KANE ENVIRONMENTAL INC

January 6, 2014

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RE: Initial Investigation/Site Hazard Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Ms. Musa:

Attached is the Phase II Environmental Site Assessment that is being submitted as an Initial Investigation/Site Hazard Assessment for the property located at 2415 and 2421 Hewitt Avenue in Everett, Washington. This report is being submitted following Ecology's Initial Investigation and Site Hazard Assessment; WAC 173-340-310 & WAC 173-340-320.

Please note that concentrations of total petroleum hydrocarbons (TPH) gasoline, and Trichloroethene (TCE) in soil were detected at concentrations above the Model Toxics Control Act (MTCA) soil cleanup standards, and TCE and cadmium were found in groundwater above their respective MTCA groundwater cleanup standards at the above address.

Thank you.

Regards,
KANE ENVIRONMENTAL, INC.

John Kane
CEO/President

Phase II Site Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Prepared For:

Mr. Kevin Hanchett
Resource Transition Consultants, LLC
144 Railroad Avenue, Suite 310
Edmonds, Washington 98020

December 3, 2012

Project Number: 55702

Prepared By:

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1.0 INTRODUCTION

Kane Environmental, Inc. (Kane Environmental) has conducted a Phase II Environmental Site Assessment (ESA) at the properties located at 2415 and 2421 Hewitt Avenue, Everett, Washington (Property). The Property vicinity is displayed in Figure 1.

1.1 Background

The Property currently contains two adjoined buildings and an asphalt parking area on the east side of the Property. Kane Environmental reviewed the document *Phase I Environmental Site Assessment* prepared by Sound Earth Strategies (SES) and dated February 17, 2012. According to this report, the Property has a long history of metal plating operations as well as a decommissioned underground storage tank (UST) previously used for gasoline. While petroleum hydrocarbon contamination in the vicinity of the tank has been confirmed, additional contamination was suspected due to the presence of the metal plating operations, and further investigation was recommended.

1.2 Scope of Work

The scope of work conducted by Kane Environmental included the following:

- Locate underground utilities;
- Advance at least four soil borings using a Geoprobe rig outside the buildings;
- Advance at least nine soil borings inside the buildings using a limited access Geoprobe-type rig to investigate regions within the buildings identified as areas of concern in the SES report;
- Complete a report detailing the results of the field investigation and including a summary of conclusions.

The scope of work was planned to include the sampling of groundwater in addition to soils from each boring for chemical analysis, however due to subsurface conditions, perched, near-surface groundwater was only encountered in one boring.

2.0 SUBSURFACE CONDITIONS

2.1 Geologic Setting

According to the Washington Interactive Geologic Map, the Property is underlain by Vashon till which consists of dense silt, sand, gravel, and clay. These soils are characterized as having relatively low hydraulic conductivity.

2.2 Hydrogeologic Setting

According to the SES report, the topography at the Property slopes gently towards the south, indicating that shallow-seated, or perched groundwater may flow in a southerly direction.

3.0 FIELD METHODOLOGY

On October 22, and 23, 2012, in order to assess the soil and groundwater conditions on the Property based on the findings of the investigation by SES, Kane Environmental advanced a total of fifteen (15) soil borings. Five were completed outside the buildings using a truck mounted Geoprobe drill rig, and ten were completed inside the buildings using a limited access Geoprobe type drill rig. The locations of the borings are shown on Figure 2, and the boring logs are included as Attachment B. Field methods utilized, including sample collection, field screening, soil sampling, groundwater sampling, selected analysis, and documentation procedures are briefly described in the following subsections. Sample collection and documentation were completed in accordance with Kane Environmental standard operating procedures.

3.1 Utility Locate

Kane Environmental contacted the Washington Utilities Underground Location Center prior to starting the fieldwork to conduct a general locating survey for telephone, gas, water, sewer, communication, and electric service for study areas at the Property. Areas identified as utility corridors by Washington Utilities Underground Location Center were marked. No work occurred in areas marked as containing underground utilities.

3.2 Sampling Locations

Soil borings conducted outside the buildings were located as follows:

- Soil boring KSB-1 was located in the concrete sidewalk south of the buildings in the vicinity of the gasoline UST that was reported to be abandoned in place.

- Soil boring KSB-2 was located in the southern portion of the eastern paved parking lot.

- Soil boring KSB-3 was located centrally in the eastern paved parking lot, adjacent to the former zinc plating area within the building.

- Soil boring KSB-4 was located up gradient from the buildings in eastern portion of the alley to the north.

- Soil boring KSB-5 was located up gradient from the buildings in western portion of the alley to the north.

Borings conducted within the buildings were located as follows:

- Boring KLA-1 was located in the northwest corner of the western building (2415) in the area of stained flooring noted in the SES report.

- Boring KLA-2 was located in the west side of the 2415 building in the area of the former waste oil storage.

- Borings KLA-3, KLA-4, and KLA-5 were located in the area of anodizing and conversion coating operation within the northeastern portion of the 2415 building.

- Boring KLA-6 was located in the southeast corner of the 2421 building adjacent to the former location of the gasoline dispensing pump island.

- Borings KLA-7, and KLA-10 were located in the eastern portion of the 2421 building in the former zinc plating area.

- Borings KLA-8, and KLA-9 were located in the western portion of the 2421 building in the former CAD / copper plating area.

Soil samples were collected from each boring at the time of drilling. Groundwater samples were collected from KLA-8 only. All boring locations are shown in Figure 2.

3.3 Sample Collection Methods

Soil samples from the borings were collected in an acetate liner placed inside the Geoprobe rods or a split spoon sampler. Soil samples were logged for physical properties such as grain size, color, and moisture. Soil samples were obtained utilizing the collection, preparation and preservation methods outlined in EPA Method 5035A, as required by Ecology. Soil samples were placed into 4-ounce pre-cleaned, laboratory prepared, glass jars with Teflon lids. Soil samples were selected for analysis based on depth to groundwater and field observations

Water samples were collected after completion of the soil boring containing groundwater. A temporary well was constructed by inserting five (5) feet of PVC screen into the boring. Disposable tubing was then extended down the PVC well and groundwater samples were collected using a peristaltic pump. Groundwater was placed in the appropriate laboratory-supplied, pre-cleaned and preserved containers for analysis.

