highway), on the south by South 212th Street, and on the west by Boeing Pacific Gateway commercial/industrial property and Russell Road. The Green River is immediately to the west of Russell Road.

Mill Creek enters the Boeing Space Center on the east side (passing under 68th Avenue South, the West Valley Highway), flows to the north for a short distance (passing under South 204th Street), and exits on the east (passing under 68th Avenue South). Mill Creek drains into Springbrook Creek, which is ultimately diverted to the Green River, and is not located within the boundaries of the Subject Property.

The Striker Property is owned by Boeing and is part of the Boeing Space Center, which is used for research and development in support of U.S. Department of Defense contracts. The Striker Property is located in the western portion of the Boeing Space Center and includes buildings 18-01, 18-03, 18-04, 18-05, 18-06, 18-11, and 18-20; former buildings 18-21, 18-22, 18-23, 18-32, and 18-33; and the underlying land. The Striker Property is predominantly used for office and laboratory space; however, industrial activities have been conducted on portions of the property in the past.

Between 2002 and 2003, Boeing conducted several phases of investigation at a portion of the Boeing Space Center as part of the Boeing A&M/S&C asset consolidation and utilization program known as "Clearwater." The Clearwater Property included the northern portion of the Striker Property (former Buildings 18-21, 18-22, 18-23, 18-32, and 18-33) (Figure 2). Based on the results of a 2002 Phase I ESA (Landau Associates 2002a), 2002 Phase II ESA (Landau Associates 2002b), and 2003 additional groundwater sampling (Landau Associates 2003), Boeing received a No Further Action (NFA) determination from the Washington State Department of Ecology (Ecology) Hazardous Waste and Toxics Reduction Program for soil and groundwater at the Clearwater Property (Ecology 2003). A separate NFA determination was issued by Ecology's Toxics Cleanup Program related to releases from a diesel generator and associated aboveground storage tank KSA-46 located at the northeastern corner of former Building 18-21, which were remediated through Ecology's Voluntary Cleanup Program. The NFA letter also indicated that Ecology would take action to remove the Clearwater Property from the footprint of the Resource Conservation and Recovery Act (RCRA) Interim Status facility. Findings of the Clearwater investigations are summarized in the 2010 Phase I ESA (Landau Associates 2010a).

Based on Ecology's NFA determination for the Clearwater Property, and considering that current conditions at the Clearwater Property, including the northern portion of the Striker Property (former Buildings 18-21, 18-22, 18-23, 18-32, and 18-33), are similar to the conditions at the time the NFA was

issued, this report focuses on investigations conducted in the south portion of the Striker Property (i.e., the Subject Property as noted above).

PHASE II INVESTIGATION SCOPE OF SERVICES

The initial Phase II investigation was conducted in July 2010 to evaluate soil, soil gas, and groundwater quality within areas of the Subject Property identified in the Phase I ESA that were considered to pose a potential environmental concern based on current or historical operations and to establish baseline subsurface conditions at the Subject Property prior to any reuse or redevelopment. The initial Phase II investigation locations are shown on Figure 2 and tasks associated with Phase II activities are described as follows:

- Collection of soil gas samples on an approximately 200-foot (ft) grid to assess subsurface conditions.
- Collection of soil and groundwater samples from areas of potential future ground-disturbing activities.
- Collection of groundwater samples from locations along property boundaries and downgradient of buildings with known chemical use to evaluate general groundwater conditions.

In January 2011, a supplemental Phase II investigation was conducted to further evaluate soil and groundwater quality within areas of the Subject Property where impacts were identified during the initial July 2010 Phase II investigation (see below, Figure 2 and Table 1 for details).

FIELD INVESTIGATION

The field investigation for the initial Phase II sampling was conducted on July 27 through July 30, 2010, and the field investigation for the additional Phase II sampling was conducted on January 25 through January 27, 2011. The following sections summarize the field activities associated with the soil, soil gas, and groundwater sampling. These sections also provide a summary of observations made during drilling and sample collection.

Soil, Soil Gas, and Groundwater Sampling

During the initial Phase II investigation in July 2010, borings were advanced at the Subject Property using direct-push drilling and sampling techniques or using hand tools for the collection of soil, soil gas, and groundwater samples (Figure 2, Table 1). During the additional investigation in January 2011, borings were advanced at the Subject Property using direct-push drilling and sampling techniques for the collection of soil and groundwater samples (Figures 2).

The initial July 2010 sampling locations were selected to provide representative spatial coverage throughout the Subject Property. The additional January 2011 sampling locations were selected to further evaluate soil and groundwater quality within areas of the Subject Property where impacts were identified during the initial July 2010 Phase II investigation (Figure 2, and Table 1). Table 1 summarizes the soil, soil gas, and groundwater samples collected at each location for the initial and supplemental Phase II investigations.

Small volumes of soil were collected periodically during drilling and sampling for field screening, which included visual examination of the soil for discoloration and for the presence of sheen or non-aqueous phase liquid (NAPL). The presence of any odor was also documented. Headspace analysis was conducted by placing a representative portion of the soil in a sealable plastic bag, allowing the soil to vaporize inside the sealed bag for 5 minutes, then inserting the portable photoionization detector (PID) tip into the bag to measure total volatile organic compounds (VOCs). If field-screening results indicated the potential presence of contamination, with a PID measurement above 20 parts per million (ppm), discrete soil samples were collected from the interval where the potential contamination was observed. In addition, a discrete soil sample was collected below the interval where the potential contamination was observed. If field-screening results did not indicate the presence of contamination, soil samples were collected from the capillary fringe above the elevation of the water table at each boring.

Soil samples were collected in laboratory-supplied jars and submitted to Analytical Resources, Inc. (ARI) located in Tukwila, Washington for laboratory analysis. Soil samples collected for analysis of VOCs or gasoline-range total petroleum hydrocarbons (TPH-G) were collected using U.S. Environmental Protection Agency (EPA) Method 5035A.

After drilling and soil sampling, select borings were completed as temporary groundwater monitoring wells using 1-inch-diameter Schedule 40 PVC casing and screen. The screens in the temporary wells were positioned across the elevation of the groundwater, which was from approximately 3 to 8 ft below ground surface (BGS) during drilling. Groundwater samples were collected using low flow sampling techniques using a peristaltic pump and dedicated polyethylene tubing. Field parameters (pH, conductivity, dissolved oxygen, temperature, and oxygen reduction potential) were monitored during sample collection and the results were recorded on sample collection forms. After sample collection, the temporary monitoring wells were removed and the soil borings were backfilled with hydrated bentonite chips. Borings for sub-slab soil gas sampling were completed using a hand tool (i.e., a rotohammer) in areas with impervious cover. Sub-slab soil gas samples were collected at a depth of approximately 6 inches below the impervious surface cover and from the gravel base material located beneath the paved or concrete surface. In accordance with the current draft Ecology guidance, soil gas samples were collected from areas without impervious surface cover from a depth of 5 ft BGS to prevent mixing of ambient air

with the soil gas during sample collection (Ecology 2009). The soil gas samples were collected using direct-push drilling techniques. Leak testing was conducted at selected locations using a helium tracer test to ensure an adequate seal during sample collection. The sealed hole was covered with a gas shroud (bucket) fitted with a notch to allow the end of the sample tubing to remain outside the shroud and be connected to a helium gas detector. Helium gas was pumped into the shroud through a valved hose barb or Swagelock™-style fitting and a helium gas concentration reading was taken from the air within the shroud to establish a baseline helium concentration. The helium detector was then connected to the sample implant tubing. A leak of less than 10 percent was considered acceptable. If a leak of greater than 10 percent was detected, the hole was resealed and retested prior to collecting a sample.

The sub-slab and soil gas samples were collected in Tedlar® bags using a hand pump and were delivered immediately to an onsite mobile laboratory operated by Libby Environmental.

ANALYTICAL METHODS

Analytical methods for the soil, soil gas, and groundwater samples are summarized in Table 1. Soil and groundwater samples were delivered to ARI and selectively analyzed for VOCs by Method SW8260C, semivolatile organic compounds (SVOCs) by Method SW8270D, TPH-G by Method NWTPH-G, diesel-range total petroleum hydrocarbons (TPH-D) and oil-range petroleum hydrocarbons (TPH-O) by Method NWTPH-Dx, metals by EPA Method 200.8/SW6010B/SW7470/SW7471, polychlorinated biphenyls (PCBs) by Method SW8082, and hexavalent chromium by Method SM3500. All dissolved metal groundwater samples were field-filtered by passing the water through a 0.45-micron filter as the laboratory-supplied jars were being filled.

The soil gas samples were analyzed by Libby Environmental for VOCs using Method 8260.

The soil, soil gas, and groundwater sample locations are shown on Figure 2. A summary of soil, soil gas, and groundwater analytical data are provided in Tables 2, 3, and 4, respectively. Copies of the laboratory analytical reports are provided in Attachment A.

FINDINGS

This section includes a summary of the findings of the initial Phase II soil, soil gas, and groundwater sampling and analysis and the supplemental Phase II soil and groundwater sampling and analysis. Soil descriptions, observations, field-screening results, and groundwater sampling observations were recorded on boring logs, which are provided in Attachment B. Observations from the field activities include:

- No visual or olfactory evidence of potential contamination was encountered in soil or groundwater during drilling and sampling.

- Soil encountered to the maximum boring depth of approximately 24 ft BGS consisted of fill material and natural alluvial soil. The fill consisted of brown sand to a maximum depth of 8 ft. Beneath the fill, the native soil consisted of gray sands and silts. Groundwater was encountered during drilling at depths ranging from 3 to 8 ft BGS and was shallower during the supplemental Phase II investigation due to seasonal fluctuations. Copies of boring logs from the Phase II investigations are provided in Attachment B.

The analytical results are discussed by investigation and by medium in the following sections. The analytical results for soil, soil gas, and groundwater were compared to preliminary Model Toxics Control Act (MTCA) Method B cleanup levels, which were considered screening levels. Screening levels for protection of groundwater were developed based on protection of groundwater as drinking water. MTCA Method A cleanup levels were used as screening levels for constituents for which Method B cleanup levels have not been promulgated (e.g., lead and petroleum hydrocarbons).

July 2010 Soil Analytical Results (Table 2)

- TPH-G and TPH-D were not detected in any of the soil samples at concentrations greater than the laboratory reporting limits. TPH-O was not detected in any of the soil samples at concentrations greater than laboratory reporting limits with the exception of DP-9 [51 milligrams per kilogram (mg/kg)] where TPH-O was detected at a concentration greater than the laboratory reporting limit, but less than the screening level (2,000 mg/kg).
- The VOC acetone was detected in all of the soil samples analyzed at concentrations ranging from 9.2 micrograms per kilogram (µg/kg) to an estimated 57 µg/kg. The detected concentrations were well below the screening level (3,200 µg/kg). Carbon disulfide was detected in DP-7 (1.6 µg/kg) and DP-9 (6.1 µg/kg) at concentrations greater than the laboratory reporting limit, but less than the screening level (5,700 µg/kg). The concentrations and the distributions of the detections of acetone and carbon disulfide suggest that the detections may be the result of laboratory contamination. No other VOCs were detected in the soil samples at concentrations greater than the laboratory reporting limits.
- The SVOC bis(2-ethylhexyl)phthalate was detected in DP-13 (100 µg/kg) at a concentration above laboratory reporting limits, but below the screening level (71,000 µg/kg). No other SVOCs were detected in any of the soil samples at concentrations greater than the laboratory reporting limits.
- The metals arsenic (1.5 mg/kg to 3.5 mg/kg), chromium (10.9 mg/kg to 29 mg/kg), copper (15.4 mg/kg to 22.1 mg/kg), lead (2 mg/kg to 5 mg/kg), and zinc (25 mg/kg to 42 mg/kg) were detected in each of the samples analyzed at concentrations greater than the laboratory reporting limits, but below their respective screening levels. In addition, mercury was detected at two locations at a concentration of 0.03 mg/kg, which is less than the screening level.
- PCBs and hexavalent chromium were not detected in any of the soil samples at concentrations greater than the laboratory reporting limits.

July 2010 Soil Gas Analytical Results (Table 3)

- VOCs were not detected at concentrations greater than the laboratory reporting limits in any of the soil gas samples.

July 2010 Groundwater Analytical Results (Table 4)

- TPH was not detected in any of groundwater samples at concentrations greater than the laboratory reporting limits.
- The VOC cis-1,2-dichloroethene was detected in DP-15 [0.3 micrograms per liter (µg/L)] at a concentration greater than the laboratory reporting limit, but less than the screening level (70 µg/L). Toluene was detected in DP-5 (0.2 µg/L) at a concentration greater than laboratory reporting limit, but less than screening level (640 µg/L). No other VOCs were detected in groundwater samples at concentrations greater than the laboratory reporting limits.
- The SVOC bis(2-ethylhexyl)phthalate was detected in one of the four groundwater samples (DP-5) at a concentration of 2.0 µg/L, which is greater than the laboratory reporting limit, but less than the screening level (6 µg/L). No other SVOCs were detected in any of the groundwater samples at concentrations greater than the laboratory reporting limits.
- Arsenic was detected in all four groundwater samples at concentrations ranging from 9.1 µg/L to 120 µg/L; the detected concentrations at all sampling locations are greater than the screening level (5 µg/L).
- Chromium (2 µg/L) and copper (0.8 µg/L) were detected at location DP-9 at concentrations greater than the laboratory reporting limits, but the detected concentrations are less than the screening levels (100 µg/L and 590 µg/L, respectively).
- Hexavalent chromium was detected in all three of the groundwater samples analyzed at concentrations greater than the laboratory reporting limits. The detected concentration at DP-5 [estimated at 0.049 milligrams per liter (mg/L)] is slightly greater than the screening level (0.048 mg/L).

January 2011 Soil Analytical Results (Table 2)

- Arsenic was detected in each of the eight soil samples at concentrations ranging from 3.1 mg/kg to 8.6 mg/kg. The detected arsenic concentrations are all below the screening level, with the exception of DP-32 (7.7 mg/kg) and DP-33 (8.6 mg/kg), which are slightly greater than the screening level (7 mg/kg).
- Hexavalent chromium was not detected in any of the soil samples at concentrations greater than the laboratory reporting limits.

January 2011 Groundwater Analytical Results (Table 4)

- Arsenic was detected above the laboratory reporting limit in all eight of the groundwater samples analyzed at concentrations ranging from 0.3 µg/L to 111 µg/L. The detected concentrations in four of the samples (DP-27, -28, -30, and -31) are greater than the screening level (5 µg/L).
- Hexavalent chromium was detected in one of the five groundwater samples analyzed (DP-30) at a concentration of 0.014 mg/L, which is greater than the laboratory reporting limit, but less than the screening level (0.048 mg/L).

PHASE II INVESTIGATION SUMMARY

The Phase II investigations conducted to date included collection and selected laboratory analysis of 13 soil, 43 soil gas, and 12 groundwater samples from the Subject Property. During the initial

investigation in July 2010, arsenic was detected in all four groundwater samples analyzed throughout the Subject Property at concentrations greater than the screening level. Eight additional borings (DP-26 through DP-33) were advanced throughout the Subject Property in January 2011 to further evaluate soil and groundwater, and to further evaluate the arsenic detections in groundwater. Four of the eight groundwater samples collected during the January 2011 investigation contained arsenic at concentrations greater than the screening level. The investigations of the nature and extent of arsenic in groundwater have not identified a potential source of arsenic at the Subject Property. Based on the analytical data, the arsenic appears to reflect area-wide groundwater conditions and does not appear to be due to a Subject Property-specific source; therefore; no further investigation is warranted regarding the concentrations of arsenic detected in groundwater at the Subject Property.

During the July 2010 investigation, hexavalent chromium was detected in all three groundwater samples analyzed at concentrations greater than the laboratory reporting limits. The detected concentration at DP-5 (estimated at 0.049 mg/L) was slightly greater than the screening level (0.048 mg/L). Hexavalent chromium was analyzed for in five additional groundwater samples during the January 2011 investigation. One of the five samples analyzed for hexavalent chromium contained a concentration above the laboratory reporting limit, but less than the screening level. MTCA allows for compliance with the screening level if: 1) no single sample concentration is greater than two times the screening level; 2) less than 10 percent of the concentrations exceed the screening level; and 3) the upper one-sided 95 percent confidence limit (UCL) on the true mean concentration is less than the screening level. Based on evaluation of the groundwater data for the Striker Property and a calculated UCL of 0.042 mg/L, the hexavalent chromium concentrations in groundwater at the Subject Property comply with the screening level (Attachment C). In addition, hexavalent chromium has not been detected in any of the soil samples analyzed from the Subject Property at concentrations greater than the laboratory reporting limit. Based on the analytical data, the low concentrations of hexavalent chromium detected in groundwater appear to reflect area-wide groundwater conditions and do not appear to be due to a Subject Property-specific source; therefore; no further investigation is warranted regarding the concentrations of hexavalent chromium detected in groundwater at the Subject Property.

The results of the Phase II investigations indicate that the Subject Property is not a specific source for the hexavalent chromium or arsenic detected in groundwater, and that hexavalent chromium concentrations comply with the screening level. The Subject Property is in an industrial area where the shallow groundwater is not used for drinking purposes; therefore, the contamination is not considered to pose a threat or potential threat to human health or the environment. Additionally, Boeing will file a deed restriction for the property to restrict drinking water production wells, or any other consumption or use of groundwater from the Subject Property.

No other constituents were detected in soil, soil gas, or groundwater at the Subject Property at concentrations greater than the screening levels; therefore, no additional action is warranted at this time.

USE OF THIS REPORT

This letter report has been prepared for the exclusive use of The Boeing Company for specific application to the Boeing Striker Property. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of Landau Associates. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau Associates, shall be at the user's sole risk. Landau Associates warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. We make no other warranty, either express or implied.

This document has been prepared under the supervision and direction of the following key staff.

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REFERENCES

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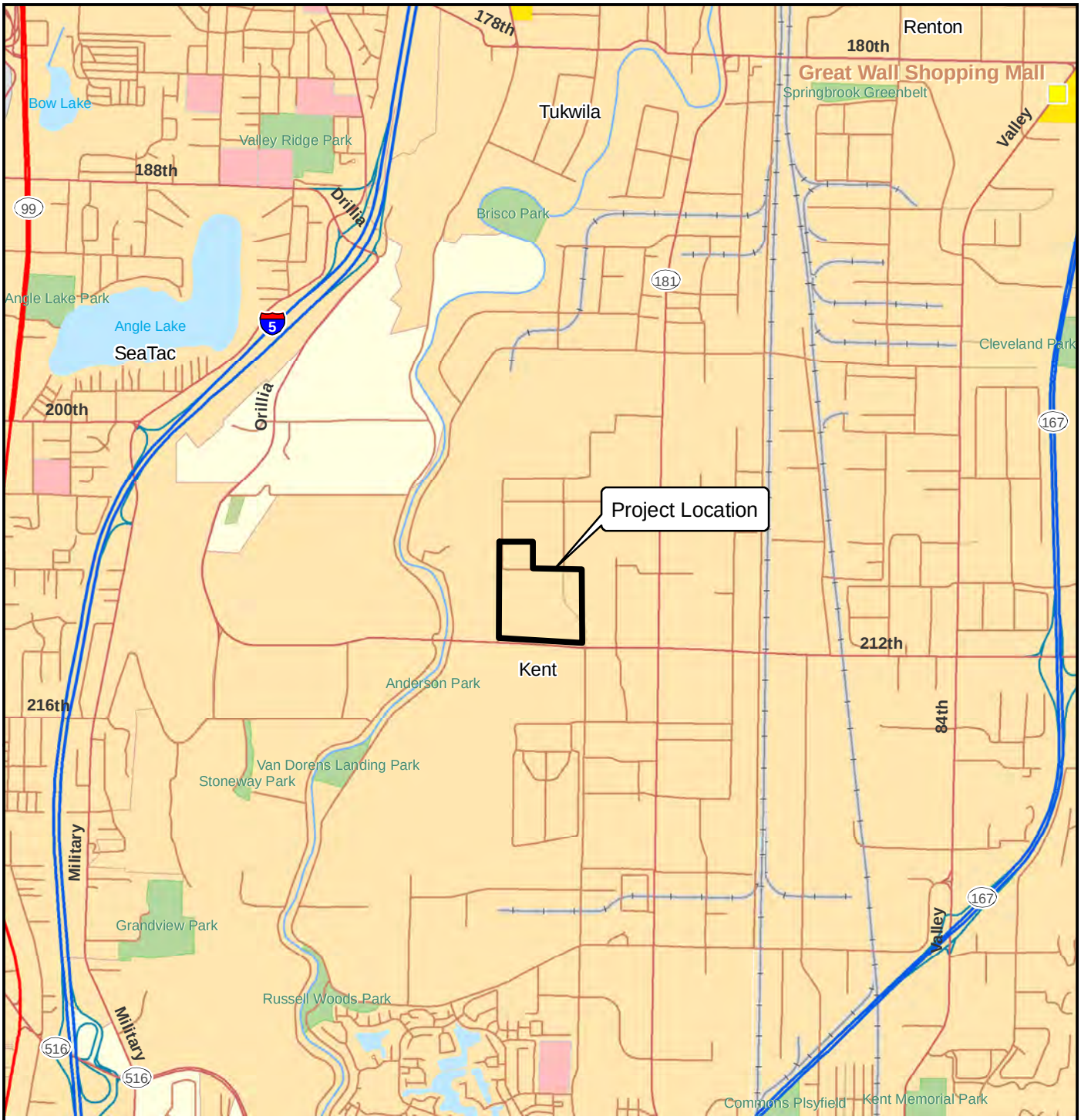
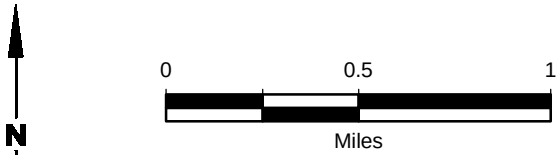
Landau Associates. 2002b. Report: *Phase II Environmental Site Assessment, Boeing Clearwater, Kent, Washington*. June 4.

Attachments:

Figure 1:	Vicinity Map
Figure 2:	Phase II Sample Locations
Table 1:	Summary of Sampling Locations and Analysis
Table 2:	Soil Analytical Results
Table 3:	Soil Gas Analytical Results
Table 4:	Groundwater Analytical Results
Attachment A:	Laboratory Analytical Reports
Attachment B:	Boring Logs
Attachment C:	Statistical Evaluation for Hexavalent Chromium in Groundwater





Data Source: ESRI 2008

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Project Striker Kent, Washington	**Vicinity Map**	Figure 1

Y:\Projects\025195\Mapdocs\Combined Phase II\Sampling Locations.mxd 3/17/2011 NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

- Direct Push Soil and Groundwater Sample
- Direct Push Groundwater Sample
- Direct Push Soil Sample
- Sub-slab Vapor Using Hand Tools
- Soil Gas from Direct Push Boring
- Soil Gas and Groundwater from Direct Push Boring
- Striker Property Boundary
- Phase II Investigation Boundary
- 200 ft Sampling Grid

0 250 500

Scale in Feet

Data Source: Google Earth Image; King County GIS

Note
1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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Project Striker
Kent, Washington

Site Plan and Sampling Locations

Figure 2

TABLE 1
SUMMARY OF SAMPLING LOCATIONS AND ANALYSIS
STRIKER PROPERTY, KENT SPACE CENTER
KENT, WASHINGTON

Sample ID	Sample Type	Collection Method	Field Observations	Sample Depth	Analysis(b)
DP-1	Groundwater	Direct Push	No evidence of contamination	5 ft to 10 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals (a)
DP-2	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 14 ft to 24 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-3	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 10 ft to 15 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-3	Soil	Direct Push	Odor at 7 ft to 11 ft BGS	7 ft to 8 ft	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-4	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed from 6 ft to 11 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-5	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 10 ft to 15 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-7	Soil	Direct Push	No evidence of contamination	3.4 ft to 4 ft BGS	PCBs, VOCs, SVOCs, TPH-Dx, TPH-GX, Metals
DP-8	Soil	Direct Push	No evidence of contamination	4.5 ft to 5 ft BGS	PCBs, VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-9	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 10 ft to 15 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-9	Soil	Direct Push	No evidence of contamination	5.5 ft to 6 ft BGS	PCBs, VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-11	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 6 ft to 16 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-11	Soil	Direct Push	No evidence of contamination	5 ft to 5.5 ft BGS	PCBs, VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-13	Soil	Direct Push	No evidence of contamination	4.5 ft to 5 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-15	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 10 ft to 15 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-16	Groundwater	Direct Push	No evidence of contamination	Temporary screen placed 10 ft to 15 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
DP-16	Soil	Direct Push	Slight odor at 2 ft BGS	7.5 ft to 8 ft BGS	VOCs, SVOCs, TPH-Dx, TPH-Gx, Metals
SG-1	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-2	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-3	Sub-slab Vapor	Hand Tools	Elevated PID readings	6 inches below impervious surface	VOCs
S-3a	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs

TABLE 1
SUMMARY OF SAMPLING LOCATIONS AND ANALYSIS
STRIKER PROPERTY, KENT SPACE CENTER
KENT, WASHINGTON

Sample ID	Sample Type	Collection Method	Field Observations	Sample Depth	Analysis(b)
SG-3b	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-3c	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-3d	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-4	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-5	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-6	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-7	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-8	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-9	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-10	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-11	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-12	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-13	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-14	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-15	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-16	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-17	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-18	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-19	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-20	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-21	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-22	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-23	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-24	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-25	Sub-slab Vapor	Hand Tools	No evidence of contamination	5 ft BGS	VOCs
SG-26	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-27	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs

TABLE 1
SUMMARY OF SAMPLING LOCATIONS AND ANALYSIS
STRIKER PROPERTY, KENT SPACE CENTER
KENT, WASHINGTON

Sample ID	Sample Type	Collection Method	Field Observations	Sample Depth	Analysis(b)
SG-28	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-29	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-30	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-31	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-32	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-33	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-34	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-35	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-36	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-37	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-38	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-39	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-40	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-41	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-42	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-43	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-44	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-45	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-46	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-47	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-48	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-49	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-50	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-51	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-52	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-53	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-54	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs

TABLE 1
SUMMARY OF SAMPLING LOCATIONS AND ANALYSIS
STRIKER PROPERTY, KENT SPACE CENTER
KENT, WASHINGTON

Sample ID	Sample Type	Collection Method	Field Observations	Sample Depth	Analysis(b)
SG-55	Soil Gas	Direct Push	No evidence of contamination	5 ft BGS	VOCs
SG-56	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-57	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-58	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs
SG-59	Sub-slab Vapor	Hand Tools	No evidence of contamination	6 inches below impervious surface	VOCs

Notes:

(a) Metals = Arsenic, cadmium, chromium, hexavalent chromium, copper, lead, mercury, zinc; analysis for hexavalent chromium.

(b) Analytical methods include VOCs by Method SW8260C, semivolatile organic compounds (SVOCs) by Method SW8270D, gasoline-range total petroleum hydrocarbons (TPH-G) by Method NWTPH-G, diesel-range total petroleum hydrocarbons (TPH-D) and oil-range petroleum hydrocarbons (TPH-O) by Method NWTPH-Dx, metals by EPA Method 200.8/SW6010B/SW7470/SW7471, polychlorinated biphenyls (PCBs) by Method SW8082, and hexavalent chromium by Method SM3500.

TABLE 2
SOIL ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels for Unrestricted Land Uses	MTCA Method B Cleanup Levels	KSC-DP-7 S-3.5-4 RG52C 7/29/2010	KSC-DP-8 S-4.5-5 RG52D 7/29/2010	KSC-DP-9 S-5.5-6 RG52E 7/29/2010	KSC-DP-11 S-5-5.5 RG71B 7/30/2010	KSC-DP-13 S-4.5-5 RG71C 7/30/2010	KSC-DP-26 S-1-1.5 SG19F 01/25/2011	KSC-DP-27 S-1-2 SG19H 01/25/2011	KSC-DP-28 S-2.5-3.5 SG19J 01/25/2011	KSC-DP-29 S-7-8 SG19G 01/25/2011	KSC-DP-30 S-2.5-3.5 SG19I 01/25/2011	KSC-DP-31 S-5-6 SG42I 01/26/2011	KSC-DP-32 S-3.5-4.5 SG42J 01/26/2011	KSC-DP-33 S-1.5-2.5 SG42K 01/26/2011
SEMIVOLATILES (µg/kg)															
Method SW8270D															
Phenol			62 U	62 U	62 U	64 U	64 U								
Bis-(2-Chloroethyl) Ether			62 U	62 U	62 U	64 U	64 U								
2-Chlorophenol			62 U	62 U	62 U	64 U	64 U								
1,3-Dichlorobenzene			62 U	62 U	62 U	64 U	64 U								
1,4-Dichlorobenzene			62 U	62 U	62 U	64 U	64 U								
Benzyl Alcohol			310 U	310 U	310 U	320 U	320 U								
1,2-Dichlorobenzene			62 U	62 U	62 U	64 U	64 U								
2-Methylphenol			62 U	62 U	62 U	64 U	64 U								
2,2'-Oxybis(1-Chloropropane)			62 U	62 U	62 U	64 U	64 U								
4-Methylphenol			62 U	62 U	62 U	64 U	64 U								
N-Nitroso-Di-N-Propylamine			310 U	310 U	310 U	320 U	320 U								
Hexachloroethane			62 U	62 U	62 U	64 U	64 U								
Nitrobenzene			62 U	62 U	62 U	64 U	64 U								
Isophorone			62 U	62 U	62 U	64 U	64 U								
2-Nitrophenol			62 U	62 U	62 U	64 U	64 U								
2,4-Dimethylphenol			62 U	62 U	62 U	64 U	64 U								
Benzoic Acid			620 U	620 U	620 U	640 U	640 U								
bis(2-Chloroethoxy) Methane			62 U	62 U	62 U	64 U	64 U								
2,4-Dichlorophenol			310 U	310 U	310 U	320 U	320 U								
1,2,4-Trichlorobenzene			62 U	62 U	62 U	64 U	64 U								
Naphthalene	5,000 (a)	4,500	62 U	62 U	62 U	64 U	64 U								
4-Chloroaniline			310 U	310 U	310 U	320 U	320 U								
Hexachlorobutadiene			62 U	62 U	62 U	64 U	64 U								
4-Chloro-3-methylphenol			310 U	310 U	310 U	320 U	320 U								
2-Methylnaphthalene	5,000 (a)	320,000	62 U	62 U	62 U	64 U	64 U								
Hexachlorocyclopentadiene			310 U	310 U	310 U	320 U	320 U								
2,4,6-Trichlorophenol			310 U	310 U	310 U	320 U	320 U								
2,4,5-Trichlorophenol			310 U	310 U	310 U	320 U	320 U								
2-Chloronaphthalene			62 U	62 U	62 U	64 U	64 U								
2-Nitroaniline			310 U	310 U	310 U	320 U	320 U								
Dimethylphthalate			62 U	62 U	62 U	64 U	64 U								
Acenaphthylene			62 U	62 U	62 U	64 U	64 U								
3-Nitroaniline			310 U	310 U	310 U	320 U	320 U								
Acenaphthene			62 U	62 U	62 U	64 U	64 U								
2,4-Dinitrophenol			620 UJ	620 UJ	620 UJ	640 UJ	640 UJ								
4-Nitrophenol			310 UJ	310 UJ	310 UJ	320 UJ	320 UJ								
Dibenzofuran		160,000	62 U	62 U	62 U	64 U	64 U								
2,6-Dinitrotoluene			310 U	310 U	310 U	320 U	320 U								
2,4-Dinitrotoluene			310 U	310 U	310 U	320 U	320 U								
Diethylphthalate			62 U	62 U	62 U	64 U	64 U								
4-Chlorophenyl-phenylether			62 U	62 U	62 U	64 U	64 U								
Fluorene		101,000	62 U	62 U	62 U	64 U	64 U								
4-Nitroaniline			310 U	310 U	310 U	320 U	320 U								
4,6-Dinitro-2-Methylphenol			620 U	620 U	620 U	640 U	640 U								
N-Nitrosodiphenylamine			62 U	62 U	62 U	64 U	64 U								
4-Bromophenyl-phenylether			62 U	62 U	62 U	64 U	64 U								
Hexachlorobenzene			62 U	62 U	62 U	64 U	64 U								
Pentachlorophenol			310 U	310 U	310 U	320 U	320 U								
Phenanthrene		--	62 U	62 U	62 U	64 U	64 U								
Carbazole			62 U	62 U	62 U	64 U	64 U								
Anthracene			62 U	62 U	62 U	64 U	64 U								
Di-n-Butylphthalate			62 U	62 U	62 U	64 U	64 U								
Fluoranthene			62 U	62 U	62 U	64 U	64 U								
Pyrene		650,000	62 U	62 U	62 U	64 U	64 U								
Butylbenzylphthalate			62 U	62 U	62 U	64 U	64 U								

TABLE 2
SOIL ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels for Unrestricted Land Uses	MTCA Method B Cleanup Levels	KSC-DP-7 S-3.5-4 RG52C 7/29/2010	KSC-DP-8 S-4.5-5 RG52D 7/29/2010	KSC-DP-9 S-5.5-6 RG52E 7/29/2010	KSC-DP-11 S-5-5.5 RG71B 7/30/2010	KSC-DP-13 S-4.5-5 RG71C 7/30/2010	KSC-DP-26 S-1-1.5 SG19F 01/25/2011	KSC-DP-27 S-1-2 SG19H 01/25/2011	KSC-DP-28 S-2.5-3.5 SG19J 01/25/2011	KSC-DP-29 S-7-8 SG19G 01/25/2011	KSC-DP-30 S-2.5-3.5 SG19I 01/25/2011	KSC-DP-31 S-5-6 SG42I 01/26/2011	KSC-DP-32 S-3.5-4.5 SG42J 01/26/2011	KSC-DP-33 S-1.5-2.5 SG42K 01/26/2011
3,3'-Dichlorobenzidine			310 U	310 U	310 U	320 U	320 U								
Benzo(a)anthracene			62 U	62 U	62 U	64 U	64 U								
bis(2-Ethylhexyl)phthalate		71,000	62 U	62 U	62 U	64 U	**100**								
Chrysene			62 U	62 U	62 U	64 U	64 U								
Di-n-Octyl phthalate			62 U	62 U	62 U	64 U	64 U								
Benzo(b)fluoranthene			62 U	62 U	62 U	64 U	64 U								
Benzo(k)fluoranthene			62 U	62 U	62 U	64 U	64 U								
Benzo(a)pyrene			62 U	62 U	62 U	64 U	64 U								
Indeno(1,2,3-cd)pyrene			62 U	62 U	62 U	64 U	64 U								
Dibenz(a,h)anthracene			62 U	62 U	62 U	64 U	64 U								
Benzo(g,h,i)perylene			62 U	62 U	62 U	64 U	64 U								
1-Methylnaphthalene	5,000 (a)	--	62 U	62 U	62 U	64 U	64 U								
cPAH TEQ	100		62 U	62 U	62 U	64 U	64 U								
VOLATILES (µg/kg)															
Method SW8260C															
Chloromethane			0.9 UJ	1.1 UJ	1.1 UJ	1.3 U	1.3 U								
Bromomethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Vinyl Chloride		1.8	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Chloroethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Methylene Chloride		22	1.8 UJ	2.1 UJ	2.1 UJ	2.6 U	2.6 U								
Acetone		3,200	**24**	**9.2**	**39**	**57** M	**42** M								
Carbon Disulfide		5,700	**1.6**	1.1 U	**6.1**	1.3 U	1.3 U								
1,1-Dichloroethene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,1-Dichloroethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
trans-1,2-Dichloroethene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
cis-1,2-Dichloroethene		350	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Chloroform			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,2-Dichloroethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
2-Butanone		20,000	4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
1,1,1-Trichloroethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Carbon Tetrachloride			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Vinyl Acetate			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
Bromodichloromethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,2-Dichloropropane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
cis-1,3-Dichloropropene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Trichloroethene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Dibromochloromethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,1,2-Trichloroethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Benzene		28	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
trans-1,3-Dichloropropene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
2-Chloroethylvinylether			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
Bromoform			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
4-Methyl-2-Pentanone (MIBK)			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
2-Hexanone			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
Tetrachloroethene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,1,2,2-Tetrachloroethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Toluene	7,000	4,700	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Chlorobenzene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Ethylbenzene	6,000	6,000	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Styrene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Trichlorofluoromethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,1,2-Trichloro-1,2,2-trifluoroethane			1.8 U	2.1 U	2.1 U	2.6 U	2.6 U								
m, p-Xylene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
o-Xylene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Total Xylenes	9,000	15,000	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,2-Dichlorobenzene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								

TABLE 2
SOIL ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels for Unrestricted Land Uses	MTCA Method B Cleanup Levels	KSC-DP-7 S-3.5-4 RG52C 7/29/2010	KSC-DP-8 S-4.5-5 RG52D 7/29/2010	KSC-DP-9 S-5.5-6 RG52E 7/29/2010	KSC-DP-11 S-5-5.5 RG71B 7/30/2010	KSC-DP-13 S-4.5-5 RG71C 7/30/2010	KSC-DP-26 S-1-1.5 SG19F 01/25/2011	KSC-DP-27 S-1-2 SG19H 01/25/2011	KSC-DP-28 S-2.5-3.5 SG19J 01/25/2011	KSC-DP-29 S-7-8 SG19G 01/25/2011	KSC-DP-30 S-2.5-3.5 SG19I 01/25/2011	KSC-DP-31 S-5-6 SG42I 01/26/2011	KSC-DP-32 S-3.5-4.5 SG42J 01/26/2011	KSC-DP-33 S-1.5-2.5 SG42K 01/26/2011
1,3-Dichlorobenzene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,4-Dichlorobenzene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Acrolein			45 U	53 U	53 U	66 U	64 U								
Methyl Iodide			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Bromoethane			1.8 U	2.1 U	2.1 U	2.6 U	2.6 U								
Acrylonitrile			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
1,1-Dichloropropene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Dibromomethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,1,1,2-Tetrachloroethane			0.9 UJ	1.1 UJ	1.1 UJ	1.3 U	1.3 U								
1,2-Dibromo-3-chloropropane			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
1,2,3-Trichloropropane			1.8 U	2.1 U	2.1 U	2.6 U	2.6 U								
trans-1,4-Dichloro-2-butene			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
1,3,5-Trimethylbenzene		4,000,000	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,2,4-Trimethylbenzene		4,000,000	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Hexachlorobutadiene			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
Ethylene Dibromide			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Bromochloromethane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
2,2-Dichloropropane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,3-Dichloropropane			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Isopropylbenzene		--	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
n-Propylbenzene		--	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
Bromobenzene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
2-Chlorotoluene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
4-Chlorotoluene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
tert-Butylbenzene			0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
sec-Butylbenzene		--	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
4-Isopropyltoluene		--	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
n-Butylbenzene		--	0.9 U	1.1 U	1.1 U	1.3 U	1.3 U								
1,2,4-Trichlorobenzene			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
Naphthalene	5,000	4,500	4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
1,2,3-Trichlorobenzene			4.5 U	5.3 U	5.3 U	6.6 U	6.4 U								
TOTAL PETROLEUM HYDROCARBONS (mg/kg)															
NWTPH-Dx															
Diesel Range Organics	2,000	2,000	5.6 U	5.6 U	5.5 U	5.9 U	5.9 U								
Lube Oil	2,000	2,000	11 U	11 U	**51**	12 U	12 U								
NWTPH-G															
Gasoline Range Organics	100	100	5.6 U	5.9 U	5.9 U	8.2 U	7.3 U								
TOTAL METALS (mg/kg) Methods EPA200.8/SW7471A															
Arsenic	20	7	**3.0**	**1.5**	**1.8**	**3.2**	**3.5**	**3.1**	**3.5**	**3.8**	**4.1**	**4.7**	**4.3**	**7.7**	**8.6**
Cadmium			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U								
Chromium	2,000 (b)	120,000	**29**	**29**	**21**	**10.9**	**14.3**								
Copper		260	**22.1**	**18.1**	**15.4**	**16.4**	**20.3**								
Lead	250	250	**4**	**3**	**2**	**3**	**5**								
Mercury	2	2.1	**0.03**	0.02 U	**0.03**	0.03 U	0.03 U								
Zinc		6,000	**42**	**37**	**28**	**25**	**29**								

TABLE 2
SOIL ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels for Unrestricted Land Uses	MTCA Method B Cleanup Levels	KSC-DP-7 S-3.5-4 RG52C 7/29/2010	KSC-DP-8 S-4.5-5 RG52D 7/29/2010	KSC-DP-9 S-5.5-6 RG52E 7/29/2010	KSC-DP-11 S-5-5.5 RG71B 7/30/2010	KSC-DP-13 S-4.5-5 RG71C 7/30/2010	KSC-DP-26 S-1-1.5 SG19F 01/25/2011	KSC-DP-27 S-1-2 SG19H 01/25/2011	KSC-DP-28 S-2.5-3.5 SG19J 01/25/2011	KSC-DP-29 S-7-8 SG19G 01/25/2011	KSC-DP-30 S-2.5-3.5 SG19I 01/25/2011	KSC-DP-31 S-5-6 SG42I 01/26/2011	KSC-DP-32 S-3.5-4.5 SG42J 01/26/2011	KSC-DP-33 S-1.5-2.5 SG42K 01/26/2011
PCBs (µg/kg)															
Method SW8082															
Aroclor 1016			32 U	32 U	31 U	31 U	32 U								
Aroclor 1242			32 U	32 U	31 U	31 U	32 U								
Aroclor 1248			32 U	32 U	31 U	31 U	32 U								
Aroclor 1254			32 U	32 U	31 U	31 U	32 U								
Aroclor 1260			32 U	32 U	31 U	31 U	32 U								
Aroclor 1221			32 U	32 U	31 U	31 U	32 U								
Aroclor 1232			32 U	32 U	31 U	31 U	32 U								
Total PCBs	1,000		32 U	32 U	31 U	31 U	32 U								
CONVENTIONALS															
Chromium, Hexavalent (SM3500CrD) (mg/kg)	19	18	0.445 UJ	0.434 U	0.426 U	0.457 U	0.458 U	0.452 UJ	0.436 U	0.455 U	0.430 U	0.462 U			
Total Solids (%)			88.90	89.60	90.70	86.20	84.90	85.80	90.00	84.60	86.40	85.60			

U = Indicates the compound was undetected at the reported concentration.
J = Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected in the sample; the reported sample reporting limit is an estimate.
M = Indicates an estimated value of analyte found and confirmed by analyst but with low spectral match.
Bold = Detected compound.
Box = Indicates detected concentration exceeds screening level.
(a) Cleanup level presented is for total naphthalenes.
(b) Cleanup level presented is for Chromium III.

TABLE 3
SOIL GAS ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	Soil Gas Screening Level ($\mu g/m^3$) (a)	KSC-SG 17-4.5-5.0 7/27/10	KSC-SG 18-0.5 7/27/10	KSC-SG 19-0.5 7/27/10	KSC-SG 20-4.5-5.0 7/27/10	KSC-SG 21-4.5-5 7/29/10	KSC-SG 22-4.5-5.0 7/27/10	KSC-SG 23-0.5 7/27/10	KSC-SG 24-4.5-5.0 7/28/10	KSC-SG 25-0.5 7/27/10	KSC-SG 26-4.5-5.0 7/28/10	KSC-SG 27-4.5-5.0 7/28/10	KSC-SG 28-4.5-5.0 7/28/10	KSC-SG 29-0.5 7/28/10	KSC-SG 30-0.5 7/28/10	KSC-SG 31-0.5 7/28/10	KSC-SG 32-0.5 7/29/10	KSC-SG 33-0.5 7/28/10	KSC-SG 34-4.5-5 7/29/10	KSC-SG 35-0.5 7/28/10
VOLATILES ($\mu g/m^3$)																				
Chloromethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Vinyl chloride	2.8	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Bromomethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chloroethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Trichlorofluoromethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
1,1-Dichloroethene		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Methylene chloride		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
trans-1,2-Dichloroethene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1-Dichloroethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
cis-1,2-Dichloroethene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chloroform		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane (TCA)		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Carbon tetrachloride		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,2-Dichloroethane (EDC)		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Trichloroethene (TCE)	1	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,2-Dichloropropane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bromodichloromethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
cis-1,3-Dichloropropene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Toluene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Trans-1,3-Dichloropropene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	4.2	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chlorobenzene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Ethylbenzene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Total Xylenes		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Styrenes		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bromoform		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2,2-Tetrachloroethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

TABLE 3
SOIL GAS ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	Soil Gas Screening Level ($\mu g/m^3$) (a)	KSC-SG 36-0.5 7/28/10	KSC-SG 37-0.5 7/28/10	KSC-SG 38-0.5 7/28/10	KSC-SG 39-4.5-5 7/30/10	KSC-SG 40-0.5 7/29/10	KSC-SG 41-4.5-5 7/30/10	KSC-SG 42-4.5-5 7/30/10	KSC-SG 43-0.5 N/A	KSC-SG 44-4.5-5 7/29/10	KSC-SG 45-0.5 7/28/10	KSC-SG 46-4.5-5 7/29/10	KSC-SG 47-4.5-5 7/30/10	KSC-SG 48-0.5 7/29/10	KSC-SG 49-0.5 7/28/10	KSC-SG 50-0.5 7/27/10	KSC-SG 51-0.5 7/29/10	KSC-SG 52-4.5-5 7/30/10	KSC-SG 53-4.5-5 7/30/10	KSC-SG 54-4.5-5 7/30/10	KSC-SG 55-4.5-5 7/29/10
VOLATILES ($\mu g/m^3$)																					
Chloromethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Vinyl chloride	2.8	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Bromomethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chloroethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Trichlorofluoromethane		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
1,1-Dichloroethene		200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Methylene chloride		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
trans-1,2-Dichloroethene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1-Dichloroethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
cis-1,2-Dichloroethene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chloroform		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,1-Trichloroethane (TCA)		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Carbon tetrachloride		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,2-Dichloroethane (EDC)		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Trichloroethene (TCE)	1	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,2-Dichloropropane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bromodichloromethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
cis-1,3-Dichloropropene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Toluene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Trans-1,3-Dichloropropene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2-Trichloroethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	4.2	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chlorobenzene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Ethylbenzene		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Total Xylenes		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Styrenes		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bromoform		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
1,1,2,2-Tetrachloroethane		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U

TABLE 3
SOIL GAS ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	Soil Gas Screening Level ($\mu g/m^3$) (a)	KSC-SG 56-0.5 7/29/10	KSC-SG 57-0.5 7/29/10	KSC-SG 58-0.5 7/29/10	KSC-SG 59-0.5 7/29/10
VOLATILES ($\mu g/m^3$)					
Chloromethane		200 U	200 U	200 U	200 U
Vinyl chloride	2.8	20 U	20 U	20 U	20 U
Bromomethane		200 U	200 U	200 U	200 U
Chloroethane		200 U	200 U	200 U	200 U
Trichlorofluoromethane		200 U	200 U	200 U	200 U
1,1-Dichloroethene		200 U	200 U	200 U	200 U
Methylene chloride		100 U	100 U	100 U	100 U
trans-1,2-Dichloroethene		100 U	100 U	100 U	100 U
1,1-Dichloroethane		100 U	100 U	100 U	100 U
cis-1,2-Dichloroethene		100 U	100 U	100 U	100 U
Chloroform		100 U	100 U	100 U	100 U
1,1,1-Trichloroethane (TCA)		100 U	100 U	100 U	100 U
Carbon tetrachloride		100 U	100 U	100 U	100 U
Benzene		100 U	100 U	100 U	100 U
1,2-Dichloroethane (EDC)		100 U	100 U	100 U	100 U
Trichloroethene (TCE)	1	100 U	100 U	100 U	100 U
1,2-Dichloropropane		100 U	100 U	100 U	100 U
Bromodichloromethane		100 U	100 U	100 U	100 U
cis-1,3-Dichloropropene		100 U	100 U	100 U	100 U
Toluene		100 U	100 U	100 U	100 U
Trans-1,3-Dichloropropene		100 U	100 U	100 U	100 U
1,1,2-Trichloroethane		100 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	4.2	100 U	100 U	100 U	100 U
Dibromochloromethane		100 U	100 U	100 U	100 U
Chlorobenzene		100 U	100 U	100 U	100 U
Ethylbenzene		100 U	100 U	100 U	100 U
Total Xylenes		100 U	100 U	100 U	100 U
Styrenes		100 U	100 U	100 U	100 U
Bromoform		100 U	100 U	100 U	100 U
1,1,2,2-Tetrachloroethane		100 U	100 U	100 U	100 U

U = Indicates the compound was undetected at the reported concentration.
Bold = Detected compound.
Boxed value indicates detected concentration exceeds the screening level.
(a) Soil Gas Screening Levels from Guidance for Evaluating Soil Vapor Intrustion in Washington State: Investigation and Remediation (Washington State Department of Ecology Publication No. 09-09-047).