The soil and groundwater samples were immediately placed into ice-filled coolers and transported to Fremont Analytical (Fremont) in Seattle, Washington under standard chain-of-custody procedures.

Soil sampling nomenclature for the borings advanced outside the buildings with the truck mounted rig identified each soil sample with a "KSB" for samples from the soil borings. Borings advanced inside the buildings with the limited access rig were identified as "KLA". Following the "KSB" or "KLA" designation was a number which corresponded to that particular boring. The last number designated the sample depth. For example, soil sample "KSB-3: 7" was the third soil boring and the sample was collected from seven (7) feet bgs. The groundwater samples were labeled with "H2O". For example, groundwater sample "KLA-8-H2O" was the groundwater sample collected from the eighth interior soil boring.

3.4 Field Screening Methods

Following collection, samples were inspected visually for any indication of contamination (discoloration and/or odor).

4.0 ANALYTICAL METHODS

Soil and groundwater samples were submitted to the laboratory. Soil samples were analyzed for contaminants based on the area of concern in which they were located. The following analyses were conducted on selected samples.

- Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), by EPA Method 8260;
- Volatile Organic Compounds by EPA Method 8260 – detects chlorinated solvents tetrachloroethylene (PCE), trichloroethylene (TCE), and others;
- TPH-Volatile Range (also referred to as Gasoline Range) by Northwest Method NWTPH-Gx;
- TPH-Diesel and Heavy Oil Range by Northwest Method NWTPH-Dx Extended;
- Cyanide by SM 4500-CN;

- Total Metals by EPA Method 200.8. Metals included Cadmium, Chromium, Copper, Lead, and Zinc.

All analyses were performed in accordance with Fremont's in-house Quality Assurance/Quality Control Plans. Sample analyses were performed in compliance with EPA analytical methods and Ecology guidelines. Samples were analyzed within specified holding times. All detection limits were within method requirements and no factors appeared to adversely affect data quality.

4.1 Laboratory QA/QC Procedures

Internal test methods run by the laboratory to ensure data accuracy and reproducibility include method blanks, method blank duplicates, surrogate blanks, and surrogate blank duplicates.

5.0 ANALYTICAL RESULTS

5.1 Soil Samples

Soil samples from KSB-1 (in the vicinity of the gasoline tank) taken at 8.5 feet bgs reported gasoline concentration of 404 mg/kg, well above the MTCA Method A Cleanup Level of 100 mg/kg. Gasoline was not detected at 10 feet bgs, while heavy oil was detected well below the MTCA Method A Cleanup Level of 2000 mg/kg. No BTEX or TCE were detected.

All soil samples analyzed from KSB-2, KSB-3, KSB-4, KSB-5, and KSB-6, reported non-detectable concentrations for all volatile organic analytes, except TCE. TCE concentrations were above the MTCA Method A Cleanup Level of 0.05 mg/kg in all samples tested except KSB-5:10. All soil samples analyzed reported lead concentrations below the MTCA Method A Soil Cleanup Level for Unrestricted Use. All soil samples tested for total chromium reported concentrations above the MTCA Method A Soil Cleanup Level for Unrestricted Use for chromium VI (19 mg kg), yet below the limit for chromium III (2,000 mg/kg).

Soil sample analytical results are summarized in Tables 1 and 2. The laboratory analytical reports are included as Attachment A.

5.2 Groundwater Samples

Groundwater was collected from boring KLA-8 only. TCE was detected at 76.6 µg/l (ppb), well above the MTCA Method A Groundwater Cleanup Level of 5 µg/l. All other volatile organic compounds were below the MTCA Method A limit. Cadmium was detected at 863 µg/l, well above the MTCA Method A Groundwater Cleanup Level of 5 µg/l. All other metals were below the MTCA Method A or Method B limits. Water sample analytical results are summarized in Tables 2 and 3. The laboratory analytical reports are included as Attachment A.

6.0 DISCUSSION AND CONCLUSIONS

Soil and groundwater samples collected during the Phase II ESA reported concentrations of analytes above the MTCA Method A Soil and Groundwater Cleanup Levels. Soil samples collected from the UST area in the sidewalk south of the buildings reported concentrations of gasoline exceeding the MTCA Method A Soil Cleanup Levels for Unrestricted Uses. Trichloroethylene (TCE) was detected at concentrations exceeding the MTCA Method A Soil Cleanup Levels for Unrestricted Uses at multiple locations inside and outside the buildings. Gasoline concentrations exceeded the MTCA Method A Levels for Unrestricted Uses in the northwestern corner of the interior of the buildings, while gasoline was not detected in an adjacent boring outside the building. In addition, total chromium was detected at concentrations which excede the MTCA Method A Soil Cleanup Levels for Unrestricted Uses for chromium VI, but below the level for chromium III.

Perched groundwater was encountered at one location on the Property, in an interior boring in the former CAD / copper plating area. The water collected from this boring exceeded MTCA Method A limits for TCE as well as cadmium.

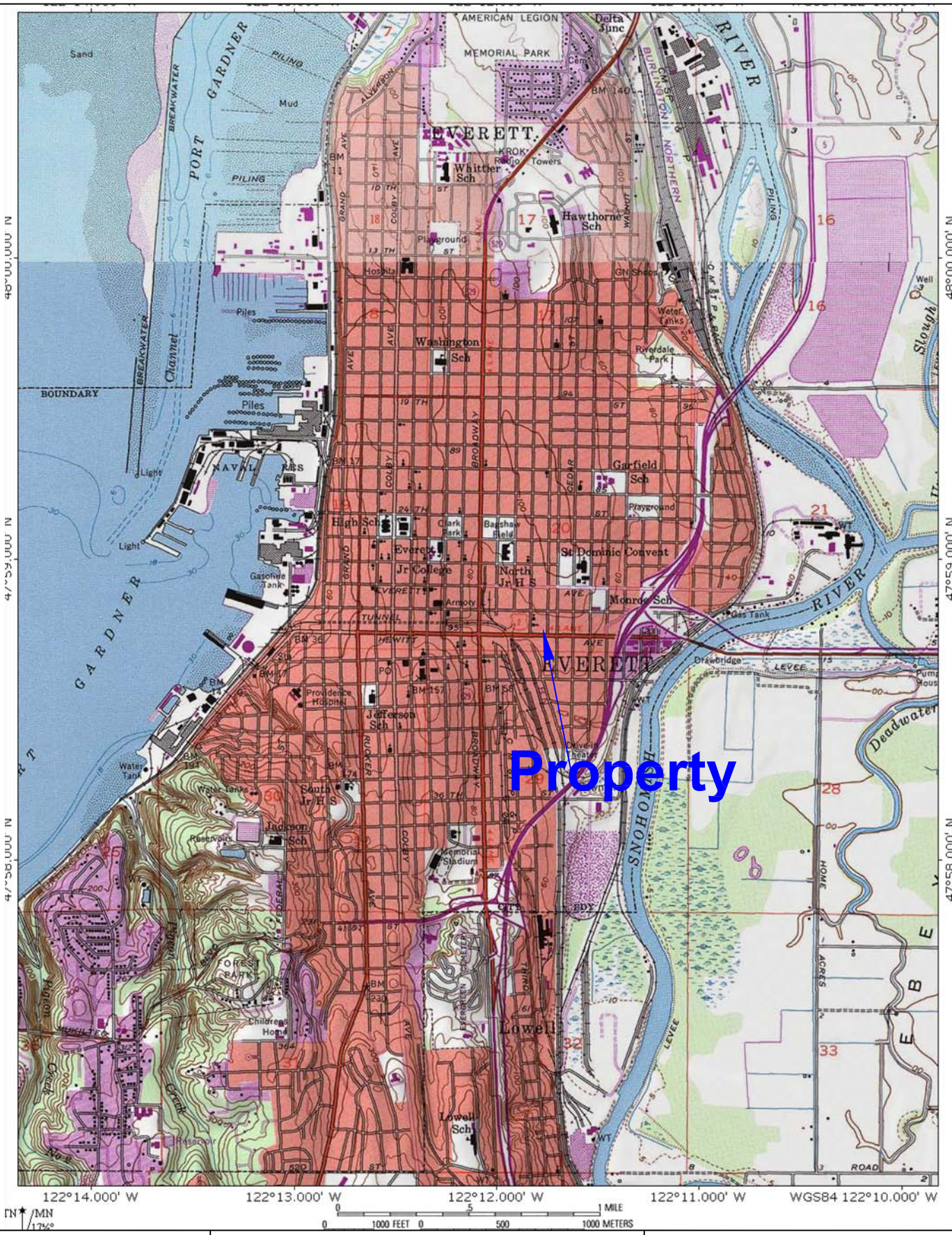
Kane Environmental recommends two groundwater wells be installed in the eastern parking area, in order to determine if TCE contaminated groundwater is present onsite. In addition, soil should be re-sampled from select locations to analyze chromium III and chromium VI speciation to determine if the chromium VI concentrations meet MTCA regulations.

7.0 LIMITATIONS

Kane Environmental has performed this work in general accordance with generally accepted professional practices using the standard of the industry today, for the nature and conditions of the work completed in the same locality and at the same time as the work was performed, and with the terms and conditions as set forth in our proposal.

Kane Environmental shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. Facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time the work was performed. This Phase II Assessment Report does not include other services not specifically described in the scope of work in Section 1.0 of this report. Conclusions were made within the operative constraints of the scope of work, budget, and schedule for this project.

FIGURES



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Phase II Environmental Site Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Figure 1
Vicinity Map

LEGEND

⊗ Soil Boring Location

0 22 44

Approximate Scale in Feet

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Phase II Environmental Site Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Figure 2
Site Plan

TABLES

TABLE 1
Summary of Petroleum Products, BTEX, TCE, Metals, and Cyanide in Soil
Phillips Mannor, 2415 and 2421 Hewitt Avenue, Everett, WA
Everett, Washington