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels	MTCA Method B Cleanup Levels	KSC-DP-5 RG63A/RI68A 7/30/2010	KSC-DP-9 RG52B 7/29/2010	KSC-DP-11 RG63E/RI68E 7/30/2010	KSC-DP-15 RG74A 7/30/2010	KSC-DP-26 SG19A 01/25/2011	KSC-DP-27 SG19C 01/25/2011	KSC-DP-28 SG19E 01/25/2011	KSC-DP-29 SG19B 01/25/2011	KSC-DP-30 SG19D 01/25/2011	KSC-DP-31 SG42A 01/26/2011	KSC-DP-32 SG42B 01/26/2011	KSC-DP-33 SG42C 01/26/2011
SEMIVOLATILES (µg/L)														
Method SW8270D														
Phenol			1.0 U	1.0 U	1.0 U	1.0 U								
Bis-(2-Chloroethyl) Ether			1.0 U	1.0 U	1.0 U	1.0 U								
2-Chlorophenol			1.0 U	1.0 U	1.0 U	1.0 U								
1,3-Dichlorobenzene			1.0 U	1.0 U	1.0 U	1.0 U								
1,4-Dichlorobenzene			1.0 U	1.0 U	1.0 U	1.0 U								
Benzyl Alcohol			5.0 U	5.0 U	5.0 U	5.0 U								
1,2-Dichlorobenzene			1.0 U	1.0 U	1.0 U	1.0 U								
2-Methylphenol			1.0 U	1.0 U	1.0 U	1.0 U								
2,2'-Oxybis(1-Chloropropane)			1.0 U	1.0 U	1.0 U	1.0 U								
4-Methylphenol			1.0 U	1.0 U	1.0 U	1.0 U								
N-Nitroso-Di-N-Propylamine			1.0 U	1.0 U	1.0 U	1.0 U								
Hexachloroethane			1.0 U	1.0 U	1.0 U	1.0 U								
Nitrobenzene			1.0 U	1.0 U	1.0 U	1.0 U								
Isophorone			1.0 U	1.0 U	1.0 U	1.0 U								
2-Nitrophenol			5.0 U	5.0 U	5.0 U	5.0 U								
2,4-Dimethylphenol			1.0 U	1.0 U	1.0 U	1.0 U								
Benzoic Acid			10 U	10 U	10 U	10 U								
bis(2-Chloroethoxy) Methane			1.0 U	1.0 U	1.0 U	1.0 U								
2,4-Dichlorophenol			5.0 U	5.0 U	5.0 U	5.0 U								
1,2,4-Trichlorobenzene			1.0 U	1.0 U	1.0 U	1.0 U								
Naphthalene			1.0 U	1.0 U	1.0 U	1.0 U								
4-Chloroaniline			5.0 U	5.0 U	5.0 U	5.0 U								
Hexachlorobutadiene			1.0 U	1.0 U	1.0 U	1.0 U								
4-Chloro-3-methylphenol			5.0 U	5.0 U	5.0 U	5.0 U								
2-Methylnaphthalene		32	1.0 U	1.0 U	1.0 U	1.0 U								
Hexachlorocyclopentadiene			5.0 U	5.0 U	5.0 U	5.0 U								
2,4,6-Trichlorophenol			5.0 U	5.0 U	5.0 U	5.0 U								
2,4,5-Trichlorophenol			5.0 U	5.0 U	5.0 U	5.0 U								
2-Chloronaphthalene			1.0 U	1.0 U	1.0 U	1.0 U								
2-Nitroaniline			5.0 U	5.0 U	5.0 U	5.0 U								
Dimethylphthalate			1.0 U	1.0 U	1.0 U	1.0 U								
Acenaphthylene			1.0 U	1.0 U	1.0 U	1.0 U								
3-Nitroaniline			5.0 U	5.0 U	5.0 U	5.0 U								
Acenaphthene			1.0 U	1.0 U	1.0 U	1.0 U								
2,4-Dinitrophenol			10 UJ	10 U	10 UJ	10 UJ								
4-Nitrophenol			5.0 U	5.0 U	5.0 UJ	5.0 UJ								
Dibenzofuran			1.0 U	1.0 U	1.0 U	1.0 U								
2,6-Dinitrotoluene			5.0 U	5.0 U	5.0 U	5.0 U								
2,4-Dinitrotoluene			5.0 U	5.0 U	5.0 U	5.0 U								
Diethylphthalate			1.0 U	1.0 U	1.0 U	1.0 U								
4-Chlorophenyl-phenylether			1.0 U	1.0 U	1.0 U	1.0 U								
Fluorene			1.0 U	1.0 U	1.0 U	1.0 U								
4-Nitroaniline			5.0 U	5.0 U	5.0 U	5.0 U								
4,6-Dinitro-2-Methylphenol			10 U	10 U	10 U	10 U								
N-Nitrosodiphenylamine			5.0 UJ	5.0 U	5.0 UJ	5.0 UJ								
4-Bromophenyl-phenylether			1.0 U	1.0 U	1.0 U	1.0 U								
Hexachlorobenzene			1.0 U	1.0 U	1.0 U	1.0 U								
Pentachlorophenol			5.0 U	5.0 U	5.0 U	5.0 U								
Phenanthrene			1.0 U	1.0 U	1.0 U	1.0 U								
Carbazole			1.0 U	1.0 U	1.0 U	1.0 U								
Anthracene			1.0 U	1.0 U	1.0 U	1.0 U								
Di-n-Butylphthalate			1.0 U	1.0 U	1.0 U	1.0 U								
Fluoranthene			1.0 U	1.0 U	1.0 U	1.0 U								
Pyrene			1.0 U	1.0 U	1.0 U	1.0 U								
Butylbenzylphthalate			1.0 U	1.0 U	1.0 U	1.0 U								
3,3'-Dichlorobenzidine			5.0 U	5.0 U	5.0 U	5.0 U								
Benzo(a)anthracene			1.0 U	1.0 U	1.0 U	1.0 U								

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels	MTCA Method B Cleanup Levels	KSC-DP-5 RG63A/RI68A 7/30/2010	KSC-DP-9 RG52B 7/29/2010	KSC-DP-11 RG63E/RI68E 7/30/2010	KSC-DP-15 RG74A 7/30/2010	KSC-DP-26 SG19A 01/25/2011	KSC-DP-27 SG19C 01/25/2011	KSC-DP-28 SG19E 01/25/2011	KSC-DP-29 SG19B 01/25/2011	KSC-DP-30 SG19D 01/25/2011	KSC-DP-31 SG42A 01/26/2011	KSC-DP-32 SG42B 01/26/2011	KSC-DP-33 SG42C 01/26/2011
bis(2-Ethylhexyl)phthalate		6	**2.0**	1.0 U	1.0 U	1.0 U								
Chrysene			1.0 U	1.0 U	1.0 U	1.0 U								
Di-n-Octyl phthalate			1.0 U	1.0 U	1.0 U	1.0 U								
Benzo(b)fluoranthene			1.0 U	1.0 U	1.0 U	1.0 U								
Benzo(k)fluoranthene			1.0 U	1.0 U	1.0 U	1.0 U								
Benzo(a)pyrene			1.0 U	1.0 U	1.0 U	1.0 U								
Indeno(1,2,3-cd)pyrene			1.0 U	1.0 U	1.0 U	1.0 U								
Dibenz(a,h)anthracene			1.0 U	1.0 U	1.0 U	1.0 U								
Benzo(g,h,i)perylene			1.0 U	1.0 U	1.0 U	1.0 U								
1-Methylnaphthalene			1.0 U	1.0 U	1.0 U	1.0 U								
cPAH TEQ	0.1		1.0 U	1.0 U	1.0 U	1.0 U								
VOLATILES (µg/L)														
Method SW8260C														
Chloromethane			0.5 U	0.5 U	0.5 U	0.5 U								
Bromomethane			1.0 U	1.0 U	1.0 U	1.0 U								
Vinyl Chloride	0.2	0.29	0.2 U	0.2 U	0.2 U	0.2 U								
Chloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
Methylene Chloride			0.5 U	0.5 U	0.5 U	0.5 U								
Acetone		800	5.0 U	5.0 U	5.0 U	5.0 U								
Carbon Disulfide			0.2 U	0.2 U	0.2 U	0.2 U								
1,1-Dichloroethene			0.2 U	0.2 U	0.2 U	0.2 U								
1,1-Dichloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
trans-1,2-Dichloroethene		100	0.2 U	0.2 U	0.2 U	0.2 U								
cis-1,2-Dichloroethene		70	0.2 U	0.2 U	0.2 U	**0.3**								
Chloroform			0.2 U	0.2 U	0.2 U	0.2 U								
1,2-Dichloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
2-Butanone			5.0 U	5.0 U	5.0 U	5.0 U								
1,1,1-Trichloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
Carbon Tetrachloride			0.2 U	0.2 U	0.2 U	0.2 U								
Vinyl Acetate			1.0 U	1.0 U	1.0 U	1.0 U								
Bromodichloromethane			0.2 U	0.2 U	0.2 U	0.2 U								
1,2-Dichloropropane			0.2 U	0.2 U	0.2 U	0.2 U								
cis-1,3-Dichloropropene			0.2 U	0.2 U	0.2 U	0.2 U								
Trichloroethene			0.2 U	0.2 U	0.2 U	0.2 U								
Dibromochloromethane			0.2 U	0.2 U	0.2 U	0.2 U								
1,1,2-Trichloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
Benzene			0.2 U	0.2 U	0.2 U	0.2 U								
trans-1,3-Dichloropropene			0.2 U	0.2 U	0.2 U	0.2 U								
2-Chloroethylvinylether			1.0 U	1.0 U	1.0 U	1.0 U								
Bromoform			0.2 U	0.2 U	0.2 U	0.2 U								
4-Methyl-2-Pentanone (MIBK)			5.0 U	5.0 U	5.0 U	5.0 U								
2-Hexanone			5.0 U	5.0 U	5.0 U	5.0 U								
Tetrachloroethene			0.2 U	0.2 U	0.2 U	0.2 U								
1,1,2,2-Tetrachloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
Toluene	1,000	640	**0.2**	0.2 U	0.2 U	0.2 U								
Chlorobenzene			0.2 U	0.2 U	0.2 U	0.2 U								
Ethylbenzene			0.2 U	0.2 U	0.2 U	0.2 U								
Styrene			0.2 U	0.2 U	0.2 U	0.2 U								
Trichlorofluoromethane			0.2 U	0.2 U	0.2 U	0.2 U								
1,1,2-Trichloro-1,2,2-trifluoroethane			0.2 U	0.2 U	0.2 U	0.2 U								
m, p-Xylene			0.4 U	0.4 U	0.4 U	0.4 U								
o-Xylene			0.2 U	0.2 U	0.2 U	0.2 U								
Total Xylenes	1,000		0.4 U	0.4 U	0.4 U	0.4 U								
1,2-Dichlorobenzene			0.2 U	0.2 U	0.2 U	0.2 U								
1,3-Dichlorobenzene			0.2 U	0.2 U	0.2 U	0.2 U								
1,4-Dichlorobenzene			0.2 U	0.2 U	0.2 U	0.2 U								
Acrolein			5.0 U	5.0 U	5.0 U	5.0 U								
Methyl Iodide			1.0 U	1.0 U	1.0 U	1.0 U								

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels	MTCA Method B Cleanup Levels	KSC-DP-5 RG63A/RI68A 7/30/2010	KSC-DP-9 RG52B 7/29/2010	KSC-DP-11 RG63E/RI68E 7/30/2010	KSC-DP-15 RG74A 7/30/2010	KSC-DP-26 SG19A 01/25/2011	KSC-DP-27 SG19C 01/25/2011	KSC-DP-28 SG19E 01/25/2011	KSC-DP-29 SG19B 01/25/2011	KSC-DP-30 SG19D 01/25/2011	KSC-DP-31 SG42A 01/26/2011	KSC-DP-32 SG42B 01/26/2011	KSC-DP-33 SG42C 01/26/2011
Bromoethane			0.2 U	0.2 U	0.2 U	0.2 U								
Acrylonitrile			1.0 U	1.0 U	1.0 U	1.0 U								
1,1-Dichloropropene			0.2 U	0.2 U	0.2 U	0.2 U								
Dibromomethane			0.2 U	0.2 U	0.2 U	0.2 U								
1,1,1,2-Tetrachloroethane			0.2 U	0.2 U	0.2 U	0.2 U								
1,2-Dibromo-3-chloropropane			0.5 U	0.5 U	0.5 U	0.5 U								
1,2,3-Trichloropropane			0.5 U	0.5 U	0.5 U	0.5 U								
trans-1,4-Dichloro-2-butene			1.0 U	1.0 U	1.0 U	1.0 U								
1,3,5-Trimethylbenzene		400	0.2 U	0.2 U	0.2 U	0.2 U								
1,2,4-Trimethylbenzene		40	0.2 U	0.2 U	0.2 U	0.2 U								
Hexachlorobutadiene			0.5 U	0.5 U	0.5 U	0.5 U								
Ethylene Dibromide			0.2 U	0.2 U	0.2 U	0.2 U								
Bromochloromethane			0.2 U	0.2 U	0.2 U	0.2 U								
2,2-Dichloropropane			0.2 U	0.2 U	0.2 U	0.2 U								
1,3-Dichloropropane			0.2 U	0.2 U	0.2 U	0.2 U								
Isopropylbenzene			0.2 U	0.2 U	0.2 U	0.2 U								
n-Propylbenzene		--	0.2 U	0.2 U	0.2 U	0.2 U								
Bromobenzene			0.2 U	0.2 U	0.2 U	0.2 U								
2-Chlorotoluene			0.2 U	0.2 U	0.2 U	0.2 U								
4-Chlorotoluene			0.2 U	0.2 U	0.2 U	0.2 U								
tert-Butylbenzene			0.2 U	0.2 U	0.2 U	0.2 U								
sec-Butylbenzene		--	0.2 U	0.2 U	0.2 U	0.2 U								
4-Isopropyltoluene		--	0.2 U	0.2 U	0.2 U	0.2 U								
n-Butylbenzene		--	0.2 U	0.2 U	0.2 U	0.2 U								
1,2,4-Trichlorobenzene			0.5 U	0.5 U	0.5 U	0.5 U								
Naphthalene	160	160	0.5 U	0.5 U	0.5 U	0.5 U								
1,2,3-Trichlorobenzene			0.5 U	0.5 U	0.5 U	0.5 U								
TOTAL PETROLEUM HYDROCARBONS (mg/L)														
NWTPH-Dx														
Diesel Range Organics	0.5	0.5	0.10 U	0.10 U	0.10 U	0.10 U								
Lube Oil	0.5	0.5	0.20 U	0.20 U	0.20 U	0.20 U								
NWTPH-G														
Gasoline Range Organics	1	1	0.25 U	0.25 U	0.25 U	0.25 U								
DISSOLVED METALS (µg/L) Methods EPA200.8/SW7470A														
Arsenic	5	5	**114**	**13.8**	**43.8**	**9.1**	**0.8**	**111**	**18**	**1.1**	**31.9**	**65.4**	**2.8**	**0.3**
Cadmium				0.2 U										
Chromium	50	100		**2**										
Copper		590		**0.8**										
Lead				1 U										
Mercury				0.1 U										
Zinc				4 U										
DISSOLVED METALS (µg/L) Methods SW6010B/SW7470A														
Arsenic	5	5	**120**		50 U	50 U								
Cadmium			2 U		2 U	2 U								
Chromium			5 U		5 U	5 U								
Copper			2 U		2 U	2 U								
Lead			20 U		20 U	20 U								
Mercury			0.1 U		0.1 U	0.1 U								
Zinc			10 U		10 U	10 U								

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
STRIKER PROPERTY – BOEING SPACE CENTER
KENT, WASHINGTON

	MTCA Method A Cleanup Levels	MTCA Method B Cleanup Levels	KSC-DP-5 RG63A/RI68A 7/30/2010	KSC-DP-9 RG52B 7/29/2010	KSC-DP-11 RG63E/RI68E 7/30/2010	KSC-DP-15 RG74A 7/30/2010	KSC-DP-26 SG19A 01/25/2011	KSC-DP-27 SG19C 01/25/2011	KSC-DP-28 SG19E 01/25/2011	KSC-DP-29 SG19B 01/25/2011	KSC-DP-30 SG19D 01/25/2011	KSC-DP-31 SG42A 01/26/2011	KSC-DP-32 SG42B 01/26/2011	KSC-DP-33 SG42C 01/26/2011
CONVENTIONALS (mg/L)														
Chromium, Hexavalent (SM3500CrD)		0.048	**0.049** J	**0.023**	**0.040**		0.010 U	0.010 U	0.010 U	0.010 U	**0.014**			

U = Indicates the compound was undetected at the reported concentration.
J = Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was not detected in the sample; the reported sample reporting limit is an estimate.
M = Indicates an estimated value of analyte found and confirmed by analyst but with low spectral match.
Bold = Detected compound.
Box = indicates detected concentration exceeds screening level.

ATTACHMENT A

Laboratory Analytical Results

Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 19, 2010

Tim Syverson
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Striker 025195.020.022
ARI Job: RG52 - Revised

Dear Tim

Enclosed, please find the original Chain-of-Custody (COC) record, sample receipt documentation, and final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted two water samples and four soil samples in good condition on July 29, 2010. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form. Per Landau Associates, water samples were allowed to settle and sample aliquot was collected from the clear portion.

The samples were analyzed for Total & Dissolved Metals, Hexavalent Chrome, SVOCs, VOCs, PCBs, NWTPH-Dx and NWTPH-Gx, as requested on the COC.

Surrogates Bromofluorobenzene and d4-1,2-Dichlorobenzene were out of control high in the original VOC analysis of sample **KSC-DP-3-S-7-8-100729**. These surrogates were in control in the reanalysis.

Trichlorofluoromethane and trans-1,4-Dichloro-2-butene were out of control high in the VOC CCAL on 08/09/10 – associated with the analysis of the water samples. These compounds were not detected in the samples. No further corrective action was required.

Chloromethane, Methylene Chloride, and 1,1,1,2-Tetrachloroethane were out of control low in the VOC CCAL on 08/09/10 – associated with the analysis of soil samples. No further corrective action was required.

Bromomethane, 4-Chlorotoluene, 4-Isopropyltoluene, and n-Butylbenzene were out of control high in the VOC CCAL on 08/10/10 – associated with the reanalysis of sample **KSC-DP-3-S-7-8-100729**, while Methyl Iodide was out of control low. No further corrective action was required.

Surrogates d5-Phenol and d4-2-Chlorophenol were out of control high in the SVOC water LCS. No further corrective action was taken.

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Benzyl Alcohol was out of control high in the SVOC LCS and LCSD associated with the water samples. There were no detections for this compound in the samples. No further corrective action was taken.

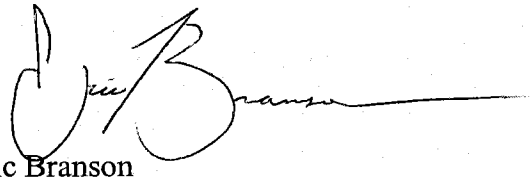
The SVOC CCAL from 08/11/10, associated with the soil samples, was out of control low for 2,4-Dinitrophenol and 4-Nitrophenol. No further corrective action was required.

Aroclor 1016 was out of control high in the PCB LCS and LCSD. There were no detections in the samples. No further corrective action was taken.

The soluble and insoluble water matrix spikes were out of control low for Hexavalent Chrome, with only the soluble soil matrix spike out of control low. All other quality control measures were in control. No further corrective action was taken.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC



Eric Branson
Project Manager
-for-
Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com

Data Reporting Qualifiers

Effective 7/10/2009

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

Q Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20%Drift or minimum RRF).

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NR Spiked compound recovery is not reported due to chromatographic interference

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

M2 The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

LANDAU ASSOCIATES

☒ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

R652

Chain-of-Custody Record

Date 7/29/10
Page 1 of _____

Project Name Striker
Project No. 025195.020.022
Project Location/Event Striker Property
Sampler's Name CFB/SED
Project Contact Tim Stverson/Joe Flaherty (Boeing)
Send Results To " / " / Kathryn Hallen

Turnaround Time
☒ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	RCRA 8 Metals	Metals w/Cr6	SVOC	VOC by 5035	TPH-Dx	TPH-Gx by 5035	Metals-Filtered	8260B VOC	TPH-Gx	Cr6 Filtered	
KSC-DP-7-S-3.5-4-100729	7/29/10	935	soil	7	X	X	X	X	X	X					
KSC-DP-8S4.5-5-100729	7/29/10	915	soil	7	X	X	X	X	X	X					
KSC-DP-9-5.5-6-100729	7/29/10	1000	soil	7	X	X	X	X	X	X					
KSC-DP-5-GW-100729	7/29/10	1515	water	11			X		X		X	X	X	X	
KSC-DP-9-GW-100729	7/29/10	1705	water	11			X		V		X	X	X	X	
~~KSC-DP-3-GW~~ CFB															
KSC-DP-3-S-7-8-100729	7/29/10	1455	soil	7	X	X	X	X	X	X					

Observations/Comments

- X Allow water samples to settle, collect aliquot from clear portion
- X NWTPH-Dx - run acid wash/silica gel cleanup
- ___ run samples standardized to _____ product
- ___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
- ___ non-preserved
- ___ preserved w/methanol
- ___ preserved w/sodium bisulfate
- ___ Freeze upon receipt

☒ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name Chris Bruce	Printed Name	Printed Name	Printed Name
Company LANDAU	Company AKE	Company	Company
Date 7/29/10 Time 1925	Date 7/29/10 Time 1925	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

R652 : 00093

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: ~~Boeing~~ ~~Landau~~ Boeing Project Name: Striker

COC No(s): _____ NA Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other: _____

Assigned ARI Job No: RG411 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? (YES) NO

Were custody papers included with the cooler? ..... (YES) NO

Were custody papers properly filled out (ink, signed, etc.) ..... (YES) NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)..... 1.4

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90877752

Cooler Accepted by: JM Date: 7/29/10 Time: 1825

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? ..... YES (NO)

What kind of packing material was used? ... Bubble Wrap ~~Wet Ice~~ Gel Packs Baggies ~~Foam Block~~ Paper Other: _____

Was sufficient ice used (if appropriate)? ..... NA ~~YES~~ NO

Were all bottles sealed in individual plastic bags? ..... YES (NO)

Did all bottles arrive in good condition (unbroken)? ..... ~~YES~~ NO

Were all bottle labels complete and legible? ..... ~~YES~~ NO

Did the number of containers listed on COC match with the number of containers received? ..... ~~YES~~ NO

Did all bottle labels and tags agree with custody papers? ..... ~~YES~~ NO

Were all bottles used correct for the requested analyses? ..... ~~YES~~ NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)... NA ~~YES~~ NO

Were all VOC vials free of air bubbles? ..... NA ~~YES~~ NO

Was sufficient amount of sample sent in each bottle? ..... ~~YES~~ NO

Date VOC Trip Blank was made at ARI..... (NA) _____

Was Sample Split by ARI : NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: Bob Coyle Date: 7/30 Time: 1030

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC
DP-4-GW-100729	DP-5-GW-100729		

Additional Notes, Discrepancies, & Resolutions:

* WATER SAMPLE COLLECTED AT 1515. BOTTLES ALL SAY DP-4 COC READS DP-5.

* ALSO, ONE SOIL JAR FROM DP-7

By: BC Date: 7/30/10 SAMPLE SET READS DP-12 (REST OF ID MATCHES).

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
•	•	●

Small → "sm"

Peabubbles → "pb"

Large → "lg"

Headspace → "hs"

PRESERVATION VERIFICATION 07/30/10
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **RG52**

PC: Kelly
VTSR: 07/29/10

Inquiry Number: NONE
Analysis Requested: 07/30/10
Contact: Syverson, Tim
Client: Landau Associates, Inc.
Logged by: BC
Sample Set Used: Yes-490
Validatable Package: No
Deliverables:

Project #: 025195.020.022
Project: Striker
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-18191 **RG52A**	KSC-DP-5-GW-100729						DIS OK									Y						
10-18192 **RG52B**	KSC-DP-9-GW-100729						DIS OK									Y						

RG52 : 00001

Checked By BC Date 7/30

LANDAU ASSOCIATES

- [x] Seattle/Edmonds (425) 778-0907
- [ ] Tacoma (253) 926-2493
- [ ] Spokane (509) 327-9737
- [ ] Portland (503) 542-1080
- [ ] _____

RG52

Chain-of-Custody Record

Date 7/29/10

Page 1 of _____

Project Name Striker Project No. 025195.020.022

Project Location/Event Striker Property

Sampler's Name CFB/SED

Project Contact Tim Stverson/Jon Flaherty (Boeing)

Send Results To " / " / Kathryn Hagler

Turnaround Time
- [x] Standard
- [ ] Accelerated
- [ ] _____

Testing Parameters

Sample I.D.	Date	Time	Matrix	No. of Containers	RCRA 8 Metals	Metals w/Cr6	SVOC	VOC by 5035	TPH-Dx	TPHdx by 5035	Metals - f. Hexed	8260B VOC	TPH-Gx	Cr6 - f. Hexed
KSC-DP-7-S-3.5-4-100729	7/29/10	835	soil	7	X	X	X	X	X	X				
KSC-DP-8-S-4.5-5-100729	7/29/10	915	soil	7	X	X	X	X	X	X				
KSC-DP-9-S-5.5-6-100729	7/29/10	1000	soil	7	X	X	X	X	X	X				
KSC-DP-5-GW-100729	7/29/10	1515	water	11			X		X		X	X	X	X
KSC-DP-9-GW-100729	7/29/10	1705	water	11			X		V		X	X	X	X
~~KSC-DP-3-GW-100729 CFB~~														
KSC-DP-3-S-7-8-100729	7/29/10	1455	soil	7	X	X	X	X	X	X				

Observations/Comments

- [x] X Allow water samples to settle, collect aliquot from clear portion
- [x] X NWTPH-Dx - run acid wash/silica gel cleanup
- [ ] ___ run samples standardized to _____ product
- [ ] ___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
- [ ] ___ non-preserved
- [ ] ___ preserved w/methanol
- [ ] ___ preserved w/sodium bisulfate
- [ ] ___ Freeze upon receipt

- [x] Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name Chris Bruce	Printed Name Jennifer Mitsch	Printed Name	Printed Name
Company LANDAU	Company ARI	Company	Company
Date 7/29/10 Time 1825	Date 7/29/10 Time 1925	Date Time	Date Time

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

Sample ID changed from KSC-DP-3-S to KSC-DP-4 EPH 8/31/10

RG52 : 00008

Subject: Re: Striker - RG52 revised COC
From: Kelly Bottem <kellyb@arilabs.com>
Date: Fri, 13 Aug 2010 14:22:21 -0700
To: Kathryn Hartley <khartley@landauinc.com>
CC: Anne Halvorsen <AHalvorsen@landauinc.com>, Tim Syverson <tsyverson@landauinc.com>, Chris Burke <cburke@landauinc.com>, Eric Branson <eric@arilabs.com>

Got it.
K

Kathryn Hartley wrote:

> Kelly,
>
> As indicated on the attached COC, please change sample number KSC-DP-5-GW-100729 to KSC-DP-4-GW-100729.
>
> Please confirm that you received this message.
>
> Thank you,
>
> Kathryn
>
> *Kathryn F. Hartley ** **¨* * Project Scientist
> Landau Associates, Inc.
> *130 2^nd Ave. S, Edmonds, WA 98020
> 425.778.0907 ¨ direct 425.329.0268 ¨ cell 425.248.7520
> khartley@landauinc.com ¨ www.landauinc.com
>
> /Email is a sustainable communications tool -- please consider this before printing./
>
> Notice: This communication may contain privileged or other confidential information. If you have received it in error, please advise the sender by reply email and immediately delete the message and any attachments without copying or disclosing the contents. Thank you.

--

Kelly Frances Bottem, Client Services Manager
Analytical Resources, Inc.
4611 S. 134th Place, Suite 100
Tukwila, WA 98168-3240
Website: http://www.arilabs.com
Direct Phone: 206-695-6211
E-Mail: kellyb@arilabs.com
Fax: 206-695-6201
Cell: 206-228-1385

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-4-GW-100729**
 SAMPLE

Lab Sample ID: RG52A
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/09/10 15:00

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG52A
LIMS ID: 10-18191
Matrix: Water
Date Analyzed: 08/09/10 15:00

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	104%
d8-Toluene	99.5%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-9-GW-100729**
 SAMPLE

Lab Sample ID: RG52B
LIMS ID: 10-18192
Matrix: Water
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/09/10 15:25

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG52B
LIMS ID: 10-18192
Matrix: Water
Date Analyzed: 08/09/10 15:25

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	99.7%
Bromofluorobenzene	98.9%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-7-S-3.5-4-100729**
 SAMPLE

Lab Sample ID: RG52C
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/09/10 14:25

Sample Amount: 5.58 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 11.1%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.9	< 0.9	U
74-83-9	Bromomethane	0.9	< 0.9	U
75-01-4	Vinyl Chloride	0.9	< 0.9	U
75-00-3	Chloroethane	0.9	< 0.9	U
75-09-2	Methylene Chloride	1.8	< 1.8	U
67-64-1	**Acetone**	**4.5**	**24**	
75-15-0	**Carbon Disulfide**	**0.9**	**1.6**	
75-35-4	1,1-Dichloroethene	0.9	< 0.9	U
75-34-3	1,1-Dichloroethane	0.9	< 0.9	U
156-60-5	trans-1,2-Dichloroethene	0.9	< 0.9	U
156-59-2	cis-1,2-Dichloroethene	0.9	< 0.9	U
67-66-3	Chloroform	0.9	< 0.9	U
107-06-2	1,2-Dichloroethane	0.9	< 0.9	U
78-93-3	2-Butanone	4.5	< 4.5	U
71-55-6	1,1,1-Trichloroethane	0.9	< 0.9	U
56-23-5	Carbon Tetrachloride	0.9	< 0.9	U
108-05-4	Vinyl Acetate	4.5	< 4.5	U
75-27-4	Bromodichloromethane	0.9	< 0.9	U
78-87-5	1,2-Dichloropropane	0.9	< 0.9	U
10061-01-5	cis-1,3-Dichloropropene	0.9	< 0.9	U
79-01-6	Trichloroethene	0.9	< 0.9	U
124-48-1	Dibromochloromethane	0.9	< 0.9	U
79-00-5	1,1,2-Trichloroethane	0.9	< 0.9	U
71-43-2	Benzene	0.9	< 0.9	U
10061-02-6	trans-1,3-Dichloropropene	0.9	< 0.9	U
110-75-8	2-Chloroethylvinylether	4.5	< 4.5	U
75-25-2	Bromoform	0.9	< 0.9	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	4.5	< 4.5	U
591-78-6	2-Hexanone	4.5	< 4.5	U
127-18-4	Tetrachloroethene	0.9	< 0.9	U
79-34-5	1,1,2,2-Tetrachloroethane	0.9	< 0.9	U
108-88-3	Toluene	0.9	< 0.9	U
108-90-7	Chlorobenzene	0.9	< 0.9	U
100-41-4	Ethylbenzene	0.9	< 0.9	U
100-42-5	Styrene	0.9	< 0.9	U
75-69-4	Trichlorofluoromethane	0.9	< 0.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.8	< 1.8	U
179601-23-1	m,p-Xylene	0.9	< 0.9	U
95-47-6	o-Xylene	0.9	< 0.9	U
95-50-1	1,2-Dichlorobenzene	0.9	< 0.9	U
541-73-1	1,3-Dichlorobenzene	0.9	< 0.9	U
106-46-7	1,4-Dichlorobenzene	0.9	< 0.9	U
107-02-8	Acrolein	45	< 45	U

Lab Sample ID: RG52C
LIMS ID: 10-18193
Matrix: Soil
Date Analyzed: 08/09/10 14:25

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	0.9	< 0.9	U
74-96-4	Bromoethane	1.8	< 1.8	U
107-13-1	Acrylonitrile	4.5	< 4.5	U
563-58-6	1,1-Dichloropropene	0.9	< 0.9	U
74-95-3	Dibromomethane	0.9	< 0.9	U
630-20-6	1,1,1,2-Tetrachloroethane	0.9	< 0.9	U
96-12-8	1,2-Dibromo-3-chloropropane	4.5	< 4.5	U
96-18-4	1,2,3-Trichloropropane	1.8	< 1.8	U
110-57-6	trans-1,4-Dichloro-2-butene	4.5	< 4.5	U
108-67-8	1,3,5-Trimethylbenzene	0.9	< 0.9	U
95-63-6	1,2,4-Trimethylbenzene	0.9	< 0.9	U
87-68-3	Hexachlorobutadiene	4.5	< 4.5	U
106-93-4	Ethylene Dibromide	0.9	< 0.9	U
74-97-5	Bromochloromethane	0.9	< 0.9	U
594-20-7	2,2-Dichloropropane	0.9	< 0.9	U
142-28-9	1,3-Dichloropropane	0.9	< 0.9	U
98-82-8	Isopropylbenzene	0.9	< 0.9	U
103-65-1	n-Propylbenzene	0.9	< 0.9	U
108-86-1	Bromobenzene	0.9	< 0.9	U
95-49-8	2-Chlorotoluene	0.9	< 0.9	U
106-43-4	4-Chlorotoluene	0.9	< 0.9	U
98-06-6	tert-Butylbenzene	0.9	< 0.9	U
135-98-8	sec-Butylbenzene	0.9	< 0.9	U
99-87-6	4-Isopropyltoluene	0.9	< 0.9	U
104-51-8	n-Butylbenzene	0.9	< 0.9	U
120-82-1	1,2,4-Trichlorobenzene	4.5	< 4.5	U
91-20-3	Naphthalene	4.5	< 4.5	U
87-61-6	1,2,3-Trichlorobenzene	4.5	< 4.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	130%
d8-Toluene	104%
Bromofluorobenzene	97.3%
d4-1,2-Dichlorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-8-S-4.5-5-100729**
Page 1 of 2 **SAMPLE**

Lab Sample ID: RG52D
LIMS ID: 10-18194
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/09/10 14:54

Sample Amount: 4.72 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 11.0%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.1	< 1.1	U
74-83-9	Bromomethane	1.1	< 1.1	U
75-01-4	Vinyl Chloride	1.1	< 1.1	U
75-00-3	Chloroethane	1.1	< 1.1	U
75-09-2	Methylene Chloride	2.1	< 2.1	U
67-64-1	**Acetone**	**5.3**	**9.2**	
75-15-0	Carbon Disulfide	1.1	< 1.1	U
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
75-34-3	1,1-Dichloroethane	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	< 1.1	U
67-66-3	Chloroform	1.1	< 1.1	U
107-06-2	1,2-Dichloroethane	1.1	< 1.1	U
78-93-3	2-Butanone	5.3	< 5.3	U
71-55-6	1,1,1-Trichloroethane	1.1	< 1.1	U
56-23-5	Carbon Tetrachloride	1.1	< 1.1	U
108-05-4	Vinyl Acetate	5.3	< 5.3	U
75-27-4	Bromodichloromethane	1.1	< 1.1	U
78-87-5	1,2-Dichloropropane	1.1	< 1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	< 1.1	U
79-01-6	Trichloroethene	1.1	< 1.1	U
124-48-1	Dibromochloromethane	1.1	< 1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	< 1.1	U
71-43-2	Benzene	1.1	< 1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	< 1.1	U
110-75-8	2-Chloroethylvinylether	5.3	< 5.3	U
75-25-2	Bromoform	1.1	< 1.1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.3	< 5.3	U
591-78-6	2-Hexanone	5.3	< 5.3	U
127-18-4	Tetrachloroethene	1.1	< 1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	< 1.1	U
108-88-3	Toluene	1.1	< 1.1	U
108-90-7	Chlorobenzene	1.1	< 1.1	U
100-41-4	Ethylbenzene	1.1	< 1.1	U
100-42-5	Styrene	1.1	< 1.1	U
75-69-4	Trichlorofluoromethane	1.1	< 1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.1	< 2.1	U
179601-23-1	m,p-Xylene	1.1	< 1.1	U
95-47-6	o-Xylene	1.1	< 1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	< 1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	< 1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	< 1.1	U
107-02-8	Acrolein	53	< 53	U

Lab Sample ID: RG52D
LIMS ID: 10-18194
Matrix: Soil
Date Analyzed: 08/09/10 14:54

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.1	< 1.1	U
74-96-4	Bromoethane	2.1	< 2.1	U
107-13-1	Acrylonitrile	5.3	< 5.3	U
563-58-6	1,1-Dichloropropene	1.1	< 1.1	U
74-95-3	Dibromomethane	1.1	< 1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	< 1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.3	< 5.3	U
96-18-4	1,2,3-Trichloropropane	2.1	< 2.1	U
110-57-6	trans-1,4-Dichloro-2-butene	5.3	< 5.3	U
108-67-8	1,3,5-Trimethylbenzene	1.1	< 1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	< 1.1	U
87-68-3	Hexachlorobutadiene	5.3	< 5.3	U
106-93-4	Ethylene Dibromide	1.1	< 1.1	U
74-97-5	Bromochloromethane	1.1	< 1.1	U
594-20-7	2,2-Dichloropropane	1.1	< 1.1	U
142-28-9	1,3-Dichloropropane	1.1	< 1.1	U
98-82-8	Isopropylbenzene	1.1	< 1.1	U
103-65-1	n-Propylbenzene	1.1	< 1.1	U
108-86-1	Bromobenzene	1.1	< 1.1	U
95-49-8	2-Chlorotoluene	1.1	< 1.1	U
106-43-4	4-Chlorotoluene	1.1	< 1.1	U
98-06-6	tert-Butylbenzene	1.1	< 1.1	U
135-98-8	sec-Butylbenzene	1.1	< 1.1	U
99-87-6	4-Isopropyltoluene	1.1	< 1.1	U
104-51-8	n-Butylbenzene	1.1	< 1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.3	< 5.3	U
91-20-3	Naphthalene	5.3	< 5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	< 5.3	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	138%
d8-Toluene	106%
Bromofluorobenzene	98.9%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-9-S-5.5-6-100729**
 SAMPLE

Lab Sample ID: RG52E
LIMS ID: 10-18195
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/09/10 15:18

Sample Amount: 4.69 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 9.9%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.1	< 1.1	U
74-83-9	Bromomethane	1.1	< 1.1	U
75-01-4	Vinyl Chloride	1.1	< 1.1	U
75-00-3	Chloroethane	1.1	< 1.1	U
75-09-2	Methylene Chloride	2.1	< 2.1	U
67-64-1	**Acetone**	**5.3**	**39**	
75-15-0	**Carbon Disulfide**	**1.1**	**6.1**	
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
75-34-3	1,1-Dichloroethane	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	< 1.1	U
67-66-3	Chloroform	1.1	< 1.1	U
107-06-2	1,2-Dichloroethane	1.1	< 1.1	U
78-93-3	2-Butanone	5.3	< 5.3	U
71-55-6	1,1,1-Trichloroethane	1.1	< 1.1	U
56-23-5	Carbon Tetrachloride	1.1	< 1.1	U
108-05-4	Vinyl Acetate	5.3	< 5.3	U
75-27-4	Bromodichloromethane	1.1	< 1.1	U
78-87-5	1,2-Dichloropropane	1.1	< 1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	< 1.1	U
79-01-6	Trichloroethene	1.1	< 1.1	U
124-48-1	Dibromochloromethane	1.1	< 1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	< 1.1	U
71-43-2	Benzene	1.1	< 1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	< 1.1	U
110-75-8	2-Chloroethylvinylether	5.3	< 5.3	U
75-25-2	Bromoform	1.1	< 1.1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.3	< 5.3	U
591-78-6	2-Hexanone	5.3	< 5.3	U
127-18-4	Tetrachloroethene	1.1	< 1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	< 1.1	U
108-88-3	Toluene	1.1	< 1.1	U
108-90-7	Chlorobenzene	1.1	< 1.1	U
100-41-4	Ethylbenzene	1.1	< 1.1	U
100-42-5	Styrene	1.1	< 1.1	U
75-69-4	Trichlorofluoromethane	1.1	< 1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.1	< 2.1	U
179601-23-1	m,p-Xylene	1.1	< 1.1	U
95-47-6	o-Xylene	1.1	< 1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	< 1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	< 1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	< 1.1	U
107-02-8	Acrolein	53	< 53	U

Lab Sample ID: RG52E
LIMS ID: 10-18195
Matrix: Soil
Date Analyzed: 08/09/10 15:18

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.1	< 1.1	U
74-96-4	Bromoethane	2.1	< 2.1	U
107-13-1	Acrylonitrile	5.3	< 5.3	U
563-58-6	1,1-Dichloropropene	1.1	< 1.1	U
74-95-3	Dibromomethane	1.1	< 1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	< 1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.3	< 5.3	U
96-18-4	1,2,3-Trichloropropane	2.1	< 2.1	U
110-57-6	trans-1,4-Dichloro-2-butene	5.3	< 5.3	U
108-67-8	1,3,5-Trimethylbenzene	1.1	< 1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	< 1.1	U
87-68-3	Hexachlorobutadiene	5.3	< 5.3	U
106-93-4	Ethylene Dibromide	1.1	< 1.1	U
74-97-5	Bromochloromethane	1.1	< 1.1	U
594-20-7	2,2-Dichloropropane	1.1	< 1.1	U
142-28-9	1,3-Dichloropropane	1.1	< 1.1	U
98-82-8	Isopropylbenzene	1.1	< 1.1	U
103-65-1	n-Propylbenzene	1.1	< 1.1	U
108-86-1	Bromobenzene	1.1	< 1.1	U
95-49-8	2-Chlorotoluene	1.1	< 1.1	U
106-43-4	4-Chlorotoluene	1.1	< 1.1	U
98-06-6	tert-Butylbenzene	1.1	< 1.1	U
135-98-8	sec-Butylbenzene	1.1	< 1.1	U
99-87-6	4-Isopropyltoluene	1.1	< 1.1	U
104-51-8	n-Butylbenzene	1.1	< 1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.3	< 5.3	U
91-20-3	Naphthalene	5.3	< 5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	< 5.3	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	131%
d8-Toluene	102%
Bromofluorobenzene	96.4%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-3-S-7-8-100729**
Page 1 of 2 **SAMPLE**

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/09/10 15:45

Sample Amount: 5.16 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 15.5%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	1.9	< 1.9	U
67-64-1	**Acetone**	**4.8**	**41**	
75-15-0	**Carbon Disulfide**	**1.0**	**1.6**	
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	4.8	< 4.8	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	4.8	< 4.8	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	4.8	< 4.8	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	4.8	< 4.8	U
591-78-6	2-Hexanone	4.8	< 4.8	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	**Ethylbenzene**	**1.0**	**5.8**	
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.9	< 1.9	U
179601-23-1	**m,p-Xylene**	**1.0**	**8.9**	
95-47-6	**o-Xylene**	**1.0**	**5.0**	
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	48	< 48	U

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Date Analyzed: 08/09/10 15:45

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	1.9	< 1.9	U
107-13-1	Acrylonitrile	4.8	< 4.8	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	4.8	< 4.8	U
96-18-4	1,2,3-Trichloropropane	1.9	< 1.9	U
110-57-6	trans-1,4-Dichloro-2-butene	4.8	< 4.8	U
108-67-8	**1,3,5-Trimethylbenzene**	**1.0**	**65**	
95-63-6	**1,2,4-Trimethylbenzene**	**1.0**	**160**	**S**
87-68-3	Hexachlorobutadiene	4.8	< 4.8	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	**Isopropylbenzene**	**1.0**	**9.0**	
103-65-1	**n-Propylbenzene**	**1.0**	**23**	
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	**sec-Butylbenzene**	**1.0**	**24**	
99-87-6	**4-Isopropyltoluene**	**1.0**	**30**	
104-51-8	**n-Butylbenzene**	**1.0**	**130**	**M**
120-82-1	1,2,4-Trichlorobenzene	4.8	< 4.8	U
91-20-3	**Naphthalene**	**4.8**	**250**	**ES**
87-61-6	1,2,3-Trichlorobenzene	4.8	< 4.8	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	132%
d8-Toluene	105%
Bromofluorobenzene	126%
d4-1,2-Dichlorobenzene	125%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-3-S-7-8-100729**
Page 1 of 2 **REANALYSIS**