Sample ID	Sample Depth	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Gasoline	Diesel	Heavy oil	Trichloroethylene (TCE)	Lead	Total Chromium	Zinc	Cadmium	Copper	Cyanide
	(in feet)		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
KSB-1:8.5	8.5	10/22/2012	nd	nd	nd	nd	**404**	91.9	nd	nd	3.01	–	–	–	–	–
KSB-1:10	10	10/22/2012	nd	nd	nd	nd	nd	nd	101	nd	2.49	–	–	–	–	–
KSB-2:10	10	10/22/2012	nd	nd	nd	nd	nd	nd	nd	**0.059**	2.18	–	–	–	–	–
KSB-2-24	24	10/22/2012	nd	nd	nd	nd	nd	nd	nd	**0.102**	1.75	–	–	–	–	–
KSB-3:9	9	10/22/2012	nd	nd	nd	nd	nd	nd	nd	**0.063**	–	29.4	29.0	–	–	nd
KSB-4A:10	10	10/22/2012	nd	nd	nd	nd	nd	nd	nd	**0.146**	–	–	–	–	–	–
KSB-5:10	10	10/22/2012	nd	nd	nd	nd	nd	nd	nd	**0.031**	–	–	–	–	–	–
KLA-1-7	7	10/22/2012	nd	nd	nd	**0.884**	**2750**	83.3	466	**0.213**	5.08	–	–	–	–	–
KLA-2-7	7	10/22/2012	nd	nd	nd	nd	–	nd	nd	nd	4.66	–	–	–	–	–
KLA-3-4	4	10/22/2012	–	–	–	–	–	–	–	–	–	146	123	nd	–	nd
KLA-3-7	7	10/22/2012	nd	nd	nd	nd	–	–	–	**0.032**	–	42.2	40.6	nd	–	nd
KLA-4-2	2	10/22/2012	–	–	–	–	–	–	–	–	–	102	107	nd	–	nd
KLA-4-4	4	10/22/2012	–	–	–	–	–	–	–	–	–	126	110	nd	–	nd
KLA-4-8	8	10/22/2012	nd	nd	nd	nd	–	–	–	nd	–	68	73.7	nd	–	nd
KLA-5-4	4	10/22/2012	–	–	–	–	–	–	–	–	–	138	117	nd	–	nd
KLA-5-7	7	10/22/2012	nd	nd	nd	nd	–	–	–	**0.626**	–	76.4	60.4	nd	–	nd
KLA-6-7	7	10/22/2012	nd	nd	nd	nd	nd	nd	nd	nd	3.65	–	43.6	nd	34.1	–
KLA-6-10	10	10/22/2012	nd	nd	nd	nd	nd	nd	nd	nd	2.27	–	–	–	–	–
KLA-7-4	4	10/23/2012	nd	nd	nd	nd	–	–	–	**0.770**	–	140	114	0.43	–	nd
KLA-7-8	8	10/23/2012	nd	nd	nd	nd	–	–	–	**0.488**	–	59.3	50.7	nd	–	nd
KLA-8-4	4	10/23/2012	nd	nd	nd	nd	–	–	–	**0.048**	–	107	54.4	0.467	–	–
KLA-8-6.5	6.5	10/23/2012	nd	nd	nd	nd	–	–	–	**0.151**	–	94.2	48.1	0.226	–	–
KLA-9-4	4	10/23/2012	nd	nd	nd	nd	–	–	–	**0.190**	–	80.8	48.8	0.225	–	nd
KLA-10-4	4	10/23/2012	nd	nd	nd	nd	–	–	–	**0.769**	–	83.8	102	nd	–	nd
Method Reporting Limit			*0.03*	*0.05*	*0.050*	*0.05*	*10*	*20*	*50*	*0.0275*	*0.2*	*0.1*	*0.4*	*0.2*	*0.2*	*0.6*
MTCA Method A Cleanup Level			*0.03*	*7*	*6*	*9*	*100*	*2000*	*2000*	*0.05*	*250*	*NV**	*NV*	*2*	*NV*	*NV*
MTCA Method B Cleanup Level												*NV*	*24000*		*2960*	*3200*

Notes:
mg/kg = milligrams per kilogram (equivalent to parts per million)
nd = No value detected at method reporting limit
– = Not analyzed
Shaded and Bold concentrations are above MTCA Method A Cleanup Level for Unrestricted Land Use.
NV = no value for cleanup level

TABLE 2
Summary of Volatile Organic Compounds in Soil and Water
Phillips Mannor, 2415 and 2421 Hewitt Avenue
Everett, Washington

Sample ID	KLA-1-7	Soil Method Reporting Limit (mg/kg)	Soil MTCA Method A or Method B Cleanup Level (mg/kg)	KLA-8-H2O	Water Method Reporting Limit (mg/kg)	Water MTCA Method A or Method B Cleanup Level (µg/l
Sample Depth (in feet)	7					
Sample Date	10/22/12			10/23/12		
Matrix	Soil			Water		
	mg/kg	mg/kg	mg/kg	µg/l	µg/l	µg/l
Benzene	nd	0.1	0.03	nd	1.0	5
Bromobenzene	nd	0.25	NV	nd	1.0	NV
Bromodichloromethane	nd	0.25	16.1	nd	1.0	0.706
Bromoform	nd	0.25	127	nd	1.0	5.54
Bromomethane	nd	0.25	112	nd	1.0	11.2
2-Butanone (MEK)	nd	0.5	1	nd	1.0	4,800
n-Butylbenzene	nd	0.25	NV	nd	1.0	NV
sec-Butylbenzene	nd	0.25	NV	nd	1.0	NV
tert-Butylbenzene	0.139	0.25	NV	nd	1.0	NV
Carbon Tetrachloride	nd	0.25	8	nd	1.0	0.337
Chlorobenzene	nd	0.25	1,600	nd	1.0	160
Chloroethane	nd	0.25	NV	nd	1.0	NV
Chloroform	nd	0.25	164	nd	1.0	7.17
Chloromethane	nd	0.25	77	nd	1.0	3.37
2-Chlorotoluene	nd	0.25	1,600	nd	1.0	NV
4-Chlorotoluene	nd	0.25	1,600	nd	1.0	NV
Dibromochloromethane	nd	0.25	12	nd	1.0	5.21
1,2-Dibromo-3-chloropropane	nd	0.25	1	nd	1.0	0.0313
1,2-Dibromoethane (EDB)	nd	0.03	0.005	nd	0.0100	0.01
Dibromomethane	nd	0.25	NV	nd	1.0	NV
1,2-Dichlorobenzene	nd	0.25	7,200	nd	1.0	720
1,3-Dichlorobenzene	nd	0.25	NV	nd	1.0	NV
1,4-Dichlorobenzene	nd	0.25	42	nd	1.0	1.82
Dichlorodifluoromethane	nd	0.25	16,000	nd	1.0	1,600
1,1-Dichloroethane	nd	0.25	8,000	nd	1.0	800
1,2-Dichloroethane	nd	0.25	11	nd	1.0	5
1,1-Dichloroethene	nd	0.25	2	nd	1.0	0.0729
cis-1,2-Dichloroethene	nd	0.25	800	nd	1.0	80
trans-1,2-Dichloroethene	nd	0.25	1,600	nd	1.0	160
1,2-Dichloropropane	nd	0.25	15	nd	1.0	0.643
1,3-Dichloropropane	nd	0.25	NV	nd	1.0	NV
2,2-Dichloropropane	nd	0.25	NV	nd	2.0	NV
1,1-Dichloropropene	nd	0.25	NV	nd	1.0	NV
cis-1,3-Dichloropropene	nd	0.25	5.56	nd	1.0	NV
trans-1,3-Dichloropropene	nd	0.25	5.56	nd	1.0	NV
Ethylbenzene	nd	0.25	6	nd	1.0	700
Hexachlorobutadiene	nd	0.25	12.8	nd	4.0	0.561
Hexane	nd	0.05	4800.0	nd	1.0	NV
2-Hexanone	nd	0.05	NV	nd	1.0	NV
Isopropylbenzene	2.33	0.25	NV	nd	1.0	NV
Isopropyltoluene	1.8	0.25	NV	nd	1.0	NV
Methylene Chloride	nd	0.05	0.02	nd	1.0	5
4-Methyl-2-Pentanone (MIBK)	nd	0.05	NV	nd	1.0	640
Methyl t-butyl ether (MTBE)	nd	0.05	0.1	nd	1.0	20
Naphthalene	nd	0.25	5 [a]	nd	1.0	160
n-Propylbenzene	2.73	0.25	NV	nd	1.0	NV
Styrene	nd	0.25	33	nd	1.0	1.46
1,1,1,2-Tetrachloroethane	nd	0.25	38	nd	1.0	1.68
1,1,2,2-Tetrachloroethane	nd	0.25	5	nd	1.0	0.219
Tetrachloroethylene (PCE)	nd	0.1	0.05	nd	1.0	5
Toluene	nd	0.25	7	2.76	1.0	1,000
1,2,3-Trichlorobenzene	nd	0.25	NV	nd	4.0	NV
1,2,4-Trichlorobenzene	nd	0.25	800	nd	2.0	80
1,1,1-Trichloroethane	nd	0.25	72,000	nd	1.0	200
1,1,2-Trichloroethane	nd	0.25	18	nd	1.0	0.768
Trichloroethene (TCE)	**0.213**	0.1	0.03	**76.6**	10.0	5
Trichlorofluoromethane	nd	0.25	24,000	nd	1.0	2,400
1,2,3-Trichloropropane	nd	0.25	0.14	nd	1.0	0.00625
1,2,4-Trimethylbenzene	2.20	0.25	NV	1.63	1.0	NV
1,3,5-Trimethylbenzene	2.59	0.25	NV	nd	1.0	NV
Vinyl Chloride	nd	0.25	0.67	nd	0.200	0.2
Xylenes	0.884	0.25	9	4.74	1.0	1,000
m,p-Xylene	0.884	0.1	NV	3.42	1.0	NV
o-Xylene	nd	0.05	NV	1.32	1.0	NV

Notes:
mg/kg = milligrams per kilogram (equivalent to parts per million)
µg/l = micrograms per liter (equivalent to parts per billion)
nd = Not detected at method reporting limit
NV = No cleanup value under this criteria
Shaded and Bold concentrations are above reported cleanup level

TABLE 3
Summary of Metals, and Cyanide in Water
Phillips Mannor, 2415 and 2421 Hewitt Avenue, Everett, WA
Everett, Washington

Sample ID	Sample Date	Total Chromium	Zinc	Cadmium	Copper	Cyanide
		µg/l	µg/l	µg/l	µg/l	mg/l
KLA-8-H2O	10/23/2012	4.76	17.6	**863**	11.6	1.89
Method Reporting Limit		*0.500*	*1.50*	*0.200*	*0.500*	*0.125*
MTCA Method A Cleanup Level		*50*	*NV*	*5*	*NV*	*NV*
MTCA Method B Cleanup Level			*4800*		*48*	*NV*
*Federal MCLG**						*200*

Notes:
µg/l = micrograms per liter (equivalent to parts per billion)
mg/l = milligrams per liter (equivalent to parts per million)
nd = No value detected at method reporting limit
– = Not analyzed
Shaded and Bold concentrations are above reported cleanup level
NV = no value for cleanup level
* = Ground Water ARAR - Federal Maximum Contaminant Level Goal (MCLG)

ATTACHMENT A
LABORATORY ANALYTICAL DATA

1311 N. 35th St.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Kane Environmental, Inc.
John Kane
3815 Woodland Park Ave N, Ste. 102
Seattle, Washington 98103

RE: Phillips Manor Phase II
Lab ID: 1210212

November 26, 2012

Attention John Kane:

Fremont Analytical, Inc. received 54 sample(s) on 10/24/2012 for the analyses presented in the following report.

Cyanide by SM 4500-CN C, E
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 200.8
Total Metals by EPA Method 6020
Volatile Organic Compounds by EPA Method 8260