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 14:02

Sample Amount: 81.7 mg-dry-wt
Purge Volume: 5.0 mL
Moisture: 15.5%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	61	< 61	U
74-83-9	Bromomethane	61	< 61	U
75-01-4	Vinyl Chloride	61	< 61	U
75-00-3	Chloroethane	61	< 61	U
75-09-2	Methylene Chloride	120	< 120	U
67-64-1	Acetone	310	< 310	U
75-15-0	Carbon Disulfide	61	< 61	U
75-35-4	1,1-Dichloroethene	61	< 61	U
75-34-3	1,1-Dichloroethane	61	< 61	U
156-60-5	trans-1,2-Dichloroethene	61	< 61	U
156-59-2	cis-1,2-Dichloroethene	61	< 61	U
67-66-3	Chloroform	61	< 61	U
107-06-2	1,2-Dichloroethane	61	< 61	U
78-93-3	2-Butanone	310	< 310	U
71-55-6	1,1,1-Trichloroethane	61	< 61	U
56-23-5	Carbon Tetrachloride	61	< 61	U
108-05-4	Vinyl Acetate	310	< 310	U
75-27-4	Bromodichloromethane	61	< 61	U
78-87-5	1,2-Dichloropropane	61	< 61	U
10061-01-5	cis-1,3-Dichloropropene	61	< 61	U
79-01-6	Trichloroethene	61	< 61	U
124-48-1	Dibromochloromethane	61	< 61	U
79-00-5	1,1,2-Trichloroethane	61	< 61	U
71-43-2	Benzene	61	< 61	U
10061-02-6	trans-1,3-Dichloropropene	61	< 61	U
110-75-8	2-Chloroethylvinylether	310	< 310	U
75-25-2	Bromoform	61	< 61	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	310	< 310	U
591-78-6	2-Hexanone	310	< 310	U
127-18-4	Tetrachloroethene	61	< 61	U
79-34-5	1,1,2,2-Tetrachloroethane	61	< 61	U
108-88-3	Toluene	61	< 61	U
108-90-7	Chlorobenzene	61	< 61	U
100-41-4	Ethylbenzene	61	< 61	U
100-42-5	Styrene	61	< 61	U
75-69-4	Trichlorofluoromethane	61	< 61	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	120	< 120	U
179601-23-1	m,p-Xylene	61	< 61	U
95-47-6	o-Xylene	61	< 61	U
95-50-1	1,2-Dichlorobenzene	61	< 61	U
541-73-1	1,3-Dichlorobenzene	61	< 61	U
106-46-7	1,4-Dichlorobenzene	61	< 61	U
107-02-8	Acrolein	3,100	< 3,100	U

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Date Analyzed: 08/10/10 14:02

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	61	< 61	U
74-96-4	Bromoethane	120	< 120	U
107-13-1	Acrylonitrile	310	< 310	U
563-58-6	1,1-Dichloropropene	61	< 61	U
74-95-3	Dibromomethane	61	< 61	U
630-20-6	1,1,1,2-Tetrachloroethane	61	< 61	U
96-12-8	1,2-Dibromo-3-chloropropane	310	< 310	U
96-18-4	1,2,3-Trichloropropane	120	< 120	U
110-57-6	trans-1,4-Dichloro-2-butene	310	< 310	U
108-67-8	**1,3,5-Trimethylbenzene**	**61**	**580**	
95-63-6	**1,2,4-Trimethylbenzene**	**61**	**2,200**	
87-68-3	Hexachlorobutadiene	310	< 310	U
106-93-4	Ethylene Dibromide	61	< 61	U
74-97-5	Bromochloromethane	61	< 61	U
594-20-7	2,2-Dichloropropane	61	< 61	U
142-28-9	1,3-Dichloropropane	61	< 61	U
98-82-8	**Isopropylbenzene**	**61**	**80**	
103-65-1	**n-Propylbenzene**	**61**	**240**	
108-86-1	Bromobenzene	61	< 61	U
95-49-8	2-Chlorotoluene	61	< 61	U
106-43-4	4-Chlorotoluene	61	< 61	U
98-06-6	tert-Butylbenzene	61	< 61	U
135-98-8	**sec-Butylbenzene**	**61**	**330**	
99-87-6	**4-Isopropyltoluene**	**61**	**400**	
104-51-8	**n-Butylbenzene**	**61**	**2,200**	**M**
120-82-1	1,2,4-Trichlorobenzene	310	< 310	U
91-20-3	**Naphthalene**	**310**	**1,200**	
87-61-6	1,2,3-Trichlorobenzene	310	< 310	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	104%
Bromofluorobenzene	109%
d4-1,2-Dichlorobenzene	109%

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-080910	Method Blank	10	105%	98.3%	101%	103%	0
LCS-080910	Lab Control	10	106%	99.5%	105%	102%	0
LCSD-080910	Lab Control Dup	10	106%	101%	107%	99.9%	0
RG52A	KSC-DP-4-GW-100729	10	104%	99.5%	101%	102%	0
RG52B	KSC-DP-9-GW-100729	10	107%	99.7%	98.9%	103%	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	70-132	80-143
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-18191 to 10-18192

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

ARI ID	Client ID	Level	DCE	TOL	BFB	DCB	TOT OUT
MB-080910	Method Blank	Low	118%	104%	96.7%	101%	0
LCS-080910	Lab Control	Low	92.0%	103%	101%	98.2%	0
LCSD-080910	Lab Control Dup	Low	110%	105%	101%	99.7%	0
RG52C	KSC-DP-7-S-3.5-4-100729	Low	130%	104%	97.3%	101%	0
RG52D	KSC-DP-8-S-4.5-5-100729	Low	138%	106%	98.9%	103%	0
RG52E	KSC-DP-9-S-5.5-6-100729	Low	131%	102%	96.4%	105%	0
MB-081010	Method Blank	Med	105%	102%	93.1%	100%	0
LCS-081010	Lab Control	Med	107%	102%	98.5%	101%	0
LCSD-081010	Lab Control Dup	Med	107%	102%	99.2%	102%	0
RG52F	KSC-DP-3-S-7-8-100729	Low	132%	105%	126%*	125%*	2
RG52FRE	KSC-DP-3-S-7-8-100729	Med	107%	104%	109%	109%	0

SW8260C	LCS/MB LIMITS Low	LCS/MB LIMITS Med	QC LIMITS Low	QC LIMITS Med
(DCE) = d4-1,2-Dichloroethane	79-121	76-120	75-152	69-120
(TOL) = d8-Toluene	80-120	80-120	82-115	80-120
(BFB) = Bromofluorobenzene	80-120	80-120	64-120	76-128
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120	80-120	80-120

Log Number Range: 10-18193 to 10-18196

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-080910**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-080910
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT10/PKC
LCSD: NT10/PKC
Date Analyzed LCS: 08/09/10 10:38
LCSD: 08/09/10 11:03

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	10.5	10.0	105%	10.5	10.0	105%	0.0%
Bromomethane	11.6	10.0	116%	11.3	10.0	113%	2.6%
Vinyl Chloride	10.7	10.0	107%	10.7	10.0	107%	0.0%
Chloroethane	11.6	10.0	116%	11.2	10.0	112%	3.5%
Methylene Chloride	10.6	10.0	106%	10.2	10.0	102%	3.8%
Acetone	52.0	50.0	104%	49.0	50.0	98.0%	5.9%
Carbon Disulfide	11.5	10.0	115%	10.9	10.0	109%	5.4%
1,1-Dichloroethene	11.1	10.0	111%	10.5	10.0	105%	5.6%
1,1-Dichloroethane	10.9	10.0	109%	10.5	10.0	105%	3.7%
trans-1,2-Dichloroethene	10.6	10.0	106%	10.2	10.0	102%	3.8%
cis-1,2-Dichloroethene	10.6	10.0	106%	10.2	10.0	102%	3.8%
Chloroform	10.8	10.0	108%	10.3	10.0	103%	4.7%
1,2-Dichloroethane	10.8	10.0	108%	10.2	10.0	102%	5.7%
2-Butanone	51.6	50.0	103%	48.6	50.0	97.2%	6.0%
1,1,1-Trichloroethane	10.8	10.0	108%	10.5	10.0	105%	2.8%
Carbon Tetrachloride	11.3	10.0	113%	10.7	10.0	107%	5.5%
Vinyl Acetate	10.8	10.0	108%	10.0	10.0	100%	7.7%
Bromodichloromethane	10.8	10.0	108%	10.3	10.0	103%	4.7%
1,2-Dichloropropane	10.7	10.0	107%	10.2	10.0	102%	4.8%
cis-1,3-Dichloropropene	10.7	10.0	107%	10.1	10.0	101%	5.8%
Trichloroethene	10.2	10.0	102%	9.9	10.0	99.0%	3.0%
Dibromochloromethane	10.5	10.0	105%	9.9	10.0	99.0%	5.9%
1,1,2-Trichloroethane	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
Benzene	10.9	10.0	109%	10.3	10.0	103%	5.7%
trans-1,3-Dichloropropene	10.7	10.0	107%	10.2	10.0	102%	4.8%
2-Chloroethylvinylether	10.7	10.0	107%	10.0	10.0	100%	6.8%
Bromoform	10.8	10.0	108%	9.9	10.0	99.0%	8.7%
4-Methyl-2-Pentanone (MIBK)	55.4	50.0	111%	50.9	50.0	102%	8.5%
2-Hexanone	54.4	50.0	109%	51.2	50.0	102%	6.1%
Tetrachloroethene	10.6	10.0	106%	10.0	10.0	100%	5.8%
1,1,2,2-Tetrachloroethane	10.6	10.0	106%	9.8	10.0	98.0%	7.8%
Toluene	10.6	10.0	106%	10.1	10.0	101%	4.8%
Chlorobenzene	10.7	10.0	107%	10.1	10.0	101%	5.8%
Ethylbenzene	10.9	10.0	109%	10.1	10.0	101%	7.6%
Styrene	11.4	10.0	114%	11.4	10.0	114%	0.0%
Trichlorofluoromethane	12.7 Q	10.0	127%	12.6 Q	10.0	126%	0.8%
1,1,2-Trichloro-1,2,2-trifluoroetha	11.4	10.0	114%	11.0	10.0	110%	3.6%
m,p-Xylene	23.1	20.0	116%	21.8	20.0	109%	5.8%
o-Xylene	11.1	10.0	111%	10.6	10.0	106%	4.6%
1,2-Dichlorobenzene	10.6	10.0	106%	9.9	10.0	99.0%	6.8%
1,3-Dichlorobenzene	10.7	10.0	107%	9.9	10.0	99.0%	7.8%
1,4-Dichlorobenzene	10.6	10.0	106%	9.9	10.0	99.0%	6.8%
Acrolein	54.1	50.0	108%	51.3	50.0	103%	5.3%
Methyl Iodide	11.4	10.0	114%	10.9	10.0	109%	4.5%
Bromoethane	11.1	10.0	111%	10.8	10.0	108%	2.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-080910**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-080910 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18191 Project: Striker
Matrix: Water 025195.020.022

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrylonitrile	10.6	10.0	106%	10.0	10.0	100%	5.8%
1,1-Dichloropropene	10.7	10.0	107%	10.3	10.0	103%	3.8%
Dibromomethane	10.5	10.0	105%	10.0	10.0	100%	4.9%
1,1,1,2-Tetrachloroethane	11.2	10.0	112%	10.7	10.0	107%	4.6%
1,2-Dibromo-3-chloropropane	10.7	10.0	107%	9.9	10.0	99.0%	7.8%
1,2,3-Trichloropropane	10.4	10.0	104%	9.8	10.0	98.0%	5.9%
trans-1,4-Dichloro-2-butene	13.1 Q	10.0	131%	11.7 Q	10.0	117%	11.3%
1,3,5-Trimethylbenzene	11.4	10.0	114%	10.7	10.0	107%	6.3%
1,2,4-Trimethylbenzene	11.0	10.0	110%	10.4	10.0	104%	5.6%
Hexachlorobutadiene	10.7	10.0	107%	10.0	10.0	100%	6.8%
Ethylene Dibromide	10.0	10.0	100%	9.6	10.0	96.0%	4.1%
Bromochloromethane	10.6	10.0	106%	10.0	10.0	100%	5.8%
2,2-Dichloropropane	10.8	10.0	108%	10.5	10.0	105%	2.8%
1,3-Dichloropropane	10.5	10.0	105%	9.9	10.0	99.0%	5.9%
Isopropylbenzene	11.4	10.0	114%	10.6	10.0	106%	7.3%
n-Propylbenzene	11.1	10.0	111%	10.3	10.0	103%	7.5%
Bromobenzene	10.0	10.0	100%	9.4	10.0	94.0%	6.2%
2-Chlorotoluene	10.9	10.0	109%	10.1	10.0	101%	7.6%
4-Chlorotoluene	11.0	10.0	110%	10.2	10.0	102%	7.5%
tert-Butylbenzene	11.0	10.0	110%	10.3	10.0	103%	6.6%
sec-Butylbenzene	11.3	10.0	113%	10.6	10.0	106%	6.4%
4-Isopropyltoluene	11.2	10.0	112%	10.5	10.0	105%	6.5%
n-Butylbenzene	11.3	10.0	113%	10.6	10.0	106%	6.4%
1,2,4-Trichlorobenzene	10.5	10.0	105%	9.8	10.0	98.0%	6.9%
Naphthalene	10.8	10.0	108%	10.0	10.0	100%	7.7%
1,2,3-Trichlorobenzene	10.9	10.0	109%	10.0	10.0	100%	8.6%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	106%	106%
d8-Toluene	99.5%	101%
Bromofluorobenzene	105%	107%
d4-1,2-Dichlorobenzene	102%	99.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-080910**
 METHOD BLANK

Lab Sample ID: MB-080910
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/09/10 11:28

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: MB-080910 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18191 Project: Striker
Matrix: Water 025195.020.022
Date Analyzed: 08/09/10 11:28

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	98.3%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-080910**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-080910
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN5/PAB
LCSD: FINN5/PAB
Date Analyzed LCS: 08/09/10 11:22
LCSD: 08/09/10 11:49

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	41.0 Q	50.0	82.0%	41.6 Q	50.0	83.2%	1.5%
Bromomethane	64.4	50.0	129%	63.3	50.0	127%	1.7%
Vinyl Chloride	46.1	50.0	92.2%	45.5	50.0	91.0%	1.3%
Chloroethane	48.6	50.0	97.2%	47.9	50.0	95.8%	1.5%
Methylene Chloride	41.3 Q	50.0	82.6%	42.6 Q	50.0	85.2%	3.1%
Acetone	249	250	99.6%	254	250	102%	2.0%
Carbon Disulfide	51.6	50.0	103%	51.4	50.0	103%	0.4%
1,1-Dichloroethene	47.5	50.0	95.0%	48.1	50.0	96.2%	1.3%
1,1-Dichloroethane	49.6	50.0	99.2%	50.0	50.0	100%	0.8%
trans-1,2-Dichloroethene	46.9	50.0	93.8%	48.1	50.0	96.2%	2.5%
cis-1,2-Dichloroethene	48.1	50.0	96.2%	49.3	50.0	98.6%	2.5%
Chloroform	48.2	50.0	96.4%	48.8	50.0	97.6%	1.2%
1,2-Dichloroethane	50.6	50.0	101%	50.2	50.0	100%	0.8%
2-Butanone	270	250	108%	271	250	108%	0.4%
1,1,1-Trichloroethane	46.5	50.0	93.0%	46.6	50.0	93.2%	0.2%
Carbon Tetrachloride	46.4	50.0	92.8%	45.1	50.0	90.2%	2.8%
Vinyl Acetate	56.3	50.0	113%	56.7	50.0	113%	0.7%
Bromodichloromethane	49.2	50.0	98.4%	49.5	50.0	99.0%	0.6%
1,2-Dichloropropane	47.9	50.0	95.8%	47.6	50.0	95.2%	0.6%
cis-1,3-Dichloropropene	52.9	50.0	106%	52.8	50.0	106%	0.2%
Trichloroethene	47.4	50.0	94.8%	46.8	50.0	93.6%	1.3%
Dibromochloromethane	48.8	50.0	97.6%	46.6	50.0	93.2%	4.6%
1,1,2-Trichloroethane	49.6	50.0	99.2%	50.0	50.0	100%	0.8%
Benzene	50.1	50.0	100%	48.6	50.0	97.2%	3.0%
trans-1,3-Dichloropropene	51.9	50.0	104%	51.7	50.0	103%	0.4%
2-Chloroethylvinylether	55.8	50.0	112%	53.8	50.0	108%	3.6%
Bromoform	49.5	50.0	99.0%	44.4	50.0	88.8%	10.9%
4-Methyl-2-Pentanone (MIBK)	258	250	103%	249	250	99.6%	3.6%
2-Hexanone	248	250	99.2%	231	250	92.4%	7.1%
Tetrachloroethene	46.2	50.0	92.4%	43.3	50.0	86.6%	6.5%
1,1,2,2-Tetrachloroethane	48.0	50.0	96.0%	44.8	50.0	89.6%	6.9%
Toluene	47.1	50.0	94.2%	46.6	50.0	93.2%	1.1%
Chlorobenzene	48.1	50.0	96.2%	46.3	50.0	92.6%	3.8%
Ethylbenzene	52.4	50.0	105%	49.8	50.0	99.6%	5.1%
Styrene	54.6	50.0	109%	52.4	50.0	105%	4.1%
Trichlorofluoromethane	49.4	50.0	98.8%	50.0	50.0	100%	1.2%
1,1,2-Trichloro-1,2,2-trifluoroetha	47.0	50.0	94.0%	47.6	50.0	95.2%	1.3%
m,p-Xylene	110	100	110%	104	100	104%	5.6%
o-Xylene	51.3	50.0	103%	49.2	50.0	98.4%	4.2%
1,2-Dichlorobenzene	51.1	50.0	102%	50.2	50.0	100%	1.8%
1,3-Dichlorobenzene	53.6	50.0	107%	52.3	50.0	105%	2.5%
1,4-Dichlorobenzene	52.8	50.0	106%	51.0	50.0	102%	3.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-080910**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-080910 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18193 Project: Striker
Matrix: Soil 025195.020.022

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrolein	243	250	97.2%	241	250	96.4%	0.8%
Methyl Iodide	56.5	50.0	113%	56.7	50.0	113%	0.4%
Bromoethane	48.7	50.0	97.4%	48.5	50.0	97.0%	0.4%
Acrylonitrile	54.2	50.0	108%	54.0	50.0	108%	0.4%
1,1-Dichloropropene	49.8	50.0	99.6%	47.7	50.0	95.4%	4.3%
Dibromomethane	50.2	50.0	100%	49.1	50.0	98.2%	2.2%
1,1,1,2-Tetrachloroethane	43.5 Q	50.0	87.0%	42.2 Q	50.0	84.4%	3.0%
1,2-Dibromo-3-chloropropane	50.8	50.0	102%	47.3	50.0	94.6%	7.1%
1,2,3-Trichloropropane	50.8	50.0	102%	46.2	50.0	92.4%	9.5%
trans-1,4-Dichloro-2-butene	57.0	50.0	114%	52.2	50.0	104%	8.8%
1,3,5-Trimethylbenzene	57.5	50.0	115%	54.6	50.0	109%	5.2%
1,2,4-Trimethylbenzene	57.7	50.0	115%	55.0	50.0	110%	4.8%
Hexachlorobutadiene	50.2	50.0	100%	48.8	50.0	97.6%	2.8%
Ethylene Dibromide	50.1	50.0	100%	49.7	50.0	99.4%	0.8%
Bromochloromethane	48.3	50.0	96.6%	50.4	50.0	101%	4.3%
2,2-Dichloropropane	48.6	50.0	97.2%	48.3	50.0	96.6%	0.6%
1,3-Dichloropropane	51.1	50.0	102%	48.4	50.0	96.8%	5.4%
Isopropylbenzene	56.2	50.0	112%	51.9	50.0	104%	8.0%
n-Propylbenzene	54.0	50.0	108%	50.6	50.0	101%	6.5%
Bromobenzene	48.8	50.0	97.6%	46.8	50.0	93.6%	4.2%
2-Chlorotoluene	55.1	50.0	110%	49.0	50.0	98.0%	11.7%
4-Chlorotoluene	53.6	50.0	107%	53.2	50.0	106%	0.7%
tert-Butylbenzene	58.0	50.0	116%	54.9	50.0	110%	5.5%
sec-Butylbenzene	55.0	50.0	110%	51.7	50.0	103%	6.2%
4-Isopropyltoluene	60.0	50.0	120%	57.1	50.0	114%	5.0%
n-Butylbenzene	59.7	50.0	119%	57.9	50.0	116%	3.1%
1,2,4-Trichlorobenzene	51.4	50.0	103%	53.0	50.0	106%	3.1%
Naphthalene	49.6	50.0	99.2%	50.8	50.0	102%	2.4%
1,2,3-Trichlorobenzene	46.6	50.0	93.2%	50.1	50.0	100%	7.2%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	92.0%	110%
d8-Toluene	103%	105%
Bromofluorobenzene	101%	101%
d4-1,2-Dichlorobenzene	98.2%	99.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-080910**
 METHOD BLANK

Lab Sample ID: MB-080910
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/09/10 12:16

Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.0	< 2.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.0	< 2.0	U
179601-23-1	m,p-Xylene	1.0	< 1.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	50	< 50	U

Lab Sample ID: MB-080910 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18193 Project: Striker
Matrix: Soil 025195.020.022
Date Analyzed: 08/09/10 12:16

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	2.0	< 2.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	< 5.0	U
96-18-4	1,2,3-Trichloropropane	2.0	< 2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	118%
d8-Toluene	104%
Bromofluorobenzene	96.7%
d4-1,2-Dichlorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081010**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-081010
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN5/PAB
LCSD: FINN5/PAB
Date Analyzed LCS: 08/10/10 11:12
LCSD: 08/10/10 11:37

Sample Amount LCS: 100 mg-dry-wt
LCSD: 100 mg-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	2120	2500	84.8%	1930	2500	77.2%	9.4%
Bromomethane	3220 Q	2500	129%	2850 Q	2500	114%	12.2%
Vinyl Chloride	2390	2500	95.6%	2090	2500	83.6%	13.4%
Chloroethane	2460	2500	98.4%	2170	2500	86.8%	12.5%
Methylene Chloride	2220	2500	88.8%	2080	2500	83.2%	6.5%
Acetone	13400	12500	107%	13700	12500	110%	2.2%
Carbon Disulfide	2710	2500	108%	2460	2500	98.4%	9.7%
1,1-Dichloroethene	2530	2500	101%	2290	2500	91.6%	10.0%
1,1-Dichloroethane	2600	2500	104%	2410	2500	96.4%	7.6%
trans-1,2-Dichloroethene	2560	2500	102%	2300	2500	92.0%	10.7%
cis-1,2-Dichloroethene	2620	2500	105%	2390	2500	95.6%	9.2%
Chloroform	2480	2500	99.2%	2310	2500	92.4%	7.1%
1,2-Dichloroethane	2470	2500	98.8%	2410	2500	96.4%	2.5%
2-Butanone	14300	12500	114%	14400	12500	115%	0.7%
1,1,1-Trichloroethane	2300	2500	92.0%	2100	2500	84.0%	9.1%
Carbon Tetrachloride	2270	2500	90.8%	2060	2500	82.4%	9.7%
Vinyl Acetate	2850	2500	114%	2820	2500	113%	1.1%
Bromodichloromethane	2420	2500	96.8%	2270	2500	90.8%	6.4%
1,2-Dichloropropane	2350	2500	94.0%	2270	2500	90.8%	3.5%
cis-1,3-Dichloropropene	2550	2500	102%	2430	2500	97.2%	4.8%
Trichloroethene	2420	2500	96.8%	2180	2500	87.2%	10.4%
Dibromochloromethane	2290	2500	91.6%	2310	2500	92.4%	0.9%
1,1,2-Trichloroethane	2520	2500	101%	2480	2500	99.2%	1.6%
Benzene	2500	2500	100%	2360	2500	94.4%	5.8%
trans-1,3-Dichloropropene	2490	2500	99.6%	2390	2500	95.6%	4.1%
2-Chloroethylvinylether	2810	2500	112%	2780	2500	111%	1.1%
Bromoform	2300	2500	92.0%	2400	2500	96.0%	4.3%
4-Methyl-2-Pentanone (MIBK)	13000	12500	104%	12900	12500	103%	0.8%
2-Hexanone	11900	12500	95.2%	12400	12500	99.2%	4.1%
Tetrachloroethene	2170	2500	86.8%	2060	2500	82.4%	5.2%
1,1,2,2-Tetrachloroethane	2370	2500	94.8%	2450	2500	98.0%	3.3%
Toluene	2370	2500	94.8%	2170	2500	86.8%	8.8%
Chlorobenzene	2320	2500	92.8%	2220	2500	88.8%	4.4%
Ethylbenzene	2490	2500	99.6%	2360	2500	94.4%	5.4%
Styrene	2660	2500	106%	2540	2500	102%	4.6%
Trichlorofluoromethane	2520	2500	101%	2270	2500	90.8%	10.4%
1,1,2-Trichloro-1,2,2-trifluoroetha	2470	2500	98.8%	2190	2500	87.6%	12.0%
m,p-Xylene	5250	5000	105%	5000	5000	100%	4.9%
o-Xylene	2490	2500	99.6%	2360	2500	94.4%	5.4%
1,2-Dichlorobenzene	2540	2500	102%	2460	2500	98.4%	3.2%
1,3-Dichlorobenzene	2690	2500	108%	2580	2500	103%	4.2%
1,4-Dichlorobenzene	2650	2500	106%	2550	2500	102%	3.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081010**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-081010 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18196 Project: Striker
Matrix: Soil 025195.020.022

Analyte	LCS		Spike Added-LCS	LCS Recovery	LCSD		Spike Added-LCSD	LCSD Recovery	RPD
Acrolein	12900		12500	103%	12800		12500	102%	0.8%
Methyl Iodide	2800	Q	2500	112%	2670	Q	2500	107%	4.8%
Bromoethane	2510		2500	100%	2350		2500	94.0%	6.6%
Acrylonitrile	2930		2500	117%	2970		2500	119%	1.4%
1,1-Dichloropropene	2480		2500	99.2%	2220		2500	88.8%	11.1%
Dibromomethane	2490		2500	99.6%	2400		2500	96.0%	3.7%
1,1,1,2-Tetrachloroethane	2040		2500	81.6%	1980		2500	79.2%	3.0%
1,2-Dibromo-3-chloropropane	2380		2500	95.2%	2370		2500	94.8%	0.4%
1,2,3-Trichloropropane	2430		2500	97.2%	2500		2500	100%	2.8%
trans-1,4-Dichloro-2-butene	2810		2500	112%	2880		2500	115%	2.5%
1,3,5-Trimethylbenzene	2780		2500	111%	2640		2500	106%	5.2%
1,2,4-Trimethylbenzene	2810		2500	112%	2670		2500	107%	5.1%
Hexachlorobutadiene	2570		2500	103%	2200		2500	88.0%	15.5%
Ethylene Dibromide	2490		2500	99.6%	2380		2500	95.2%	4.5%
Bromochloromethane	2570		2500	103%	2420		2500	96.8%	6.0%
2,2-Dichloropropane	2290		2500	91.6%	2060		2500	82.4%	10.6%
1,3-Dichloropropane	2440		2500	97.6%	2460		2500	98.4%	0.8%
Isopropylbenzene	2650		2500	106%	2560		2500	102%	3.5%
n-Propylbenzene	2570		2500	103%	2470		2500	98.8%	4.0%
Bromobenzene	2370		2500	94.8%	2340		2500	93.6%	1.3%
2-Chlorotoluene	2450		2500	98.0%	2460		2500	98.4%	0.4%
4-Chlorotoluene	2810	Q	2500	112%	2580	Q	2500	103%	8.5%
tert-Butylbenzene	2760		2500	110%	2660		2500	106%	3.7%
sec-Butylbenzene	2660		2500	106%	2500		2500	100%	6.2%
4-Isopropyltoluene	2930	Q	2500	117%	2720	Q	2500	109%	7.4%
n-Butylbenzene	3030	Q	2500	121%	2720	Q	2500	109%	10.8%
1,2,4-Trichlorobenzene	2680		2500	107%	2440		2500	97.6%	9.4%
Naphthalene	2570		2500	103%	2490		2500	99.6%	3.2%
1,2,3-Trichlorobenzene	2490		2500	99.6%	2310		2500	92.4%	7.5%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	107%	107%
d8-Toluene	102%	102%
Bromofluorobenzene	98.5%	99.2%
d4-1,2-Dichlorobenzene	101%	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081010**
 METHOD BLANK

Lab Sample ID: MB-081010
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 12:06

Sample Amount: 100 mg-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	50	< 50	U
74-83-9	Bromomethane	50	< 50	U
75-01-4	Vinyl Chloride	50	< 50	U
75-00-3	Chloroethane	50	< 50	U
75-09-2	Methylene Chloride	100	< 100	U
67-64-1	Acetone	250	< 250	U
75-15-0	Carbon Disulfide	50	< 50	U
75-35-4	1,1-Dichloroethene	50	< 50	U
75-34-3	1,1-Dichloroethane	50	< 50	U
156-60-5	trans-1,2-Dichloroethene	50	< 50	U
156-59-2	cis-1,2-Dichloroethene	50	< 50	U
67-66-3	Chloroform	50	< 50	U
107-06-2	1,2-Dichloroethane	50	< 50	U
78-93-3	2-Butanone	250	< 250	U
71-55-6	1,1,1-Trichloroethane	50	< 50	U
56-23-5	Carbon Tetrachloride	50	< 50	U
108-05-4	Vinyl Acetate	250	< 250	U
75-27-4	Bromodichloromethane	50	< 50	U
78-87-5	1,2-Dichloropropane	50	< 50	U
10061-01-5	cis-1,3-Dichloropropene	50	< 50	U
79-01-6	Trichloroethene	50	< 50	U
124-48-1	Dibromochloromethane	50	< 50	U
79-00-5	1,1,2-Trichloroethane	50	< 50	U
71-43-2	Benzene	50	< 50	U
10061-02-6	trans-1,3-Dichloropropene	50	< 50	U
110-75-8	2-Chloroethylvinylether	250	< 250	U
75-25-2	Bromoform	50	< 50	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	250	< 250	U
591-78-6	2-Hexanone	250	< 250	U
127-18-4	Tetrachloroethene	50	< 50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	< 50	U
108-88-3	Toluene	50	< 50	U
108-90-7	Chlorobenzene	50	< 50	U
100-41-4	Ethylbenzene	50	< 50	U
100-42-5	Styrene	50	< 50	U
75-69-4	Trichlorofluoromethane	50	< 50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	100	< 100	U
179601-23-1	m,p-Xylene	50	< 50	U
95-47-6	o-Xylene	50	< 50	U
95-50-1	1,2-Dichlorobenzene	50	< 50	U
541-73-1	1,3-Dichlorobenzene	50	< 50	U
106-46-7	1,4-Dichlorobenzene	50	< 50	U
107-02-8	Acrolein	2,500	< 2,500	U

Lab Sample ID: MB-081010 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18196 Project: Striker
Matrix: Soil 025195.020.022
Date Analyzed: 08/10/10 12:06

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	50	< 50	U
74-96-4	Bromoethane	100	< 100	U
107-13-1	Acrylonitrile	250	< 250	U
563-58-6	1,1-Dichloropropene	50	< 50	U
74-95-3	Dibromomethane	50	< 50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	< 50	U
96-12-8	1,2-Dibromo-3-chloropropane	250	< 250	U
96-18-4	1,2,3-Trichloropropane	100	< 100	U
110-57-6	trans-1,4-Dichloro-2-butene	250	< 250	U
108-67-8	1,3,5-Trimethylbenzene	50	< 50	U
95-63-6	1,2,4-Trimethylbenzene	50	< 50	U
87-68-3	Hexachlorobutadiene	250	< 250	U
106-93-4	Ethylene Dibromide	50	< 50	U
74-97-5	Bromochloromethane	50	< 50	U
594-20-7	2,2-Dichloropropane	50	< 50	U
142-28-9	1,3-Dichloropropane	50	< 50	U
98-82-8	Isopropylbenzene	50	< 50	U
103-65-1	n-Propylbenzene	50	< 50	U
108-86-1	Bromobenzene	50	< 50	U
95-49-8	2-Chlorotoluene	50	< 50	U
106-43-4	4-Chlorotoluene	50	< 50	U
98-06-6	tert-Butylbenzene	50	< 50	U
135-98-8	sec-Butylbenzene	50	< 50	U
99-87-6	4-Isopropyltoluene	50	< 50	U
104-51-8	n-Butylbenzene	50	< 50	U
120-82-1	1,2,4-Trichlorobenzene	250	< 250	U
91-20-3	Naphthalene	250	< 250	U
87-61-6	1,2,3-Trichlorobenzene	250	< 250	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	102%
Bromofluorobenzene	93.1%
d4-1,2-Dichlorobenzene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-4-GW-100729
SAMPLE

Lab Sample ID: RG52A
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/13/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/02/10
Date Analyzed: 08/05/10 01:27
Instrument/Analyst: NT4/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U

Lab Sample ID: RG52A QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18191 Project: Striker
Matrix: Water 025195.020.022
Date Analyzed: 08/05/10 01:27

CAS Number	Analyte	RL	Result
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**1.0**	**1.1**
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	80.0%	2-Fluorobiphenyl	80.8%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	70.8%
d5-Phenol	92.5%	2-Fluorophenol	81.3%
2,4,6-Tribromophenol	88.5%	d4-2-Chlorophenol	84.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-9-GW-100729
SAMPLE

Lab Sample ID: RG52B
LIMS ID: 10-18192
Matrix: Water
Data Release Authorized:
Reported: 08/05/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/02/10
Date Analyzed: 08/05/10 02:01
Instrument/Analyst: NT4/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: RG52B
LIMS ID: 10-18192
Matrix: Water
Date Analyzed: 08/05/10 02:01

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.8%	2-Fluorobiphenyl	79.6%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	67.2%
d5-Phenol	84.0%	2-Fluorophenol	72.3%
2,4,6-Tribromophenol	90.9%	d4-2-Chlorophenol	78.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-7-S-3.5-4-100729
SAMPLE

Lab Sample ID: RG52C
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/06/10
Date Analyzed: 08/12/10 00:11
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 8.06 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 11.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
106-46-7	1,4-Dichlorobenzene	62	< 62 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	62	< 62 U
95-48-7	2-Methylphenol	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
621-64-7	N-Nitroso-Di-N-Propylamine	310	< 310 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	62	< 62 U
105-67-9	2,4-Dimethylphenol	62	< 62 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	62	< 62 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	62	< 62 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U

Lab Sample ID: RG52C
LIMS ID: 10-18193
Matrix: Soil
Date Analyzed: 08/12/10 00:11

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	62	< 62 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
118-74-1	Hexachlorobenzene	62	< 62 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	62	< 62 U
86-74-8	Carbazole	62	< 62 U
120-12-7	Anthracene	62	< 62 U
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	< 62 U
129-00-0	Pyrene	62	< 62 U
85-68-7	Butylbenzylphthalate	62	< 62 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	< 62 U
117-81-7	bis(2-Ethylhexyl)phthalate	62	< 62 U
218-01-9	Chrysene	62	< 62 U
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo(b)fluoranthene	62	< 62 U
207-08-9	Benzo(k)fluoranthene	62	< 62 U
50-32-8	Benzo(a)pyrene	62	< 62 U
193-39-5	Indeno(1,2,3-cd)pyrene	62	< 62 U
53-70-3	Dibenz(a,h)anthracene	62	< 62 U
191-24-2	Benzo(g,h,i)perylene	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	56.4%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	56.8%	2-Fluorophenol	55.7%
2,4,6-Tribromophenol	62.7%	d4-2-Chlorophenol	57.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-8-S-4.5-5-100729
SAMPLE

Lab Sample ID: RG52D
LIMS ID: 10-18194
Matrix: Soil
Data Release Authorized: 
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/06/10
Date Analyzed: 08/12/10 00:43
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 8.04 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 11.0%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
106-46-7	1,4-Dichlorobenzene	62	< 62 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	62	< 62 U
95-48-7	2-Methylphenol	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
621-64-7	N-Nitroso-Di-N-Propylamine	310	< 310 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	62	< 62 U
105-67-9	2,4-Dimethylphenol	62	< 62 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	62	< 62 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	62	< 62 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U

Lab Sample ID: RG52D
LIMS ID: 10-18194
Matrix: Soil
Date Analyzed: 08/12/10 00:43

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	62	< 62 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
118-74-1	Hexachlorobenzene	62	< 62 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	62	< 62 U
86-74-8	Carbazole	62	< 62 U
120-12-7	Anthracene	62	< 62 U
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	< 62 U
129-00-0	Pyrene	62	< 62 U
85-68-7	Butylbenzylphthalate	62	< 62 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	< 62 U
117-81-7	bis(2-Ethylhexyl)phthalate	62	< 62 U
218-01-9	Chrysene	62	< 62 U
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo(b)fluoranthene	62	< 62 U
207-08-9	Benzo(k)fluoranthene	62	< 62 U
50-32-8	Benzo(a)pyrene	62	< 62 U
193-39-5	Indeno(1,2,3-cd)pyrene	62	< 62 U
53-70-3	Dibenz(a,h)anthracene	62	< 62 U
191-24-2	Benzo(g,h,i)perylene	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	48.8%	2-Fluorobiphenyl	47.6%
d14-p-Terphenyl	51.6%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	48.8%	2-Fluorophenol	48.5%
2,4,6-Tribromophenol	47.7%	d4-2-Chlorophenol	49.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-9-S-5.5-6-100729
SAMPLE

Lab Sample ID: RG52E
LIMS ID: 10-18195
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/06/10
Date Analyzed: 08/12/10 01:16
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 8.12 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 9.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
106-46-7	1,4-Dichlorobenzene	62	< 62 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	62	< 62 U
95-48-7	2-Methylphenol	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
621-64-7	N-Nitroso-Di-N-Propylamine	310	< 310 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	62	< 62 U
105-67-9	2,4-Dimethylphenol	62	< 62 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	62	< 62 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	62	< 62 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U

Lab Sample ID: RG52E
LIMS ID: 10-18195
Matrix: Soil
Date Analyzed: 08/12/10 01:16

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	62	< 62 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
118-74-1	Hexachlorobenzene	62	< 62 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	62	< 62 U
86-74-8	Carbazole	62	< 62 U
120-12-7	Anthracene	62	< 62 U
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	< 62 U
129-00-0	Pyrene	62	< 62 U
85-68-7	Butylbenzylphthalate	62	< 62 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	< 62 U
117-81-7	bis(2-Ethylhexyl)phthalate	62	< 62 U
218-01-9	Chrysene	62	< 62 U
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo(b)fluoranthene	62	< 62 U
207-08-9	Benzo(k)fluoranthene	62	< 62 U
50-32-8	Benzo(a)pyrene	62	< 62 U
193-39-5	Indeno(1,2,3-cd)pyrene	62	< 62 U
53-70-3	Dibenz(a,h)anthracene	62	< 62 U
191-24-2	Benzo(g,h,i)perylene	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	47.6%	2-Fluorobiphenyl	52.0%
d14-p-Terphenyl	51.6%	d4-1,2-Dichlorobenzene	52.0%
d5-Phenol	50.7%	2-Fluorophenol	50.4%
2,4,6-Tribromophenol	58.9%	d4-2-Chlorophenol	52.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-3-S-7-8-100729
SAMPLE

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/06/10
Date Analyzed: 08/12/10 01:49
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 5.10 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 15.5%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	490	< 490 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	98	< 98 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	**Naphthalene**	**98**	**660**
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	**2-Methylnaphthalene**	**98**	**1,600**
77-47-4	Hexachlorocyclopentadiene	490	< 490 U
88-06-2	2,4,6-Trichlorophenol	490	< 490 U
95-95-4	2,4,5-Trichlorophenol	490	< 490 U
91-58-7	2-Chloronaphthalene	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	**Dibenzofuran**	**98**	**330**
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	**Fluorene**	**98**	**840**
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Date Analyzed: 08/12/10 01:49

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	**Phenanthrene**	**98**	**1,500**
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	< 98 U
129-00-0	**Pyrene**	**98**	**130**
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	98	< 98 U
117-81-7	bis(2-Ethylhexyl)phthalate	98	< 98 U
218-01-9	Chrysene	98	< 98 U
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo(b)fluoranthene	98	< 98 U
207-08-9	Benzo(k)fluoranthene	98	< 98 U
50-32-8	Benzo(a)pyrene	98	< 98 U
193-39-5	Indeno(1,2,3-cd)pyrene	98	< 98 U
53-70-3	Dibenz(a,h)anthracene	98	< 98 U
191-24-2	Benzo(g,h,i)perylene	98	< 98 U
90-12-0	**1-Methylnaphthalene**	**98**	**3,400**

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	62.8%	2-Fluorobiphenyl	66.0%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	60.4%
d5-Phenol	59.5%	2-Fluorophenol	60.0%
2,4,6-Tribromophenol	80.0%	d4-2-Chlorophenol	60.3%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-080210	85.6%	82.0%	80.4%	69.2%	98.4%	86.1%	95.7%	89.6%	0
LCS-080210	94.0%	95.2%	84.8%	79.6%	110%*	97.1%	108%	100%*	2
LCSD-080210	87.6%	85.2%	79.6%	72.4%	98.4%	82.9%	99.5%	89.9%	0
KSC-DP-4-GW-100729	80.0%	80.8%	75.6%	70.8%	92.5%	81.3%	88.5%	84.3%	0
KSC-DP-9-GW-100729	76.8%	79.6%	64.0%	67.2%	84.0%	72.3%	90.9%	78.7%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-100)	(39-100)
(FBP) = 2-Fluorobiphenyl	(49-100)	(42-100)
(TPH) = d14-p-Terphenyl	(53-119)	(26-114)
(DCB) = d4-1,2-Dichlorobenzene	(38-100)	(32-100)
(PHL) = d5-Phenol	(50-100)	(41-100)
(2FP) = 2-Fluorophenol	(46-100)	(38-100)
(TBP) = 2,4,6-Tribromophenol	(52-123)	(48-118)
(2CP) = d4-2-Chlorophenol	(53-100)	(44-100)

Prep Method: SW3520C
Log Number Range: 10-18191 to 10-18192

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-080610	74.0%	72.8%	86.0%	75.2%	76.8%	75.5%	87.5%	74.1%	0
LCS-080610	78.4%	75.6%	88.8%	80.4%	76.8%	77.9%	91.5%	75.5%	0
LCSD-080610	72.0%	70.4%	84.4%	74.4%	70.7%	73.1%	84.3%	69.6%	0
KSC-DP-7-S-3.5-4-1	57.6%	56.4%	60.8%	59.2%	56.8%	55.7%	62.7%	57.1%	0
KSC-DP-8-S-4.5-5-1	48.8%	47.6%	51.6%	51.6%	48.8%	48.5%	47.7%	49.9%	0
KSC-DP-9-S-5.5-6-1	47.6%	52.0%	51.6%	52.0%	50.7%	50.4%	58.9%	52.0%	0
KSC-DP-3-S-7-8-100	62.8%	66.0%	60.8%	60.4%	59.5%	60.0%	80.0%	60.3%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-102)	(32-106)
(FBP) = 2-Fluorobiphenyl	(51-105)	(39-107)
(TPH) = d14-p-Terphenyl	(55-124)	(31-130)
(DCB) = d4-1,2-Dichlorobenzene	(48-104)	(38-102)
(PHL) = d5-Phenol	(44-110)	(27-112)
(2FP) = 2-Fluorophenol	(38-112)	(22-108)
(TBP) = 2,4,6-Tribromophenol	(54-120)	(31-131)
(2CP) = d4-2-Chlorophenol	(50-103)	(36-104)

Prep Method: SW3546
Log Number Range: 10-18193 to 10-18196

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: LCS-080210
LCS/LCSD

Lab Sample ID: LCS-080210
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/05/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted LCS/LCSD: 08/02/10

Date Analyzed LCS: 08/04/10 23:47
LCSD: 08/05/10 00:20
Instrument/Analyst LCS: NT4/JZ
LCSD: NT4/JZ
GPC Cleanup: NO

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	19.6	25.0	78.4%	18.2	25.0	72.8%	7.4%
Bis-(2-Chloroethyl) Ether	21.5	25.0	86.0%	20.1	25.0	80.4%	6.7%
2-Chlorophenol	20.6	25.0	82.4%	19.0	25.0	76.0%	8.1%
1,3-Dichlorobenzene	15.1	25.0	60.4%	14.3	25.0	57.2%	5.4%
1,4-Dichlorobenzene	15.3	25.0	61.2%	14.6	25.0	58.4%	4.7%
Benzyl Alcohol	54.9	50.0	110%	51.0	50.0	102%	7.4%
1,2-Dichlorobenzene	16.2	25.0	64.8%	15.3	25.0	61.2%	5.7%
2-Methylphenol	20.5	25.0	82.0%	19.3	25.0	77.2%	6.0%
2,2'-Oxybis(1-Chloropropane)	21.3	25.0	85.2%	20.0	25.0	80.0%	6.3%
4-Methylphenol	39.9	50.0	79.8%	37.2	50.0	74.4%	7.0%
N-Nitroso-Di-N-Propylamine	19.2	25.0	76.8%	18.2	25.0	72.8%	5.3%
Hexachloroethane	13.4	25.0	53.6%	12.6	25.0	50.4%	6.2%
Nitrobenzene	20.9	25.0	83.6%	20.0	25.0	80.0%	4.4%
Isophorone	24.0	25.0	96.0%	22.9	25.0	91.6%	4.7%
2-Nitrophenol	23.1	25.0	92.4%	21.7	25.0	86.8%	6.2%
2,4-Dimethylphenol	15.5	25.0	62.0%	14.7	25.0	58.8%	5.3%
Benzoic Acid	75.9	75.0	101%	63.1	75.0	84.1%	18.4%
bis(2-Chloroethoxy) Methane	21.7	25.0	86.8%	20.4	25.0	81.6%	6.2%
2,4-Dichlorophenol	21.9	25.0	87.6%	20.3	25.0	81.2%	7.6%
1,2,4-Trichlorobenzene	16.7	25.0	66.8%	16.0	25.0	64.0%	4.3%
Naphthalene	20.7	25.0	82.8%	19.6	25.0	78.4%	5.5%
4-Chloroaniline	59.5	60.0	99.2%	55.6	60.0	92.7%	6.8%
Hexachlorobutadiene	14.1	25.0	56.4%	13.4	25.0	53.6%	5.1%
4-Chloro-3-methylphenol	22.4	25.0	89.6%	21.1	25.0	84.4%	6.0%
2-Methylnaphthalene	20.4	25.0	81.6%	19.2	25.0	76.8%	6.1%
Hexachlorocyclopentadiene	33.9	75.0	45.2%	34.3	75.0	45.7%	1.2%
2,4,6-Trichlorophenol	23.1	25.0	92.4%	21.1	25.0	84.4%	9.0%
2,4,5-Trichlorophenol	23.9	25.0	95.6%	21.9	25.0	87.6%	8.7%
2-Chloronaphthalene	20.5	25.0	82.0%	18.9	25.0	75.6%	8.1%
2-Nitroaniline	26.4	25.0	106%	24.2	25.0	96.8%	8.7%
Dimethylphthalate	21.9	25.0	87.6%	20.3	25.0	81.2%	7.6%
Acenaphthylene	21.6	25.0	86.4%	20.0	25.0	80.0%	7.7%
3-Nitroaniline	73.8	64.0	115%	70.2	64.0	110%	5.0%
Acenaphthene	20.8	25.0	83.2%	19.3	25.0	77.2%	7.5%
2,4-Dinitrophenol	117	75.0	156%	112	75.0	149%	4.4%
4-Nitrophenol	19.8	25.0	79.2%	17.7	25.0	70.8%	11.2%
Dibenzofuran	22.9	25.0	91.6%	21.2	25.0	84.8%	7.7%
2,6-Dinitrotoluene	23.5	25.0	94.0%	21.9	25.0	87.6%	7.0%
2,4-Dinitrotoluene	24.0	25.0	96.0%	22.6	25.0	90.4%	6.0%
Diethylphthalate	21.5	25.0	86.0%	20.2	25.0	80.8%	6.2%
4-Chlorophenyl-phenylether	21.8	25.0	87.2%	20.5	25.0	82.0%	6.1%
Fluorene	21.9	25.0	87.6%	20.7	25.0	82.8%	5.6%
4-Nitroaniline	23.8	25.0	95.2%	22.7	25.0	90.8%	4.7%
4,6-Dinitro-2-Methylphenol	103	75.0	137%	94.3	75.0	126%	8.8%
N-Nitrosodiphenylamine	20.6	25.0	82.4%	19.1	25.0	76.4%	7.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: LCS-080210**
 LCS/LCSD