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee
Sr. Chemist / Principal

Fremont Analytical

Date: *11/26/2012*

CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II
Lab Order: 1210212

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1210212-001	KSB-1:8.5	10/22/2012 9:10 AM	10/24/2012 9:30 AM
1210212-002	KSB-1:10	10/22/2012 9:15 AM	10/24/2012 9:30 AM
1210212-003	KSB-1:22	10/22/2012 9:50 AM	10/24/2012 9:30 AM
1210212-004	KSB-1:25	10/22/2012 10:00 AM	10/24/2012 9:30 AM
1210212-005	KSB-2:10	10/22/2012 10:45 AM	10/24/2012 9:30 AM
1210212-006	KSB-2:15	10/22/2012 11:00 AM	10/24/2012 9:30 AM
1210212-007	KSB-2:24	10/22/2012 11:25 AM	10/24/2012 9:30 AM
1210212-008	KSB-3:3.5	10/22/2012 11:50 AM	10/24/2012 9:30 AM
1210212-009	KSB-3:9	10/22/2012 11:55 AM	10/24/2012 9:30 AM
1210212-010	KSB-3:22	10/22/2012 12:20 PM	10/24/2012 9:30 AM
1210212-011	KSB-4:4	10/22/2012 12:55 PM	10/24/2012 9:30 AM
1210212-012	KSB-4A:10	10/22/2012 1:10 PM	10/24/2012 9:30 AM
1210212-013	KSB-4A:25	10/22/2012 1:40 PM	10/24/2012 9:30 AM
1210212-014	KSB-5:10	10/22/2012 2:10 PM	10/24/2012 9:30 AM
1210212-015	KSB-5:28	10/22/2012 2:45 PM	10/24/2012 9:30 AM
1210212-016	KLA-1-4	10/22/2012 9:10 AM	10/24/2012 9:30 AM
1210212-017	KLA-1-7	10/22/2012 9:20 AM	10/24/2012 9:30 AM
1210212-018	KLA-1-10	10/22/2012 9:25 AM	10/24/2012 9:30 AM
1210212-019	KLA-1-12	10/22/2012 9:40 AM	10/24/2012 9:30 AM
1210212-020	KLA-2-4	10/22/2012 10:00 AM	10/24/2012 9:30 AM
1210212-021	KLA-2-7	10/22/2012 10:10 AM	10/24/2012 9:30 AM
1210212-022	KLA-2-10	10/22/2012 10:20 AM	10/24/2012 9:30 AM
1210212-023	KLA-2-12	10/22/2012 10:35 AM	10/24/2012 9:30 AM
1210212-024	KLA-2-16	10/22/2012 10:50 AM	10/24/2012 9:30 AM
1210212-025	KLA-3-4	10/22/2012 11:50 AM	10/24/2012 9:30 AM
1210212-026	KLA-3-7	10/22/2012 12:00 PM	10/24/2012 9:30 AM
1210212-027	KLA-3-10	10/22/2012 12:10 PM	10/24/2012 9:30 AM
1210212-028	KLA-3-12	10/22/2012 12:20 PM	10/24/2012 9:30 AM
1210212-029	KLA-4-4	10/22/2012 1:25 PM	10/24/2012 9:30 AM
1210212-030	KLA-4-2	10/22/2012 1:20 PM	10/24/2012 9:30 AM
1210212-031	KLA-4-8	10/22/2012 1:35 PM	10/24/2012 9:30 AM
1210212-032	KLA-4-10	10/22/2012 1:55 PM	10/24/2012 9:30 AM
1210212-033	KLA-4-12	10/22/2012 2:05 PM	10/24/2012 9:30 AM
1210212-034	KLA-5-4	10/22/2012 2:30 PM	10/24/2012 9:30 AM
1210212-035	KLA-5-7	10/22/2012 2:45 PM	10/24/2012 9:30 AM
1210212-036	KLA-5-10	10/22/2012 3:00 PM	10/24/2012 9:30 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II
Lab Order: 1210212

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1210212-037	KLA-6-4	10/22/2012 3:30 PM	10/24/2012 9:30 AM
1210212-038	KLA-6-7	10/22/2012 3:45 PM	10/24/2012 9:30 AM
1210212-039	KLA-6-10	10/22/2012 4:00 PM	10/24/2012 9:30 AM
1210212-040	KLA-6-14	10/22/2012 4:30 PM	10/24/2012 9:30 AM
1210212-041	KLA-7-4	10/23/2012 9:15 AM	10/24/2012 9:30 AM
1210212-042	KLA-7-8	10/23/2012 9:40 AM	10/24/2012 9:30 AM
1210212-043	KLA-8-4	10/23/2012 10:15 AM	10/24/2012 9:30 AM
1210212-044	KLA-8-6.5	10/23/2012 10:35 AM	10/24/2012 9:30 AM
1210212-045	KLA-8-W	10/23/2012 10:30 AM	10/24/2012 9:30 AM
1210212-046	KLA-8-H2O	10/23/2012 12:00 PM	10/24/2012 9:30 AM
1210212-047	KLA-9-4	10/23/2012 11:30 AM	10/24/2012 9:30 AM
1210212-048	KLA-9-8	10/23/2012 11:45 AM	10/24/2012 9:30 AM
1210212-049	KLA-9-12	10/23/2012 11:55 AM	10/24/2012 9:30 AM
1210212-050	KLA-10-4	10/23/2012 12:35 PM	10/24/2012 9:30 AM
1210212-051	KLA-10-8	10/23/2012 12:55 PM	10/24/2012 9:30 AM
1210212-052	KLA-10-12	10/23/2012 1:10 PM	10/24/2012 9:30 AM
1210212-053	Trip Blank #1	10/24/2012 9:30 AM	10/24/2012 9:30 AM
1210212-054	Trip Blank #2	10/24/2012 9:30 AM	10/24/2012 9:30 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **1210212**
Date: **11/26/2012**

CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

I. SAMPLE RECEIPT:
All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 9:10:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-001
Matrix: Soil
Client Sample ID: KSB-1:8.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	21.4		mg/Kg-dry	1	10/30/2012 9:45:00 PM
Diesel Range Organics (C12-C24)	91.9	21.4		mg/Kg-dry	1	10/30/2012 9:45:00 PM
Heavy Oil	ND	53.5		mg/Kg-dry	1	10/30/2012 9:45:00 PM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	10/30/2012 9:45:00 PM
Surr: o-Terphenyl	104	50-150		%REC	1	10/30/2012 9:45:00 PM
NOTES: DRO - Indicates the presence of unresolved compounds eluting from dodecane through tetracosane (C12-C24).						
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	5.54		mg/Kg-dry	1	10/26/2012 4:53:00 AM
Gasoline Range Organics C6-C12	404	111	D	mg/Kg-dry	20	10/30/2012 11:05:00 AM
Surr: 1,2-Dichloroethane-d4	88.8	65-135		%REC	1	10/26/2012 4:53:00 AM
Surr: Fluorobenzene	70.2	65-135		%REC	1	10/26/2012 4:53:00 AM
NOTES: GRO - Indicates the presence of unresolved compounds eluting from toluene to dodecane (~C7->C12).						
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0221		mg/Kg-dry	1	10/26/2012 4:53:00 AM
Trichloroethene (TCE)	ND	0.0332		mg/Kg-dry	1	10/26/2012 4:53:00 AM
Toluene	ND	0.0221		mg/Kg-dry	1	10/26/2012 4:53:00 AM
Ethylbenzene	ND	0.0332		mg/Kg-dry	1	10/26/2012 4:53:00 AM
m,p-Xylene	ND	0.0221		mg/Kg-dry	1	10/26/2012 4:53:00 AM
o-Xylene	ND	0.0221		mg/Kg-dry	1	10/26/2012 4:53:00 AM
Surr: 1-Bromo-4-fluorobenzene	107	63.1-141		%REC	1	10/26/2012 4:53:00 AM
Surr: Dibromofluoromethane	86.6	67.6-119		%REC	1	10/26/2012 4:53:00 AM
Surr: Toluene-d8	126	78.5-126		%REC	1	10/26/2012 4:53:00 AM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	3.01	0.180		mg/Kg-dry	1	11/1/2012 10:41:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 9:10:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-001
Matrix: Soil
Client Sample ID: KSB-1:8.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	11.6			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 9:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-002
Matrix: Soil
Client Sample ID: KSB-1:10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	21.3		mg/Kg-dry	1	10/30/2012 10:12:00 PM
Heavy Oil	101	53.1		mg/Kg-dry	1	10/30/2012 10:12:00 PM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	10/30/2012 10:12:00 PM
Surr: o-Terphenyl	102	50-150		%REC	1	10/30/2012 10:12:00 PM
NOTES: Chromatogram indicates the presence of compounds in the heavy oil range, but the chromatographic pattern does not resemble a fuel or heavy oil product.						
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	4.52		mg/Kg-dry	1	10/26/2012 6:39:00 AM
Surr: 1,2-Dichloroethane-d4	87.4	65-135		%REC	1	10/26/2012 6:39:00 AM
Surr: Fluorobenzene	68.6	65-135		%REC	1	10/26/2012 6:39:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 6:39:00 AM
Trichloroethene (TCE)	ND	0.0271		mg/Kg-dry	1	10/26/2012 6:39:00 AM
Toluene	ND	0.0181		mg/Kg-dry	1	10/26/2012 6:39:00 AM
Ethylbenzene	ND	0.0271		mg/Kg-dry	1	10/26/2012 6:39:00 AM
m,p-Xylene	ND	0.0181		mg/Kg-dry	1	10/26/2012 6:39:00 AM
o-Xylene	ND	0.0181		mg/Kg-dry	1	10/26/2012 6:39:00 AM
Surr: 1-Bromo-4-fluorobenzene	88.9	63.1-141		%REC	1	10/26/2012 6:39:00 AM
Surr: Dibromofluoromethane	89.2	67.6-119		%REC	1	10/26/2012 6:39:00 AM
Surr: Toluene-d8	113	78.5-126		%REC	1	10/26/2012 6:39:00 AM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	2.49	0.159		mg/Kg-dry	1	11/1/2012 11:46:05 PM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	7.76			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 10:45:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-005
Matrix: Soil
Client Sample ID: KSB-2:10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	20.4		mg/Kg-dry	1	10/30/2012 10:40:00 PM
Heavy Oil	ND	50.9		mg/Kg-dry	1	10/30/2012 10:40:00 PM
Surr: 2-Fluorobiphenyl	100	50-150		%REC	1	10/30/2012 10:40:00 PM
Surr: o-Terphenyl	102	50-150		%REC	1	10/30/2012 10:40:00 PM
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	4.76		mg/Kg-dry	1	10/26/2012 8:25:00 AM
Surr: 1,2-Dichloroethane-d4	90.6	65-135		%REC	1	10/26/2012 8:25:00 AM
Surr: Fluorobenzene	75.4	65-135		%REC	1	10/26/2012 8:25:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0190		mg/Kg-dry	1	10/26/2012 8:25:00 AM
Trichloroethene (TCE)	0.0594	0.0285		mg/Kg-dry	1	10/26/2012 8:25:00 AM
Toluene	ND	0.0190		mg/Kg-dry	1	10/26/2012 8:25:00 AM
Ethylbenzene	ND	0.0285		mg/Kg-dry	1	10/26/2012 8:25:00 AM
m,p-Xylene	ND	0.0190		mg/Kg-dry	1	10/26/2012 8:25:00 AM
o-Xylene	ND	0.0190		mg/Kg-dry	1	10/26/2012 8:25:00 AM
Surr: 1-Bromo-4-fluorobenzene	105	63.1-141		%REC	1	10/26/2012 8:25:00 AM
Surr: Dibromofluoromethane	91.9	67.6-119		%REC	1	10/26/2012 8:25:00 AM
Surr: Toluene-d8	110	78.5-126		%REC	1	10/26/2012 8:25:00 AM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	2.18	0.176		mg/Kg-dry	1	11/2/2012 12:27:39 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	6.66			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 11:25:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-007
Matrix: Soil
Client Sample ID: KSB-2:24

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	21.3		mg/Kg-dry	1	10/30/2012 11:08:00 PM
Heavy Oil	ND	53.3		mg/Kg-dry	1	10/30/2012 11:08:00 PM
Surr: 2-Fluorobiphenyl	98.6	50-150		%REC	1	10/30/2012 11:08:00 PM
Surr: o-Terphenyl	100	50-150		%REC	1	10/30/2012 11:08:00 PM
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	5.10		mg/Kg-dry	1	10/26/2012 9:00:00 AM
Surr: 1,2-Dichloroethane-d4	90.7	65-135		%REC	1	10/26/2012 9:00:00 AM
Surr: Fluorobenzene	65.9	65-135		%REC	1	10/26/2012 9:00:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 9:00:00 AM
Trichloroethene (TCE)	0.102	0.0306		mg/Kg-dry	1	10/26/2012 9:00:00 AM
Toluene	ND	0.0204		mg/Kg-dry	1	10/26/2012 9:00:00 AM
Ethylbenzene	ND	0.0306		mg/Kg-dry	1	10/26/2012 9:00:00 AM
m,p-Xylene	ND	0.0204		mg/Kg-dry	1	10/26/2012 9:00:00 AM
o-Xylene	ND	0.0204		mg/Kg-dry	1	10/26/2012 9:00:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.6	63.1-141		%REC	1	10/26/2012 9:00:00 AM
Surr: Dibromofluoromethane	96.9	67.6-119		%REC	1	10/26/2012 9:00:00 AM
Surr: Toluene-d8	107	78.5-126		%REC	1	10/26/2012 9:00:00 AM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	1.75	0.176		mg/Kg-dry	1	11/2/2012 12:37:19 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	11.0			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 11:55:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-009
Matrix: Soil
Client Sample ID: KSB-3:9