Lab Sample ID: LCS-080210 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18191 Project: Striker
Matrix: Water 025195.020.022
Date Analyzed LCS: 08/04/10 23:47
LCSD: 08/05/10 00:20

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
4-Bromophenyl-phenylether	23.5	25.0	94.0%	21.7	25.0	86.8%	8.0%
Hexachlorobenzene	23.0	25.0	92.0%	21.1	25.0	84.4%	8.6%
Pentachlorophenol	21.5	25.0	86.0%	19.1	25.0	76.4%	11.8%
Phenanthrene	23.0	25.0	92.0%	21.2	25.0	84.8%	8.1%
Carbazole	22.4	25.0	89.6%	20.9	25.0	83.6%	6.9%
Anthracene	21.9	25.0	87.6%	20.4	25.0	81.6%	7.1%
Di-n-Butylphthalate	23.7	25.0	94.8%	21.2	25.0	84.8%	11.1%
Fluoranthene	24.5	25.0	98.0%	21.7	25.0	86.8%	12.1%
Pyrene	19.4	25.0	77.6%	18.4	25.0	73.6%	5.3%
Butylbenzylphthalate	19.0	25.0	76.0%	17.7	25.0	70.8%	7.1%
3,3'-Dichlorobenzidine	40.6	64.0	63.4%	44.2	64.0	69.1%	8.5%
Benzo(a)anthracene	19.6	25.0	78.4%	18.2	25.0	72.8%	7.4%
bis(2-Ethylhexyl)phthalate	23.0	25.0	92.0%	20.8	25.0	83.2%	10.0%
Chrysene	20.1	25.0	80.4%	18.7	25.0	74.8%	7.2%
Di-n-Octyl phthalate	21.2	25.0	84.8%	19.7	25.0	78.8%	7.3%
Benzo(b)fluoranthene	24.5	25.0	98.0%	20.9	25.0	83.6%	15.9%
Benzo(k)fluoranthene	21.4	25.0	85.6%	22.1	25.0	88.4%	3.2%
Benzo(a)pyrene	19.6	25.0	78.4%	18.4	25.0	73.6%	6.3%
Indeno(1,2,3-cd)pyrene	20.8	25.0	83.2%	18.6	25.0	74.4%	11.2%
Dibenz(a,h)anthracene	23.0	25.0	92.0%	20.4	25.0	81.6%	12.0%
Benzo(g,h,i)perylene	18.2	25.0	72.8%	16.0	25.0	64.0%	12.9%
1-Methylnaphthalene	21.0	25.0	84.0%	19.8	25.0	79.2%	5.9%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	94.0%	87.6%
2-Fluorobiphenyl	95.2%	85.2%
d14-p-Terphenyl	84.8%	79.6%
d4-1,2-Dichlorobenzene	79.6%	72.4%
d5-Phenol	110%	98.4%
2-Fluorophenol	97.1%	82.9%
2,4,6-Tribromophenol	108%	99.5%
d4-2-Chlorophenol	100%	89.9%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080210
METHOD BLANK

Lab Sample ID: MB-080210
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/05/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted: 08/02/10
Date Analyzed: 08/04/10 23:13
Instrument/Analyst: NT4/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080210
METHOD BLANK

Lab Sample ID: MB-080210
LIMS ID: 10-18191
Matrix: Water
Date Analyzed: 08/04/10 23:13

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	85.6%	2-Fluorobiphenyl	82.0%
d14-p-Terphenyl	80.4%	d4-1,2-Dichlorobenzene	69.2%
d5-Phenol	98.4%	2-Fluorophenol	86.1%
2,4,6-Tribromophenol	95.7%	d4-2-Chlorophenol	89.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-080610
LCS/LCSD

Lab Sample ID: LCS-080610
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted LCS/LCSD: 08/06/10

Date Analyzed LCS: 08/11/10 23:05
LCSD: 08/11/10 23:38
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ
GPC Cleanup: No

Sample Amount LCS: 7.50 g
LCSD: 7.50 g
Final Extract Volume LCS: 0.5 mL
LCSD: 0.5 mL
Dilution Factor LCS: 1.00
LCSD: 1.00
Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	1090	1670	65.3%	1090	1670	65.3%	0.0%
Bis-(2-Chloroethyl) Ether	1060	1670	63.5%	1080	1670	64.7%	1.9%
2-Chlorophenol	1030	1670	61.7%	1040	1670	62.3%	1.0%
1,3-Dichlorobenzene	1050	1670	62.9%	1060	1670	63.5%	0.9%
1,4-Dichlorobenzene	1040	1670	62.3%	1050	1670	62.9%	1.0%
Benzyl Alcohol	3150	3330	94.6%	3150	3330	94.6%	0.0%
1,2-Dichlorobenzene	1050	1670	62.9%	1060	1670	63.5%	0.9%
2-Methylphenol	1100	1670	65.9%	1090	1670	65.3%	0.9%
2,2'-Oxybis(1-Chloropropane)	1160	1670	69.5%	1160	1670	69.5%	0.0%
4-Methylphenol	2210	3330	66.4%	2180	3330	65.5%	1.4%
N-Nitroso-Di-N-Propylamine	1150	1670	68.9%	1150	1670	68.9%	0.0%
Hexachloroethane	1080	1670	64.7%	1100	1670	65.9%	1.8%
Nitrobenzene	1060	1670	63.5%	1060	1670	63.5%	0.0%
Isophorone	1250	1670	74.9%	1250	1670	74.9%	0.0%
2-Nitrophenol	1120	1670	67.1%	1120	1670	67.1%	0.0%
2,4-Dimethylphenol	1010	1670	60.5%	1010	1670	60.5%	0.0%
Benzoic Acid	3660	5000	73.2%	3560	5000	71.2%	2.8%
bis(2-Chloroethoxy) Methane	1090	1670	65.3%	1080	1670	64.7%	0.9%
2,4-Dichlorophenol	1130	1670	67.7%	1130	1670	67.7%	0.0%
1,2,4-Trichlorobenzene	1070	1670	64.1%	1060	1670	63.5%	0.9%
Naphthalene	1130	1670	67.7%	1130	1670	67.7%	0.0%
4-Chloroaniline	3300	4000	82.5%	3220	4000	80.5%	2.5%
Hexachlorobutadiene	1130	1670	67.7%	1120	1670	67.1%	0.9%
4-Chloro-3-methylphenol	1180	1670	70.7%	1170	1670	70.1%	0.9%
2-Methylnaphthalene	1200	1670	71.9%	1200	1670	71.9%	0.0%
Hexachlorocyclopentadiene	3350	5000	67.0%	3440	5000	68.8%	2.7%
2,4,6-Trichlorophenol	1100	1670	65.9%	1100	1670	65.9%	0.0%
2,4,5-Trichlorophenol	1090	1670	65.3%	1070	1670	64.1%	1.9%
2-Chloronaphthalene	1070	1670	64.1%	1070	1670	64.1%	0.0%
2-Nitroaniline	1180	1670	70.7%	1170	1670	70.1%	0.9%
Dimethylphthalate	1040	1670	62.3%	1020	1670	61.1%	1.9%
Acenaphthylene	1100	1670	65.9%	1100	1670	65.9%	0.0%
3-Nitroaniline	3430	4270	80.3%	3320	4270	77.8%	3.3%
Acenaphthene	1040	1670	62.3%	1040	1670	62.3%	0.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCSD-080610
LCS/LCSD

Lab Sample ID: LCS-080610
LIMS ID: 10-18193
Matrix: Soil
Date Analyzed LCS: 08/11/10 23:05
LCSD: 08/11/10 23:38

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Analyte	LCS		Spike Added-LCS	LCS Recovery	LCSD		Spike Added-LCSD	LCSD Recovery	RPD
2,4-Dinitrophenol	3740	Q	5000	74.8%	2780	Q	5000	55.6%	29.4%
4-Nitrophenol	813	Q	1670	48.7%	795	Q	1670	47.6%	2.2%
Dibenzofuran	1150		1670	68.9%	1150		1670	68.9%	0.0%
2,6-Dinitrotoluene	1080		1670	64.7%	1080		1670	64.7%	0.0%
2,4-Dinitrotoluene	1110		1670	66.5%	1090		1670	65.3%	1.8%
Diethylphthalate	1050		1670	62.9%	1040		1670	62.3%	1.0%
4-Chlorophenyl-phenylether	1060		1670	63.5%	1040		1670	62.3%	1.9%
Fluorene	1110		1670	66.5%	1100		1670	65.9%	0.9%
4-Nitroaniline	1100		1670	65.9%	1060		1670	63.5%	3.7%
4,6-Dinitro-2-Methylphenol	4170		5000	83.4%	4010		5000	80.2%	3.9%
N-Nitrosodiphenylamine	1010		1670	60.5%	1020		1670	61.1%	1.0%
4-Bromophenyl-phenylether	1100		1670	65.9%	1110		1670	66.5%	0.9%
Hexachlorobenzene	1150		1670	68.9%	1160		1670	69.5%	0.9%
Pentachlorophenol	791		1670	47.4%	795		1670	47.6%	0.5%
Phenanthrene	1090		1670	65.3%	1090		1670	65.3%	0.0%
Carbazole	1010		1670	60.5%	978		1670	58.6%	3.2%
Anthracene	1090		1670	65.3%	1080		1670	64.7%	0.9%
Di-n-Butylphthalate	1110		1670	66.5%	1100		1670	65.9%	0.9%
Fluoranthene	1170		1670	70.1%	1150		1670	68.9%	1.7%
Pyrene	1220		1670	73.1%	1200		1670	71.9%	1.7%
Butylbenzylphthalate	1180		1670	70.7%	1150		1670	68.9%	2.6%
3,3'-Dichlorobenzidine	3650		4270	85.5%	3630		4270	85.0%	0.5%
Benzo(a)anthracene	1240		1670	74.3%	1230		1670	73.7%	0.8%
bis(2-Ethylhexyl)phthalate	1170		1670	70.1%	1170		1670	70.1%	0.0%
Chrysene	1180		1670	70.7%	1170		1670	70.1%	0.9%
Di-n-Octyl phthalate	1080		1670	64.7%	1080		1670	64.7%	0.0%
Benzo(b)fluoranthene	1120		1670	67.1%	1240		1670	74.3%	10.2%
Benzo(k)fluoranthene	1130		1670	67.7%	1030		1670	61.7%	9.3%
Benzo(a)pyrene	1050		1670	62.9%	1050		1670	62.9%	0.0%
Indeno(1,2,3-cd)pyrene	1160		1670	69.5%	1180		1670	70.7%	1.7%
Dibenz(a,h)anthracene	1170		1670	70.1%	1180		1670	70.7%	0.9%
Benzo(g,h,i)perylene	1140		1670	68.3%	1150		1670	68.9%	0.9%
1-Methylnaphthalene	1200		1670	71.9%	1200		1670	71.9%	0.0%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	78.4%	72.0%
2-Fluorobiphenyl	75.6%	70.4%
d14-p-Terphenyl	88.8%	84.4%
d4-1,2-Dichlorobenzene	80.4%	74.4%
d5-Phenol	76.8%	70.7%
2-Fluorophenol	77.9%	73.1%
2,4,6-Tribromophenol	91.5%	84.3%
d4-2-Chlorophenol	75.5%	69.6%

Reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080610
METHOD BLANK

Lab Sample ID: MB-080610
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted: 08/06/10
Date Analyzed: 08/11/10 22:33
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 7.50 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
108-95-2	Phenol	67	< 67 U
111-44-4	Bis-(2-Chloroethyl) Ether	67	< 67 U
95-57-8	2-Chlorophenol	67	< 67 U
541-73-1	1,3-Dichlorobenzene	67	< 67 U
106-46-7	1,4-Dichlorobenzene	67	< 67 U
100-51-6	Benzyl Alcohol	330	< 330 U
95-50-1	1,2-Dichlorobenzene	67	< 67 U
95-48-7	2-Methylphenol	67	< 67 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	67	< 67 U
106-44-5	4-Methylphenol	67	< 67 U
621-64-7	N-Nitroso-Di-N-Propylamine	330	< 330 U
67-72-1	Hexachloroethane	67	< 67 U
98-95-3	Nitrobenzene	67	< 67 U
78-59-1	Isophorone	67	< 67 U
88-75-5	2-Nitrophenol	67	< 67 U
105-67-9	2,4-Dimethylphenol	67	< 67 U
65-85-0	Benzoic Acid	670	< 670 U
111-91-1	bis(2-Chloroethoxy) Methane	67	< 67 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
120-82-1	1,2,4-Trichlorobenzene	67	< 67 U
91-20-3	Naphthalene	67	< 67 U
106-47-8	4-Chloroaniline	330	< 330 U
87-68-3	Hexachlorobutadiene	67	< 67 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	67	< 67 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	67	< 67 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	67	< 67 U
208-96-8	Acenaphthylene	67	< 67 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	67	< 67 U
51-28-5	2,4-Dinitrophenol	670	< 670 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	67	< 67 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	67	< 67 U
7005-72-3	4-Chlorophenyl-phenylether	67	< 67 U
86-73-7	Fluorene	67	< 67 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	670	< 670 U

Lab Sample ID: MB-080610 QC Report No: RG52-Landau Associates, Inc.
LIMS ID: 10-18193 Project: Striker
Matrix: Soil 025195.020.022
Date Analyzed: 08/11/10 22:33

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	67	< 67 U
101-55-3	4-Bromophenyl-phenylether	67	< 67 U
118-74-1	Hexachlorobenzene	67	< 67 U
87-86-5	Pentachlorophenol	330	< 330 U
85-01-8	Phenanthrene	67	< 67 U
86-74-8	Carbazole	67	< 67 U
120-12-7	Anthracene	67	< 67 U
84-74-2	Di-n-Butylphthalate	67	< 67 U
206-44-0	Fluoranthene	67	< 67 U
129-00-0	Pyrene	67	< 67 U
85-68-7	Butylbenzylphthalate	67	< 67 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo(a)anthracene	67	< 67 U
117-81-7	bis(2-Ethylhexyl)phthalate	67	< 67 U
218-01-9	Chrysene	67	< 67 U
117-84-0	Di-n-Octyl phthalate	67	< 67 U
205-99-2	Benzo(b)fluoranthene	67	< 67 U
207-08-9	Benzo(k)fluoranthene	67	< 67 U
50-32-8	Benzo(a)pyrene	67	< 67 U
193-39-5	Indeno(1,2,3-cd)pyrene	67	< 67 U
53-70-3	Dibenz(a,h)anthracene	67	< 67 U
191-24-2	Benzo(g,h,i)perylene	67	< 67 U
90-12-0	1-Methylnaphthalene	67	< 67 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.0%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	86.0%	d4-1,2-Dichlorobenzene	75.2%
d5-Phenol	76.8%	2-Fluorophenol	75.5%
2,4,6-Tribromophenol	87.5%	d4-2-Chlorophenol	74.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: KSC-DP-7-S-3.5-4-100729
SAMPLE

Lab Sample ID: RG52C
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 17:32
Instrument/Analyst: ECD5/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.6 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 11.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	32	< 32 U
53469-21-9	Aroclor 1242	32	< 32 U
12672-29-6	Aroclor 1248	32	< 32 U
11097-69-1	Aroclor 1254	32	< 32 U
11096-82-5	Aroclor 1260	32	< 32 U
11104-28-2	Aroclor 1221	32	< 32 U
11141-16-5	Aroclor 1232	32	< 32 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	96.9%
Tetrachlorometaxylene	84.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: KSC-DP-8-S-4.5-5-100729
SAMPLE

Lab Sample ID: RG52D
LIMS ID: 10-18194
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 17:51
Instrument/Analyst: ECD5/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.5 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 11.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	32	< 32 U
53469-21-9	Aroclor 1242	32	< 32 U
12672-29-6	Aroclor 1248	32	< 32 U
11097-69-1	Aroclor 1254	32	< 32 U
11096-82-5	Aroclor 1260	32	< 32 U
11104-28-2	Aroclor 1221	32	< 32 U
11141-16-5	Aroclor 1232	32	< 32 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	104%
Tetrachlorometaxylene	90.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: KSC-DP-9-S-5.5-6-100729
SAMPLE

Lab Sample ID: RG52E
LIMS ID: 10-18195
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 18:10
Instrument/Analyst: ECD5/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.8 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 9.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	31	< 31 U
53469-21-9	Aroclor 1242	31	< 31 U
12672-29-6	Aroclor 1248	31	< 31 U
11097-69-1	Aroclor 1254	31	< 31 U
11096-82-5	Aroclor 1260	31	< 31 U
11104-28-2	Aroclor 1221	31	< 31 U
11141-16-5	Aroclor 1232	31	< 31 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	99.6%
Tetrachlorometaxylene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: KSC-DP-3-S-7-8-100729
SAMPLE

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 18:29
Instrument/Analyst: ECD5/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.9 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 15.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	31	< 31 U
53469-21-9	Aroclor 1242	31	< 31 U
12672-29-6	Aroclor 1248	31	< 31 U
11097-69-1	Aroclor 1254	31	< 31 U
11096-82-5	Aroclor 1260	31	< 31 U
11104-28-2	Aroclor 1221	31	< 31 U
11141-16-5	Aroclor 1232	31	< 31 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	77.8%

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Client ID	DCBP % REC	DCBP LCL-UCL	TCMX % REC	TCMX LCL-UCL	TOT OUT
MB-080510	107%	51-112	93.0%	46-111	0
LCS-080510	106%	51-112	94.8%	46-111	0
LCSD-080510	107%	51-112	93.2%	46-111	0
KSC-DP-7-S-3.5-4-100729	96.9%	42-127	84.5%	50-114	0
KSC-DP-8-S-4.5-5-100729	104%	42-127	90.8%	50-114	0
KSC-DP-9-S-5.5-6-100729	99.6%	42-127	101%	50-114	0
KSC-DP-3-S-7-8-100729	102%	42-127	77.8%	50-114	0

Microwave (MARS) Control Limits
Prep Method: SW3546
Log Number Range: 10-18193 to 10-18196

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/10/10 16:36
LCSD: 08/10/10 16:55
Instrument/Analyst LCS: ECD5/YZ
LCSD: ECD5/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount LCS: 12.0 g-dry-wt
LCSD: 12.0 g-dry-wt
Final Extract Volume LCS: 4.0 mL
LCSD: 4.0 mL
Dilution Factor LCS: 5.00
LCSD: 5.00
Silica Gel: No

Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Aroclor 1016	199	167	119%	206	167	124%	3.5%
Aroclor 1260	172	167	103%	172	167	103%	0.0%

PCB Surrogate Recovery

	LCS	LCSD
Decachlorobiphenyl	106%	107%
Tetrachlorometaxylene	94.8%	93.2%

Results reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 16:17
Instrument/Analyst: ECD5/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.0 g
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	33	< 33 U
53469-21-9	Aroclor 1242	33	< 33 U
12672-29-6	Aroclor 1248	33	< 33 U
11097-69-1	Aroclor 1254	33	< 33 U
11096-82-5	Aroclor 1260	33	< 33 U
11104-28-2	Aroclor 1221	33	< 33 U
11141-16-5	Aroclor 1232	33	< 33 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	107%
Tetrachlorometaxylene	93.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Water

Data Release Authorized:
Reported: 08/13/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

ARI ID	Client ID	Analysis Date	DL	Range	Result
MB-080210	Method Blank	08/02/10	1.0	Gasoline	< 0.25 U
10-18191		PID3		HC ID	---
				Trifluorotoluene	100%
				Bromobenzene	101%
RG52A	KSC-DP-4-GW-100729	08/02/10	1.0	Gasoline	< 0.25 U
10-18191		PID3		HC ID	---
				Trifluorotoluene	109%
				Bromobenzene	104%
RG52B	KSC-DP-9-GW-100729	08/02/10	1.0	Gasoline	< 0.25 U
10-18192		PID3		HC ID	---
				Trifluorotoluene	112%
				Bromobenzene	110%

Gasoline values reported in mg/L (ppm)

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Data Release Authorized:
Reported: 08/10/10

ARI ID	Client ID	Analysis Date	Basis	Range	Result
MB-080210	Method Blank	08/02/10	Dry	Gasoline	< 5.0 U
10-18193		PID3		HC ID	---
				Trifluorotoluene	100%
				Bromobenzene	101%
RG52C	KSC-DP-7-S-3.5-4-100729	08/02/10	Dry	Gasoline	< 5.6 U
10-18193		PID3		HC ID	---
				Trifluorotoluene	111%
				Bromobenzene	108%
RG52D	KSC-DP-8-S-4.5-5-100729	08/02/10	Dry	Gasoline	< 5.9 U
10-18194		PID3		HC ID	---
				Trifluorotoluene	112%
				Bromobenzene	108%
RG52E	KSC-DP-9-S-5.5-6-100729	08/02/10	Dry	Gasoline	< 5.9 U
10-18195		PID3		HC ID	---
				Trifluorotoluene	111%
				Bromobenzene	106%
RG52F	KSC-DP-3-S-7-8-100729	08/02/10	Dry	**Gasoline**	**890**
10-18196		PID3		HC ID	GRO
				Trifluorotoluene	108%
				Bromobenzene	112%

Gasoline values reported in mg/kg (ppm)

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

TPHG WATER SURROGATE RECOVERY SUMMARY

ARI Job: RG52
Matrix: Water

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
Event: 025195.020.022

Client ID	TFT	BBZ	TOT OUT
MB-080210	100%	101%	0
LCS-080210	103%	101%	0
LCSD-080210	107%	105%	0
KSC-DP-4-GW-100729	109%	104%	0
KSC-DP-9-GW-100729	112%	110%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(80-120)	(80-120)
(BBZ) = Bromobenzene	(80-120)	(80-120)

Log Number Range: 10-18191 to 10-18192

ANALYTICAL RESOURCES INCORPORATED

TPHG SOIL SURROGATE RECOVERY SUMMARY

ARI Job: RG52
Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
Event: 025195.020.022

Client ID	BFB	TFT	BBZ	TOT OUT
MB-080210	NA	100%	101%	0
LCS-080210	NA	103%	101%	0
LCSD-080210	NA	107%	105%	0
KSC-DP-7-S-3.5-4-100729	NA	111%	108%	0
KSC-DP-8-S-4.5-5-100729	NA	112%	108%	0
KSC-DP-9-S-5.5-6-100729	NA	111%	106%	0
KSC-DP-3-S-7-8-100729	NA	108%	112%	0

	LCS/MB LIMITS	QC LIMITS
(BFB) = Bromofluorobenzene	(70-130)	(70-130)
(TFT) = Trifluorotoluene	(80-120)	(66-123)
(BBZ) = Bromobenzene	(80-120)	(62-130)

Log Number Range: 10-18193 to 10-18196

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG

Sample ID: LCS-080210
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080210
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/02/10 07:51
LCSD: 08/02/10 08:15
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL

Dilution Factor LCS: 1.0
LCSD: 1.0

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	0.90	1.00	90.0%	0.99	1.00	99.0%	9.5%

Reported in mg/L (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	103%	107%
Bromobenzene	101%	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG

Sample ID: LCS-080210
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080210
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized: MW
Reported: 08/10/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/02/10 07:51
LCSD: 08/02/10 08:15
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL

Sample Amount LCS: 100 mg-dry-wt
LCSD: 100 mg-dry-wt

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	44.8	50.0	89.6%	49.4	50.0	98.8%	9.8%

Reported in mg/kg (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	103%	107%
Bromobenzene	101%	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Water

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Data Release Authorized:
Reported: 08/13/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-080310	Method Blank	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18191	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		74.5%
RG52A	KSC-DP-4-GW-100729	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18191	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		81.1%
RG52B	KSC-DP-9-GW-100729	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18192	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		97.4%

Reported in mg/L (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Data Release Authorized: MW
Reported: 08/09/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-080510	Method Blank	08/05/10	08/06/10	1.00	Diesel	5.0	< 5.0 U
10-18193	HC ID: ---		FID3B	1.0	Motor Oil	10	< 10 U
					o-Terphenyl		100%
RG52C	KSC-DP-7-S-3.5-4-100708	08/05/10	08/06/10	1.00	Diesel	5.6	< 5.6 U
10-18193	HC ID: ---		FID3B	1.0	Motor Oil	11	< 11 U
					o-Terphenyl		104%
RG52D	KSC-DP-8-S-4.5-5-100708	08/05/10	08/06/10	1.00	Diesel	5.6	< 5.6 U
10-18194	HC ID: ---		FID3B	1.0	Motor Oil	11	< 11 U
					o-Terphenyl		107%
RG52E	KSC-DP-9-S-5.5-6-100708	08/05/10	08/06/10	1.00	Diesel	5.5	< 5.5 U
10-18195	HC ID: **MOTOR OIL**		FID3B	1.0	**Motor Oil**	**11**	**51**
					o-Terphenyl		103%
RG52F	KSC-DP-3-S-7-8-10072908	08/05/10	08/06/10	1.00	**Diesel**	**5.9**	**2000 E**
10-18196	HC ID: **DIESEL/RRO**		FID3B	1.0	**Motor Oil**	**12**	**67**
					o-Terphenyl		NR
RG52F DL	KSC-DP-3-S-7-8-10072908	08/05/10	08/06/10	1.00	**Diesel**	**120**	**2000**
10-18196	HC ID: **DIESEL**		FID3B	20	Motor Oil	240	< 240 U
					o-Terphenyl		D

Reported in mg/kg (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Client ID	OTER	TOT OUT
MB-080310	74.5%	0
LCS-080310	82.9%	0
LCSD-080310	84.4%	0
KSC-DP-4-GW-100729	81.1%	0
KSC-DP-9-GW-100729	97.4%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(51-120)	(41-121)

Prep Method: SW3510C
Log Number Range: 10-18191 to 10-18192

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022

Client ID	OTER	TOT OUT
MB-080510	100%	0
LCS-080510	109%	0
LCSD-080510	109%	0
KSC-DP-7-S-3.5-4-1	104%	0
KSC-DP-8-S-4.5-5-1	107%	0
KSC-DP-9-S-5.5-6-1	103%	0
KSC-DP-3-S-7-8-100	NR	0
KSC-DP-3-S-7-8-100 DL	D	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(63-115)	(49-120)

Prep Method: SW3546
Log Number Range: 10-18193 to 10-18196

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-080310**
Page 1 of 1 **LCS/LCSD**

Lab Sample ID: LCS-080310
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/05/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted LCS/LCSD: 08/03/10

Date Analyzed LCS: 08/04/10 20:10
LCSD: 08/04/10 20:29
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	1.86	3.00	62.0%	1.95	3.00	65.0%	4.7%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	82.9%	84.4%

Results reported in mg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/09/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/06/10 15:21
LCSD: 08/06/10 15:40
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 10.0 g
LCSD: 10.0 g
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.0
LCSD: 1.0

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	128	150	85.3%	134	150	89.3%	4.6%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	109%	109%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Water
Date Received: 07/29/10

ARI Job: RG52
Project: Striker
025195.020.022

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
10-18191-080310MB1	Method Blank	500 mL	1.00 mL	08/03/10
10-18191-080310LCS1	Lab Control	500 mL	1.00 mL	08/03/10
10-18191-080310LCSD1	Lab Control Dup	500 mL	1.00 mL	08/03/10
10-18191-RG52A	KSC-DP-4-GW-100729	500 mL	1.00 mL	08/03/10
10-18192-RG52B	KSC-DP-9-GW-100729	500 mL	1.00 mL	08/03/10

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: RG52
Matrix: Soil Project: Striker
Date Received: 07/29/10 025195.020.022

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
10-18193-080510MB1	Method Blank	10.0 g	1.00 mL	-	08/05/10
10-18193-080510LCS1	Lab Control	10.0 g	1.00 mL	-	08/05/10
10-18193-080510LCSD1	Lab Control Dup	10.0 g	1.00 mL	-	08/05/10
10-18193-RG52C	KSC-DP-7-S-3.5-4-10	8.93 g	1.00 mL	D	08/05/10
10-18194-RG52D	KSC-DP-8-S-4.5-5-10	8.94 g	1.00 mL	D	08/05/10
10-18195-RG52E	KSC-DP-9-S-5.5-6-10	9.07 g	1.00 mL	D	08/05/10
10-18196-RG52F	KSC-DP-3-S-7-8-100	78.49 g	1.00 mL	D	08/05/10

Basis: D=Dry Weight W=As Received

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-4-GW-100729
SAMPLE

Lab Sample ID: RG52A
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/13/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/03/10	200.8	08/10/10	**7440-38-2**	**Arsenic**	0.2	**9.6**	
200.8	08/03/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
200.8	08/03/10	200.8	08/11/10	7440-47-3	Chromium	1	1	U
200.8	08/03/10	200.8	08/10/10	**7440-50-8**	**Copper**	0.5	**0.5**	
200.8	08/03/10	200.8	08/10/10	7439-92-1	Lead	1	1	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.1	0.1	U
200.8	08/03/10	200.8	08/10/10	7440-66-6	Zinc	4	4	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-9-GW-100729
SAMPLE

Lab Sample ID: RG52B
LIMS ID: 10-18192
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/03/10	200.8	08/11/10	**7440-38-2**	**Arsenic**	0.5	**13.8**	
200.8	08/03/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
200.8	08/03/10	200.8	08/11/10	**7440-47-3**	**Chromium**	1	**2**	
200.8	08/03/10	200.8	08/10/10	**7440-50-8**	**Copper**	0.5	**0.8**	
200.8	08/03/10	200.8	08/10/10	7439-92-1	Lead	1	1	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.1	0.1	U
200.8	08/03/10	200.8	08/10/10	7440-66-6	Zinc	4	4	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: KSC-DP-7-S-3.5-4-100729
SAMPLE

Lab Sample ID: RG52C
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Percent Total Solids: 88.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/10/10	**7440-38-2**	**Arsenic**	0.2	**3.0**	
3050B	08/06/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	1	**29**	
3050B	08/06/10	200.8	08/10/10	**7440-50-8**	**Copper**	0.6	**22.1**	
3050B	08/06/10	200.8	08/10/10	**7439-92-1**	**Lead**	1	**4**	
CLP	08/06/10	7471A	08/09/10	**7439-97-6**	**Mercury**	0.02	**0.03**	
3050B	08/06/10	200.8	08/10/10	**7440-66-6**	**Zinc**	4	**42**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: KSC-DP-8-S-4.5-5-100729
SAMPLE

Lab Sample ID: RG52D
LIMS ID: 10-18194
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Percent Total Solids: 89.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/10/10	**7440-38-2**	**Arsenic**	0.2	**1.5**	
3050B	08/06/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	1	**29**	
3050B	08/06/10	200.8	08/10/10	**7440-50-8**	**Copper**	0.5	**18.1**	
3050B	08/06/10	200.8	08/10/10	**7439-92-1**	**Lead**	1	**3**	
CLP	08/06/10	7471A	08/09/10	7439-97-6	Mercury	0.02	0.02	U
3050B	08/06/10	200.8	08/10/10	**7440-66-6**	**Zinc**	4	**37**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: KSC-DP-9-S-5.5-6-100729
SAMPLE

Lab Sample ID: RG52E
LIMS ID: 10-18195
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Percent Total Solids: 90.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/10/10	**7440-38-2**	**Arsenic**	0.2	**1.8**	
3050B	08/06/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	1	**21**	
3050B	08/06/10	200.8	08/10/10	**7440-50-8**	**Copper**	0.5	**15.4**	
3050B	08/06/10	200.8	08/10/10	**7439-92-1**	**Lead**	1	**2**	
CLP	08/06/10	7471A	08/09/10	**7439-97-6**	**Mercury**	0.02	**0.03**	
3050B	08/06/10	200.8	08/10/10	**7440-66-6**	**Zinc**	4	**28**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: KSC-DP-3-S-7-8-100729
SAMPLE

Lab Sample ID: RG52F
LIMS ID: 10-18196
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Percent Total Solids: 86.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/10/10	**7440-38-2**	**Arsenic**	0.2	**2.2**	
3050B	08/06/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	1	**26**	
3050B	08/06/10	200.8	08/10/10	**7440-50-8**	**Copper**	0.5	**20.1**	
3050B	08/06/10	200.8	08/10/10	**7439-92-1**	**Lead**	1	**4**	
CLP	08/06/10	7471A	08/09/10	**7439-97-6**	**Mercury**	0.02	**0.03**	
3050B	08/06/10	200.8	08/10/10	**7440-66-6**	**Zinc**	4	**42**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: LAB CONTROL

Lab Sample ID: RG52LCS
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	200.8	23.2	25.0	92.8%	
Cadmium	200.8	24.3	25.0	97.2%	
Chromium	200.8	25.0	25.0	100%	
Copper	200.8	27.5	25.0	110%	
Lead	200.8	26	25	104%	
Mercury	7470A	2.1	2.0	105%	
Zinc	200.8	82	80	102%	

Reported in µg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: RG52LCS
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	200.8	23.3	25.0	93.2%	
Cadmium	200.8	24.4	25.0	97.6%	
Chromium	200.8	25.4	25.0	102%	
Copper	200.8	27.7	25.0	111%	
Lead	200.8	24	25	96.0%	
Mercury	7471A	0.50	0.50	100%	
Zinc	200.8	84	80	105%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RG52MB
LIMS ID: 10-18191
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/03/10	200.8	08/10/10	7440-38-2	Arsenic	0.2	0.2	U
200.8	08/03/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
200.8	08/03/10	200.8	08/10/10	7440-47-3	Chromium	0.5	0.5	U
200.8	08/03/10	200.8	08/10/10	7440-50-8	Copper	0.5	0.5	U
200.8	08/03/10	200.8	08/10/10	7439-92-1	Lead	1	1	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.1	0.1	U
200.8	08/03/10	200.8	08/10/10	7440-66-6	Zinc	4	4	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RG52MB
LIMS ID: 10-18193
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG52-Landau Associates, Inc.
Project: Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/10/10	7440-38-2	Arsenic	0.2	0.2	U
3050B	08/06/10	200.8	08/10/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/10/10	7440-47-3	Chromium	0.5	0.5	U
3050B	08/06/10	200.8	08/10/10	7440-50-8	Copper	0.5	0.5	U
3050B	08/06/10	200.8	08/10/10	7439-92-1	Lead	1	1	U
CLP	08/06/10	7471A	08/09/10	7439-97-6	Mercury	0.02	0.02	U
3050B	08/06/10	200.8	08/10/10	7440-66-6	Zinc	4	4	U

U-Analyte undetected at given RL
RL-Reporting Limit

SAMPLE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: KSC-DP-4-GW-100729
ARI ID: 10-18191 RG52A

Analyte	Date Batch	Method	Units	RL	Sample
Hexavalent Chrome	07/30/10 073010#1	SM3500Cr-D	mg/L	0.010	< 0.010 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: KSC-DP-9-GW-100729
ARI ID: 10-18192 RG52B

Analyte	Date Batch	Method	Units	RL	Sample
Hexavalent Chrome	07/30/10 073010#1	SM3500Cr-D	mg/L	0.010	0.023

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: KSC-DP-7-S-3.5-4-100729
ARI ID: 10-18193 RG52C

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.445	< 0.445 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	88.90

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

SAMPLE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: KSC-DP-8-S-4.5-5-100729
ARI ID: 10-18194 RG52D

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.434	< 0.434 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	89.60

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

SAMPLE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: KSC-DP-9-S-5.5-6-100729
ARI ID: 10-18195 RG52E

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.426	< 0.426 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	90.70

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

SAMPLE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized: MB
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: KSC-DP-3-S-7-8-100729
ARI ID: 10-18196 RG52F

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.447	< 0.447 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	86.80

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

MS/MSD RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/18/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: RG52A Client ID: KSC-DP-4-GW-100729							
Hexavalent Chrome	SM3500Cr-D	07/30/10	mg/L	< 0.010	0.012	0.627	1.9%
Hexavalent Chrome	SM3500Cr-D	07/30/10	mg/L	< 0.010	0.012	0.627	1.9%

MS/MSD RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: RG52C Client ID: KSC-DP-7-S-3.5-4-100729						
Hexavalent Chrome	08/10/10	mg/kg	< 0.445	10.3	22.1	46.7%
Hexavalent Chrome	08/10/10	mg/kg	< 0.445	718	809	88.7%

REPLICATE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/18/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: RG52A Client ID: KSC-DP-4-GW-100729						
Hexavalent Chrome	SM3500Cr-D	07/30/10	mg/L	< 0.010	< 0.010	NA

REPLICATE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized: MB
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: 07/29/10
Date Received: 07/29/10

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: RG52C Client ID: KSC-DP-7-S-3.5-4-100729					
Hexavalent Chrome	08/10/10	mg/kg	< 0.445	< 0.448	NA
Total Solids	08/04/10	Percent	88.90	87.00	2.2%

METHOD BLANK RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Hexavalent Chrome	SM3500Cr-D	07/30/10	mg/L	< 0.010 U	

METHOD BLANK RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Hexavalent Chrome	08/10/10	mg/kg	< 0.400 U
Total Solids	08/04/10	Percent	< 0.01 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Hexavalent Chrome ERA #41065	SM3500Cr-D	07/30/10	mg/L	0.642	0.630	101.9%

STANDARD REFERENCE RESULTS-CONVENTIONALS
RG52-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Soluble Hexavalent Chrome	08/10/10	mg/kg	18.5	20.0	92.5%
Insoluble Hexavalent Chrome	08/10/10	mg/kg	920	944	97.5%
Soil Hexavalent Chrome					

Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 20, 2010

Tim Syverson
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Striker 0025195.020
ARI Job: RG63 – Second Revision

Dear Tim

Enclosed, please find the original Chain-of-Custody (COC) record, sample receipt documentation, and final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted five water samples and one trip blank in good condition on July 30, 2010. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form. Per Landau Associates, samples were allowed to settle and sample aliquot was collected from the clear portion.

The sample was analyzed for Dissolved Metals, Hexavalent Chrome, SVOCs, VOCs, NWTPH-Dx and NWTPH-Gx, as requested on the COC.

The VOC trip blank was analyzed from a compromised vial due to only receiving one vial, and the original attempt at analyzing the trip blank failing due to an autosampler error.

Acetone and 1,2,4-Trichlorobenzene were out of control high in the VOC LCS. They were in control in the LCSD. No further corrective action was required.

The SVOC CCALs from 08/10/10 and 08/11/10 were out of control low for 2,4-Dinitrophenol. The CCAL from 08/11/10 was additionally out of control low for 4-Nitrophenol. Associated samples with detections for these compounds have been flagged with a Q qualifier.

N-Nitrosodiphenylamine was out of control low in the SVOC LCS and LCSD. No further corrective action was required.

The soluble and insoluble matrix spikes were out of control low for Hexavalent Chrome. All other quality control measures were in control. No further corrective action was taken.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC

Eric Branson
Project Manager
-for-
Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Data Reporting Qualifiers

Effective 7/10/2009

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

Q Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20%Drift or minimum RRF).

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NR Spiked compound recovery is not reported due to chromatographic interference

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

M2 The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

RG63

LANDAU ASSOCIATES

☑ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

Chain-of-Custody Record

Date 07/30/10
Page 1 of 1

Project Name Striker Project No. 0025195.020
Project Location/Event Striker Property
Sampler's Name SED / PRR / CFB
Project Contact Joe Flaherty (Boeing) / Tim Syverson
Send Results To same

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs	NWTPH-Gx	NWTPH-Dx	SVOC	Total Metals	Cr6	Observations/Comments
KSC-DP-5-GW-100730	7/30/10	0810	H_2O	11	X	X	X	X	X	X	
KSC-DP-2-GW-100730	7/30/10	0946	H_2O	11	X	X	X	X	X	X	
KSC-DP-3-GW-100730	7/30/10	1025	H_2O	11	X	X	X	X	X	X	
KSC-DP-16-GW-100730	7/30/10	1220	H_2O	11	X	X	X	X	X	X	
KSC-DP-11-GW-100730	7/30/10	1321	H_2O	11	X	X	X	X	X	X	
Trip blanks			water		X	X					

Testing Parameters

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

X Dissolved metal water samples field filtered

Other Arsenic, Cadmium, Chromium, Cr-6 Cu, Pb, Mercury, Zinc

Special Shipment/Handling or Storage Requirements: store at 4°C 2 coolers

Method of Shipment: hand delivered

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name Dan Raymaker	Printed Name Mikkal Mulumba	Printed Name	Printed Name
Company Landau Assoc. Inc.	Company ARI	Company	Company
Date 7/30/10 Time 345	Date 7/30/10 Time 1515	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

RG63 : 000014

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Landau Project Name: Striker

COC No(s): RG63 (NA) Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other:

Assigned ARI Job No: RG63 Tracking No: (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)	10.6 0.4	

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#:

Cooler Accepted by: MM Date: 7/30/10 Time: 1515

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used?	Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other:		
Was sufficient ice used (if appropriate)?		NA	(YES) NO
Were all bottles sealed in individual plastic bags?			(YES) (NO)
Did all bottles arrive in good condition (unbroken)?			(YES) NO
Were all bottle labels complete and legible?			(YES) NO
Did the number of containers listed on COC match with the number of containers received?			(YES) NO
Did all bottle labels and tags agree with custody papers?			(YES) NO
Were all bottles used correct for the requested analyses?			(YES) NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)		NA	(YES) NO
Were all VOC vials free of air bubbles?		NA	(YES) NO
Was sufficient amount of sample sent in each bottle?			(YES) NO
Date VOC Trip Blank was made at ARI		(NA)	

Was Sample Split by ARI : (NA) YES Date/Time: Equipment: Split by:

Samples Logged by: MM Date: 8/2/10 Time: 1000

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

Only 1 trip Blank vial was provided for VOA and Gas analysis.

By: MM Date: 8/2/10

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
• • •	• • •	● ● ●

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

Cooler#: 1 of 2 Temperature(°C): 8.4 10.6

Sample ID	Bottle Count	Bottle Type
ALL SAMPLES OUT OF TEMP COMPLIANCE		

Cooler#: _____ Temperature(°C): _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ Temperature(°C): _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ Temperature(°C): _____

Sample ID	Bottle Count	Bottle Type

Completed by: UMN Date: 8/2/10 Time: 100

PRESERVATION VERIFICATION 08/02/10
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **RG63**

Inquiry Number: NONE
Analysis Requested: 07/30/10
Contact: Syverson, Tim
Client: Landau Associates, Inc.
Logged by: MM
Sample Set Used: Yes-481
Validatable Package: No
Deliverables:

PC: Kelly
VTSR: 07/30/10

Project #: 0025195.020
Project: Striker
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-18374 **RG63A**	KSC-DP-5-GW-100730						TOT															
10-18375 **RG63B**	KSC-DP-2-GW-100730						TOT															
10-18376 **RG63C**	KSC-DP-3-GW-100730						TOT															
10-18377 **RG63D**	KSC-DP-16-GW-100730						TOT															
10-18378 **RG63E**	KSC-DP-11-GW-100730						TOT															

pass

RG63 : 0095 7

Checked By _____ Date 8/2/10

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-5-GW-100730**
 SAMPLE

Lab Sample ID: RG63A
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 15:13

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	**Toluene**	**0.2**	**0.2**	
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG63A
LIMS ID: 10-18374
Matrix: Water
Date Analyzed: 08/11/10 15:13

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.7%
d8-Toluene	100%
Bromofluorobenzene	98.5%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-2-GW-100730**
 SAMPLE

Lab Sample ID: RG63B
LIMS ID: 10-18375
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 15:39

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.3**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.8**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**23**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG63B
LIMS ID: 10-18375
Matrix: Water
Date Analyzed: 08/11/10 15:39

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.7%
d8-Toluene	99.8%
Bromofluorobenzene	98.3%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-3-GW-100730**
Page 1 of 2 **SAMPLE**

Lab Sample ID: RG63C
LIMS ID: 10-18376
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 16:04

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.2**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG63C
LIMS ID: 10-18376
Matrix: Water
Date Analyzed: 08/11/10 16:04

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	**1,3,5-Trimethylbenzene**	**0.2**	**0.5**	
95-63-6	**1,2,4-Trimethylbenzene**	**0.2**	**2.6**	
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	**n-Propylbenzene**	**0.2**	**0.3**	
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	**sec-Butylbenzene**	**0.2**	**0.2**	
99-87-6	**4-Isopropyltoluene**	**0.2**	**0.3**	
104-51-8	**n-Butylbenzene**	**0.2**	**0.6**	
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	**Naphthalene**	**0.5**	**2.1**	
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	97.2%
Bromofluorobenzene	98.8%
d4-1,2-Dichlorobenzene	105%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-16-GW-100730**
 SAMPLE

Lab Sample ID: RG63D
LIMS ID: 10-18377
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 16:29

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	**Vinyl Chloride**	**0.2**	**1.8**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	**Acetone**	**5.0**	**5.8**	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.0**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG63D
LIMS ID: 10-18377
Matrix: Water
Date Analyzed: 08/11/10 16:29

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	99.7%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-11-GW-100730**
 SAMPLE

Lab Sample ID: RG63E
LIMS ID: 10-18378
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 16:54

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG63E
LIMS ID: 10-18378
Matrix: Water
Date Analyzed: 08/11/10 16:54

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	98.5%
Bromofluorobenzene	99.7%
d4-1,2-Dichlorobenzene	105%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: TRIP BLANK SAMPLE**

Lab Sample ID: RG63F
LIMS ID: 10-18379
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 13:33

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG63F
LIMS ID: 10-18379
Matrix: Water
Date Analyzed: 08/11/10 13:33

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%
d8-Toluene	97.3%
Bromofluorobenzene	99.3%
d4-1,2-Dichlorobenzene	110%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-081110	Method Blank	10	101%	101%	98.5%	103%	0
LCS-081110	Lab Control	10	104%	101%	105%	104%	0
LCSD-081110	Lab Control Dup	10	104%	99.5%	96.4%	97.9%	0
RG63A	KSC-DP-5-GW-100730	10	99.7%	100%	98.5%	104%	0
RG63B	KSC-DP-2-GW-100730	10	99.7%	99.8%	98.3%	104%	0
RG63C	KSC-DP-3-GW-100730	10	101%	97.2%	98.8%	105%	0
RG63D	KSC-DP-16-GW-100730	10	102%	99.7%	101%	104%	0
RG63E	KSC-DP-11-GW-100730	10	103%	98.5%	99.7%	105%	0
RG63F	TRIP BLANK	10	114%	97.3%	99.3%	110%	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	70-132	80-143
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-18374 to 10-18379

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081110**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-081110
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT10/PKC
LCSD: NT10/PKC
Date Analyzed LCS: 08/11/10 12:09
LCSD: 08/11/10 12:34

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	9.7	10.0	97.0%	9.0	10.0	90.0%	7.5%
Bromomethane	11.7	10.0	117%	10.0	10.0	100%	15.7%
Vinyl Chloride	10.2	10.0	102%	9.7	10.0	97.0%	5.0%
Chloroethane	12.5	10.0	125%	9.5	10.0	95.0%	27.3%
Methylene Chloride	9.5	10.0	95.0%	8.9	10.0	89.0%	6.5%
Acetone	66.1	50.0	132%	49.1	50.0	98.2%	29.5%
Carbon Disulfide	10.8	10.0	108%	9.8	10.0	98.0%	9.7%
1,1-Dichloroethene	10.4	10.0	104%	9.6	10.0	96.0%	8.0%
1,1-Dichloroethane	9.9	10.0	99.0%	9.2	10.0	92.0%	7.3%
trans-1,2-Dichloroethene	9.7	10.0	97.0%	9.1	10.0	91.0%	6.4%
cis-1,2-Dichloroethene	9.7	10.0	97.0%	9.0	10.0	90.0%	7.5%
Chloroform	9.7	10.0	97.0%	9.2	10.0	92.0%	5.3%
1,2-Dichloroethane	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
2-Butanone	57.4	50.0	115%	50.7	50.0	101%	12.4%
1,1,1-Trichloroethane	9.8	10.0	98.0%	9.1	10.0	91.0%	7.4%
Carbon Tetrachloride	9.7	10.0	97.0%	9.2	10.0	92.0%	5.3%
Vinyl Acetate	10.2	10.0	102%	9.9	10.0	99.0%	3.0%
Bromodichloromethane	9.9	10.0	99.0%	9.5	10.0	95.0%	4.1%
1,2-Dichloropropane	9.9	10.0	99.0%	9.7	10.0	97.0%	2.0%
cis-1,3-Dichloropropene	9.9	10.0	99.0%	9.7	10.0	97.0%	2.0%
Trichloroethene	9.8	10.0	98.0%	9.3	10.0	93.0%	5.2%
Dibromochloromethane	9.9	10.0	99.0%	9.8	10.0	98.0%	1.0%
1,1,2-Trichloroethane	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Benzene	10.0	10.0	100%	9.6	10.0	96.0%	4.1%
trans-1,3-Dichloropropene	11.6	10.0	116%	11.4	10.0	114%	1.7%
2-Chloroethylvinylether	9.9	10.0	99.0%	10.3	10.0	103%	4.0%
Bromoform	9.4	10.0	94.0%	10.4	10.0	104%	10.1%
4-Methyl-2-Pentanone (MIBK)	55.2	50.0	110%	53.8	50.0	108%	2.6%
2-Hexanone	52.2	50.0	104%	56.0	50.0	112%	7.0%
Tetrachloroethene	9.7	10.0	97.0%	9.8	10.0	98.0%	1.0%
1,1,2,2-Tetrachloroethane	9.7	10.0	97.0%	10.0	10.0	100%	3.0%
Toluene	10.0	10.0	100%	9.6	10.0	96.0%	4.1%
Chlorobenzene	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Ethylbenzene	10.0	10.0	100%	9.9	10.0	99.0%	1.0%
Styrene	10.6	10.0	106%	10.0	10.0	100%	5.8%
Trichlorofluoromethane	11.2	10.0	112%	9.6	10.0	96.0%	15.4%
1,1,2-Trichloro-1,2,2-trifluoroetha	10.9	10.0	109%	10.0	10.0	100%	8.6%
m,p-Xylene	21.1	20.0	106%	20.2	20.0	101%	4.4%
o-Xylene	10.5	10.0	105%	9.6	10.0	96.0%	9.0%
1,2-Dichlorobenzene	10.4	10.0	104%	9.6	10.0	96.0%	8.0%
1,3-Dichlorobenzene	10.2	10.0	102%	9.9	10.0	99.0%	3.0%
1,4-Dichlorobenzene	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Acrolein	55.9	50.0	112%	50.4	50.0	101%	10.3%
Methyl Iodide	10.8	10.0	108%	10.0	10.0	100%	7.7%
Bromoethane	10.4	10.0	104%	9.8	10.0	98.0%	5.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081110**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-081110 QC Report No: RG63-Landau Associates, Inc.
LIMS ID: 10-18374 Project: Striker
Matrix: Water 0025195.020

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrylonitrile	11.3	10.0	113%	9.8	10.0	98.0%	14.2%
1,1-Dichloropropene	9.7	10.0	97.0%	9.3	10.0	93.0%	4.2%
Dibromomethane	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
1,1,1,2-Tetrachloroethane	10.5	10.0	105%	9.7	10.0	97.0%	7.9%
1,2-Dibromo-3-chloropropane	10.7	10.0	107%	9.7	10.0	97.0%	9.8%
1,2,3-Trichloropropane	9.5	10.0	95.0%	10.5	10.0	105%	10.0%
trans-1,4-Dichloro-2-butene	10.2	10.0	102%	11.6	10.0	116%	12.8%
1,3,5-Trimethylbenzene	9.9	10.0	99.0%	9.9	10.0	99.0%	0.0%
1,2,4-Trimethylbenzene	10.2	10.0	102%	10.0	10.0	100%	2.0%
Hexachlorobutadiene	12.2	10.0	122%	8.2	10.0	82.0%	39.2%
Ethylene Dibromide	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
Bromochloromethane	9.9	10.0	99.0%	9.2	10.0	92.0%	7.3%
2,2-Dichloropropane	9.8	10.0	98.0%	9.0	10.0	90.0%	8.5%
1,3-Dichloropropane	9.6	10.0	96.0%	10.2	10.0	102%	6.1%
Isopropylbenzene	9.7	10.0	97.0%	10.5	10.0	105%	7.9%
n-Propylbenzene	10.0	10.0	100%	10.6	10.0	106%	5.8%
Bromobenzene	9.1	10.0	91.0%	10.0	10.0	100%	9.4%
2-Chlorotoluene	9.7	10.0	97.0%	10.1	10.0	101%	4.0%
4-Chlorotoluene	9.6	10.0	96.0%	10.2	10.0	102%	6.1%
tert-Butylbenzene	10.1	10.0	101%	9.8	10.0	98.0%	3.0%
sec-Butylbenzene	10.8	10.0	108%	10.0	10.0	100%	7.7%
4-Isopropyltoluene	10.7	10.0	107%	9.8	10.0	98.0%	8.8%
n-Butylbenzene	11.1	10.0	111%	9.8	10.0	98.0%	12.4%
1,2,4-Trichlorobenzene	12.3	10.0	123%	8.6	10.0	86.0%	35.4%
Naphthalene	12.0	10.0	120%	8.8	10.0	88.0%	30.8%
1,2,3-Trichlorobenzene	12.6	10.0	126%	8.1	10.0	81.0%	43.5%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	104%	104%
d8-Toluene	101%	99.5%
Bromofluorobenzene	105%	96.4%
d4-1,2-Dichlorobenzene	104%	97.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081110**
Page 1 of 2 **METHOD BLANK**

Lab Sample ID: MB-081110
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 13:00

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081110**
 METHOD BLANK

Lab Sample ID: MB-081110 QC Report No: RG63-Landau Associates, Inc.
LIMS ID: 10-18374 Project: Striker
Matrix: Water 0025195.020
Date Analyzed: 08/11/10 13:00

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	101%
Bromofluorobenzene	98.5%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-5-GW-100730
SAMPLE

Lab Sample ID: RG63A
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 22:26
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: RG63A
LIMS ID: 10-18374
Matrix: Water
Date Analyzed: 08/10/10 22:26

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**1.0**	**2.0**
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.6%	2-Fluorobiphenyl	62.8%
d14-p-Terphenyl	68.8%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	64.8%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	85.6%	d4-2-Chlorophenol	65.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-2-GW-100730
SAMPLE

Lab Sample ID: RG63B
LIMS ID: 10-18375
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 22:59
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: RG63B
LIMS ID: 10-18375
Matrix: Water
Date Analyzed: 08/10/10 22:59

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.0%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	62.4%	d4-1,2-Dichlorobenzene	58.4%
d5-Phenol	63.2%	2-Fluorophenol	60.0%
2,4,6-Tribromophenol	79.5%	d4-2-Chlorophenol	64.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-3-GW-100730
SAMPLE

Lab Sample ID: RG63C
LIMS ID: 10-18376
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/05/10
Date Analyzed: 08/11/10 14:53
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	**2-Methylnaphthalene**	**1.0**	**1.3**
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: RG63C
LIMS ID: 10-18376
Matrix: Water
Date Analyzed: 08/11/10 14:53

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	**1-Methylnaphthalene**	**1.0**	**3.1**

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	66.4%
d14-p-Terphenyl	86.4%	d4-1,2-Dichlorobenzene	58.8%
d5-Phenol	68.3%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	85.9%	d4-2-Chlorophenol	66.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-16-GW-100730
SAMPLE

Lab Sample ID: RG63D
LIMS ID: 10-18377
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/05/10
Date Analyzed: 08/11/10 15:26
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: RG63D
LIMS ID: 10-18377
Matrix: Water
Date Analyzed: 08/11/10 15:26

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	68.8%
d14-p-Terphenyl	82.4%	d4-1,2-Dichlorobenzene	64.4%
d5-Phenol	70.9%	2-Fluorophenol	67.2%
2,4,6-Tribromophenol	84.3%	d4-2-Chlorophenol	70.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-11-GW-100730
SAMPLE

Lab Sample ID: RG63E
LIMS ID: 10-18378
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/05/10
Date Analyzed: 08/11/10 15:59
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

Lab Sample ID: RG63E
LIMS ID: 10-18378
Matrix: Water
Date Analyzed: 08/11/10 15:59

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.2%	2-Fluorobiphenyl	64.8%
d14-p-Terphenyl	72.0%	d4-1,2-Dichlorobenzene	60.8%
d5-Phenol	66.1%	2-Fluorophenol	62.7%
2,4,6-Tribromophenol	84.0%	d4-2-Chlorophenol	64.3%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-080510	75.6%	67.6%	85.2%	63.6%	75.5%	73.9%	94.9%	75.7%	0
LCS-080510	76.4%	67.2%	80.8%	67.6%	76.8%	73.9%	87.2%	74.9%	0
LCSD-080510	74.4%	66.4%	80.8%	64.4%	76.3%	71.5%	87.2%	72.8%	0
KSC-DP-5-GW-100730	65.6%	62.8%	68.8%	60.0%	64.8%	62.9%	85.6%	65.3%	0
KSC-DP-2-GW-100730	66.0%	63.2%	62.4%	58.4%	63.2%	60.0%	79.5%	64.5%	0
KSC-DP-3-GW-100730	68.0%	66.4%	86.4%	58.8%	68.3%	62.9%	85.9%	66.1%	0
KSC-DP-16-GW-10073	72.0%	68.8%	82.4%	64.4%	70.9%	67.2%	84.3%	70.1%	0
KSC-DP-11-GW-10073	65.2%	64.8%	72.0%	60.8%	66.1%	62.7%	84.0%	64.3%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-100)	(39-100)
(FBP) = 2-Fluorobiphenyl	(49-100)	(42-100)
(TPH) = d14-p-Terphenyl	(53-119)	(26-114)
(DCB) = d4-1,2-Dichlorobenzene	(38-100)	(32-100)
(PHL) = d5-Phenol	(50-100)	(41-100)
(2FP) = 2-Fluorophenol	(46-100)	(38-100)
(TBP) = 2,4,6-Tribromophenol	(52-123)	(48-118)
(2CP) = d4-2-Chlorophenol	(53-100)	(44-100)

Prep Method: SW3520C
Log Number Range: 10-18374 to 10-18378

FORM-II SW8270

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/10/10 21:21
LCSD: 08/10/10 21:53
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ
GPC Cleanup: NO

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Analyte	LCS		Spike Added-LCS	LCS Recovery	LCSD		Spike Added-LCSD	LCSD Recovery	RPD
Phenol	16.2		25.0	64.8%	16.4		25.0	65.6%	1.2%
Bis-(2-Chloroethyl) Ether	16.2		25.0	64.8%	16.3		25.0	65.2%	0.6%
2-Chlorophenol	15.2		25.0	60.8%	15.3		25.0	61.2%	0.7%
1,3-Dichlorobenzene	10.9		25.0	43.6%	11.1		25.0	44.4%	1.8%
1,4-Dichlorobenzene	10.9		25.0	43.6%	11.1		25.0	44.4%	1.8%
Benzyl Alcohol	48.6		50.0	97.2%	49.0		50.0	98.0%	0.8%
1,2-Dichlorobenzene	11.5		25.0	46.0%	11.7		25.0	46.8%	1.7%
2-Methylphenol	15.4		25.0	61.6%	15.5		25.0	62.0%	0.6%
2,2'-Oxybis(1-Chloropropane)	16.9		25.0	67.6%	17.2		25.0	68.8%	1.8%
4-Methylphenol	31.8		50.0	63.6%	32.4		50.0	64.8%	1.9%
N-Nitroso-Di-N-Propylamine	15.9		25.0	63.6%	15.5		25.0	62.0%	2.5%
Hexachloroethane	10.3		25.0	41.2%	10.4		25.0	41.6%	1.0%
Nitrobenzene	15.1		25.0	60.4%	15.4		25.0	61.6%	2.0%
Isophorone	18.2		25.0	72.8%	18.3		25.0	73.2%	0.5%
2-Nitrophenol	16.0		25.0	64.0%	16.1		25.0	64.4%	0.6%
2,4-Dimethylphenol	8.3		25.0	33.2%	9.3		25.0	37.2%	10.5%
Benzoic Acid	63.6		75.0	84.8%	64.4		75.0	85.9%	1.2%
bis(2-Chloroethoxy) Methane	16.4		25.0	65.6%	16.0		25.0	64.0%	2.5%
2,4-Dichlorophenol	15.8		25.0	63.2%	16.1		25.0	64.4%	1.9%
1,2,4-Trichlorobenzene	11.1		25.0	44.4%	11.3		25.0	45.2%	1.8%
Naphthalene	14.1		25.0	56.4%	14.5		25.0	58.0%	2.8%
4-Chloroaniline	44.9		60.0	74.8%	45.2		60.0	75.3%	0.7%
Hexachlorobutadiene	10.4		25.0	41.6%	10.5		25.0	42.0%	1.0%
4-Chloro-3-methylphenol	17.0		25.0	68.0%	16.8		25.0	67.2%	1.2%
2-Methylnaphthalene	14.8		25.0	59.2%	14.9		25.0	59.6%	0.7%
Hexachlorocyclopentadiene	15.0		75.0	20.0%	16.2		75.0	21.6%	7.7%
2,4,6-Trichlorophenol	15.2		25.0	60.8%	16.6		25.0	66.4%	8.8%
2,4,5-Trichlorophenol	15.9		25.0	63.6%	16.1		25.0	64.4%	1.2%
2-Chloronaphthalene	13.8		25.0	55.2%	13.7		25.0	54.8%	0.7%
2-Nitroaniline	18.0		25.0	72.0%	18.6		25.0	74.4%	3.3%
Dimethylphthalate	15.3		25.0	61.2%	15.7		25.0	62.8%	2.6%
Acenaphthylene	14.3		25.0	57.2%	14.5		25.0	58.0%	1.4%
3-Nitroaniline	50.1		64.0	78.3%	51.7		64.0	80.8%	3.1%
Acenaphthene	14.1		25.0	56.4%	14.6		25.0	58.4%	3.5%
2,4-Dinitrophenol	70.2	Q	75.0	93.6%	73.8	Q	75.0	98.4%	5.0%
4-Nitrophenol	12.9		25.0	51.6%	13.0		25.0	52.0%	0.8%
Dibenzofuran	16.0		25.0	64.0%	16.3		25.0	65.2%	1.9%
2,6-Dinitrotoluene	15.5		25.0	62.0%	16.2		25.0	64.8%	4.4%
2,4-Dinitrotoluene	16.6		25.0	66.4%	17.4		25.0	69.6%	4.7%
Diethylphthalate	15.8		25.0	63.2%	16.3		25.0	65.2%	3.1%
4-Chlorophenyl-phenylether	14.4		25.0	57.6%	14.8		25.0	59.2%	2.7%
Fluorene	15.8		25.0	63.2%	16.2		25.0	64.8%	2.5%
4-Nitroaniline	15.0		25.0	60.0%	15.9		25.0	63.6%	5.8%
4,6-Dinitro-2-Methylphenol	59.7		75.0	79.6%	61.8		75.0	82.4%	3.5%
N-Nitrosodiphenylamine	12.4		25.0	49.6%	12.4		25.0	49.6%	0.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: LCS-080510**
 LCS/LCSD

Lab Sample ID: LCS-080510 QC Report No: RG63-Landau Associates, Inc.
LIMS ID: 10-18374 Project: Striker
Matrix: Water 0025195.020
Date Analyzed LCS: 08/10/10 21:21
LCSD: 08/10/10 21:53

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
4-Bromophenyl-phenylether	14.5	25.0	58.0%	14.8	25.0	59.2%	2.0%
Hexachlorobenzene	15.2	25.0	60.8%	15.6	25.0	62.4%	2.6%
Pentachlorophenol	11.8	25.0	47.2%	11.8	25.0	47.2%	0.0%
Phenanthrene	16.1	25.0	64.4%	16.3	25.0	65.2%	1.2%
Carbazole	15.5	25.0	62.0%	16.0	25.0	64.0%	3.2%
Anthracene	15.1	25.0	60.4%	15.4	25.0	61.6%	2.0%
Di-n-Butylphthalate	16.5	25.0	66.0%	16.9	25.0	67.6%	2.4%
Fluoranthene	18.1	25.0	72.4%	18.6	25.0	74.4%	2.7%
Pyrene	17.0	25.0	68.0%	17.5	25.0	70.0%	2.9%
Butylbenzylphthalate	15.5	25.0	62.0%	16.0	25.0	64.0%	3.2%
3,3'-Dichlorobenzidine	39.6	64.0	61.9%	38.8	64.0	60.6%	2.0%
Benzo(a)anthracene	17.4	25.0	69.6%	18.1	25.0	72.4%	3.9%
bis(2-Ethylhexyl)phthalate	16.3	25.0	65.2%	17.7	25.0	70.8%	8.2%
Chrysene	17.4	25.0	69.6%	17.8	25.0	71.2%	2.3%
Di-n-Octyl phthalate	16.1	25.0	64.4%	16.3	25.0	65.2%	1.2%
Benzo(b)fluoranthene	18.5	25.0	74.0%	16.8	25.0	67.2%	9.6%
Benzo(k)fluoranthene	17.3	25.0	69.2%	17.1	25.0	68.4%	1.2%
Benzo(a)pyrene	13.9	25.0	55.6%	14.2	25.0	56.8%	2.1%
Indeno(1,2,3-cd)pyrene	12.1	25.0	48.4%	12.0	25.0	48.0%	0.8%
Dibenz(a,h)anthracene	13.3	25.0	53.2%	13.2	25.0	52.8%	0.8%
Benzo(g,h,i)perylene	10.3	25.0	41.2%	10.3	25.0	41.2%	0.0%
1-Methylnaphthalene	15.2	25.0	60.8%	15.0	25.0	60.0%	1.3%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	76.4%	74.4%
2-Fluorobiphenyl	67.2%	66.4%
d14-p-Terphenyl	80.8%	80.8%
d4-1,2-Dichlorobenzene	67.6%	64.4%
d5-Phenol	76.8%	76.3%
2-Fluorophenol	73.9%	71.5%
2,4,6-Tribromophenol	87.2%	87.2%
d4-2-Chlorophenol	74.9%	72.8%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized: VTS
Reported: 08/20/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 20:48
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18374
Matrix: Water
Date Analyzed: 08/10/10 20:48

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

CAS Number	Analyte	RL	Result
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	85.2%	d4-1,2-Dichlorobenzene	63.6%
d5-Phenol	75.5%	2-Fluorophenol	73.9%
2,4,6-Tribromophenol	94.9%	d4-2-Chlorophenol	75.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Water

Data Release Authorized:
Reported: 08/10/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
Event: 0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

ARI ID	Client ID	Analysis Date	DL	Range	Result
MB-080410	Method Blank	08/04/10	1.0	Gasoline	< 0.25 U
10-18374		PID3		HC ID	---
				Trifluorotoluene	101%
				Bromobenzene	102%
RG63A	KSC-DP-5-GW-100730	08/04/10	1.0	Gasoline	< 0.25 U
10-18374		PID3		HC ID	---
				Trifluorotoluene	100%
				Bromobenzene	101%
RG63B	KSC-DP-2-GW-100730	08/04/10	1.0	Gasoline	< 0.25 U
10-18375		PID3		HC ID	---
				Trifluorotoluene	109%
				Bromobenzene	108%
RG63C	KSC-DP-3-GW-100730	08/04/10	1.0	**Gasoline**	**0.36**
10-18376		PID3		HC ID	GRO
				Trifluorotoluene	105%
				Bromobenzene	103%
RG63D	KSC-DP-16-GW-100730	08/04/10	1.0	Gasoline	< 0.25 U
10-18377		PID3		HC ID	---
				Trifluorotoluene	101%
				Bromobenzene	100%
RG63E	KSC-DP-11-GW-100730	08/04/10	1.0	Gasoline	< 0.25 U
10-18378		PID3		HC ID	---
				Trifluorotoluene	102%
				Bromobenzene	99.9%

Gasoline values reported in mg/L (ppm)

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

ANALYTICAL RESOURCES INCORPORATED

TPHG WATER SURROGATE RECOVERY SUMMARY

ARI Job: RG63
Matrix: Water

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
Event: 0025195.020

Client ID	TFT	BBZ	TOT OUT
MB-080410	101%	102%	0
LCS-080410	102%	101%	0
LCSD-080410	103%	103%	0
KSC-DP-5-GW-100730	100%	101%	0
KSC-DP-2-GW-100730	109%	108%	0
KSC-DP-3-GW-100730	105%	103%	0
KSC-DP-16-GW-10073	101%	100%	0
KSC-DP-11-GW-10073	102%	99.9%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(80-120)	(80-120)
(BBZ) = Bromobenzene	(80-120)	(80-120)

Log Number Range: 10-18374 to 10-18378

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: LCS-080410
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080410
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
Event: 0025195.020
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/04/10 07:47
LCSD: 08/04/10 08:11
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL
Dilution Factor LCS: 1.0
LCSD: 1.0

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	1.01	1.00	101%	1.00	1.00	100%	1.0%

Reported in mg/L (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	102%	103%
Bromobenzene	101%	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Water

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

Data Release Authorized:
Reported: 08/05/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-080310	Method Blank	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18374	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		74.5%
RG63A	KSC-DP-5-GW-100730	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18374	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		91.5%
RG63B	KSC-DP-2-GW-100730	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18375	HC ID: **MOTOR OIL**		FID3B	1.0	**Motor Oil**	**0.20**	**0.27**
					o-Terphenyl		93.0%
RG63C	KSC-DP-3-GW-100730	08/03/10	08/04/10	1.00	**Diesel**	**0.10**	**0.11**
10-18376	HC ID: **DRO**		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		83.4%
RG63D	KSC-DP-16-GW-100730	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18377	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		95.3%
RG63E	KSC-DP-11-GW-100730	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18378	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		94.9%

Reported in mg/L (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

FORM I

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

Client ID	OTER	TOT OUT
MB-080310	74.5%	0
LCS-080310	82.9%	0
LCSD-080310	84.4%	0
KSC-DP-5-GW-100730	91.5%	0
KSC-DP-2-GW-100730	93.0%	0
KSC-DP-3-GW-100730	83.4%	0
KSC-DP-16-GW-100730	95.3%	0
KSC-DP-11-GW-100730	94.9%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(51-120)	(41-121)

Prep Method: SW3510C
Log Number Range: 10-18374 to 10-18378

FORM-II TPHD

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-080310**
Page 1 of 1 **LCS/LCSD**

Lab Sample ID: LCS-080310
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/05/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted LCS/LCSD: 08/03/10
Date Analyzed LCS: 08/04/10 20:10
LCSD: 08/04/10 20:29
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	1.86	3.00	62.0%	1.95	3.00	65.0%	4.7%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	82.9%	84.4%

Results reported in mg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: RG63
Matrix: Water Project: Striker
Date Received: 07/30/10 0025195.020

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
10-18374-080310MB1	Method Blank	500 mL	1.00 mL	08/03/10
10-18374-080310LCS1	Lab Control	500 mL	1.00 mL	08/03/10
10-18374-080310LCSD1	Lab Control Dup	500 mL	1.00 mL	08/03/10
10-18374-RG63A	KSC-DP-5-GW-100730	500 mL	1.00 mL	08/03/10
10-18375-RG63B	KSC-DP-2-GW-100730	500 mL	1.00 mL	08/03/10
10-18376-RG63C	KSC-DP-3-GW-100730	500 mL	1.00 mL	08/03/10
10-18377-RG63D	KSC-DP-16-GW-100730	500 mL	1.00 mL	08/03/10
10-18378-RG63E	KSC-DP-11-GW-100730	500 mL	1.00 mL	08/03/10

Diesel Extraction Report

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-5-GW-100730
SAMPLE

Lab Sample ID: RG63A
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
6010B	08/03/10	6010B	08/10/10	**7440-38-2**	**Arsenic**	0.05	**0.12**	
6010B	08/03/10	6010B	08/10/10	7440-43-9	Cadmium	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7440-47-3	Chromium	0.005	0.005	U
6010B	08/03/10	6010B	08/10/10	7440-50-8	Copper	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7439-92-1	Lead	0.02	0.02	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.0001	0.0001	U
6010B	08/03/10	6010B	08/10/10	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-2-GW-100730
SAMPLE

Lab Sample ID: RG63B
LIMS ID: 10-18375
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
6010B	08/03/10	6010B	08/10/10	7440-38-2	Arsenic	0.05	0.05	U
6010B	08/03/10	6010B	08/10/10	7440-43-9	Cadmium	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7440-47-3	Chromium	0.005	0.005	U
6010B	08/03/10	6010B	08/10/10	7440-50-8	Copper	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7439-92-1	Lead	0.02	0.02	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.0001	0.0001	U
6010B	08/03/10	6010B	08/10/10	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-3-GW-100730
SAMPLE

Lab Sample ID: RG63C
LIMS ID: 10-18376
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
6010B	08/03/10	6010B	08/10/10	7440-38-2	Arsenic	0.05	0.05	U
6010B	08/03/10	6010B	08/10/10	7440-43-9	Cadmium	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7440-47-3	Chromium	0.005	0.005	U
6010B	08/03/10	6010B	08/10/10	7440-50-8	Copper	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7439-92-1	Lead	0.02	0.02	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.0001	0.0001	U
6010B	08/03/10	6010B	08/10/10	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: KSC-DP-16-GW-100730
SAMPLE

Lab Sample ID: RG63D
LIMS ID: 10-18377
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
6010B	08/03/10	6010B	08/10/10	**7440-38-2**	**Arsenic**	0.05	**0.06**	
6010B	08/03/10	6010B	08/10/10	7440-43-9	Cadmium	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7440-47-3	Chromium	0.005	0.005	U
6010B	08/03/10	6010B	08/10/10	7440-50-8	Copper	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7439-92-1	Lead	0.02	0.02	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.0001	0.0001	U
6010B	08/03/10	6010B	08/10/10	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-11-GW-100730
SAMPLE

Lab Sample ID: RG63E
LIMS ID: 10-18378
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
6010B	08/03/10	6010B	08/10/10	7440-38-2	Arsenic	0.05	0.05	U
6010B	08/03/10	6010B	08/10/10	7440-43-9	Cadmium	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7440-47-3	Chromium	0.005	0.005	U
6010B	08/03/10	6010B	08/10/10	7440-50-8	Copper	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7439-92-1	Lead	0.02	0.02	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.0001	0.0001	U
6010B	08/03/10	6010B	08/10/10	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: RG63LCS
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	1.95	2.00	97.5%	
Cadmium	6010B	0.490	0.500	98.0%	
Chromium	6010B	0.493	0.500	98.6%	
Copper	6010B	0.475	0.500	95.0%	
Lead	6010B	1.90	2.00	95.0%	
Mercury	7470A	0.0020	0.0020	100%	
Zinc	6010B	0.49	0.50	98.0%	

Reported in mg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: METHOD BLANK

Lab Sample ID: RG63MB
LIMS ID: 10-18374
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
6010B	08/03/10	6010B	08/10/10	7440-38-2	Arsenic	0.05	0.05	U
6010B	08/03/10	6010B	08/10/10	7440-43-9	Cadmium	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7440-47-3	Chromium	0.005	0.005	U
6010B	08/03/10	6010B	08/10/10	7440-50-8	Copper	0.002	0.002	U
6010B	08/03/10	6010B	08/10/10	7439-92-1	Lead	0.02	0.02	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.0001	0.0001	U
6010B	08/03/10	6010B	08/10/10	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
Hexavalent Chrome by Method SM3500Cr-D

Data Release Authorized:
Reported: 08/10/10
Date Received: 07/30/10
Page 1 of 1

QC Report No: RG63-Landau Associates, Inc.
Project: Striker
0025195.020

Client/ ARI ID	Date Sampled	Matrix	Analysis Date & Batch	RL	Result
KSC-DP-5-GW-100730 RG63A 10-18374	07/30/10	Water	07/30/10 15:45 073010#1	0.010	0.049
KSC-DP-2-GW-100730 RG63B 10-18375	07/30/10	Water	07/30/10 15:45 073010#1	0.010	0.040
KSC-DP-3-GW-100730 RG63C 10-18376	07/30/10	Water	07/30/10 15:45 073010#1	0.010	0.032
KSC-DP-16-GW-100730 RG63D 10-18377	07/30/10	Water	07/30/10 15:45 073010#1	0.010	0.038
KSC-DP-11-GW-100730 RG63E 10-18378	07/30/10	Water	07/30/10 15:45 073010#1	0.010	0.040

Reported in mg/L

RL-Analytical reporting limit
U-Undetected at reported detection limit

MS/MSD RESULTS-CONVENTIONALS
RG63-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/10/10

Project: Striker
Event: 0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: RG63A Client ID: KSC-DP-5-GW-100730						
Hexavalent Chrome	07/30/10	mg/L	0.049	0.049	0.627	0.0%
Hexavalent Chrome	07/30/10	mg/L	0.049	0.049	0.627	0.0%

REPLICATE RESULTS-CONVENTIONALS
RG63-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/10/10

Project: Striker
Event: 0025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: RG63A Client ID: KSC-DP-5-GW-100730					
Hexavalent Chrome	07/30/10	mg/L	0.049	0.045	8.5%

METHOD BLANK RESULTS-CONVENTIONALS
RG63-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/10/10

Project: Striker
Event: 0025195.020
Date Sampled: NA
Date Received: NA

Analyte	Date/Time	Units	Blank
Hexavalent Chrome	07/30/10 15:45	mg/L	< 0.010 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
RG63-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Water
Data Release Authorized:
Reported: 08/10/10

Project: Striker
Event: 0025195.020
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date/Time	Units	SRM	True Value	Recovery
Hexavalent Chrome ERA #41065	07/30/10 15:45	mg/L	0.642	0.630	101.9%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 18, 2010

Tim Syverson
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Striker 025195.020.022
ARI Job: RG71 - Revised

Dear Tim

Enclosed, please find the original Chain-of-Custody (COC) record, sample receipt documentation, and final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted three soil samples and one trip blank in good condition on July 30, 2010. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for Total Metals, Hexavalent Chrome, SVOCs, VOCs, PCBs, NWTPH-Dx and NWTPH-Gx, as requested on the COC.

Bromomethane, 1,2,4-Trimethylbenzene, 4-Isopropyltoluene, and n-Butylbenzene were out of control high in the VOC CCAL. No further corrective action was required.

Bromomethane was out of control high in the VOC LCS and LCSD. Tert-Butylbenzene was additionally out of control high in the LCSD. There were no detections for these compounds in the samples. No further corrective action was taken.

The SVOC CCAL was out of control low for 2,4-Dinitrophenol and 4-Nitrophenol. No further corrective action was required.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC

Eric Branson
Project Manager
-for-
Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Data Reporting Qualifiers

Effective 7/10/2009

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

Q Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20%Drift or minimum RRF).

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NR Spiked compound recovery is not reported due to chromatographic interference

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

M2 The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

RG71

LANDAU ASSOCIATES

- [x] **Seattle/Edmonds** (425) 778-0907
- [ ] **Tacoma** (253) 926-2493
- [ ] **Spokane** (509) 327-9737
- [ ] **Portland** (503) 542-1080
- [ ] _____

Chain-of-Custody Record

Date 7/30/10

Page 1 of 1

Project Name Project Striker Project No. 025195.020.022

Project Location/Event Striker Property

Sampler's Name CFB

Project Contact Tim Syverson / Joe Flaherty (Boeing)

Send Results To " / " / Kathryn Hartley

Turnaround Time
- [x] Standard
- [ ] Accelerated
- [ ] _____

Sample I.D.	Date	Time	Matrix	No. of Containers	PCBs	Metals w/ Cr6	SVOC	TPH-Dx	TPH-Gx by 5035	VOCs by 5035						Observations/Comments
KSC-DP-16-S-7.5-8-100730	7/30/10	735	soil	7	X	X	X	X	X	X						
KSC-DP-11-S-5-5.5-100730	"	1045	soil	2	X	X	X	X	X	X						
CB ~~KSC-DP-13-S-~~		~~1125~~														
KSC-DP-13-S-4.5-5-100730	7/30/10	1125	soil	7	X	X	X	X	X	X						
Trip blanks			water						X	X						

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
- ___ non-preserved
- ___ preserved w/methanol
- ___ preserved w/sodium bisulfate
- ___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature [signature]	Signature	Signature
Printed Name Chris Burke	Printed Name Mikka Mulumby	Printed Name	Printed Name
Company Landau	Company ARI	Company	Company
Date 7/30/10 Time	Date 7/30/10 Time 1515	Date Time	Date Time

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

RG71-0994

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Landau

Project Name: Project Striker

COC No(s): _____ (NA)

Delivered by: Fed-Ex UPS Courier Hand Delivered Other:_____

Assigned ARI Job No: RG71

Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)	2.3	
If cooler temperature is out of compliance fill out form 00070F	Temp Gun ID#:_____	

Cooler Accepted by: WM Date: 7/30/10 Time: 1515

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used?	Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other:_____		
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	YES JM	(NO)
Was sufficient amount of sample sent in each bottle?		(YES)	(NO)
Date VOC Trip Blank was made at ARI	NA	7/23/10	

Was Sample Split by ARI : (NA) YES Date/Time:_____ Equipment:_____ Split by:_____

Samples Logged by: JM Date: 8/2/10 Time: 1010

***** Notify Project Manager of discrepancies or concerns *****

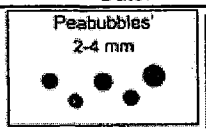
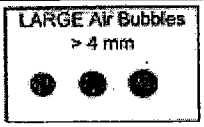
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC
KSC-DP-16-6.5-7-100730	KSC-DP-16-5-7.5-8-100730		

Additional Notes, Discrepancies, & Resolutions:

Trip Blank = 1g in 1 of 1

One vial was sent for Trip Blank. Logged for 8260

By: JM Date: 8/2/10

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
		

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C Sample ID: KSC-DP-16-S-7.5-8-100730
  SAMPLE

Lab Sample ID: RG71A
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/04/10 02:00

Sample Amount: 4.25 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 19.7%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.2	< 1.2	U
74-83-9	Bromomethane	1.2	< 1.2	U
75-01-4	Vinyl Chloride	1.2	< 1.2	U
75-00-3	Chloroethane	1.2	< 1.2	U
75-09-2	**Methylene Chloride**	**2.4**	**3.5**	
67-64-1	**Acetone**	**5.9**	**75**	
75-15-0	Carbon Disulfide	1.2	< 1.2	U
75-35-4	1,1-Dichloroethene	1.2	< 1.2	U
75-34-3	1,1-Dichloroethane	1.2	< 1.2	U
156-60-5	trans-1,2-Dichloroethene	1.2	< 1.2	U
156-59-2	**cis-1,2-Dichloroethene**	**1.2**	**1.9**	
67-66-3	Chloroform	1.2	< 1.2	U
107-06-2	1,2-Dichloroethane	1.2	< 1.2	U
78-93-3	**2-Butanone**	**5.9**	**12**	
71-55-6	1,1,1-Trichloroethane	1.2	< 1.2	U
56-23-5	Carbon Tetrachloride	1.2	< 1.2	U
108-05-4	Vinyl Acetate	5.9	< 5.9	U
75-27-4	Bromodichloromethane	1.2	< 1.2	U
78-87-5	1,2-Dichloropropane	1.2	< 1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	< 1.2	U
79-01-6	Trichloroethene	1.2	< 1.2	U
124-48-1	Dibromochloromethane	1.2	< 1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	< 1.2	U
71-43-2	**Benzene**	**1.2**	**1.4**	
10061-02-6	trans-1,3-Dichloropropene	1.2	< 1.2	U
110-75-8	2-Chloroethylvinylether	5.9	< 5.9	U
75-25-2	Bromoform	1.2	< 1.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.9	< 5.9	U
591-78-6	2-Hexanone	5.9	< 5.9	U
127-18-4	Tetrachloroethene	1.2	< 1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	< 1.2	U
108-88-3	**Toluene**	**1.2**	**2.9**	
108-90-7	Chlorobenzene	1.2	< 1.2	U
100-41-4	Ethylbenzene	1.2	< 1.2	U
100-42-5	Styrene	1.2	< 1.2	U
75-69-4	Trichlorofluoromethane	1.2	< 1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.4	< 2.4	U
179601-23-1	m,p-Xylene	1.2	< 1.2	U
95-47-6	o-Xylene	1.2	< 1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	< 1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	< 1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	< 1.2	U
107-02-8	Acrolein	59	< 59	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: KSC-DP-16-S-7.5-8-100730
SAMPLE

Lab Sample ID: RG71A
LIMS ID: 10-18380
Matrix: Soil
Date Analyzed: 08/04/10 02:00

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.2	< 1.2	U
74-96-4	Bromoethane	2.4	< 2.4	U
107-13-1	Acrylonitrile	5.9	< 5.9	U
563-58-6	1,1-Dichloropropene	1.2	< 1.2	U
74-95-3	Dibromomethane	1.2	< 1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	< 1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	< 5.9	U
96-18-4	1,2,3-Trichloropropane	2.4	< 2.4	U
110-57-6	trans-1,4-Dichloro-2-butene	5.9	< 5.9	U
108-67-8	1,3,5-Trimethylbenzene	1.2	< 1.2	U
95-63-6	1,2,4-Trimethylbenzene	1.2	< 1.2	U
87-68-3	Hexachlorobutadiene	5.9	< 5.9	U
106-93-4	Ethylene Dibromide	1.2	< 1.2	U
74-97-5	Bromochloromethane	1.2	< 1.2	U
594-20-7	2,2-Dichloropropane	1.2	< 1.2	U
142-28-9	1,3-Dichloropropane	1.2	< 1.2	U
98-82-8	Isopropylbenzene	1.2	< 1.2	U
103-65-1	n-Propylbenzene	1.2	< 1.2	U
108-86-1	Bromobenzene	1.2	< 1.2	U
95-49-8	2-Chlorotoluene	1.2	< 1.2	U
106-43-4	4-Chlorotoluene	1.2	< 1.2	U
98-06-6	tert-Butylbenzene	1.2	< 1.2	U
135-98-8	sec-Butylbenzene	1.2	< 1.2	U
99-87-6	4-Isopropyltoluene	1.2	< 1.2	U
104-51-8	n-Butylbenzene	1.2	< 1.2	U
120-82-1	1,2,4-Trichlorobenzene	5.9	< 5.9	U
91-20-3	Naphthalene	5.9	< 5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	< 5.9	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	129%
d8-Toluene	105%
Bromofluorobenzene	88.4%
d4-1,2-Dichlorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C
Page 1 of 2

Sample ID: KSC-DP-11-S-5-5.5-100730
SAMPLE

Lab Sample ID: RG71B
LIMS ID: 10-18381
Matrix: Soil
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/04/10 02:27

Sample Amount: 3.81 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 15.6%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.3	< 1.3	U
74-83-9	Bromomethane	1.3	< 1.3	U
75-01-4	Vinyl Chloride	1.3	< 1.3	U
75-00-3	Chloroethane	1.3	< 1.3	U
75-09-2	Methylene Chloride	2.6	< 2.6	U
67-64-1	**Acetone**	**6.6**	**57**	**M**
75-15-0	Carbon Disulfide	1.3	< 1.3	U
75-35-4	1,1-Dichloroethene	1.3	< 1.3	U
75-34-3	1,1-Dichloroethane	1.3	< 1.3	U
156-60-5	trans-1,2-Dichloroethene	1.3	< 1.3	U
156-59-2	cis-1,2-Dichloroethene	1.3	< 1.3	U
67-66-3	Chloroform	1.3	< 1.3	U
107-06-2	1,2-Dichloroethane	1.3	< 1.3	U
78-93-3	2-Butanone	6.6	< 6.6	U
71-55-6	1,1,1-Trichloroethane	1.3	< 1.3	U
56-23-5	Carbon Tetrachloride	1.3	< 1.3	U
108-05-4	Vinyl Acetate	6.6	< 6.6	U
75-27-4	Bromodichloromethane	1.3	< 1.3	U
78-87-5	1,2-Dichloropropane	1.3	< 1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	< 1.3	U
79-01-6	Trichloroethene	1.3	< 1.3	U
124-48-1	Dibromochloromethane	1.3	< 1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	< 1.3	U
71-43-2	Benzene	1.3	< 1.3	U
10061-02-6	trans-1,3-Dichloropropene	1.3	< 1.3	U
110-75-8	2-Chloroethylvinylether	6.6	< 6.6	U
75-25-2	Bromoform	1.3	< 1.3	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	6.6	< 6.6	U
591-78-6	2-Hexanone	6.6	< 6.6	U
127-18-4	Tetrachloroethene	1.3	< 1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	< 1.3	U
108-88-3	Toluene	1.3	< 1.3	U
108-90-7	Chlorobenzene	1.3	< 1.3	U
100-41-4	Ethylbenzene	1.3	< 1.3	U
100-42-5	Styrene	1.3	< 1.3	U
75-69-4	Trichlorofluoromethane	1.3	< 1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.6	< 2.6	U
179601-23-1	m,p-Xylene	1.3	< 1.3	U
95-47-6	o-Xylene	1.3	< 1.3	U
95-50-1	1,2-Dichlorobenzene	1.3	< 1.3	U
541-73-1	1,3-Dichlorobenzene	1.3	< 1.3	U
106-46-7	1,4-Dichlorobenzene	1.3	< 1.3	U
107-02-8	Acrolein	66	< 66	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: KSC-DP-11-S-5-5.5-100730
SAMPLE

Lab Sample ID: RG71B
LIMS ID: 10-18381
Matrix: Soil
Date Analyzed: 08/04/10 02:27

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.3	< 1.3	U
74-96-4	Bromoethane	2.6	< 2.6	U
107-13-1	Acrylonitrile	6.6	< 6.6	U
563-58-6	1,1-Dichloropropene	1.3	< 1.3	U
74-95-3	Dibromomethane	1.3	< 1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	< 1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	6.6	< 6.6	U
96-18-4	1,2,3-Trichloropropane	2.6	< 2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	6.6	< 6.6	U
108-67-8	1,3,5-Trimethylbenzene	1.3	< 1.3	U
95-63-6	1,2,4-Trimethylbenzene	1.3	< 1.3	U
87-68-3	Hexachlorobutadiene	6.6	< 6.6	U
106-93-4	Ethylene Dibromide	1.3	< 1.3	U
74-97-5	Bromochloromethane	1.3	< 1.3	U
594-20-7	2,2-Dichloropropane	1.3	< 1.3	U
142-28-9	1,3-Dichloropropane	1.3	< 1.3	U
98-82-8	Isopropylbenzene	1.3	< 1.3	U
103-65-1	n-Propylbenzene	1.3	< 1.3	U
108-86-1	Bromobenzene	1.3	< 1.3	U
95-49-8	2-Chlorotoluene	1.3	< 1.3	U
106-43-4	4-Chlorotoluene	1.3	< 1.3	U
98-06-6	tert-Butylbenzene	1.3	< 1.3	U
135-98-8	sec-Butylbenzene	1.3	< 1.3	U
99-87-6	4-Isopropyltoluene	1.3	< 1.3	U
104-51-8	n-Butylbenzene	1.3	< 1.3	U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6	U
91-20-3	Naphthalene	6.6	< 6.6	U
87-61-6	1,2,3-Trichlorobenzene	6.6	< 6.6	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	134%
d8-Toluene	106%
Bromofluorobenzene	97.3%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C Sample ID: KSC-DP-13-S-4.5-5-100730
  SAMPLE

Lab Sample ID: RG71C
LIMS ID: 10-18382
Matrix: Soil
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/04/10 02:53

Sample Amount: 3.91 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 16.0%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.3	< 1.3	U
74-83-9	Bromomethane	1.3	< 1.3	U
75-01-4	Vinyl Chloride	1.3	< 1.3	U
75-00-3	Chloroethane	1.3	< 1.3	U
75-09-2	Methylene Chloride	2.6	< 2.6	U
67-64-1	**Acetone**	**6.4**	**42**	**M**
75-15-0	Carbon Disulfide	1.3	< 1.3	U
75-35-4	1,1-Dichloroethene	1.3	< 1.3	U
75-34-3	1,1-Dichloroethane	1.3	< 1.3	U
156-60-5	trans-1,2-Dichloroethene	1.3	< 1.3	U
156-59-2	cis-1,2-Dichloroethene	1.3	< 1.3	U
67-66-3	Chloroform	1.3	< 1.3	U
107-06-2	1,2-Dichloroethane	1.3	< 1.3	U
78-93-3	2-Butanone	6.4	< 6.4	U
71-55-6	1,1,1-Trichloroethane	1.3	< 1.3	U
56-23-5	Carbon Tetrachloride	1.3	< 1.3	U
108-05-4	Vinyl Acetate	6.4	< 6.4	U
75-27-4	Bromodichloromethane	1.3	< 1.3	U
78-87-5	1,2-Dichloropropane	1.3	< 1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	< 1.3	U
79-01-6	Trichloroethene	1.3	< 1.3	U
124-48-1	Dibromochloromethane	1.3	< 1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	< 1.3	U
71-43-2	Benzene	1.3	< 1.3	U
10061-02-6	trans-1,3-Dichloropropene	1.3	< 1.3	U
110-75-8	2-Chloroethylvinylether	6.4	< 6.4	U
75-25-2	Bromoform	1.3	< 1.3	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	6.4	< 6.4	U
591-78-6	2-Hexanone	6.4	< 6.4	U
127-18-4	Tetrachloroethene	1.3	< 1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	< 1.3	U
108-88-3	Toluene	1.3	< 1.3	U
108-90-7	Chlorobenzene	1.3	< 1.3	U
100-41-4	Ethylbenzene	1.3	< 1.3	U
100-42-5	Styrene	1.3	< 1.3	U
75-69-4	Trichlorofluoromethane	1.3	< 1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.6	< 2.6	U
179601-23-1	m,p-Xylene	1.3	< 1.3	U
95-47-6	o-Xylene	1.3	< 1.3	U
95-50-1	1,2-Dichlorobenzene	1.3	< 1.3	U
541-73-1	1,3-Dichlorobenzene	1.3	< 1.3	U
106-46-7	1,4-Dichlorobenzene	1.3	< 1.3	U
107-02-8	Acrolein	64	< 64	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C
Page 2 of 2

Sample ID: KSC-DP-13-S-4.5-5-100730
SAMPLE

Lab Sample ID: RG71C
LIMS ID: 10-18382
Matrix: Soil
Date Analyzed: 08/04/10 02:53

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.3	< 1.3	U
74-96-4	Bromoethane	2.6	< 2.6	U
107-13-1	Acrylonitrile	6.4	< 6.4	U
563-58-6	1,1-Dichloropropene	1.3	< 1.3	U
74-95-3	Dibromomethane	1.3	< 1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	< 1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	6.4	< 6.4	U
96-18-4	1,2,3-Trichloropropane	2.6	< 2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	6.4	< 6.4	U
108-67-8	1,3,5-Trimethylbenzene	1.3	< 1.3	U
95-63-6	1,2,4-Trimethylbenzene	1.3	< 1.3	U
87-68-3	Hexachlorobutadiene	6.4	< 6.4	U
106-93-4	Ethylene Dibromide	1.3	< 1.3	U
74-97-5	Bromochloromethane	1.3	< 1.3	U
594-20-7	2,2-Dichloropropane	1.3	< 1.3	U
142-28-9	1,3-Dichloropropane	1.3	< 1.3	U
98-82-8	Isopropylbenzene	1.3	< 1.3	U
103-65-1	n-Propylbenzene	1.3	< 1.3	U
108-86-1	Bromobenzene	1.3	< 1.3	U
95-49-8	2-Chlorotoluene	1.3	< 1.3	U
106-43-4	4-Chlorotoluene	1.3	< 1.3	U
98-06-6	tert-Butylbenzene	1.3	< 1.3	U
135-98-8	sec-Butylbenzene	1.3	< 1.3	U
99-87-6	4-Isopropyltoluene	1.3	< 1.3	U
104-51-8	n-Butylbenzene	1.3	< 1.3	U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4	U
91-20-3	Naphthalene	6.4	< 6.4	U
87-61-6	1,2,3-Trichlorobenzene	6.4	< 6.4	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	138%
d8-Toluene	106%
Bromofluorobenzene	96.7%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: Trip Blanks**
 SAMPLE

Lab Sample ID: RG71D
LIMS ID: 10-18383
Matrix: Water
Data Release Authorized: MW
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/04/10 03:19

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.0	< 2.0	U
67-64-1	Acetone	10	< 10	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.0	< 2.0	U
179601-23-1	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	10	< 10	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: Trip Blanks**
Page 2 of 2 **SAMPLE**

Lab Sample ID: RG71D QC Report No: RG71-Landau Associates, Inc.
LIMS ID: 10-18383 Project: Project Striker
Matrix: Water 025195.020.022
Date Analyzed: 08/04/10 03:19

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	2.0	< 2.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	< 5.0	U
96-18-4	1,2,3-Trichloropropane	2.0	< 2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	5.0	< 5.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	121%
d8-Toluene	105%
Bromofluorobenzene	92.6%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

ARI ID	Client ID	Level	DCE	TOL	BFB	DCB	TOT OUT
MB-080310	Method Blank	Low	108%	106%	93.8%	102%	0
LCS-080310	Lab Control	Low	89.5%	105%	97.6%	97.9%	0
LCSD-080310	Lab Control Dup	Low	104%	105%	98.2%	100%	0
RG71A	KSC-DP-16-S-7.5-8-100730	Low	129%	105%	88.4%	101%	0
RG71B	KSC-DP-11-S-5-5.5-100730	Low	134%	106%	97.3%	104%	0
RG71C	KSC-DP-13-S-4.5-5-100730	Low	138%	106%	96.7%	106%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260C	Low	Med	Low	Med
(DCE) = d4-1,2-Dichloroethane	79-121	76-120	75-152	69-120
(TOL) = d8-Toluene	80-120	80-120	82-115	80-120
(BFB) = Bromofluorobenzene	80-120	80-120	64-120	76-128
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120	80-120	80-120

Log Number Range: 10-18380 to 10-18382

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
RG71D	Trip Blanks	5	121%	105%	92.6%	104%	0

SW8260C	LCS/MB LIMITS	QC LIMITS
(DCE) = d4-1,2-Dichloroethane	80-122	80-125
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-18383 to 10-18383

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C Sample ID: LCS-080310
  LAB CONTROL SAMPLE

Lab Sample ID: LCS-080310
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN5/PAB
LCSD: FINN5/PAB
Date Analyzed LCS: 08/03/10 18:05
LCSD: 08/03/10 18:43

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	43.8	50.0	87.6%	44.0	50.0	88.0%	0.5%
Bromomethane	68.9 Q	50.0	138%	70.0 Q	50.0	140%	1.6%
Vinyl Chloride	49.3	50.0	98.6%	50.0	50.0	100%	1.4%
Chloroethane	50.5	50.0	101%	50.9	50.0	102%	0.8%
Methylene Chloride	42.2	50.0	84.4%	43.2	50.0	86.4%	2.3%
Acetone	240	250	96.0%	236	250	94.4%	1.7%
Carbon Disulfide	53.9	50.0	108%	54.6	50.0	109%	1.3%
1,1-Dichloroethene	49.1	50.0	98.2%	50.5	50.0	101%	2.8%
1,1-Dichloroethane	50.3	50.0	101%	51.2	50.0	102%	1.8%
trans-1,2-Dichloroethene	48.9	50.0	97.8%	50.0	50.0	100%	2.2%
cis-1,2-Dichloroethene	50.2	50.0	100%	50.4	50.0	101%	0.4%
Chloroform	49.7	50.0	99.4%	50.6	50.0	101%	1.8%
1,2-Dichloroethane	51.7	50.0	103%	49.5	50.0	99.0%	4.3%
2-Butanone	250	250	100%	251	250	100%	0.4%
1,1,1-Trichloroethane	48.6	50.0	97.2%	48.6	50.0	97.2%	0.0%
Carbon Tetrachloride	50.8	50.0	102%	49.0	50.0	98.0%	3.6%
Vinyl Acetate	53.0	50.0	106%	52.6	50.0	105%	0.8%
Bromodichloromethane	52.2	50.0	104%	49.3	50.0	98.6%	5.7%
1,2-Dichloropropane	49.8	50.0	99.6%	48.0	50.0	96.0%	3.7%
cis-1,3-Dichloropropene	55.6	50.0	111%	52.5	50.0	105%	5.7%
Trichloroethene	51.5	50.0	103%	50.4	50.0	101%	2.2%
Dibromochloromethane	50.9	50.0	102%	47.6	50.0	95.2%	6.7%
1,1,2-Trichloroethane	52.8	50.0	106%	49.3	50.0	98.6%	6.9%
Benzene	53.0	50.0	106%	51.0	50.0	102%	3.8%
trans-1,3-Dichloropropene	53.8	50.0	108%	50.6	50.0	101%	6.1%
2-Chloroethylvinylether	56.2	50.0	112%	54.4	50.0	109%	3.3%
Bromoform	50.3	50.0	101%	47.6	50.0	95.2%	5.5%
4-Methyl-2-Pentanone (MIBK)	250	250	100%	239	250	95.6%	4.5%
2-Hexanone	236	250	94.4%	223	250	89.2%	5.7%
Tetrachloroethene	50.3	50.0	101%	47.2	50.0	94.4%	6.4%
1,1,2,2-Tetrachloroethane	47.9	50.0	95.8%	44.6	50.0	89.2%	7.1%
Toluene	49.8	50.0	99.6%	48.4	50.0	96.8%	2.9%
Chlorobenzene	50.5	50.0	101%	48.8	50.0	97.6%	3.4%
Ethylbenzene	55.4	50.0	111%	52.8	50.0	106%	4.8%
Styrene	57.6	50.0	115%	55.2	50.0	110%	4.3%
Trichlorofluoromethane	52.4	50.0	105%	53.6	50.0	107%	2.3%
1,1,2-Trichloro-1,2,2-trifluoroetha	50.8	50.0	102%	51.0	50.0	102%	0.4%
m,p-Xylene	117	100	117%	111	100	111%	5.3%
o-Xylene	54.2	50.0	108%	51.2	50.0	102%	5.7%
1,2-Dichlorobenzene	55.4	50.0	111%	51.5	50.0	103%	7.3%
1,3-Dichlorobenzene	59.0	50.0	118%	54.9	50.0	110%	7.2%
1,4-Dichlorobenzene	58.8	50.0	118%	54.2	50.0	108%	8.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-080310
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080310
LIMS ID: 10-18380
Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrolein	236	250	94.4%	233	250	93.2%	1.3%
Methyl Iodide	61.1	50.0	122%	58.7	50.0	117%	4.0%
Bromoethane	50.8	50.0	102%	50.6	50.0	101%	0.4%
Acrylonitrile	52.9	50.0	106%	51.5	50.0	103%	2.7%
1,1-Dichloropropene	52.7	50.0	105%	50.5	50.0	101%	4.3%
Dibromomethane	51.8	50.0	104%	49.6	50.0	99.2%	4.3%
1,1,1,2-Tetrachloroethane	45.7	50.0	91.4%	44.0	50.0	88.0%	3.8%
1,2-Dibromo-3-chloropropane	48.7	50.0	97.4%	45.3	50.0	90.6%	7.2%
1,2,3-Trichloropropane	49.4	50.0	98.8%	44.6	50.0	89.2%	10.2%
trans-1,4-Dichloro-2-butene	54.7	50.0	109%	51.6	50.0	103%	5.8%
1,3,5-Trimethylbenzene	61.8	50.0	124%	58.0	50.0	116%	6.3%
1,2,4-Trimethylbenzene	62.5 Q	50.0	125%	58.4 Q	50.0	117%	6.8%
Hexachlorobutadiene	57.4	50.0	115%	52.9	50.0	106%	8.2%
Ethylene Dibromide	51.6	50.0	103%	49.7	50.0	99.4%	3.8%
Bromochloromethane	49.6	50.0	99.2%	50.0	50.0	100%	0.8%
2,2-Dichloropropane	49.1	50.0	98.2%	49.6	50.0	99.2%	1.0%
1,3-Dichloropropane	49.9	50.0	99.8%	47.2	50.0	94.4%	5.6%
Isopropylbenzene	59.5	50.0	119%	56.0	50.0	112%	6.1%
n-Propylbenzene	57.9	50.0	116%	54.4	50.0	109%	6.2%
Bromobenzene	53.0	50.0	106%	49.9	50.0	99.8%	6.0%
2-Chlorotoluene	55.2	50.0	110%	51.7	50.0	103%	6.5%
4-Chlorotoluene	62.0	50.0	124%	57.7	50.0	115%	7.2%
tert-Butylbenzene	62.5	50.0	125%	58.2	50.0	116%	7.1%
sec-Butylbenzene	59.4	50.0	119%	55.9	50.0	112%	6.1%
4-Isopropyltoluene	65.5 Q	50.0	131%	61.2 Q	50.0	122%	6.8%
n-Butylbenzene	66.6 Q	50.0	133%	62.4 Q	50.0	125%	6.5%
1,2,4-Trichlorobenzene	58.8	50.0	118%	53.9	50.0	108%	8.7%
Naphthalene	49.6	50.0	99.2%	47.3	50.0	94.6%	4.7%
1,2,3-Trichlorobenzene	52.2	50.0	104%	48.7	50.0	97.4%	6.9%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	89.5%	104%
d8-Toluene	105%	105%
Bromofluorobenzene	97.6%	98.2%
d4-1,2-Dichlorobenzene	97.9%	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C Sample ID: MB-080310
  METHOD BLANK

Lab Sample ID: MB-080310
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/03/10 19:10

Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.0	< 2.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.0	< 2.0	U
179601-23-1	m,p-Xylene	1.0	< 1.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	50	< 50	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-080310
METHOD BLANK

Lab Sample ID: MB-080310
LIMS ID: 10-18380
Matrix: Soil
Date Analyzed: 08/03/10 19:10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	2.0	< 2.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	< 5.0	U
96-18-4	1,2,3-Trichloropropane	2.0	< 2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	106%
Bromofluorobenzene	93.8%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-16-S-7.5-8-100730
SAMPLE

Lab Sample ID: RG71A
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/11/10
Date Analyzed: 08/11/10 20:55
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 8.08 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 19.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
106-46-7	1,4-Dichlorobenzene	62	< 62 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	62	< 62 U
95-48-7	2-Methylphenol	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
621-64-7	N-Nitroso-Di-N-Propylamine	310	< 310 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	62	< 62 U
105-67-9	2,4-Dimethylphenol	62	< 62 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	62	< 62 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	62	< 62 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U

Lab Sample ID: RG71A
LIMS ID: 10-18380
Matrix: Soil
Date Analyzed: 08/11/10 20:55

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	62	< 62 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
118-74-1	Hexachlorobenzene	62	< 62 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	62	< 62 U
86-74-8	Carbazole	62	< 62 U
120-12-7	Anthracene	62	< 62 U
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	< 62 U
129-00-0	Pyrene	62	< 62 U
85-68-7	Butylbenzylphthalate	62	< 62 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	< 62 U
117-81-7	bis(2-Ethylhexyl)phthalate	62	< 62 U
218-01-9	Chrysene	62	< 62 U
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo(b)fluoranthene	62	< 62 U
207-08-9	Benzo(k)fluoranthene	62	< 62 U
50-32-8	Benzo(a)pyrene	62	< 62 U
193-39-5	Indeno(1,2,3-cd)pyrene	62	< 62 U
53-70-3	Dibenz(a,h)anthracene	62	< 62 U
191-24-2	Benzo(g,h,i)perylene	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	58.8%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	61.2%
d5-Phenol	61.9%	2-Fluorophenol	59.5%
2,4,6-Tribromophenol	71.5%	d4-2-Chlorophenol	60.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-11-S-5-5.5-100730
SAMPLE

Lab Sample ID: RG71B
LIMS ID: 10-18381
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/11/10
Date Analyzed: 08/11/10 21:28
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 7.83 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 15.6%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	64	< 64 U
111-44-4	Bis-(2-Chloroethyl) Ether	64	< 64 U
95-57-8	2-Chlorophenol	64	< 64 U
541-73-1	1,3-Dichlorobenzene	64	< 64 U
106-46-7	1,4-Dichlorobenzene	64	< 64 U
100-51-6	Benzyl Alcohol	320	< 320 U
95-50-1	1,2-Dichlorobenzene	64	< 64 U
95-48-7	2-Methylphenol	64	< 64 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	64	< 64 U
106-44-5	4-Methylphenol	64	< 64 U
621-64-7	N-Nitroso-Di-N-Propylamine	320	< 320 U
67-72-1	Hexachloroethane	64	< 64 U
98-95-3	Nitrobenzene	64	< 64 U
78-59-1	Isophorone	64	< 64 U
88-75-5	2-Nitrophenol	64	< 64 U
105-67-9	2,4-Dimethylphenol	64	< 64 U
65-85-0	Benzoic Acid	640	< 640 U
111-91-1	bis(2-Chloroethoxy) Methane	64	< 64 U
120-83-2	2,4-Dichlorophenol	320	< 320 U
120-82-1	1,2,4-Trichlorobenzene	64	< 64 U
91-20-3	Naphthalene	64	< 64 U
106-47-8	4-Chloroaniline	320	< 320 U
87-68-3	Hexachlorobutadiene	64	< 64 U
59-50-7	4-Chloro-3-methylphenol	320	< 320 U
91-57-6	2-Methylnaphthalene	64	< 64 U
77-47-4	Hexachlorocyclopentadiene	320	< 320 U
88-06-2	2,4,6-Trichlorophenol	320	< 320 U
95-95-4	2,4,5-Trichlorophenol	320	< 320 U
91-58-7	2-Chloronaphthalene	64	< 64 U
88-74-4	2-Nitroaniline	320	< 320 U
131-11-3	Dimethylphthalate	64	< 64 U
208-96-8	Acenaphthylene	64	< 64 U
99-09-2	3-Nitroaniline	320	< 320 U
83-32-9	Acenaphthene	64	< 64 U
51-28-5	2,4-Dinitrophenol	640	< 640 U
100-02-7	4-Nitrophenol	320	< 320 U
132-64-9	Dibenzofuran	64	< 64 U
606-20-2	2,6-Dinitrotoluene	320	< 320 U
121-14-2	2,4-Dinitrotoluene	320	< 320 U
84-66-2	Diethylphthalate	64	< 64 U
7005-72-3	4-Chlorophenyl-phenylether	64	< 64 U
86-73-7	Fluorene	64	< 64 U
100-01-6	4-Nitroaniline	320	< 320 U
534-52-1	4,6-Dinitro-2-Methylphenol	640	< 640 U

Lab Sample ID: RG71B
LIMS ID: 10-18381
Matrix: Soil
Date Analyzed: 08/11/10 21:28

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	64	< 64 U
101-55-3	4-Bromophenyl-phenylether	64	< 64 U
118-74-1	Hexachlorobenzene	64	< 64 U
87-86-5	Pentachlorophenol	320	< 320 U
85-01-8	Phenanthrene	64	< 64 U
86-74-8	Carbazole	64	< 64 U
120-12-7	Anthracene	64	< 64 U
84-74-2	Di-n-Butylphthalate	64	< 64 U
206-44-0	Fluoranthene	64	< 64 U
129-00-0	Pyrene	64	< 64 U
85-68-7	Butylbenzylphthalate	64	< 64 U
91-94-1	3,3'-Dichlorobenzidine	320	< 320 U
56-55-3	Benzo(a)anthracene	64	< 64 U
117-81-7	bis(2-Ethylhexyl)phthalate	64	< 64 U
218-01-9	Chrysene	64	< 64 U
117-84-0	Di-n-Octyl phthalate	64	< 64 U
205-99-2	Benzo(b)fluoranthene	64	< 64 U
207-08-9	Benzo(k)fluoranthene	64	< 64 U
50-32-8	Benzo(a)pyrene	64	< 64 U
193-39-5	Indeno(1,2,3-cd)pyrene	64	< 64 U
53-70-3	Dibenz(a,h)anthracene	64	< 64 U
191-24-2	Benzo(g,h,i)perylene	64	< 64 U
90-12-0	1-Methylnaphthalene	64	< 64 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	69.6%
d5-Phenol	70.4%	2-Fluorophenol	67.2%
2,4,6-Tribromophenol	84.0%	d4-2-Chlorophenol	68.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-13-S-4.5-5-100730
SAMPLE

Lab Sample ID: RG71C
LIMS ID: 10-18382
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/11/10
Date Analyzed: 08/11/10 22:00
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 7.84 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 16.0%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	64	< 64 U
111-44-4	Bis-(2-Chloroethyl) Ether	64	< 64 U
95-57-8	2-Chlorophenol	64	< 64 U
541-73-1	1,3-Dichlorobenzene	64	< 64 U
106-46-7	1,4-Dichlorobenzene	64	< 64 U
100-51-6	Benzyl Alcohol	320	< 320 U
95-50-1	1,2-Dichlorobenzene	64	< 64 U
95-48-7	2-Methylphenol	64	< 64 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	64	< 64 U
106-44-5	4-Methylphenol	64	< 64 U
621-64-7	N-Nitroso-Di-N-Propylamine	320	< 320 U
67-72-1	Hexachloroethane	64	< 64 U
98-95-3	Nitrobenzene	64	< 64 U
78-59-1	Isophorone	64	< 64 U
88-75-5	2-Nitrophenol	64	< 64 U
105-67-9	2,4-Dimethylphenol	64	< 64 U
65-85-0	Benzoic Acid	640	< 640 U
111-91-1	bis(2-Chloroethoxy) Methane	64	< 64 U
120-83-2	2,4-Dichlorophenol	320	< 320 U
120-82-1	1,2,4-Trichlorobenzene	64	< 64 U
91-20-3	Naphthalene	64	< 64 U
106-47-8	4-Chloroaniline	320	< 320 U
87-68-3	Hexachlorobutadiene	64	< 64 U
59-50-7	4-Chloro-3-methylphenol	320	< 320 U
91-57-6	2-Methylnaphthalene	64	< 64 U
77-47-4	Hexachlorocyclopentadiene	320	< 320 U
88-06-2	2,4,6-Trichlorophenol	320	< 320 U
95-95-4	2,4,5-Trichlorophenol	320	< 320 U
91-58-7	2-Chloronaphthalene	64	< 64 U
88-74-4	2-Nitroaniline	320	< 320 U
131-11-3	Dimethylphthalate	64	< 64 U
208-96-8	Acenaphthylene	64	< 64 U
99-09-2	3-Nitroaniline	320	< 320 U
83-32-9	Acenaphthene	64	< 64 U
51-28-5	2,4-Dinitrophenol	640	< 640 U
100-02-7	4-Nitrophenol	320	< 320 U
132-64-9	Dibenzofuran	64	< 64 U
606-20-2	2,6-Dinitrotoluene	320	< 320 U
121-14-2	2,4-Dinitrotoluene	320	< 320 U
84-66-2	Diethylphthalate	64	< 64 U
7005-72-3	4-Chlorophenyl-phenylether	64	< 64 U
86-73-7	Fluorene	64	< 64 U
100-01-6	4-Nitroaniline	320	< 320 U
534-52-1	4,6-Dinitro-2-Methylphenol	640	< 640 U

Lab Sample ID: RG71C
LIMS ID: 10-18382
Matrix: Soil
Date Analyzed: 08/11/10 22:00

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	64	< 64 U
101-55-3	4-Bromophenyl-phenylether	64	< 64 U
118-74-1	Hexachlorobenzene	64	< 64 U
87-86-5	Pentachlorophenol	320	< 320 U
85-01-8	Phenanthrene	64	< 64 U
86-74-8	Carbazole	64	< 64 U
120-12-7	Anthracene	64	< 64 U
84-74-2	Di-n-Butylphthalate	64	< 64 U
206-44-0	Fluoranthene	64	< 64 U
129-00-0	Pyrene	64	< 64 U
85-68-7	Butylbenzylphthalate	64	< 64 U
91-94-1	3,3'-Dichlorobenzidine	320	< 320 U
56-55-3	Benzo(a)anthracene	64	< 64 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**64**	**100**
218-01-9	Chrysene	64	< 64 U
117-84-0	Di-n-Octyl phthalate	64	< 64 U
205-99-2	Benzo(b)fluoranthene	64	< 64 U
207-08-9	Benzo(k)fluoranthene	64	< 64 U
50-32-8	Benzo(a)pyrene	64	< 64 U
193-39-5	Indeno(1,2,3-cd)pyrene	64	< 64 U
53-70-3	Dibenz(a,h)anthracene	64	< 64 U
191-24-2	Benzo(g,h,i)perylene	64	< 64 U
90-12-0	1-Methylnaphthalene	64	< 64 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.0%	2-Fluorobiphenyl	64.8%
d14-p-Terphenyl	74.4%	d4-1,2-Dichlorobenzene	65.6%
d5-Phenol	66.4%	2-Fluorophenol	63.5%
2,4,6-Tribromophenol	81.1%	d4-2-Chlorophenol	65.1%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-081110	66.0%	65.2%	77.6%	68.4%	70.1%	66.1%	80.8%	67.7%	0
LCS-081110	76.8%	72.0%	86.8%	79.2%	75.2%	77.6%	89.1%	74.1%	0
LCSD-081110	76.8%	74.4%	87.2%	79.2%	75.5%	77.6%	89.3%	73.9%	0
KSC-DP-16-S-7.5-8-	58.8%	58.8%	64.8%	61.2%	61.9%	59.5%	71.5%	60.5%	0
KSC-DP-11-S-5-5.5-	68.0%	67.6%	78.4%	69.6%	70.4%	67.2%	84.0%	68.0%	0
KSC-DP-13-S-4.5-5-	64.0%	64.8%	74.4%	65.6%	66.4%	63.5%	81.1%	65.1%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-102)	(32-106)
(FBP) = 2-Fluorobiphenyl	(51-105)	(39-107)
(TPH) = d14-p-Terphenyl	(55-124)	(31-130)
(DCB) = d4-1,2-Dichlorobenzene	(48-104)	(38-102)
(PHL) = d5-Phenol	(44-110)	(27-112)
(2FP) = 2-Fluorophenol	(38-112)	(22-108)
(TBP) = 2,4,6-Tribromophenol	(54-120)	(31-131)
(2CP) = d4-2-Chlorophenol	(50-103)	(36-104)

Prep Method: SW3546
Log Number Range: 10-18380 to 10-18382

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-081110
LCS/LCSD

Lab Sample ID: LCS-081110
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted LCS/LCSD: 08/11/10

Date Analyzed LCS: 08/11/10 19:50
LCSD: 08/11/10 20:22
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ
GPC Cleanup: No

Sample Amount LCS: 7.50 g
LCSD: 7.50 g
Final Extract Volume LCS: 0.5 mL
LCSD: 0.5 mL
Dilution Factor LCS: 1.00
LCSD: 1.00
Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	1080	1670	64.7%	1090	1670	65.3%	0.9%
Bis-(2-Chloroethyl) Ether	1040	1670	62.3%	1070	1670	64.1%	2.8%
2-Chlorophenol	1020	1670	61.1%	1040	1670	62.3%	1.9%
1,3-Dichlorobenzene	1040	1670	62.3%	1050	1670	62.9%	1.0%
1,4-Dichlorobenzene	1030	1670	61.7%	1040	1670	62.3%	1.0%
Benzyl Alcohol	3060	3330	91.9%	3150	3330	94.6%	2.9%
1,2-Dichlorobenzene	1030	1670	61.7%	1050	1670	62.9%	1.9%
2-Methylphenol	1080	1670	64.7%	1100	1670	65.9%	1.8%
2,2'-Oxybis(1-Chloropropane)	1130	1670	67.7%	1160	1670	69.5%	2.6%
4-Methylphenol	2170	3330	65.2%	2200	3330	66.1%	1.4%
N-Nitroso-Di-N-Propylamine	1120	1670	67.1%	1140	1670	68.3%	1.8%
Hexachloroethane	1080	1670	64.7%	1100	1670	65.9%	1.8%
Nitrobenzene	1030	1670	61.7%	1050	1670	62.9%	1.9%
Isophorone	1210	1670	72.5%	1250	1670	74.9%	3.3%
2-Nitrophenol	1080	1670	64.7%	1130	1670	67.7%	4.5%
2,4-Dimethylphenol	1080	1670	64.7%	1110	1670	66.5%	2.7%
Benzoic Acid	3880	5000	77.6%	3850	5000	77.0%	0.8%
bis(2-Chloroethoxy) Methane	1050	1670	62.9%	1080	1670	64.7%	2.8%
2,4-Dichlorophenol	1090	1670	65.3%	1130	1670	67.7%	3.6%
1,2,4-Trichlorobenzene	1020	1670	61.1%	1060	1670	63.5%	3.8%
Naphthalene	1090	1670	65.3%	1120	1670	67.1%	2.7%
4-Chloroaniline	3030	4000	75.8%	3140	4000	78.5%	3.6%
Hexachlorobutadiene	1080	1670	64.7%	1110	1670	66.5%	2.7%
4-Chloro-3-methylphenol	1140	1670	68.3%	1170	1670	70.1%	2.6%
2-Methylnaphthalene	1150	1670	68.9%	1190	1670	71.3%	3.4%
Hexachlorocyclopentadiene	3660	5000	73.2%	3840	5000	76.8%	4.8%
2,4,6-Trichlorophenol	1100	1670	65.9%	1120	1670	67.1%	1.8%
2,4,5-Trichlorophenol	1040	1670	62.3%	1100	1670	65.9%	5.6%
2-Chloronaphthalene	1040	1670	62.3%	1060	1670	63.5%	1.9%
2-Nitroaniline	1160	1670	69.5%	1190	1670	71.3%	2.6%
Dimethylphthalate	997	1670	59.7%	1020	1670	61.1%	2.3%
Acenaphthylene	1050	1670	62.9%	1100	1670	65.9%	4.7%
3-Nitroaniline	3230	4270	75.6%	3360	4270	78.7%	3.9%
Acenaphthene	1000	1670	59.9%	1030	1670	61.7%	3.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCSD-081110
LCS/LCSD

Lab Sample ID: LCS-081110
LIMS ID: 10-18380
Matrix: Soil
Date Analyzed LCS: 08/11/10 19:50
LCSD: 08/11/10 20:22

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
2,4-Dinitrophenol	4280 Q	5000	85.6%	3500 Q	5000	70.0%	20.1%
4-Nitrophenol	800 Q	1670	47.9%	809 Q	1670	48.4%	1.1%
Dibenzofuran	1110	1670	66.5%	1150	1670	68.9%	3.5%
2,6-Dinitrotoluene	1050	1670	62.9%	1080	1670	64.7%	2.8%
2,4-Dinitrotoluene	1080	1670	64.7%	1110	1670	66.5%	2.7%
Diethylphthalate	1020	1670	61.1%	1030	1670	61.7%	1.0%
4-Chlorophenyl-phenylether	1010	1670	60.5%	1040	1670	62.3%	2.9%
Fluorene	1060	1670	63.5%	1090	1670	65.3%	2.8%
4-Nitroaniline	997	1670	59.7%	1020	1670	61.1%	2.3%
4,6-Dinitro-2-Methylphenol	4050	5000	81.0%	4170	5000	83.4%	2.9%
N-Nitrosodiphenylamine	971	1670	58.1%	1020	1670	61.1%	4.9%
4-Bromophenyl-phenylether	1050	1670	62.9%	1100	1670	65.9%	4.7%
Hexachlorobenzene	1090	1670	65.3%	1150	1670	68.9%	5.4%
Pentachlorophenol	759	1670	45.4%	792	1670	47.4%	4.3%
Phenanthrene	1050	1670	62.9%	1080	1670	64.7%	2.8%
Carbazole	930	1670	55.7%	967	1670	57.9%	3.9%
Anthracene	1050	1670	62.9%	1080	1670	64.7%	2.8%
Di-n-Butylphthalate	1080	1670	64.7%	1100	1670	65.9%	1.8%
Fluoranthene	1140	1670	68.3%	1170	1670	70.1%	2.6%
Pyrene	1190	1670	71.3%	1230	1670	73.7%	3.3%
Butylbenzylphthalate	1140	1670	68.3%	1180	1670	70.7%	3.4%
3,3'-Dichlorobenzidine	3320	4270	77.8%	3500	4270	82.0%	5.3%
Benzo(a)anthracene	1210	1670	72.5%	1230	1670	73.7%	1.6%
bis(2-Ethylhexyl)phthalate	1150	1670	68.9%	1170	1670	70.1%	1.7%
Chrysene	1150	1670	68.9%	1180	1670	70.7%	2.6%
Di-n-Octyl phthalate	1060	1670	63.5%	1090	1670	65.3%	2.8%
Benzo(b)fluoranthene	1070	1670	64.1%	1120	1670	67.1%	4.6%
Benzo(k)fluoranthene	1030	1670	61.7%	1120	1670	67.1%	8.4%
Benzo(a)pyrene	1030	1670	61.7%	1040	1670	62.3%	1.0%
Indeno(1,2,3-cd)pyrene	1130	1670	67.7%	1150	1670	68.9%	1.8%
Dibenz(a,h)anthracene	1140	1670	68.3%	1160	1670	69.5%	1.7%
Benzo(g,h,i)perylene	1090	1670	65.3%	1110	1670	66.5%	1.8%
1-Methylnaphthalene	1160	1670	69.5%	1190	1670	71.3%	2.6%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	76.8%	76.8%
2-Fluorobiphenyl	72.0%	74.4%
d14-p-Terphenyl	86.8%	87.2%
d4-1,2-Dichlorobenzene	79.2%	79.2%
d5-Phenol	75.2%	75.5%
2-Fluorophenol	77.6%	77.6%
2,4,6-Tribromophenol	89.1%	89.3%
d4-2-Chlorophenol	74.1%	73.9%

Reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-081110
METHOD BLANK

Lab Sample ID: MB-081110
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted: 08/11/10
Date Analyzed: 08/11/10 19:17
Instrument/Analyst: NT6/JZ
GPC Cleanup: No

Sample Amount: 7.50 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
108-95-2	Phenol	67	< 67 U
111-44-4	Bis-(2-Chloroethyl) Ether	67	< 67 U
95-57-8	2-Chlorophenol	67	< 67 U
541-73-1	1,3-Dichlorobenzene	67	< 67 U
106-46-7	1,4-Dichlorobenzene	67	< 67 U
100-51-6	Benzyl Alcohol	330	< 330 U
95-50-1	1,2-Dichlorobenzene	67	< 67 U
95-48-7	2-Methylphenol	67	< 67 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	67	< 67 U
106-44-5	4-Methylphenol	67	< 67 U
621-64-7	N-Nitroso-Di-N-Propylamine	330	< 330 U
67-72-1	Hexachloroethane	67	< 67 U
98-95-3	Nitrobenzene	67	< 67 U
78-59-1	Isophorone	67	< 67 U
88-75-5	2-Nitrophenol	67	< 67 U
105-67-9	2,4-Dimethylphenol	67	< 67 U
65-85-0	Benzoic Acid	670	< 670 U
111-91-1	bis(2-Chloroethoxy) Methane	67	< 67 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
120-82-1	1,2,4-Trichlorobenzene	67	< 67 U
91-20-3	Naphthalene	67	< 67 U
106-47-8	4-Chloroaniline	330	< 330 U
87-68-3	Hexachlorobutadiene	67	< 67 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	67	< 67 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	67	< 67 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	67	< 67 U
208-96-8	Acenaphthylene	67	< 67 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	67	< 67 U
51-28-5	2,4-Dinitrophenol	670	< 670 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	67	< 67 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	67	< 67 U
7005-72-3	4-Chlorophenyl-phenylether	67	< 67 U
86-73-7	Fluorene	67	< 67 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	670	< 670 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-081110
METHOD BLANK

Lab Sample ID: MB-081110
LIMS ID: 10-18380
Matrix: Soil
Date Analyzed: 08/11/10 19:17

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	67	< 67 U
101-55-3	4-Bromophenyl-phenylether	67	< 67 U
118-74-1	Hexachlorobenzene	67	< 67 U
87-86-5	Pentachlorophenol	330	< 330 U
85-01-8	Phenanthrene	67	< 67 U
86-74-8	Carbazole	67	< 67 U
120-12-7	Anthracene	67	< 67 U
84-74-2	Di-n-Butylphthalate	67	< 67 U
206-44-0	Fluoranthene	67	< 67 U
129-00-0	Pyrene	67	< 67 U
85-68-7	Butylbenzylphthalate	67	< 67 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo(a)anthracene	67	< 67 U
117-81-7	bis(2-Ethylhexyl)phthalate	67	< 67 U
218-01-9	Chrysene	67	< 67 U
117-84-0	Di-n-Octyl phthalate	67	< 67 U
205-99-2	Benzo(b)fluoranthene	67	< 67 U
207-08-9	Benzo(k)fluoranthene	67	< 67 U
50-32-8	Benzo(a)pyrene	67	< 67 U
193-39-5	Indeno(1,2,3-cd)pyrene	67	< 67 U
53-70-3	Dibenz(a,h)anthracene	67	< 67 U
191-24-2	Benzo(g,h,i)perylene	67	< 67 U
90-12-0	1-Methylnaphthalene	67	< 67 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.0%	2-Fluorobiphenyl	65.2%
d14-p-Terphenyl	77.6%	d4-1,2-Dichlorobenzene	68.4%
d5-Phenol	70.1%	2-Fluorophenol	66.1%
2,4,6-Tribromophenol	80.8%	d4-2-Chlorophenol	67.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: KSC-DP-16-S-7.5-8-100730
SAMPLE

Lab Sample ID: RG71A
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/18/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/09/10
Date Analyzed: 08/13/10 01:10
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.1 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 19.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	33	< 33 U
53469-21-9	Aroclor 1242	33	< 33 U
12672-29-6	Aroclor 1248	33	< 33 U
11097-69-1	Aroclor 1254	33	< 33 U
11096-82-5	Aroclor 1260	33	< 33 U
11104-28-2	Aroclor 1221	33	< 33 U
11141-16-5	Aroclor 1232	33	< 33 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	80.4%
Tetrachlorometaxylene	75.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: KSC-DP-11-S-5-5.5-100730
SAMPLE

Lab Sample ID: RG71B
LIMS ID: 10-18381
Matrix: Soil
Data Release Authorized:
Reported: 08/18/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/09/10
Date Analyzed: 08/13/10 01:29
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.7 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 15.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	31	< 31 U
53469-21-9	Aroclor 1242	31	< 31 U
12672-29-6	Aroclor 1248	31	< 31 U
11097-69-1	Aroclor 1254	31	< 31 U
11096-82-5	Aroclor 1260	31	< 31 U
11104-28-2	Aroclor 1221	31	< 31 U
11141-16-5	Aroclor 1232	31	< 31 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	77.4%
Tetrachlorometaxylene	73.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: KSC-DP-13-S-4.5-5-100730
SAMPLE

Lab Sample ID: RG71C
LIMS ID: 10-18382
Matrix: Soil
Data Release Authorized:
Reported: 08/18/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/09/10
Date Analyzed: 08/13/10 01:48
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.7 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: 16.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	32	< 32 U
53469-21-9	Aroclor 1242	32	< 32 U
12672-29-6	Aroclor 1248	32	< 32 U
11097-69-1	Aroclor 1254	32	< 32 U
11096-82-5	Aroclor 1260	32	< 32 U
11104-28-2	Aroclor 1221	32	< 32 U
11141-16-5	Aroclor 1232	32	< 32 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	74.9%
Tetrachlorometaxylene	67.5%

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

Client ID	DCBP % REC	DCBP LCL-UCL	TCMX % REC	TCMX LCL-UCL	TOT OUT
MB-080910	86.1%	51-112	81.1%	46-111	0
LCS-080910	92.6%	51-112	87.2%	46-111	0
LCSD-080910	88.1%	51-112	79.4%	46-111	0
KSC-DP-16-S-7.5-8-100730	80.4%	42-127	75.1%	50-114	0
KSC-DP-11-S-5-5.5-100730	77.4%	42-127	73.4%	50-114	0
KSC-DP-13-S-4.5-5-100730	74.9%	42-127	67.5%	50-114	0

Microwave (MARS) Control Limits
Prep Method: SW3546
Log Number Range: 10-18380 to 10-18382

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082
Page 1 of 1

Sample ID: LCS-080910
LCS/LCSD

Lab Sample ID: LCS-080910
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 08/09/10

Date Analyzed LCS: 08/13/10 00:33
LCSD: 08/13/10 00:51
Instrument/Analyst LCS: ECD5/JGR
LCSD: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount LCS: 12.0 g-dry-wt
LCSD: 12.0 g-dry-wt
Final Extract Volume LCS: 4.0 mL
LCSD: 4.0 mL
Dilution Factor LCS: 5.00
LCSD: 5.00
Silica Gel: No

Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Aroclor 1016	177	167	106%	162	167	97.2%	8.8%
Aroclor 1260	154	167	92.4%	148	167	88.8%	4.0%

PCB Surrogate Recovery

	LCS	LCSD
Decachlorobiphenyl	92.6%	88.1%
Tetrachlorometaxylene	87.2%	79.4%

Results reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: MB-080910
METHOD BLANK

Lab Sample ID: MB-080910
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/18/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Date Extracted: 08/09/10
Date Analyzed: 08/13/10 00:14
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.0 g
Final Extract Volume: 4.0 mL
Dilution Factor: 5.00
Silica Gel: No

Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	33	< 33 U
53469-21-9	Aroclor 1242	33	< 33 U
12672-29-6	Aroclor 1248	33	< 33 U
11097-69-1	Aroclor 1254	33	< 33 U
11096-82-5	Aroclor 1260	33	< 33 U
11104-28-2	Aroclor 1221	33	< 33 U
11141-16-5	Aroclor 1232	33	< 33 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	86.1%
Tetrachlorometaxylene	81.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Soil

Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
Event: 025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

ARI ID	Client ID	Analysis Date	Basis	Range	Result
MB-080410	Method Blank	08/04/10	Dry	Gasoline	< 5.0 U
10-18380		PID3		HC ID	---
				Trifluorotoluene	101%
				Bromobenzene	102%
RG71A	KSC-DP-16-S-7.5-8-100730	08/04/10	Dry	Gasoline	< 7.5 U
10-18380		PID3		HC ID	---
				Trifluorotoluene	101%
				Bromobenzene	104%
RG71B	KSC-DP-11-S-5-5.5-100730	08/04/10	Dry	Gasoline	< 8.2 U
10-18381		PID3		HC ID	---
				Trifluorotoluene	107%
				Bromobenzene	106%
RG71C	KSC-DP-13-S-4.5-5-100730	08/04/10	Dry	Gasoline	< 7.3 U
10-18382		PID3		HC ID	---
				Trifluorotoluene	102%
				Bromobenzene	104%

Gasoline values reported in mg/kg (ppm)

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

TPHG SOIL SURROGATE RECOVERY SUMMARY

ARI Job: RG71
Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
Event: 025195.020.022

Client ID	BFB	TFT	BBZ	TOT OUT
MB-080410	NA	101%	102%	0
LCS-080410	NA	102%	101%	0
LCSD-080410	NA	103%	103%	0
KSC-DP-16-S-7.5-8-10073	NA	101%	104%	0
KSC-DP-11-S-5-5.5-10073	NA	107%	106%	0
KSC-DP-13-S-4.5-5-10073	NA	102%	104%	0

	LCS/MB LIMITS	QC LIMITS
(BFB) = Bromofluorobenzene	(70-130)	(70-130)
(TFT) = Trifluorotoluene	(80-120)	(66-123)
(BBZ) = Bromobenzene	(80-120)	(62-130)

Log Number Range: 10-18380 to 10-18382

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG

Sample ID: LCS-080410
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080410
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/10/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/04/10 07:47
LCSD: 08/04/10 08:11
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL

Sample Amount LCS: 100 mg-dry-wt
LCSD: 100 mg-dry-wt

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	50.7	50.0	101%	50.2	50.0	100%	1.0%

Reported in mg/kg (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	102%	103%
Bromobenzene	101%	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

Data Release Authorized: MW
Reported: 08/09/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-080510	Method Blank	08/05/10	08/06/10	1.00	Diesel	5.0	< 5.0 U
10-18380	HC ID: ---		FID3B	1.0	Motor Oil	10	< 10 U
					o-Terphenyl		100%
RG71A	KSC-DP-16-S-7.5-8-100	08/05/10	08/06/10	1.00	Diesel	6.2	< 6.2 U
10-18380	HC ID: **MOTOR OIL**		FID3B	1.0	**Motor Oil**	**12**	**13**
					o-Terphenyl		102%
RG71B	KSC-DP-11-S-5-5.5-100	08/05/10	08/06/10	1.00	Diesel	5.9	< 5.9 U
10-18381	HC ID: ---		FID3B	1.0	Motor Oil	12	< 12 U
					o-Terphenyl		93.2%
RG71C	KSC-DP-13-S-4.5-5-100	08/05/10	08/06/10	1.00	Diesel	5.9	< 5.9 U
10-18382	HC ID: ---		FID3B	1.0	Motor Oil	12	< 12 U
					o-Terphenyl		83.5%

Reported in mg/kg (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022

Client ID	OTER	TOT OUT
MB-080510	100%	0
LCS-080510	109%	0
LCSD-080510	109%	0
KSC-DP-16-S-7.5-8-	102%	0
KSC-DP-11-S-5-5.5-	93.2%	0
KSC-DP-13-S-4.5-5-	83.5%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(63-115)	(49-120)

Prep Method: SW3546
Log Number Range: 10-18380 to 10-18382

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized: MW
Reported: 08/09/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted LCS/LCSD: 08/05/10
Date Analyzed LCS: 08/06/10 15:21
LCSD: 08/06/10 15:40
Instrument/Analyst LCS: FID/JGR
LCSD: FID/JGR

Sample Amount LCS: 10.0 g
LCSD: 10.0 g
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.0
LCSD: 1.0

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	128	150	85.3%	134	150	89.3%	4.6%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	109%	109%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: RG71
Matrix: Soil Project: Project Striker
Date Received: 07/30/10 025195.020.022

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
10-18380-080510MB1	Method Blank	10.0 g	1.00 mL	-	08/05/10
10-18380-080510LCS1	Lab Control	10.0 g	1.00 mL	-	08/05/10
10-18380-080510LCSD1	Lab Control Dup	10.0 g	1.00 mL	-	08/05/10
10-18380-RG71A	KSC-DP-16-S-7.5-8-18.100g		1.00 mL	D	08/05/10
10-18381-RG71B	KSC-DP-11-S-5-5.5-18.470g		1.00 mL	D	08/05/10
10-18382-RG71C	KSC-DP-13-S-4.5-5-18.440g		1.00 mL	D	08/05/10

Basis: D=Dry Weight W=As Received

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: KSC-DP-16-S-7.5-8-100730
SAMPLE

Lab Sample ID: RG71A
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Percent Total Solids: 81.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/11/10	**7440-38-2**	**Arsenic**	0.2	**7.6**	
3050B	08/06/10	200.8	08/11/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	0.6	**21.6**	
3050B	08/06/10	200.8	08/11/10	**7440-50-8**	**Copper**	0.6	**30.9**	
3050B	08/06/10	200.8	08/11/10	**7439-92-1**	**Lead**	1	**10**	
CLP	08/06/10	7471A	08/09/10	**7439-97-6**	**Mercury**	0.02	**0.06**	
3050B	08/06/10	200.8	08/11/10	**7440-66-6**	**Zinc**	5	**51**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: KSC-DP-11-S-5-5.5-100730
SAMPLE

Lab Sample ID: RG71B
LIMS ID: 10-18381
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Percent Total Solids: 85.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/11/10	**7440-38-2**	**Arsenic**	0.2	**3.2**	
3050B	08/06/10	200.8	08/11/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	0.6	**10.9**	
3050B	08/06/10	200.8	08/11/10	**7440-50-8**	**Copper**	0.6	**16.4**	
3050B	08/06/10	200.8	08/11/10	**7439-92-1**	**Lead**	1	**3**	
CLP	08/06/10	7471A	08/09/10	7439-97-6	Mercury	0.03	0.03	U
3050B	08/06/10	200.8	08/11/10	**7440-66-6**	**Zinc**	4	**25**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: KSC-DP-13-S-4.5-5-100730
SAMPLE

Lab Sample ID: RG71C
LIMS ID: 10-18382
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Percent Total Solids: 83.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/11/10	**7440-38-2**	**Arsenic**	0.2	**3.5**	
3050B	08/06/10	200.8	08/11/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	**7440-47-3**	**Chromium**	0.6	**14.3**	
3050B	08/06/10	200.8	08/11/10	**7440-50-8**	**Copper**	0.6	**20.3**	
3050B	08/06/10	200.8	08/11/10	**7439-92-1**	**Lead**	1	**5**	
CLP	08/06/10	7471A	08/09/10	7439-97-6	Mercury	0.03	0.03	U
3050B	08/06/10	200.8	08/11/10	**7440-66-6**	**Zinc**	4	**29**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: RG71LCS
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	200.8	24.2	25.0	96.8%	
Cadmium	200.8	25.6	25.0	102%	
Chromium	200.8	26.5	25.0	106%	
Copper	200.8	27.7	25.0	111%	
Lead	200.8	25	25	100%	
Mercury	7471A	0.49	0.50	98.0%	
Zinc	200.8	83	80	104%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RG71MB
LIMS ID: 10-18380
Matrix: Soil
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG71-Landau Associates, Inc.
Project: Project Striker
025195.020.022
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/06/10	200.8	08/11/10	7440-38-2	Arsenic	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	7440-43-9	Cadmium	0.2	0.2	U
3050B	08/06/10	200.8	08/11/10	7440-47-3	Chromium	0.5	0.5	U
3050B	08/06/10	200.8	08/11/10	7440-50-8	Copper	0.5	0.5	U
3050B	08/06/10	200.8	08/11/10	7439-92-1	Lead	1	1	U
CLP	08/06/10	7471A	08/09/10	7439-97-6	Mercury	0.02	0.02	U
3050B	08/06/10	200.8	08/11/10	7440-66-6	Zinc	4	4	U

U-Analyte undetected at given RL
RL-Reporting Limit

SAMPLE RESULTS-CONVENTIONALS
RG71-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized: [signature]
Reported: 08/13/10

Project: Project Striker
Event: 025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Client ID: KSC-DP-16-S-7.5-8-100730
ARI ID: 10-18380 RG71A

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.475	< 0.475 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	81.60

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

SAMPLE RESULTS-CONVENTIONALS
RG71-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Project Striker
Event: 025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Client ID: KSC-DP-11-S-5-5.5-100730
ARI ID: 10-18381 RG71B

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.457	< 0.457 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	86.20

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

SAMPLE RESULTS-CONVENTIONALS
RG71-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Project Striker
Event: 025195.020.022
Date Sampled: 07/30/10
Date Received: 07/30/10

Client ID: KSC-DP-13-S-4.5-5-100730
ARI ID: 10-18382 RG71C

Analyte	Date	Method	Units	RL	Sample
Hexavalent Chrome	08/10/10 081010#1	SM3500Cr-D	mg/kg	0.458	< 0.458 U
Total Solids	08/04/10 080410#1	EPA 160.3	Percent	0.01	84.90

RL Analytical reporting limit
U Undetected at reported detection limit

Hexavalent Chrome prepared using Method 3060.

METHOD BLANK RESULTS-CONVENTIONALS
RG71-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Project Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Hexavalent Chrome	08/10/10	mg/kg	< 0.400 U
Total Solids	08/04/10	Percent	< 0.01 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
RG71-Landau Associates, Inc.

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: Project Striker
Event: 025195.020.022
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Soluble Hexavalent Chrome	08/10/10	mg/kg	18.5	20.0	92.5%
Insoluble Hexavalent Chrome	08/10/10	mg/kg	920	944	97.5%
Soil Hexavalent Chrome					

Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 18, 2010

Tim Syverson
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Striker 025195.020
ARI Job: RG74 - Revised

Dear Tim

Enclosed, please find the original Chain-of-Custody (COC) record, sample receipt documentation, and final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted one water sample and one trip blank in good condition on July 30, 2010. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form. Per Landau Associates, the sample was allowed to settle and sample aliquot was collected from the clear portion.

The sample was analyzed for Dissolved Metals, SVOCs, VOCs, NWTPH-Dx and NWTPH-Gx, as requested on the COC.

Acetone and 1,2,4-Trichlorobenzene were out of control high in the VOC LCS. They were in control in the LCSD. No further corrective action was required.

The SVOC CCALs from 08/10/10 and 08/11/10 were out of control low for 2,4-Dinitrophenol. The CCAL from 08/11/10 was additionally out of control low for 4-Nitrophenol. Associated samples with detections for these compounds have been flagged with a Q qualifier.

N-Nitrosodiphenylamine was out of control low in the SVOC LCS and LCSD. No further corrective action was required.

There were no other irregularities with the sample.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC

Eric Branson
Project Manager
-for-
Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com
www.arilabs.com

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

RG74

LANDAU ASSOCIATES

- [x] Seattle/Edmonds (425) 778-0907
- [ ] Tacoma (253) 926-2493
- [ ] Spokane (509) 327-9737
- [ ] Portland (503) 542-1080
- [ ] _____

Chain-of-Custody Record

Date 07/30/10

Page 1 of 1

Project Name Striker Project No. 025195.020

Project Location/Event Strike property

Sampler's Name SED / PRR

Project Contact Joe Flaherty & Tim Syverson

Send Results To same

Turnaround Time
- [x] Standard
- [ ] Accelerated
- [ ] _____

Sample I.D.	Date	Time	Matrix	No. of Containers	VOC	TPH-Dx	TPH-Gx	SVOC	Total Metals	Observations/Comments
KSC-DP-15-GW-100730	7/30/10	1610	H2O	11	X	X	X	X	X	

Testing Parameters

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
- ___ non-preserved
- ___ preserved w/methanol
- ___ preserved w/sodium bisulfate
- ___ Freeze upon receipt

[x] Dissolved metal water samples field filtered

Other arsenic, cadmium, chromium, copper, lead, mercury, zinc

Special Shipment/Handling or Storage Requirements: store @ 4°C

Method of Shipment: hand delivered

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Susan Dickerson	Jennifer Mitsch		
Printed Name	Printed Name	Printed Name	Printed Name
CAI	ARI		
Company	Company	Company	Company
Date 7/30/10 Time 1730	Date 7/30/10 Time 1730	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

RG74 : 00002

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Striker Project Name: Striker Property

COC No(s): ~~NA~~ RG740 Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other: _____

Assigned ARI Job No: RG740 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)..... 3.1 ___ ___ ___ ___ ___

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90941619

Cooler Accepted by: JM Date: 7/30/10 Time: 1730

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? ...	Bubble Wrap (Wet Ice) Gel Packs (Baggies) (Foam) Block Paper Other: _____		
Was sufficient ice used (if appropriate)?		NA (YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...		NA (YES)	NO
Were all VOC vials free of air bubbles?		NA (YES)	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI		NA	_____

Was Sample Split by ARI : (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: UM Date: 8/2/10 Time: 1037

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

1 trip blank received, not indicated on COC.
COC reads 11 container sent, but only 10 container sent.

By: UM Date: 8/2/10

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
• • •	• • •	● ● ●

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

PRESERVATION VERIFICATION 08/02/10
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **RG74**

Inquiry Number: NONE
Analysis Requested: 08/02/10
Contact: Syverson, Tim
Client: Landau Associates, Inc.
Logged by: MM
Sample Set Used: Yes-481
Validatable Package: No
Deliverables:

PC: Kelly
VTSR: 07/30/10

Project #: 025195.020
Project: Skriker
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-18401 **RG74A**	KSC-DP-15-GW-100730						LOT															

RG74: 00001

Checked By [signature] Date 8/2/10

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: KSC-DP-15-GW-100730**
 SAMPLE

Lab Sample ID: RG74A
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 17:20

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.3**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG74A
LIMS ID: 10-18401
Matrix: Water
Date Analyzed: 08/11/10 17:20

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	101%
Bromofluorobenzene	97.3%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: TRIP BLANK SAMPLE**

Lab Sample ID: RG74B
LIMS ID: 10-18402
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 13:58

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

Lab Sample ID: RG74B
LIMS ID: 10-18402
Matrix: Water
Date Analyzed: 08/11/10 13:58

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker 025195.020

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	98.9%
Bromofluorobenzene	95.2%
d4-1,2-Dichlorobenzene	101%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-081110	Method Blank	10	101%	101%	98.5%	103%	0
LCS-081110	Lab Control	10	104%	101%	105%	104%	0
LCSD-081110	Lab Control Dup	10	104%	99.5%	96.4%	97.9%	0
RG74A	KSC-DP-15-GW-100730	10	103%	101%	97.3%	104%	0
RG74B	TRIP BLANK	10	101%	98.9%	95.2%	101%	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	70-132	80-143
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-18401 to 10-18402

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081110**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-081110
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT10/PKC
LCSD: NT10/PKC
Date Analyzed LCS: 08/11/10 12:09
LCSD: 08/11/10 12:34

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	9.7	10.0	97.0%	9.0	10.0	90.0%	7.5%
Bromomethane	11.7	10.0	117%	10.0	10.0	100%	15.7%
Vinyl Chloride	10.2	10.0	102%	9.7	10.0	97.0%	5.0%
Chloroethane	12.5	10.0	125%	9.5	10.0	95.0%	27.3%
Methylene Chloride	9.5	10.0	95.0%	8.9	10.0	89.0%	6.5%
Acetone	66.1	50.0	132%	49.1	50.0	98.2%	29.5%
Carbon Disulfide	10.8	10.0	108%	9.8	10.0	98.0%	9.7%
1,1-Dichloroethene	10.4	10.0	104%	9.6	10.0	96.0%	8.0%
1,1-Dichloroethane	9.9	10.0	99.0%	9.2	10.0	92.0%	7.3%
trans-1,2-Dichloroethene	9.7	10.0	97.0%	9.1	10.0	91.0%	6.4%
cis-1,2-Dichloroethene	9.7	10.0	97.0%	9.0	10.0	90.0%	7.5%
Chloroform	9.7	10.0	97.0%	9.2	10.0	92.0%	5.3%
1,2-Dichloroethane	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
2-Butanone	57.4	50.0	115%	50.7	50.0	101%	12.4%
1,1,1-Trichloroethane	9.8	10.0	98.0%	9.1	10.0	91.0%	7.4%
Carbon Tetrachloride	9.7	10.0	97.0%	9.2	10.0	92.0%	5.3%
Vinyl Acetate	10.2	10.0	102%	9.9	10.0	99.0%	3.0%
Bromodichloromethane	9.9	10.0	99.0%	9.5	10.0	95.0%	4.1%
1,2-Dichloropropane	9.9	10.0	99.0%	9.7	10.0	97.0%	2.0%
cis-1,3-Dichloropropene	9.9	10.0	99.0%	9.7	10.0	97.0%	2.0%
Trichloroethene	9.8	10.0	98.0%	9.3	10.0	93.0%	5.2%
Dibromochloromethane	9.9	10.0	99.0%	9.8	10.0	98.0%	1.0%
1,1,2-Trichloroethane	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Benzene	10.0	10.0	100%	9.6	10.0	96.0%	4.1%
trans-1,3-Dichloropropene	11.6	10.0	116%	11.4	10.0	114%	1.7%
2-Chloroethylvinylether	9.9	10.0	99.0%	10.3	10.0	103%	4.0%
Bromoform	9.4	10.0	94.0%	10.4	10.0	104%	10.1%
4-Methyl-2-Pentanone (MIBK)	55.2	50.0	110%	53.8	50.0	108%	2.6%
2-Hexanone	52.2	50.0	104%	56.0	50.0	112%	7.0%
Tetrachloroethene	9.7	10.0	97.0%	9.8	10.0	98.0%	1.0%
1,1,2,2-Tetrachloroethane	9.7	10.0	97.0%	10.0	10.0	100%	3.0%
Toluene	10.0	10.0	100%	9.6	10.0	96.0%	4.1%
Chlorobenzene	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Ethylbenzene	10.0	10.0	100%	9.9	10.0	99.0%	1.0%
Styrene	10.6	10.0	106%	10.0	10.0	100%	5.8%
Trichlorofluoromethane	11.2	10.0	112%	9.6	10.0	96.0%	15.4%
1,1,2-Trichloro-1,2,2-trifluoroetha	10.9	10.0	109%	10.0	10.0	100%	8.6%
m,p-Xylene	21.1	20.0	106%	20.2	20.0	101%	4.4%
o-Xylene	10.5	10.0	105%	9.6	10.0	96.0%	9.0%
1,2-Dichlorobenzene	10.4	10.0	104%	9.6	10.0	96.0%	8.0%
1,3-Dichlorobenzene	10.2	10.0	102%	9.9	10.0	99.0%	3.0%
1,4-Dichlorobenzene	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Acrolein	55.9	50.0	112%	50.4	50.0	101%	10.3%
Methyl Iodide	10.8	10.0	108%	10.0	10.0	100%	7.7%
Bromoethane	10.4	10.0	104%	9.8	10.0	98.0%	5.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081110**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-081110 QC Report No: RG74-Landau Associates, Inc.
LIMS ID: 10-18401 Project: Skriker
Matrix: Water 025195.020

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrylonitrile	11.3	10.0	113%	9.8	10.0	98.0%	14.2%
1,1-Dichloropropene	9.7	10.0	97.0%	9.3	10.0	93.0%	4.2%
Dibromomethane	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
1,1,1,2-Tetrachloroethane	10.5	10.0	105%	9.7	10.0	97.0%	7.9%
1,2-Dibromo-3-chloropropane	10.7	10.0	107%	9.7	10.0	97.0%	9.8%
1,2,3-Trichloropropane	9.5	10.0	95.0%	10.5	10.0	105%	10.0%
trans-1,4-Dichloro-2-butene	10.2	10.0	102%	11.6	10.0	116%	12.8%
1,3,5-Trimethylbenzene	9.9	10.0	99.0%	9.9	10.0	99.0%	0.0%
1,2,4-Trimethylbenzene	10.2	10.0	102%	10.0	10.0	100%	2.0%
Hexachlorobutadiene	12.2	10.0	122%	8.2	10.0	82.0%	39.2%
Ethylene Dibromide	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
Bromochloromethane	9.9	10.0	99.0%	9.2	10.0	92.0%	7.3%
2,2-Dichloropropane	9.8	10.0	98.0%	9.0	10.0	90.0%	8.5%
1,3-Dichloropropane	9.6	10.0	96.0%	10.2	10.0	102%	6.1%
Isopropylbenzene	9.7	10.0	97.0%	10.5	10.0	105%	7.9%
n-Propylbenzene	10.0	10.0	100%	10.6	10.0	106%	5.8%
Bromobenzene	9.1	10.0	91.0%	10.0	10.0	100%	9.4%
2-Chlorotoluene	9.7	10.0	97.0%	10.1	10.0	101%	4.0%
4-Chlorotoluene	9.6	10.0	96.0%	10.2	10.0	102%	6.1%
tert-Butylbenzene	10.1	10.0	101%	9.8	10.0	98.0%	3.0%
sec-Butylbenzene	10.8	10.0	108%	10.0	10.0	100%	7.7%
4-Isopropyltoluene	10.7	10.0	107%	9.8	10.0	98.0%	8.8%
n-Butylbenzene	11.1	10.0	111%	9.8	10.0	98.0%	12.4%
1,2,4-Trichlorobenzene	12.3	10.0	123%	8.6	10.0	86.0%	35.4%
Naphthalene	12.0	10.0	120%	8.8	10.0	88.0%	30.8%
1,2,3-Trichlorobenzene	12.6	10.0	126%	8.1	10.0	81.0%	43.5%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	104%	104%
d8-Toluene	101%	99.5%
Bromofluorobenzene	105%	96.4%
d4-1,2-Dichlorobenzene	104%	97.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081110**
 METHOD BLANK

Lab Sample ID: MB-081110
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/11/10 13:00

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081110**
 METHOD BLANK

Lab Sample ID: MB-081110 QC Report No: RG74-Landau Associates, Inc.
LIMS ID: 10-18401 Project: Skriker
Matrix: Water 025195.020
Date Analyzed: 08/11/10 13:00

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	101%
Bromofluorobenzene	98.5%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: KSC-DP-15-GW-100730
SAMPLE

Lab Sample ID: RG74A
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted: 08/05/10
Date Analyzed: 08/11/10 18:44
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U

Lab Sample ID: RG74A
LIMS ID: 10-18401
Matrix: Water
Date Analyzed: 08/11/10 18:44

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

CAS Number	Analyte	RL	Result
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	78.0%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	63.2%	2-Fluorophenol	61.3%
2,4,6-Tribromophenol	84.0%	d4-2-Chlorophenol	63.2%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-080510	75.6%	67.6%	85.2%	63.6%	75.5%	73.9%	94.9%	75.7%	0
LCS-080510	76.4%	67.2%	80.8%	67.6%	76.8%	73.9%	87.2%	74.9%	0
LCSD-080510	74.4%	66.4%	80.8%	64.4%	76.3%	71.5%	87.2%	72.8%	0
KSC-DP-15-GW-10073	63.6%	61.2%	78.0%	56.0%	63.2%	61.3%	84.0%	63.2%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-100)	(39-100)
(FBP) = 2-Fluorobiphenyl	(49-100)	(42-100)
(TPH) = d14-p-Terphenyl	(53-119)	(26-114)
(DCB) = d4-1,2-Dichlorobenzene	(38-100)	(32-100)
(PHL) = d5-Phenol	(50-100)	(41-100)
(2FP) = 2-Fluorophenol	(46-100)	(38-100)
(TBP) = 2,4,6-Tribromophenol	(52-123)	(48-118)
(2CP) = d4-2-Chlorophenol	(53-100)	(44-100)

Prep Method: SW3520C
Log Number Range: 10-18401 to 10-18401

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/10/10 21:21
LCSD: 08/10/10 21:53
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

GPC Cleanup: NO

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	16.2	25.0	64.8%	16.4	25.0	65.6%	1.2%
Bis-(2-Chloroethyl) Ether	16.2	25.0	64.8%	16.3	25.0	65.2%	0.6%
2-Chlorophenol	15.2	25.0	60.8%	15.3	25.0	61.2%	0.7%
1,3-Dichlorobenzene	10.9	25.0	43.6%	11.1	25.0	44.4%	1.8%
1,4-Dichlorobenzene	10.9	25.0	43.6%	11.1	25.0	44.4%	1.8%
Benzyl Alcohol	48.6	50.0	97.2%	49.0	50.0	98.0%	0.8%
1,2-Dichlorobenzene	11.5	25.0	46.0%	11.7	25.0	46.8%	1.7%
2-Methylphenol	15.4	25.0	61.6%	15.5	25.0	62.0%	0.6%
2,2'-Oxybis(1-Chloropropane)	16.9	25.0	67.6%	17.2	25.0	68.8%	1.8%
4-Methylphenol	31.8	50.0	63.6%	32.4	50.0	64.8%	1.9%
N-Nitroso-Di-N-Propylamine	15.9	25.0	63.6%	15.5	25.0	62.0%	2.5%
Hexachloroethane	10.3	25.0	41.2%	10.4	25.0	41.6%	1.0%
Nitrobenzene	15.1	25.0	60.4%	15.4	25.0	61.6%	2.0%
Isophorone	18.2	25.0	72.8%	18.3	25.0	73.2%	0.5%
2-Nitrophenol	16.0	25.0	64.0%	16.1	25.0	64.4%	0.6%
2,4-Dimethylphenol	8.3	25.0	33.2%	9.3	25.0	37.2%	10.5%
Benzoic Acid	63.6	75.0	84.8%	64.4	75.0	85.9%	1.2%
bis(2-Chloroethoxy) Methane	16.4	25.0	65.6%	16.0	25.0	64.0%	2.5%
2,4-Dichlorophenol	15.8	25.0	63.2%	16.1	25.0	64.4%	1.9%
1,2,4-Trichlorobenzene	11.1	25.0	44.4%	11.3	25.0	45.2%	1.8%
Naphthalene	14.1	25.0	56.4%	14.5	25.0	58.0%	2.8%
4-Chloroaniline	44.9	60.0	74.8%	45.2	60.0	75.3%	0.7%
Hexachlorobutadiene	10.4	25.0	41.6%	10.5	25.0	42.0%	1.0%
4-Chloro-3-methylphenol	17.0	25.0	68.0%	16.8	25.0	67.2%	1.2%
2-Methylnaphthalene	14.8	25.0	59.2%	14.9	25.0	59.6%	0.7%
Hexachlorocyclopentadiene	15.0	75.0	20.0%	16.2	75.0	21.6%	7.7%
2,4,6-Trichlorophenol	15.2	25.0	60.8%	16.6	25.0	66.4%	8.8%
2,4,5-Trichlorophenol	15.9	25.0	63.6%	16.1	25.0	64.4%	1.2%
2-Chloronaphthalene	13.8	25.0	55.2%	13.7	25.0	54.8%	0.7%
2-Nitroaniline	18.0	25.0	72.0%	18.6	25.0	74.4%	3.3%
Dimethylphthalate	15.3	25.0	61.2%	15.7	25.0	62.8%	2.6%
Acenaphthylene	14.3	25.0	57.2%	14.5	25.0	58.0%	1.4%
3-Nitroaniline	50.1	64.0	78.3%	51.7	64.0	80.8%	3.1%
Acenaphthene	14.1	25.0	56.4%	14.6	25.0	58.4%	3.5%
2,4-Dinitrophenol	70.2 Q	75.0	93.6%	73.8 Q	75.0	98.4%	5.0%
4-Nitrophenol	12.9	25.0	51.6%	13.0	25.0	52.0%	0.8%
Dibenzofuran	16.0	25.0	64.0%	16.3	25.0	65.2%	1.9%
2,6-Dinitrotoluene	15.5	25.0	62.0%	16.2	25.0	64.8%	4.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS **Sample ID: LCS-080510**
 LCS/LCSD

Lab Sample ID: LCS-080510 QC Report No: RG74-Landau Associates, Inc.
LIMS ID: 10-18401 Project: Skriker
Matrix: Water 025195.020
Date Analyzed LCS: 08/10/10 21:21
LCSD: 08/10/10 21:53

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
2,4-Dinitrotoluene	16.6	25.0	66.4%	17.4	25.0	69.6%	4.7%
Diethylphthalate	15.8	25.0	63.2%	16.3	25.0	65.2%	3.1%
4-Chlorophenyl-phenylether	14.4	25.0	57.6%	14.8	25.0	59.2%	2.7%
Fluorene	15.8	25.0	63.2%	16.2	25.0	64.8%	2.5%
4-Nitroaniline	15.0	25.0	60.0%	15.9	25.0	63.6%	5.8%
4,6-Dinitro-2-Methylphenol	59.7	75.0	79.6%	61.8	75.0	82.4%	3.5%
N-Nitrosodiphenylamine	12.4	25.0	49.6%	12.4	25.0	49.6%	0.0%
4-Bromophenyl-phenylether	14.5	25.0	58.0%	14.8	25.0	59.2%	2.0%
Hexachlorobenzene	15.2	25.0	60.8%	15.6	25.0	62.4%	2.6%
Pentachlorophenol	11.8	25.0	47.2%	11.8	25.0	47.2%	0.0%
Phenanthrene	16.1	25.0	64.4%	16.3	25.0	65.2%	1.2%
Carbazole	15.5	25.0	62.0%	16.0	25.0	64.0%	3.2%
Anthracene	15.1	25.0	60.4%	15.4	25.0	61.6%	2.0%
Di-n-Butylphthalate	16.5	25.0	66.0%	16.9	25.0	67.6%	2.4%
Fluoranthene	18.1	25.0	72.4%	18.6	25.0	74.4%	2.7%
Pyrene	17.0	25.0	68.0%	17.5	25.0	70.0%	2.9%
Butylbenzylphthalate	15.5	25.0	62.0%	16.0	25.0	64.0%	3.2%
3,3'-Dichlorobenzidine	39.6	64.0	61.9%	38.8	64.0	60.6%	2.0%
Benzo(a)anthracene	17.4	25.0	69.6%	18.1	25.0	72.4%	3.9%
bis(2-Ethylhexyl)phthalate	16.3	25.0	65.2%	17.7	25.0	70.8%	8.2%
Chrysene	17.4	25.0	69.6%	17.8	25.0	71.2%	2.3%
Di-n-Octyl phthalate	16.1	25.0	64.4%	16.3	25.0	65.2%	1.2%
Benzo(b)fluoranthene	18.5	25.0	74.0%	16.8	25.0	67.2%	9.6%
Benzo(k)fluoranthene	17.3	25.0	69.2%	17.1	25.0	68.4%	1.2%
Benzo(a)pyrene	13.9	25.0	55.6%	14.2	25.0	56.8%	2.1%
Indeno(1,2,3-cd)pyrene	12.1	25.0	48.4%	12.0	25.0	48.0%	0.8%
Dibenz(a,h)anthracene	13.3	25.0	53.2%	13.2	25.0	52.8%	0.8%
Benzo(g,h,i)perylene	10.3	25.0	41.2%	10.3	25.0	41.2%	0.0%
1-Methylnaphthalene	15.2	25.0	60.8%	15.0	25.0	60.0%	1.3%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	76.4%	74.4%
2-Fluorobiphenyl	67.2%	66.4%
d14-p-Terphenyl	80.8%	80.8%
d4-1,2-Dichlorobenzene	67.6%	64.4%
d5-Phenol	76.8%	76.3%
2-Fluorophenol	73.9%	71.5%
2,4,6-Tribromophenol	87.2%	87.2%
d4-2-Chlorophenol	74.9%	72.8%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: NA
Date Received: NA

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 20:48
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18401
Matrix: Water
Date Analyzed: 08/10/10 20:48

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

CAS Number	Analyte	RL	Result
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	5.0	< 5.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	85.2%	d4-1,2-Dichlorobenzene	63.6%
d5-Phenol	75.5%	2-Fluorophenol	73.9%
2,4,6-Tribromophenol	94.9%	d4-2-Chlorophenol	75.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Matrix: Water

Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
Event: 025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

ARI ID	Client ID	Analysis Date	DL	Range	Result
MB-080510	Method Blank	08/05/10	1.0	Gasoline	< 0.25 U
10-18401		PID3		HC ID	---
				Trifluorotoluene	102%
				Bromobenzene	102%
RG74A	KSC-DP-15-GW-100730	08/05/10	1.0	Gasoline	< 0.25 U
10-18401		PID3		HC ID	---
				Trifluorotoluene	96.3%
				Bromobenzene	98.0%

Gasoline values reported in mg/L (ppm)

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

ANALYTICAL RESOURCES INCORPORATED

TPHG WATER SURROGATE RECOVERY SUMMARY

ARI Job: RG74
Matrix: Water

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
Event: 025195.020

Client ID	TFT	BBZ	TOT OUT
MB-080510	102%	102%	0
LCS-080510	101%	102%	0
LCSD-080510	106%	104%	0
KSC-DP-15-GW-10073	96.3%	98.0%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(80-120)	(80-120)
(BBZ) = Bromobenzene	(80-120)	(80-120)

Log Number Range: 10-18401 to 10-18401

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: LCS-080510
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080510
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
Event: 025195.020
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/05/10 07:27
LCSD: 08/05/10 07:52
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL

Dilution Factor LCS: 1.0
LCSD: 1.0

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	0.96	1.00	96.0%	0.98	1.00	98.0%	2.1%

Reported in mg/L (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	101%	106%
Bromobenzene	102%	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Water

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

Data Release Authorized:
Reported: 08/05/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-080310	Method Blank	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18401	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		74.5%
RG74A	KSC-DP-15-GW-100730	08/03/10	08/04/10	1.00	Diesel	0.10	< 0.10 U
10-18401	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		98.4%

Reported in mg/L (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020

Client ID	OTER	TOT OUT
MB-080310	74.5%	0
LCS-080310	82.9%	0
LCSD-080310	84.4%	0
KSC-DP-15-GW-100730	98.4%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terpheny1	(51-120)	(41-121)

Prep Method: SW3510C
Log Number Range: 10-18401 to 10-18401

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-080310**
Page 1 of 1 **LCS/LCSD**

Lab Sample ID: LCS-080310
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/05/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Date Extracted LCS/LCSD: 08/03/10

Date Analyzed LCS: 08/04/10 20:10
LCSD: 08/04/10 20:29
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	1.86	3.00	62.0%	1.95	3.00	65.0%	4.7%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	82.9%	84.4%

Results reported in mg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: RG74
Matrix: Water Project: Skriker
Date Received: 07/30/10 025195.020

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
10-18401-080310MB1	Method Blank	500 mL	1.00 mL	08/03/10
10-18401-080310LCS1	Lab Control	500 mL	1.00 mL	08/03/10
10-18401-080310LCSD1	Lab Control Dup	500 mL	1.00 mL	08/03/10
10-18401-RG74A	KSC-DP-15-GW-100730	500 mL	1.00 mL	08/03/10

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-15-GW-100730
SAMPLE

Lab Sample ID: RG74A
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: 07/30/10
Date Received: 07/30/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
6010B	08/03/10	6010B	08/11/10	7440-38-2	Arsenic	50	50	U
6010B	08/03/10	6010B	08/11/10	7440-43-9	Cadmium	2	2	U
6010B	08/03/10	6010B	08/11/10	7440-47-3	Chromium	5	5	U
6010B	08/03/10	6010B	08/11/10	7440-50-8	Copper	2	2	U
6010B	08/03/10	6010B	08/11/10	7439-92-1	Lead	20	20	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.1	0.1	U
6010B	08/03/10	6010B	08/11/10	7440-66-6	Zinc	10	10	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: RG74LCS
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	2010	2000	100%	
Cadmium	6010B	518	500	104%	
Chromium	6010B	506	500	101%	
Copper	6010B	482	500	96.4%	
Lead	6010B	1960	2000	98.0%	
Mercury	7470A	2.1	2.0	105%	
Zinc	6010B	470	500	94.0%	

Reported in µg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: METHOD BLANK

Lab Sample ID: RG74MB
LIMS ID: 10-18401
Matrix: Water
Data Release Authorized:
Reported: 08/12/10

QC Report No: RG74-Landau Associates, Inc.
Project: Skriker
025195.020
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
6010B	08/03/10	6010B	08/11/10	7440-38-2	Arsenic	50	50	U
6010B	08/03/10	6010B	08/11/10	7440-43-9	Cadmium	2	2	U
6010B	08/03/10	6010B	08/11/10	7440-47-3	Chromium	5	5	U
6010B	08/03/10	6010B	08/11/10	7440-50-8	Copper	2	2	U
6010B	08/03/10	6010B	08/11/10	7439-92-1	Lead	20	20	U
7470A	08/03/10	7470A	08/04/10	7439-97-6	Mercury	0.1	0.1	U
6010B	08/03/10	6010B	08/11/10	7440-66-6	Zinc	10	10	U

U-Analyte undetected at given RL
RL-Reporting Limit

Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 18, 2010

Tim Syverson
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Striker 025195.020
ARI Job: RI68

Dear Tim,

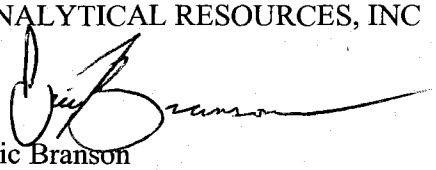
Enclosed, please find the original Chain-of-Custody (COC) records, sample receipt documentation, and final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) originally accepted these six water samples in good condition on July 30, 2010 under sample delivery groups (SDGs) RG63 and RG74. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Forms. Per Landau Associates, samples were allowed to settle and sample aliquot was collected from the clear portion.

The samples were analyzed for Dissolved Arsenic by method 200.8. They were originally analyzed by method 6010B in ARI SDGs RG63 and RG74

There were no other irregularities with the samples.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC



Eric Branson
Project Manager
-for-
Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com
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4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

RQ63

LANDAU ASSOCIATES

☑ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

Chain-of-Custody Record

Date 07/30/10
Page 1 of 1

Project Name Striker Project No. 0025195.020
Project Location/Event Striker Property
Sampler's Name SED / PRR / CFB
Project Contact Joe Flaherty (Boeing) / Tim Syverson
Send Results To same

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs	NWTPH-Gx	NWTPH-Dx	SVOC	Total Metals	Cr6	Observations/Comments
KSC-DP-5-GW-100730	7/30/10	0810	H_2O	11	X	X	X	X	X	X	
KSC-DP-2-GW-100730	7/30/10	0946	H_2O	11	X	X	X	X	X	X	
KSC-DP-3-GW-100730	7/30/10	1025	H_2O	11	X	X	X	X	X	X	
KSC-DP-16-GW-100730	7/30/10	1220	H_2O	11	X	X	X	X	X	X	
KSC-DP-11-GW-100730	7/30/10	1321	H_2O	11	X	X	X	X	X	X	
Trip blanks			water		X	X					

Testing Parameters

X Allow water samples to settle, collect aliquot from clear portion
X NWTPH-Dx - run acid wash/silica gel cleanup
___ run samples standardized to _____ product
___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

X Dissolved metal water samples field filtered

Other Arsenic, Cadmium, Chromium, Cr-6 Cu, Pb, Mercury, Zinc

Special Shipment/Handling or Storage Requirements: store at 4°C 2 coolers

Method of Shipment: hand delivered

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name: Pam Raymaker	Printed Name: Mikal Mulumba	Printed Name	Printed Name
Company: Landau Assoc. Inc.	Company: ARI	Company	Company
Date: 7/30/10 Time: 345	Date: 7/30/10 Time: 1515	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Landau

Project Name: Striker

COC No(s): RG63 (NA)

Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other:

Assigned ARI Job No: RG63

Tracking No: (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)	10.6 0.4	

If cooler temperature is out of compliance fill out form 00070F — Temp Gun ID#:

Cooler Accepted by: MM Date: 7/30/10 Time: 1515

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? ... Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other:			
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		(YES)	NO
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...	NA	(YES)	NO
Were all VOC vials free of air bubbles?	NA	(YES)	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	(NA)		

Was Sample Split by ARI : (NA) YES Date/Time: Equipment: Split by:

Samples Logged by: MM Date: 8/2/10 Time: 1000

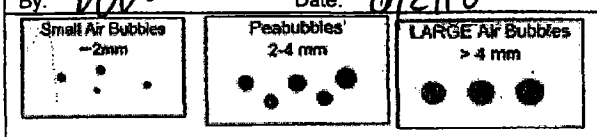
*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

Only 1 trip Blank vial was provided for VOA and Gas analysis.

By: MM Date: 8/2/10



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

Cooler#: 1 of 2 Temperature(°C): 8.4 10.6

Sample ID	Bottle Count	Bottle Type
ALL SAMPLES OUT OF TEMP COMPLIANCE		

Cooler#: _____ Temperature(°C): _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ Temperature(°C): _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ Temperature(°C): _____

Sample ID	Bottle Count	Bottle Type

Completed by: UNN Date: 8/2/10 Time: 100

PRESERVATION VERIFICATION 08/02/10
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **RG63**

Inquiry Number: NONE
Analysis Requested: 07/30/10
Contact: Syverson, Tim
Client: Landau Associates, Inc.
Logged by: MM
Sample Set Used: Yes-481
Validatable Package: No
Deliverables:

PC: Kelly
VTSR: 07/30/10

Project #: 0025195.020
Project: Striker
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-18374 **RG63A**	KSC-DP-5-GW-100730						DIS									Y						
10-18375 **RG63B**	KSC-DP-2-GW-100730						DIS									Y						
10-18376 **RG63C**	KSC-DP-3-GW-100730						DIS									Y						
10-18377 **RG63D**	KSC-DP-16-GW-100730						DIS									Y						
10-18378 **RG63E**	KSC-DP-11-GW-100730						DIS									Y						

Checked By MM Date 8/3/10

RG74

LANDAU ASSOCIATES

☑ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

Chain-of-Custody Record

Date 07/30/10

Page 1 of 1

Project Name Striker Project No. 025195.020

Project Location/Event Striker property

Sampler's Name SED / PRR

Project Contact Joe Flaherty & Tim Syverson

Send Results To same

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	VOC	TPH-Dx	TPH-Gx	SVOC	Total Metals
KSC-DP-15-GW-100730	7/30/10	1610	H2O	11	X	X	X	X	X

Observations/Comments

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

☑ Dissolved metal water samples field filtered

Other arsenic, cadmium, chromium, copper, lead, mercury, zinc

Special Shipment/Handling or Storage Requirements store @ 4°C

Method of Shipment hand delivered

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Susan Dickerson	Jennifer Mitsch		
Printed Name	Printed Name	Printed Name	Printed Name
CAI	ARI		
Company	Company	Company	Company
Date 7/30/10 Time 1730	Date 7/30/10 Time 1730	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 8/09

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Striker

Project Name: Striker Property

COC No(s): ~~RG740~~ NA

Delivered by: Fed-Ex UPS Courier Hand Delivered Other:

Assigned ARI Job No: RG740

Tracking No: NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry): 3.1

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90941619

Cooler Accepted by: JM Date: 7/30/10 Time: 1730

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	NO
What kind of packing material was used? ...	Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other:		
Was sufficient ice used (if appropriate)?	NA	YES	NO
Were all bottles sealed in individual plastic bags?		YES	NO
Did all bottles arrive in good condition (unbroken)?		YES	NO
Were all bottle labels complete and legible?		YES	NO
Did the number of containers listed on COC match with the number of containers received?		YES	NO
Did all bottle labels and tags agree with custody papers?		YES	NO
Were all bottles used correct for the requested analyses?		YES	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...	NA	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	NO
Was sufficient amount of sample sent in each bottle?		YES	NO
Date VOC Trip Blank was made at ARI	NA		

Was Sample Split by ARI : NA YES Date/Time: Equipment: Split by:

Samples Logged by: UM Date: 8/2/10 Time: 1037

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

1 trip blank received, not indicated on COC.
COC reads 11 container sent, but only 10 container sent.

By: UM Date: 8/2/10

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

PRESERVATION VERIFICATION 08/02/10
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **RG74**

PC: Kelly
VTSR: 07/30/10

Inquiry Number: NONE
Analysis Requested: 08/02/10
Contact: Syverson, Tim
Client: Landau Associates, Inc.
Logged by: MM
Sample Set Used: Yes-481
Validatable Package: No
Deliverables:

Project #: 025195.020
Project: Skriker
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-18401 **RG74A**	KSC-DP-15-GW-100730						DIS Pass									Y						

Checked By MM Date 8/3/10

PRESERVATION VERIFICATION 08/13/10
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **RI68**

Inquiry Number: NONE
Analysis Requested: 08/13/10
Contact: Hooper, Kristin
Client: Landau Associates
Logged by: JM
Sample Set Used: Yes-481
Validatable Package: Yes
Deliverables:

PC: Kelly
VTSR: 08/13/10

Project #: 0025195.020
Project: Striker
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-19830 **RI68A**	KSC-DP-5-GW-100730						DIS															
10-19831 **RI68B**	KSC-DP-2-GW-100730						DIS															
10-19832 **RI68C**	KSC-DP-3-GW-100730						DIS															
10-19833 **RI68D**	KSC-DP-16-GW-100730						DIS															
10-19834 **RI68E**	KSC-DP-11-GW-100730						DIS															
10-19835 **RI68F**	KSC-DP-15-GW-100730						DIS															

Checked By JM Date 8/13/10

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: KSC-DP-5-GW-100730
SAMPLE

Lab Sample ID: RI68A
LIMS ID: 10-19830
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 08/13/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	**7440-38-2**	**Arsenic**	0.2	**114**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-2-GW-100730
SAMPLE

Lab Sample ID: RI68B
LIMS ID: 10-19831
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 08/13/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	**7440-38-2**	**Arsenic**	0.5	**8.1**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: KSC-DP-3-GW-100730
SAMPLE

Lab Sample ID: RI68C
LIMS ID: 10-19832
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 08/13/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	**7440-38-2**	**Arsenic**	0.2	**40.3**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS
Page 1 of 1

Sample ID: KSC-DP-16-GW-100730
SAMPLE

Lab Sample ID: RI68D
LIMS ID: 10-19833
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 08/13/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	**7440-38-2**	**Arsenic**	0.2	**53.3**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: KSC-DP-11-GW-100730
SAMPLE

Lab Sample ID: RI68E
LIMS ID: 10-19834
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 08/13/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	**7440-38-2**	**Arsenic**	0.2	**43.8**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS

Sample ID: KSC-DP-15-GW-100730
SAMPLE

Lab Sample ID: RI68F
LIMS ID: 10-19835
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: 07/30/10
Date Received: 08/13/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	**7440-38-2**	**Arsenic**	0.2	**9.1**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS **Sample ID: LAB CONTROL**

Lab Sample ID: RI68LCS
LIMS ID: 10-19830
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	200.8	26.4	25.0	106%	

Reported in µg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
DISSOLVED METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RI68MB
LIMS ID: 10-19830
Matrix: Water
Data Release Authorized:
Reported: 08/18/10

QC Report No: RI68-Landau Associates
Project: Striker
0025195.020
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	µg/L	Q
200.8	08/16/10	200.8	08/17/10	7440-38-2	Arsenic	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

August 2, 2010

RECEIVED

AUG 06 2010

LANDAU ASSOCIATES, INC.

Joe Flaherty
Landau Associates
130 2nd Avenue South
Edmonds, WA 98020

Dear Mr. Flaherty:

Please find enclosed the analytical data report for the Striker Property Project located in Kent, Washington. Vapor samples were analyzed for Select Volatile Organic Compounds by EPA Method 8260B from July 27th – 30th, 2010.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		Method Blank	KSC-SG 20-4.5-5.0 100727	KSC-SG 20-4.5-5.0 100727 Dup	KSC-SG 17-4.5-5.0 100727	KSC-SG 18-0.5 100727	KSC-SG 19-0.5 100727
Date Sampled	Reporting	N/A	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
Date Analyzed	Limits	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		95.6	84.3	97.3	93.3	88.2	88.1
1,2-Dichloroethane-d4		99	98.2	128	91	90.9	86.5
Toluene-d8		91.1	92.4	96.4	93.7	93.2	95.2
4-Bromofluorobenzene		100	99.4	108	101	101	105

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

QA/QC Data - EPA 8260B Analyses

	Laboratory Control Sample		
	Spiked Conc. (ug/m3)	Measured Conc. (ug/m3)	Spike Recovery (%)
1,1-Dichloroethene	1000	1070	107
Benzene	1000	726	73
Toluene	1000	726	73
Chlorobenzene	1000	844	84
Trichloroethene (TCE)	1000	756	76

Surrogate Recovery	
Dibromofluoromethane	98.6
1,2-Dichloroethane-d4	100
Toluene-d8	90.2
4-Bromofluorobenzene	101

ACCEPTABLE RECOVERY LIMITS FOR LCS: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 22-4.5-5.0 100727	KSC-SG 16-4.5-5.0 100727	KSC-SG 13-4.5-5.0 100727	KSC-SG 23-0.5 100727	KSC-SG 12-0.5 100727	KSC-SG 14-4.5-5.0 100727
Date Sampled	Reporting	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
Date Analyzed	Limits	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		95.7	94.3	90.1	95.2	80.6	90.3
1,2-Dichloroethane-d4		106	99.8	93.3	104	98.5	102
Toluene-d8		91.6	94.3	93.3	94	95.3	94.7
4-Bromofluorobenzene		98.5	102	102	98.6	93.5	103

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

Sample Description		KSC-SG 15-4.5-5.0 100727	KSC-SG 10-0.5 100727	KSC-SG 7-0.5 100727	KSC-SG 3-0.5 100727	KSC-SG 1-4.5-5.0 100727	KSC-SG 2-4.5-5.0 100727
Date Sampled	Reporting	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
Date Analyzed	Limits	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	51	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	201	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	740	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		95.3	98.3	87	90.2	96.5	90
1,2-Dichloroethane-d4		109	112	108	107	106	77
Toluene-d8		92.4	95.2	93.4	89.7	91.9	92.2
4-Bromofluorobenzene		96.7	99.3	104	94.8	98.6	103

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description	KSC-SG 4-0.5	KSC-SG 50-0.5	KSC-SG 25-0.5	KSC-SG 5-4.5-5.0	Method	KSC-SG 6-4.5-5.0
	4-4.5-5.0					lab (Dup)

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

Dup

		100727	100727	100727	100727	Blank	100727
Date Sampled	Reporting	7/27/10	7/27/10	7/27/10	7/27/10	N/A	N/A
Date Analyzed	Limits	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		94.3	96.7	94.7	93	96.6	99.1
1,2-Dichloroethane-d4		93.2	106	89	99.2	113	93.1
Toluene-d8		91.7	92.6	91	91.3	90.6	92.6
4-Bromofluorobenzene		103	98.6	89.6	97.3	97.2	100

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

QA/QC Data - EPA 8260B Analyses

Laboratory Control Sample		
Spiked	Measured	Spike

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	Conc. (ug/m3)	Conc. (ug/m3)	Recovery (%)
1,1-Dichloroethene	1000	1220	122
Benzene	1000	914	91
Toluene	1000	882	88
Chlorobenzene	1000	974	97
Trichloroethene (TCE)	1000	930	93

Surrogate Recovery	
Dibromofluoromethane	91.9
1,2-Dichloroethane-d4	101
Toluene-d8	94.1
4-Bromofluorobenzene	95.2

ACCEPTABLE RECOVERY LIMITS FOR LCS: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 6-4.5-5.0 100727	Method Blank	KSC-SG 43-0.5 100728	KSC-SG 49-0.5 100728	KSC-SG 49-0.5 100728 Dup	KSC-SG 29-0.5 100728
Date Sampled	Reporting	7/27/10	N/A	N/A	7/28/10	7/28/10	7/28/10
Date Analyzed	Limits (ug/m3)	7/27/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		94.3	95.3	88.7	91.4	99.1	99.3
1,2-Dichloroethane-d4		85.6	84.9	98.3	103	104	103
Toluene-d8		89.7	90.2	91.9	93.5	88.8	89.9
4-Bromofluorobenzene		99	97.5	104	106	107	105

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

QA/QC Data - EPA 8260B Analyses

	Laboratory Control Sample		
	Spiked Conc. (ug/m3)	Measured Conc. (ug/m3)	Spike Recovery (%)
1,1-Dichloroethene	1000	1270	127
Benzene	1000	827	83
Toluene	1000	778	78
Chlorobenzene	1000	858	86
Trichloroethene (TCE)	1000	810	81
Surrogate Recovery			
Dibromofluoromethane			94.3
1,2-Dichloroethane-d4			83.5
Toluene-d8			90.7
4-Bromofluorobenzene			92.7

ACCEPTABLE RECOVERY LIMITS FOR LCS: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 31-0.5 100728	KSC-SG 38-0.5 100728	KSC-SG 45-0.5 100728	KSC-SG 9-4.5-5.0 100728	KSC-SG 30-0.5 100728	KSC-SG 33-0.5 100728
Date Sampled	Reporting	7/28/10	7/28/10	7/28/10	7/28/10	7/28/10	7/28/10
Date Analyzed	Limits	7/28/10	7/28/10	7/28/10	7/28/10	7/28/10	7/28/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		93.8	97	97.2	94.1	94.1	91.1
1,2-Dichloroethane-d4		106	109	93.7	99.9	84.1	84.6
Toluene-d8		93.9	89.5	90.2	91.5	91.1	92.8
4-Bromofluorobenzene		101	99.8	98.2	96.2	107	105

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 35-0.5 100728	KSC-SG 36-0.5 100728	KSC-SG 37-0.5 100728	KSC-SG 8-4.5-5 100728	KSC-SG 11-4.5-5 100728	Method Blank
Date Sampled	Reporting	7/28/10	7/28/10	7/28/10	7/28/10	7/28/10	N/A
Date Analyzed	Limits (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/28/10 (ug/m3)	7/29/10 (ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		92.6	89.1	95.1	98.5	85	103
1,2-Dichloroethane-d4		102	92.2	102	107	88	78.3
Toluene-d8		94.8	91.8	94.2	94.9	92.4	88.6
4-Bromofluorobenzene		94.2	94.2	97.3	101	106	91.2

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

QA/QC Data - EPA 8260B Analyses

	Laboratory Control Sample		
	Spiked Conc. (ug/m3)	Measured Conc. (ug/m3)	Spike Recovery (%)
1,1-Dichloroethene	1000	1310	131
Benzene	1000	816	82
Toluene	1000	817	82
Chlorobenzene	1000	834	83
Trichloroethene (TCE)	1000	800	80
Surrogate Recovery			
Dibromofluoromethane			113
1,2-Dichloroethane-d4			107
Toluene-d8			86.6
4-Bromofluorobenzene			99.5

ACCEPTABLE RECOVERY LIMITS FOR LCS: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 24-4.5-5.0 100728	KSC-SG 27-4.5-5.0 100728	KSC-SG 26-4.5-5.0 100728	KSC-SG 26-4.5-5.0 100728 Dup	KSC-SG 28-4.5-5.0 100728	KSC-SG 32-0.5 100729
Date Sampled	Reporting	7/28/10	7/28/10	7/28/10	7/28/10	7/28/10	7/29/10
Date Analyzed	Limits	7/29/10	7/29/10	7/29/10	7/29/10	7/29/10	7/29/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		96.7	101	108	101	105	104
1,2-Dichloroethane-d4		77.4	106	119	103	112	94.9
Toluene-d8		86.4	87.8	89.8	92.1	91.9	89.2
4-Bromofluorobenzene		95.5	107	99.3	105	103	90.2

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 40-0.5 100729	KSC-SG 48-0.5 100729	KSC-SG 57-0.5 100729	KSC-SG 56-0.5 100729	KSC-SG 59-0.5 100729	KSC-SG 58-0.5 100729
Date Sampled	Reporting	7/29/10	7/29/10	7/29/10	7/29/10	7/29/10	7/29/10
Date Analyzed	Limits	7/29/10	7/29/10	7/29/10	7/29/10	7/29/10	7/29/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		94.6	106	101	104	106	104
1,2-Dichloroethane-d4		97	107	87.1	109	109	111
Toluene-d8		87.8	92.6	89.7	93.9	94.3	89.4
4-Bromofluorobenzene		104	102	112	103	104	103

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 51-0.5 100729	KSC-SG 34-4.5-5 100729	KSC-SG 21-4.5-5 100729	KSC-SG 46-4.5-5 100729	Method Blank	KSC-SG 44-4.5-5 100729
Date Sampled	Reporting	7/29/10	7/29/10	7/29/10	7/29/10	N/A	7/29/10
Date Analyzed	Limits (ug/m3)	7/29/10 (ug/m3)	7/29/10 (ug/m3)	7/29/10 (ug/m3)	7/29/10 (ug/m3)	7/30/10 (ug/m3)	7/30/10 (ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		100	110	102	103	103	96.5
1,2-Dichloroethane-d4		108	98.3	97.1	119	96.4	99.7
Toluene-d8		92.9	92.5	90.5	85.8	88.8	93.7
4-Bromofluorobenzene		108	106	96.5	101	104	93.5

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

QA/QC Data - EPA 8260B Analyses

	Laboratory Control Sample		
	Spiked Conc. (ug/m3)	Measured Conc. (ug/m3)	Spike Recovery (%)
1,1-Dichloroethene	1000	1210	121
Benzene	1000	760	76
Toluene	1000	762	76
Chlorobenzene	1000	882	88
Trichloroethene (TCE)	1000	785	79
Surrogate Recovery			
Dibromofluoromethane			92.3
1,2-Dichloroethane-d4			88.8
Toluene-d8			86
4-Bromofluorobenzene			90.6

ACCEPTABLE RECOVERY LIMITS FOR LCS: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 44-4.5-5 100729 Dup	KSC-SG 39-4.5-5 100730	KSC-SG 47-4.5-5 100730	KSC-SG 52-4.5-5 100730	KSC-SG 53-4.5-5 100730	KSC-SG 54-4.5-5 100730
Date Sampled	Reporting	7/29/10	7/30/10	7/30/10	7/30/10	7/30/10	7/30/10
Date Analyzed	Limits	7/30/10	7/30/10	7/30/10	7/30/10	7/30/10	7/30/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		94.6	73.9	89.7	87.5	97	89.9
1,2-Dichloroethane-d4		102	79.3	109	93.5	110	104
Toluene-d8		94	83.9	93.1	93.1	91.8	93.6
4-Bromofluorobenzene		98.3	113	97.7	100	101	106

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 55-4.5-5 100730	KSC-SG 41-4.5-5 100730	KSC-SG 42-4.5-5 100730	KSC-SG 3a-4.5-5 100730	KSC-SG 3b-4.5-5 100730	KSC-SG 3c-4.5-5 100730
Date Sampled	Reporting	7/29/10	7/30/10	7/30/10	7/30/10	7/30/10	7/30/10
Date Analyzed	Limits	7/30/10	7/30/10	7/30/10	7/30/10	7/30/10	7/30/10
	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
Chloromethane	200	nd	nd	nd	nd	nd	nd
Vinyl chloride	20	nd	nd	nd	nd	nd	nd
Bromomethane	200	nd	nd	nd	nd	nd	nd
Chloroethane	200	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	200	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	200	nd	nd	nd	nd	nd	nd
Methylene chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	100	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	100	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	100	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	100	nd	nd	nd	nd	nd	nd
1,2-Dichloropropane	100	nd	nd	nd	nd	nd	nd
Bromodichloromethane	100	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
Toluene	100	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	100	nd	nd	nd	nd	nd	nd
Dibromochloromethane	100	nd	nd	nd	nd	nd	nd
Chlorobenzene	100	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
Total Xylenes	100	nd	nd	nd	nd	nd	nd
Styrenes	100	nd	nd	nd	nd	nd	nd
Bromoform	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		93.4	90.2	87.2	95	87.1	87.9
1,2-Dichloroethane-d4		109	110	98.2	105	104	98
Toluene-d8		96	89.6	95	94.5	92.7	96.4
4-Bromofluorobenzene		100	104	101	99.4	101	107

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

STRIKER PROPERTY PROJECT
Kent, Washington
Landau Associates, Inc.
Client Project #025195-020
Libby Env.Project No.L100727-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260C IN VAPOR

Sample Description		KSC-SG 3d-4.5-5 100730
Date Sampled	Reporting	7/29/10
Date Analyzed	Limits	7/30/10
	(ug/m3)	(ug/m3)
Chloromethane	200	nd
Vinyl chloride	20	nd
Bromomethane	200	nd
Chloroethane	200	nd
Trichlorofluoromethane	200	nd
1,1-Dichloroethene	200	nd
Methylene chloride	100	nd
trans-1,2-Dichloroethene	100	nd
1,1-Dichloroethane	100	nd
cis-1,2-Dichloroethene	100	nd
Chloroform	100	nd
1,1,1-Trichloroethane (TCA)	100	nd
Carbon tetrachloride	100	nd
Benzene	100	nd
1,2-Dichloroethane (EDC)	100	nd
Trichloroethene (TCE)	100	nd
1,2-Dichloropropane	100	nd
Bromodichloromethane	100	nd
cis-1,3-Dichloropropene	100	nd
Toluene	100	nd
Trans-1,3-Dichloropropene	100	nd
1,1,2-Trichloroethane	100	nd
Tetrachloroethene (PCE)	100	nd
Dibromochloromethane	100	nd
Chlorobenzene	100	nd
Ethylbenzene	100	nd
Total Xylenes	100	nd
Styrenes	100	nd
Bromoform	100	nd
1,1,2,2-Tetrachloroethane	100	nd
Surrogate Recovery		
Dibromofluoromethane		90.2
1,2-Dichloroethane-d4		108
Toluene-d8		90
4-Bromofluorobenzene		100

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LANDAU ASSOCIATES

☑ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

Chain-of-Custody Record

Date 7/27/10
Page 1 of 2

Project Name Project Striker Project No. 07545.020
Project Location/Event Striker Property
Sampler's Name CPB, GJH
Project Contact Tim Stveerson / Joe Flaherty
Send Results To " / Joe Flaherty

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Testing Parameters: VOCs

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs
KSC-SG-20-4.5-5.0-100727	~~7/27/10~~	915	AIR	1	X
KSC-SG-17-4.5-5.0-100727		1045		1	X
KSC-SG-18-0.5-100727		1050		1	X
KSC-SG-17-0.5-100727		1110		1	X
KSC-SG-22-4.5-5.0-100727		1115		1	X
KSC-SG-16-4.5-5.0-100727		1145		1	X
KSC-SG-13-4.5-5.0-100727		1245		1	X
KSC-SG23-0.5-100727		1148		1	X
KSC-SG12-0.5-100727		1255		1	X
KSC-SG-14-4.5-5.0-100727		1315		1	X
KSC-SG-15-4.5-5.0-100727		1330		1	X
KSC-SG-10-0.5-100727		1320		1	X
KSC-SG-7-0.5-100727		1335		1	X
KSC-SG-3-0.5-100727		1415		1	X
KSC-SG-1-4.5-5.0-100727		1400		1	X
KSC-SG-2-4.5-5.0-100727		1415		1	X
KSC-SG-4-4.5-5.0-100727		1445		1	X
KSC-SG-50-0.5-100727		1445		1	X

Observations/Comments

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name: Gary Hartsoe	Printed Name: Sherry L Childutt	Printed Name	Printed Name
Company: Landau Associates	Company: Lib, ENV	Company	Company
Date: 7/27/10 Time: 1600	Date: 7-27-10 Time: 1601	Date: Time:	Date: Time:

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Rev 8/09

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Client: Landau Associates
Address:
Phone: Fax:
Client Project # 025195.020

Date: 7-27-10 Page: 2 of 2
Project Manager: Tim Syverson / Joe Flaherty
Project Name: Project Striker
Location: Striker Property
Collector: CFB, GFH Date of Collection: 7-27-10

	Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals			Field Note/# Containers
1	KSL-SG25-0.5+	100727	1505	Air	Tedlar			X											1
2	KSC-SG-5-4.5-5.0-100727	4.5-5.0	1515	Air	Tedlar			X											1
3	KSC-SG-6-4.5-5.0-100727	4.5-5.0	1545	Air	Tedlar			X											1
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			

Relinquished by	Date / Time	Received by	Date / Time
[signature]	7/27/10 1600	[signature]	7-27-10 1601
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

LANDAU ASSOCIATES

☒ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

Chain-of-Custody Record

Date 7/28/10
Page 1 of 2

Project Name Project Striker Project No. 025195.020
Project Location/Event Striker Property
Sampler's Name CFB/SED/BHB
Project Contact Tim Sivertson / Joe Flaherty
Send Results To Tim Sivertson

Turnaround Time
☒ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters: VOCs	Observations/Comments
KSC-SG43-0.5-100728	7/28/10	0830	Air	1	X	
KSC-SG49-0.5-100728		0850		1	X	
KSC-SG29-0.5-100728		0935		1	X	
KSC-SG31-0.5-100728		0950		1	X	
KSC-SG38-0.5-100728		1010		1	X	
KSC-SG45-0.5-100728		1020		1	X	
KSC-SG-9-4.5-5-100728	~~7/27/10~~	1200		1	X	
~~KSC-SG43-0.5-100728~~	~~7/28/10~~	~~0830~~				
KSC-SG-30-0.5-100728		1105		1	X	
KSC-SG-32-0.5-100728		1120		1	X	
KSC-SG-35-0.5-100728		1250		1	X	
KSC-SG-36-0.5-100728		1305		1	X	
KSC SG 37-0.5 100728		1315		1	X	
KSC SG-8-4.5-5-100728		1320		1	X	
KSC SG-11-4.5-5-100728		1405		1	X	
KSC SG-24-4.5-5-100728		1440		1	X	
KSC-SG-27-4.5-5-100728		1505		1	X	
KSC-SG-26-4.5-5-100728		1540		1	X	

SED 7/28/10

Observations/Comments
- X Allow water samples to settle, collect aliquot from clear portion
- X NWTPH-Dx - run acid wash/silica gel cleanup
- ___ run samples standardized to _____ product
- ___ Analyze for EPH if no specific product identified
- VOC/BTEX/VPH (soil):
  - ___ non-preserved
  - ___ preserved w/methanol
  - ___ preserved w/sodium bisulfate
  - ___ Freeze upon receipt
- ___ Dissolved metal water samples field filtered
- Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name: Chris Burke	Printed Name: Sherry L. Chilcutt	Printed Name	Printed Name
Company: Landau	Company: Libby & Co.	Company	Company
Date 7/28/10 Time 1625	Date 7/28/10 Time 1625	Date _____ Time _____	Date _____ Time _____

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LANDAU ASSOCIATES

☑ Seattle (Edmonds) (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (Tigard) (503) 443-6010
☐ _____

Chain-of-Custody Record

Date 7/28/10
Page 2 of 2

Project Name Project Striker Project No. 025195.020
Project Location/Event Striker Property
Sampler's Name CFB/SED/BHB
Project Contact Joe Flaherty / Tim Syverson
Send Results To " / "

Turnaround Time
☑ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters: VOCs	Observations/Comments
KSC-SG-78-4.5-5-100728	7/28/10	1600	AIR	1	X	

Testing Parameters

___ Allow water samples to settle, collect aliquot from clear portion

NWTPH-Dx:
___ run acid wash/silica gel cleanup
___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature: CBL	Signature: Sherry L Chilcutt	Signature:	Signature:
Printed Name: Chris Burke	Printed Name: Sherry L Chilcutt	Printed Name:	Printed Name:
Company: LANDAU	Company: Libby ENV	Company:	Company:
Date: 7/28/10 Time: 1625	Date: 7 28 10 Time: 1625	Date: Time:	Date: Time:

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Rev 4/01

LANDAU ASSOCIATES

☒ **Seattle (Edmonds)** (425) 778-0907
☐ **Tacoma** (253) 926-2493
☐ **Spokane** (509) 327-9737
☐ **Portland (Tigard)** (503) 443-6010
☐ _____

Chain-of-Custody Record

Date 7/29/10
Page 1 of 1

Project Name Project Strike Project No. 025195.020
Project Location/Event Strike Property
Sampler's Name CHB / SED / BHB
Project Contact Jon Hahn / Tim Seaverson
Send Results To " "

Testing Parameters

Turnaround Time
☒ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs
KSC-SG-32-0.5-100729	7/29/10	1020	Air	1	X
KSC-SG-40-0.5-100729	↓	1015	Air	1	X
KSC-SG-48-0.5-100729		1025	Air	1	X
KSC-SG-57-0.5-100729		1040	Air	1	X
KSC-SG-56-0.5-100729		1050	Air	1	X
KSC-SG-59-0.5-100729		1110	Air	1	X
KSC-SG-58-0.5-100729		1125	Air	1	X
KSC-SG-51-0.5-100729		1140	Air	1	X
KSC-SG-34-4.5-5-100729		1140	Air	1	X
KSC-SG-21-4.5-5-100729		1210	Air	1	X
KSC-SG-46-4.5-5-100729		1050	Air	1	X
KSC-SG-44-4.5-5-100729		1115	Air	1	X

Observations/Comments

___ Allow water samples to settle, collect aliquot from clear portion

NWTPH-Dx:
___ run acid wash/silica gel cleanup
___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name: Chris P. Lucke	Printed Name: Sherry Chilcutt	Printed Name	Printed Name
Company: Landau	Company: Libby, ENV	Company	Company
Date: 7/29/10 Time: 1240	Date: 7-29-10 Time: 1246	Date _____ Time _____	Date _____ Time _____

WHITE COPY - Project File YELLOW COPY - Laboratory PINK COPY - Client Representative

Rev 4/01

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☒ **Seattle (Edmonds)** (425) 778-0907
☐ **Tacoma** (253) 926-2493
☐ **Spokane** (509) 327-9737
☐ **Portland (Tigard)** (503) 443-6010
☐ _____

Chain-of-Custody Record

Date 7-30-10
Page 1 of 1

Project Name Project Striker Project No. 025195.020
Project Location/Event Striker Property
Sampler's Name SED CFB
Project Contact Joe Flaherty / Tim Syverson
Send Results To " / "

Turnaround Time
☒ Standard
☐ Accelerated
☐ _____

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters: VOCs
KSC-SG-39-4.5-5-100730	7/30/10	835	Air	1	X
KSC-SG-47-4.5-5-100730	7/30/10	905	Air	1	X
KSC-SG-52-4.5-5-100730	7/30/10	970	Air	1	X
KSC-SG-53-4.5-5-100730	7/30/10	940	Air	1	X
KSC-SG-54-4.5-5-100730	7/30/10	1000	Air	1	X
KSC-SG-55-4.5-5-100730	7/30/10	1020	Air	1	X
KSC-SG-41-4.5-5-100730	7/30/10	1145	Air	1	X
KSC-SG-42-4.5-5-100730	7/30/10	1200	Air	1	X
KSC-SG-3A-4.5-5-100730	7/30/10	1305	Air	1	X
KSC-SG-3B-4.5-5-100730	7/30/10	1320	Air	1	X
KSC-SG-3C-4.5-5-100730	7/30/10	1340	Air	1	X
KSC-SG-3D-4.5-5-100730	7/30/10	1400	Air	1	X

Observations/Comments

___ Allow water samples to settle, collect aliquot from clear portion

NWTPH-Dx:
___ run acid wash/silica gel cleanup
___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other _____

Special Shipment/Handling or Storage Requirements

Method of Shipment

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name: Chris Burke	Printed Name: Sherry Churchill	Printed Name	Printed Name
Company: CANAL	Company: Libby ENV	Company	Company
Date: 7/30/10 Time: 1405	Date: 7-30-10 Time: 1406	Date Time	Date Time

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Rev 4/01

ATTACHMENT B

Boring Logs

Soil Classification System

MAJOR DIVISIONS			GRAPHIC SYMBOL	USCS LETTER SYMBOL[1]	TYPICAL DESCRIPTIONS [2][3]
COARSE-GRAINED SOIL (More than 50% of material is larger than No. 200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on No. 4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well-graded gravel; gravel/sand mixture(s); little or no fines
				GP	Poorly graded gravel; gravel/sand mixture(s); little or no fines
		GRAVEL WITH FINES (Appreciable amount of fines)		GM	Silty gravel; gravel/sand/silt mixture(s)
				GC	Clayey gravel; gravel/sand/clay mixture(s)
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through No. 4 sieve)	CLEAN SAND (Little or no fines)		SW	Well-graded sand; gravelly sand; little or no fines
				SP	Poorly graded sand; gravelly sand; little or no fines
		SAND WITH FINES (Appreciable amount of fines)		SM	Silty sand; sand/silt mixture(s)
				SC	Clayey sand; sand/clay mixture(s)
FINE-GRAINED SOIL (More than 50% of material is smaller than No. 200 sieve size)	SILT AND CLAY (Liquid limit less than 50)			ML	Inorganic silt and very fine sand; rock flour; silty or clayey fine sand or clayey silt with slight plasticity
				CL	Inorganic clay of low to medium plasticity; gravelly clay; sandy clay; silty clay; lean clay
				OL	Organic silt; organic, silty clay of low plasticity
	SILT AND CLAY (Liquid limit greater than 50)			MH	Inorganic silt; micaceous or diatomaceous fine sand
				CH	Inorganic clay of high plasticity; fat clay
				OH	Organic clay of medium to high plasticity; organic silt
	HIGHLY ORGANIC SOIL			PT	Peat; humus; swamp soil with high organic content

OTHER MATERIALS	GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
PAVEMENT		AC or PC	Asphalt concrete pavement or Portland cement pavement
ROCK		RK	Rock (See Rock Classification)
WOOD		WD	Wood, lumber, wood chips
DEBRIS		DB	Construction debris, garbage

Notes:
1. USCS letter symbols correspond to symbols used by the Unified Soil Classification System and ASTM classification methods. Dual letter symbols (e.g., SP-SM for sand or gravel) indicate soil with an estimated 5-15% fines. Multiple letter symbols (e.g., ML/CL) indicate borderline or multiple soil classifications.
2. Soil descriptions are based on the general approach presented in the Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), outlined in ASTM D 2488. Where laboratory index testing has been conducted, soil classifications are based on the Standard Test Method for Classification of Soils for Engineering Purposes, as outlined in ASTM D 2487.
3. Soil description terminology is based on visual estimates (in the absence of laboratory test data) of the percentages of each soil type and is defined as follows:

Primary Constituent:	> 50%	"GRAVEL," "SAND," "SILT," "CLAY," etc.
Secondary Constituents:	> 30% and ≤ 50%	"very gravelly," "very sandy," "very silty," etc.
	> 15% and ≤ 30%	"gravelly," "sandy," "silty," etc.
Additional Constituents:	> 5% and ≤ 15%	"with gravel," "with sand," "with silt," etc.
	≤ 5%	"with trace gravel," "with trace sand," "with trace silt," etc., or not noted.

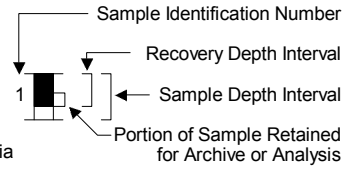
4. Soil density or consistency descriptions are based on judgement using a combination of sampler penetration blow counts, drilling or excavating conditions, field tests, and laboratory tests, as appropriate.

Drilling and Sampling Key

SAMPLER TYPE

Code	Description
a	3.25-inch O.D., 2.42-inch I.D. Split Spoon
b	2.00-inch O.D., 1.50-inch I.D. Split Spoon
c	Shelby Tube
d	Grab Sample
e	Single-Tube Core Barrel
f	Double-Tube Core Barrel
g	2.50-inch O.D., 2.00-inch I.D. WSDOT
h	3.00-inch O.D., 2.375-inch I.D. Mod. California
i	Other - See text if applicable
1	300-lb Hammer, 30-inch Drop
2	140-lb Hammer, 30-inch Drop
3	Pushed
4	Vibrocore (Rotosonic/Geoprobe)
5	Other - See text if applicable

SAMPLE NUMBER & INTERVAL



Field and Lab Test Data

Code	Description
PP = 1.0	Pocket Penetrometer, tsf
TV = 0.5	Torvane, tsf
PID = 100	Photoionization Detector VOC screening, ppm
W = 10	Moisture Content, %
D = 120	Dry Density, pcf
-200 = 60	Material smaller than No. 200 sieve, %
GS	Grain Size - See separate figure for data
AL	Atterberg Limits - See separate figure for data
GT	Other Geotechnical Testing
CA	Chemical Analysis

Groundwater

▽ Approximate water level at time of drilling (ATD)

▼ Approximate water level at time other than ATD

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Project Striker
Kent, Washington

Soil Classification System and Key

Figure B-1

DP-01

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/ SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp) [Fill]	
2	1	d3		0.0				
4						ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet) [Native]	
6	2	d3		0.0				ATD
8								
10	3	d3		0.0				
12								
14	4	d3		0.0		SP	Gray, silty, fine SAND (no odor, no sheen) (medium dense, wet)	
16							-No recovery from 16-20 ft	
18	5	d3		--				
20								

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Kent, Washington

Log of Boring DP-01

Figure
B-2
(1 of 2)

DP-01

SAMPLE DATA						SOIL PROFILE	GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): _____	Water Level
20								

Boring Completed 07/28/10
Total Depth of Boring = 20.0 ft.

22
24
26
28
30
32
34
36
38
40

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Kent, Washington

Log of Boring DP-01

Figure
B-2
(2 of 2)

DP-02

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, fine SAND with silt and gravel (no odor, no sheen) (medium dense, damp) [Fill]	
2	1	d3		0.0				
						SP/SM	Gray, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, moist to wet)	
4								
6	2	d3		0.0				
8						ML	Gray, SILT with clay and organics (no odor, no sheen) (medium stiff, wet) [Native]	▽ ATD
10	3	d3		0.0				
12								
14	4	d3		0.0				
16								
18	5	d3		0.0				
20								

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Kent, Washington

Log of Boring DP-02

Figure
B-3
(1 of 2)

DP-02

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
20						ML	Gray, SILT with sand (no odor, no sheen) (medium stiff, wet)	
22	6	d3		0.0		SP/ SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
24								

Boring Completed 07/29/10
Total Depth of Boring = 24.0 ft.

26
28
30
32
34
36
38
40

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Project Striker Kent, Washington	Log of Boring DP-02	Figure B-3 (2 of 2)

DP-03

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, moist to wet) [Fill]	
2	1	d3		0.0				
4								
6	2	d3		35				▽ ATD
						SP/SM	Gray, fine to medium SAND with silt and gravel (odor, sheen) (medium dense, wet)	
8								
10	3	d3		20		SP/SM	Brown to gray, fine to medium SAND with silt, clay and gravel (odor, no sheen) (medium dense, wet)	
12							-No recovery from 12-16 ft	
14	4	d3		--				
16								
18								
20								

Boring Completed 07/29/10
Total Depth of Boring = 16.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Kent, Washington

Log of Boring DP-03

Figure
B-4

DP-04

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SM	Brown, silty, fine SAND with gravel (no odor, no sheen) (medium dense, damp to moist) [Fill]	
2	1	d3		0.0				
4								
6	2	d3		0.0		ML	Brown, SILT with sand and gravel (no odor, no sheen) (medium stiff, wet) [Native]	▽ ATD
						ML	Gray, SILT with sand and gravel (no odor, no sheen) (medium stiff, wet)	
8						SP	Gray, fine to medium SAND with gravel (no odor, no sheen) (medium dense, wet)	
10	3	d3		0.0				
						ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet)	
12								

Boring Completed 07/29/10
Total Depth of Boring = 12.0 ft.

14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Log of Boring DP-04

Figure
B-5

DP-05

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp) [Fill]	
2	1	d3		0.0				
4						SM	Brown, silty, fine to medium SAND with gravel (no odor, no sheen) (medium dense, damp)	
6	2	d3		0.0		SP/SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, moist to wet)	
8							-No recovery 8-16 ft	▽ ATD
10	3	d3		--				
12								
14	4	d3		--				
16								
18								
20								

Boring Completed 07/29/10
Total Depth of Boring = 16.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-05

Figure
B-6

DP-07

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP	Brown, medium SAND with gravel (no odor, no sheen) (loose, damp) [Fill]	
2	1	d3		0.0		SP/ SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, moist to wet)	
4								▽ ATD
6	2	d3		0.0		ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet) [Native]	
8								

Boring Completed 07/29/10
Total Depth of Boring = 8.0 ft.

10
12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-07

Figure
B-7

DP-08

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
2	1	d3		0.0		SP/ SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp to moist) [Fill]	
4								
6	2	d3		0.0		ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet) [Native]	▽ ATD
8								

Boring Completed 07/29/10
Total Depth of Boring = 8.0 ft.

10
12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-08

Figure
B-8

DP-09

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/ SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp) [Fill]	
2	1	d3		0.0		SP/ SM	Gray, fine SAND with gravel and silt (no odor, no sheen) (medium dense, moist to wet)	
4								
6	2	d3		0.0				▽ ATD
						ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet) [Native]	
8								
10	3	d3		0.0				
12								
						SP/ SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
14	4	d3		0.0				
16								
18								
20								

Boring Completed 07/29/10
Total Depth of Boring = 16.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Kent, Washington

Log of Boring DP-09

Figure
B-9

DP-11

SAMPLE DATA					SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/ SM	Brown, fine SAND with silt (no odor, no sheen) (medium dense, damp to moist) [Fill]	
2	1	d3		0.0				
4								
6	2	d3		0.0		ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet) [Native]	▽ ATD
8								
10	3	d3		0.0				
12						SP/ SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
14	4	d3		0.0				
16						ML	Gray, SILT with sand (no odor, no sheen) (medium stiff, wet)	
18								
20								

Boring Completed 07/30/10
Total Depth of Boring = 16.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Project Striker
Kent, Washington

Log of Boring DP-11

Figure
B-10

DP-13

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/ SM	Brown, fine SAND with silt (no odor, no sheen) (medium dense, moist) [Fill]	
2	1	d3		0.0				
4								▽ ATD
						SP	Brown, medium to coarse SAND (no odor, no sheen) (medium dense, wet)	
6	2	d3		0.0				
8								

Boring Completed 07/30/10
Total Depth of Boring = 8.0 ft.

10
12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Project Striker
Kent, Washington

Log of Boring DP-13

Figure
B-11

DP-15

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP	Brown, medium to coarse SAND with gravel (no odor, no sheen) (medium dense, damp) [Fill]	
2	1	d3		0.0		SP	Gray, fine to medium SAND with trace silt (no odor, no sheen) (medium dense, damp to moist)	
4						SP/ SM	Gray, medium to coarse SAND with silt (no odor, no sheen) (medium dense, moist to wet)	
6	2	d3		0.0		ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, wet) [Native]	▽ ATD
8								
10	3	d3		0.0		ML	Gray, sandy SILT (no odor, no sheen) (medium stiff, wet)	
12								
14	4	d3		0.0		SP/ SM	Gray, fine to medium SAND with silt (no odor, no sheen) (medium dense, wet)	
16								
18								
20								

Boring Completed 07/30/10
Total Depth of Boring = 16.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

LANDAU ASSOCIATES

Project Striker
Kent, Washington

Log of Boring DP-15

Figure
B-12

DP-16

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, medium to coarse SAND with silt (no odor, no sheen) (medium dense, damp) [Fill]	
						SP/SM	Gray, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp)	
2	1	d3		0.0		SP/SM	Gray, fine SAND with silt (slight odor, no sheen) (medium dense, damp)	
						SP/SM	Gray, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp to moist)	
4						SP/SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, moist to wet)	
6	2	d3		0.0		ML	Gray, SILT with clay (no odor, no sheen) (medium stiff, moist to wet) [Native]	▽ ATD
8						SP/SM	Gray, fine to medium SAND with silt (no odor, no sheen) (medium dense, wet)	
10	3	d3		0.0				
12						ML	Gray, SILT with clay and sand (no odor, no sheen) (medium stiff, wet)	
						SP/SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
14	4	d3		0.0				
16								
18								
20								

Boring Completed 07/30/10
Total Depth of Boring = 16.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Project Striker Kent, Washington	Log of Boring DP-16	Figure B-13

DP-17

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/ SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, damp to moist) [Fill]	
2	1	d3		0.0				
4								
								▽ ATD
6						ML	Gray SILT with sand (no odor, no sheen) (medium stiff, wet) [Native]	
	2	d3		0.0				
8								
10						SP	Gray, fine to medium SAND with trace silt (no odor, no sheen) (medium dense, wet)	
12								
14								
16								
18								
20								

Boring Completed 01/27/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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LANDAU ASSOCIATES

Project Striker
Kent, Washington

Log of Boring DP-17

Figure
B-14

DP-18

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, fine to medium SAND with silt, gravel, and trace organics (no odor, no sheen) (medium dense, moist) [Fill]	
2	1	d3		0.0				
4						SM	Gray, silty, fine to medium SAND (no odor, no sheen) (medium dense, wet)	▽ ATD
6						ML	Gray SILT (no odor, no sheen) (medium stiff, wet) [Native]	
8	2	d3		0.0				
10						SP/SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	

Boring Completed 01/27/11
Total Depth of Boring = 10.0 ft.

12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Project Striker
Kent, Washington

Log of Boring DP-18

Figure
B-15

DP-19

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (medium dense, moist) [fill]	
2	1	d3		0.0		SP/SM	Gray, fine to medium SAND with silt and gravel (no odor, no sheen) (dense, moist)	
						SP/SM	Brown, fine to medium SAND with silt and trace gravel (no odor, no sheen) (dense, moist to wet)	▽ ATD
6						ML	Gray, SILT with sand (no odor, no sheen) (medium stiff to stiff, moist to wet) [Native]	
	2	d3		0.0				
8						SP/SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
10								

Boring Completed 01/27/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

LANDAU ASSOCIATES

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Log of Boring DP-19

Figure
B-16

DP-20

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SM	Brown, silty, fine to medium SAND with gravel (no odor, no sheen) (medium dense to dense, moist) [Fill]	
2	1	d3		0.0				
4								
6								ATD
8	2	d3		0.0		ML	Gray, SILT (no odor, no sheen) (medium stiff to stiff, wet) [Native]	
10						SP/SM	Gray, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
12								
14								
16								
18								
20								

Boring Completed 01/27/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Project Striker
Kent, Washington

Log of Boring DP-20

Figure
B-17

DP-21

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SM	Dark Brown, organic rich, silty, fine to medium SAND (organic-like odor, no sheen) (medium dense, moist) [Fill]	
						SP/ SM	Brown, fine to medium SAND with silt, and concrete fragments and gravel (no odor, no sheen) (dense, moist to wet)	
2	1	d3		0.0				▽ ATD
						SP	Gray, fine to medium SAND with trace silt (no odor, no sheen) (medium dense, wet)	
4								
6	2	d3		0.0		SM	Gray, silty, fine SAND (no odor, no sheen) (medium dense, wet)	
8								

Boring Completed 01/26/11
Total Depth of Boring = 8.0 ft.

10
12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-21

Figure
B-18

DP-22

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/ SM	Brown, fine to coarse SAND with silt and gravel (no odor, no sheen) (dense, moist) [Fill]	
2	1	d3		0.0				
						SP/ SM	Gray, fine to medium SAND with silt and trace gravel (no odor, no sheen) (medium dense, wet)	▽ ATD
4								
6						ML	Gray, SILT with sand (no odor, no sheen) (medium stiff, wet) [Native]	
	2	d3		0.0				
8								
10								

Boring Completed 01/26/11
Total Depth of Boring = 10.0 ft.

12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Project Striker Kent, Washington	Log of Boring DP-22	Figure B-19

DP-23

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/ SM	Brown, fine to coarse SAND with silt and gravel (no odor, no sheen) (medium dense, damp) [Fill]	
2	1	d3		0.0		SP/ SM	Gray, fine to medium SAND with silt and trace gravel (no odor, no sheen) (medium dense, moist)	
4								
							No recovery, rock in sampler	
6								▽ ATD
	2	d3		0.0				
8						SM	Gray, silty, fine to medium SAND (no odor, no sheen) (medium dense, wet) [Native]	
10								

Boring Completed 01/26/11
Total Depth of Boring = 10.0 ft.

12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Project Striker Kent, Washington	Log of Boring DP-23	Figure B-20

DP-24

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/SM	Brown, fine to coarse SAND with silt and gravel (no odor, no sheen) (medium dense, wet) [Fill]	ATD
2	1	d3		0.0		SM	Brown, silty, fine to medium SAND with trace gravel (no odor, no sheen) (dense, wet)	
4						SP/SM	Gray, fine to medium SAND with silt (hydrocarbon-like odor, slight sheen) (medium dense, wet)	
6								
8	2	d3		3.8		ML	Gray, SILT (no odor, no sheen) (stiff, wet) [Native]	
10						SM	Gray, silty, fine to medium SAND (no odor, no sheen) (medium dense, wet)	

Boring Completed 01/26/11
Total Depth of Boring = 10.0 ft.

12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-24

Figure
B-21

DP-24a

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): _____	Water Level
0						AC	Asphalt	ATD
						GP	Gravel Base Coarse	
						SM	Light brown, silty, fine to coarse SAND with gravel (no odor, no sheen) (medium dense, damp)	
2	1	d3		8.5				
4				0.3				
6				38.7		GM	Brown, silty, sandy, medium to coarse GRAVEL (no odor, no sheen) (medium dense, damp)	
						ML	Grey clayey SILT (petroleum-like odor, no sheen) (medium stiff, moist) [Native]	
8	2	d3						
				40.9			Strongest petroleum-like odor at 9-10 ft	
10								ATD
						SP-SM	Grey, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
12	3	d3						
14								
16								
18								
20								

Boring Completed 05/20/11
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Project Striker Kent, Washington	Log of Boring DP-24a	Figure B-22

DP-24b

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SM	Brown, silty, gravelly, fine to coarse SAND (no odor, no sheen) (dense, damp) [Fill]	
2	1	d3		0.4				
4								
6						ML	Grey, clayey SILT (no odor, no sheen) (medium stiff, moist) [Native]	
8	2	d3						
				14.8		SP	Grey, fine SAND with trace silt (slight petroleum-like odor, no sheen) (medium dense, wet)	▽ ATD
10							no odor at 11-12 ft	
12	3	d3						
14								
16								
18								
20								

Boring Completed 05/20/11
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-24b

Figure
B-23

DP-24c

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Water Level
0						AC	Asphalt
						GP	Gravel Base Coarse
						SM	Grey to brown, gravelly, silty, fine to coarse SAND (no odor, no sheen) (dense, damp)
2	1	d3		1.3			
4							
6						SM	Grey, silty, fine SAND (no odor, no sheen) (medium dense, moist)
	2	d3		2.1			
8							
10							ATD

Drilling Method: Geoprobe™

Ground Elevation (ft): _____

Boring Completed 05/20/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-24c

Figure
B-24

DP-24d

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						GP	Gravel Base Coarse	
						SM	Brown, silty, gravelly, fine to coarse SAND (no odor, no sheen) (medium dense, moist)	
2	1	d3		1.9				
4								
6						SP	Grey, fine to medium SAND with trace gravel and wood fragments (no odor, no sheen) (moist, medium dense)	
				2.5		ML	Grey, clayey SILT (no odor, no sheen) (medium stiff, moist) [Native]	
8	2	d3						
10							wet at 10 ft	▽ ATD
12	3	d3				SP-SM	Grey, fine SAND with silt (no odor, no sheen) (medium dense, wet)	
14								
16								
18								
20								

Boring Completed 05/20/11
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-24d

Figure
B-25

DP-25

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/ SM	Brown, fine to coarse SAND with silt and gravel (no odor, no sheen) (medium dense, moist to wet) [Fill]	
2	1	d3		0.0				
4								ATD
6								
8	2	d3		0.0			Geotextile fabric at 8 ft, no recovery below 8 ft due to pea gravel fill. Location moved 15 ft west (See DP-25b), outside of excavation fill area.	
10								
12								
14								
16								
18								
20								

Boring Completed 01/26/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-25

Figure
B-26

DP-25b

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						AC	Asphalt	
						SP/ SM	Brown, fine to coarse SAND with silt and gravel (no odor, no sheen) (medium dense, moist to wet) [Fill]	
2	1	d3		0.0				
4								ATD
						SM	Gray, silty, fine to medium SAND (hydrocarbon-like odor, no sheen) (medium dense, wet)	
6								
	2	d3		6.1		ML	Gray, SILT (no odor, no sheen) (medium stiff, wet) [Native]	
8								
						SM	Gray, silty, fine SAND (no odor, no sheen) (medium dense, wet)	
10								

Boring Completed 01/26/11
Total Depth of Boring = 10.0 ft.

12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Project Striker Kent, Washington	Log of Boring DP-25b	Figure B-27

DP-26

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): _____	Water Level
0						SP/SM	Brown, fine to medium SAND with silt, gravel, and organics (no odor, no sheen) (loose, moist to wet) [Fill]	
2	1	d3		0.0				ATD
4								
6								
8	2	d3		0.0		SP/SM	Gray, fine to medium SAND with silt and trace gravel (no odor, no sheen) (medium dense, wet) [Native]	
10						ML	Gray, SILT with sand (no odor, no sheen) (medium stiff, wet) [Native]	

Boring Completed 01/25/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-26

Figure
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DP-27

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft): _____	Water Level
0						SP/SM	Brown, fine to medium SAND with silt, gravel, and organics (no odor, no sheen) (medium dense to dense, moist to wet) [Fill]	
2	1	d3		0.0				
4								▽ ATD
6								
8	2	d3		0.0				
10						ML	Gray, SILT with sand (no odor, no sheen) (medium stiff, moist to wet) [Native]	
12	3	d3		0.0				
14						ML	Brown, organic rich, Silt (organic odor, no sheen) (medium stiff, moist)	
16								
18								
20								

Boring Completed 01/25/11
Total Depth of Boring = 15.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-27

Figure
B-29

DP-28

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SM	Brown, silty, fine to medium SAND with gravel and trace organics (no odor, no sheen) (medium dense, moist) [Fill]	
2	1	d3		0.0				
4						SP	Gray, fine to medium SAND with trace gravel and trace silt (no odor, no sheen) (medium dense, wet)	
6								▽ ATD
8	2	d3		0.0				
10								
12								
14								
16								
18								
20								

Boring Completed 01/25/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Log of Boring DP-28

Figure
B-30

DP-29

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SM	Brown, silty, fine to medium SAND with gravel (no odor, no sheen) (medium dense, moist to wet) [Fill]	
2	1	d3		0.0				
4								
6								
8	2	d3		0.0				ATD
10						SM	Gray, silty, fine to medium SAND with gravel and trace organics (no odor, no sheen) (medium dense, wet)	
12								
14								
16								
18								
20								

Boring Completed 01/25/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

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Kent, Washington

Log of Boring DP-29

Figure
B-31

DP-30

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, fine to medium SAND with silt, gravel, and organics (no odor, no sheen) (medium dense, moist to wet) [Fill]	
2	1	d3		0.0				
4								ATD
6						SP/SM	Gray, fine to medium SAND with silt and trace gravel (no odor, no sheen) (medium dense, wet)	
8	2	d3		0.0				
10						ML	Gray, sandy, SILT (no odor, no sheen) (medium stiff, wet) [Native]	
12								
14								
16								
18								
20								

Boring Completed 01/25/11
Total Depth of Boring = 10.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

LANDAU ASSOCIATES

Project Striker
Kent, Washington

Log of Boring DP-30

Figure
B-32

DP-31

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/ SM	Brown, fine to medium SAND with silt and gravel (no odor, no sheen) (dense, moist) [Fill]	
2	1	d3		0.0		SM	Gray, silty, fine SAND with trace organics (no odor, no sheen) (medium dense, wet) [Native]	
4								
6	2	d3		0.0				▽ ATD
8								

Boring Completed 01/26/11
Total Depth of Boring = 8.0 ft.

10
12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Kent, Washington

Log of Boring DP-31

Figure
B-33

DP-32

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						SP/SM	Brown, fine to medium SAND with silt, gravel, and trace organics (no odor, no sheen) (medium dense, moist) [Fill]	
2	1	d3		0.0				
4						SP/SM	Gray, fine to medium SAND with silt and trace organics (no odor, no sheen) (medium dense, moist to wet) [Native]	▽ ATD
6	2	d3		0.0				
8							Mottling at 7.5 ft	
10								
12								
14								
16								
18								
20								

Boring Completed 01/26/11
Total Depth of Boring = 8.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Kent, Washington

Log of Boring DP-32

Figure
B-34

DP-33

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: Geoprobe™ Ground Elevation (ft):	Water Level
0						ML	Brown, SILT with organics (no odor, no sheen) (medium stiff, damp to moist) [Native]	
2	1	d3		0.0				
						SP/ SM	Gray with red mottling, fine to medium SAND with silt and trace organics (no odor, no sheen) (medium dense, wet)	▽ ATD
4								
6	2	d3		0.0				
8								

Boring Completed 01/26/11
Total Depth of Boring = 8.0 ft.

10
12
14
16
18
20

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

25195.001 7/13/11 N:\PROJECTS\025195.001.GPJ SOIL BORING LOG

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Kent, Washington

Log of Boring DP-33

Figure
B-35

ATTACHMENT C

Statistical Evaluation for Hexavalent Chromium in Groundwater

APPENDIX C
STATISTICAL EVALUATION OF HEXAVALENT CHROMIUM CONCENTRATIONS IN GROUNDWATER

This appendix summarizes the statistical evaluation conducted as part of the Phase II Environmental Site Assessment (ESA) to determine compliance with the preliminary screening levels (PSLs). Hexavalent chromium is present in groundwater at a concentration exceeding the PSL at one location within the boundaries of the Striker Property (DP-5).

The Model Toxics Control Act (MTCA) allows for compliance with screening levels if the following are true:

- No single sample concentration is greater than two times the screening level
- Less than 10 percent of the concentrations exceed the soil screening level
- The upper one-sided 95 percent confidence limit (UCL) on the true mean groundwater concentration is less than the screening level.

The data set used for the statistical evaluation consists of 12 groundwater samples at the Striker Property. The samples were collected from temporary well screens placed in direct-push borings. As described below, all of the above criteria are true for this data set and; therefore, the hexavalent chromium concentrations in groundwater at the Striker Property comply with the hexavalent chromium PSL.

- The concentrations associated with the single hexavalent chromium PSL exceedance is 0.0049 milligrams per liter (mg/L), which is less than two times the PSL of 0.048 mg/L.
- Only one concentration in the data set of 12 exceeds the PSL; therefore, less than 10 percent of the concentrations exceed the hexavalent chromium PSL for groundwater.
- The UCL for the data is 0.042 mg/L, which is less than the 0.048 mg/L hexavalent chromium PSL for groundwater.

The UCL was calculated using MTCAStat software (Ecology 1997[1]). The data set was determined by MTCAStat to more closely resemble a normal distribution pattern. The data set and statistical results are documented in an attached report generated using MTCAStat.

[1] Ecology website. 1997. *Toxics Cleanup Program: Statistical Tools*. http://www.ecy.wa.gov/programs/tcp/tools/toolmain.html#Statistical_Tools. Accessed July 2011.

CALCULATION OF UPPER CONFIDENCE LIMIT FOR HEXAVALENT CHROMIUM IN GROUNDWATER STRIKER PROPERTY, KENT SPACE CENTER KENT, WASHINGTON

Number of samples		Uncensored values	
Uncensored	7	Mean	0.03
Censored	0	Lognormal mean	0.03
Detection limit or PQL	0.01	Std. devn.	0.01181404
Method detection limit		Median	0.038
TOTAL	7	Min.	0.014
		Max.	0.049

Lognormal distribution?		Normal distribution?	
r-squared is:	0.864	r-squared is:	0.939

Recommendations:
Use normal distribution.

UCL (based on t-statistic) is 0.0423903356395756