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3516 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0549		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Chloromethane	ND	0.0549		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Vinyl chloride	ND	0.00183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Bromomethane	ND	0.0824		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Chloroethane	ND	0.0549		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1-Dichloroethene	ND	0.0458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Methylene chloride	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
trans-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1-Dichloroethane	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
2,2-Dichloropropane	ND	0.0458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
cis-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Chloroform	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1-Dichloropropene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Carbon tetrachloride	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2-Dichloroethane (EDC)	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Benzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Trichloroethene (TCE)	0.0632	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2-Dichloropropane	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Bromodichloromethane	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Dibromomethane	ND	0.0366		mg/Kg-dry	1	10/26/2012 9:36:00 AM
cis-1,3-Dichloropropene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Toluene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
trans-1,3-Dichloropropylene	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1,2-Trichloroethane	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,3-Dichloropropane	ND	0.0458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Tetrachloroethene (PCE)	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Dibromochloromethane	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2-Dibromoethane (EDB)	ND	0.00458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Chlorobenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Ethylbenzene	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
m,p-Xylene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 11:55:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-009
Matrix: Soil
Client Sample ID: KSB-3:9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Styrene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Isopropylbenzene	ND	0.0732		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Bromoform	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
n-Propylbenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Bromobenzene	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,3,5-Trimethylbenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
2-Chlorotoluene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
4-Chlorotoluene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
tert-Butylbenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2,3-Trichloropropane	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2,4-Trichlorobenzene	ND	0.0458		mg/Kg-dry	1	10/26/2012 9:36:00 AM
sec-Butylbenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
4-Isopropyltoluene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,3-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,4-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
n-Butylbenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2,4-Trimethylbenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Hexachlorobutadiene	ND	0.0915		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Naphthalene	ND	0.0275		mg/Kg-dry	1	10/26/2012 9:36:00 AM
1,2,3-Trichlorobenzene	ND	0.0183		mg/Kg-dry	1	10/26/2012 9:36:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.8	63.1-141		%REC	1	10/26/2012 9:36:00 AM
Surr: Dibromofluoromethane	87.4	67.6-119		%REC	1	10/26/2012 9:36:00 AM
Surr: Toluene-d8	105	78.5-126		%REC	1	10/26/2012 9:36:00 AM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Chromium	29.4	0.0859		mg/Kg-dry	1	11/2/2012 12:46:59 AM
Zinc	29.0	0.343		mg/Kg-dry	1	11/2/2012 12:46:59 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 11:55:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-009
Matrix: Soil
Client Sample ID: KSB-3:9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	4.54			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.452		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:10:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-012
Matrix: Soil
Client Sample ID: KSB-4A:10

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3516 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0611		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Chloromethane	ND	0.0611		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Vinyl chloride	ND	0.00204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Bromomethane	ND	0.0916		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Chloroethane	ND	0.0611		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1-Dichloroethene	ND	0.0509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Methylene chloride	0.0224	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
trans-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1-Dichloroethane	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
2,2-Dichloropropane	ND	0.0509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
cis-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Chloroform	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1-Dichloropropene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Carbon tetrachloride	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2-Dichloroethane (EDC)	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Benzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Trichloroethene (TCE)	0.146	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2-Dichloropropane	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Bromodichloromethane	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Dibromomethane	ND	0.0407		mg/Kg-dry	1	10/26/2012 10:12:00 AM
cis-1,3-Dichloropropene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Toluene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
trans-1,3-Dichloropropylene	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1,2-Trichloroethane	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,3-Dichloropropane	ND	0.0509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Tetrachloroethene (PCE)	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Dibromochloromethane	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2-Dibromoethane (EDB)	ND	0.00509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Chlorobenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Ethylbenzene	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
m,p-Xylene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:10:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-012
Matrix: Soil
Client Sample ID: KSB-4A:10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Styrene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Isopropylbenzene	ND	0.0815		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Bromoform	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
n-Propylbenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Bromobenzene	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,3,5-Trimethylbenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
2-Chlorotoluene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
4-Chlorotoluene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
tert-Butylbenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2,3-Trichloropropane	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2,4-Trichlorobenzene	ND	0.0509		mg/Kg-dry	1	10/26/2012 10:12:00 AM
sec-Butylbenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
4-Isopropyltoluene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,3-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,4-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
n-Butylbenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2,4-Trimethylbenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Hexachlorobutadiene	ND	0.102		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Naphthalene	ND	0.0305		mg/Kg-dry	1	10/26/2012 10:12:00 AM
1,2,3-Trichlorobenzene	ND	0.0204		mg/Kg-dry	1	10/26/2012 10:12:00 AM
Surr: 1-Bromo-4-fluorobenzene	89.6	63.1-141		%REC	1	10/26/2012 10:12:00 AM
Surr: Dibromofluoromethane	102	67.6-119		%REC	1	10/26/2012 10:12:00 AM
Surr: Toluene-d8	102	78.5-126		%REC	1	10/26/2012 10:12:00 AM

NOTES:
Methylene Chloride is a common laboratory solvent.

Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	16.8			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 2:10:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-014
Matrix: Soil
Client Sample ID: KSB-5:10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0542		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Chloromethane	ND	0.0542		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Vinyl chloride	ND	0.00181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Bromomethane	ND	0.0813		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Chloroethane	ND	0.0542		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1-Dichloroethene	ND	0.0452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Methylene chloride	0.0194	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
trans-1,2-Dichloroethene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1-Dichloroethane	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
2,2-Dichloropropane	ND	0.0452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
cis-1,2-Dichloroethene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Chloroform	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1-Dichloropropene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Carbon tetrachloride	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2-Dichloroethane (EDC)	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Benzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Trichloroethene (TCE)	0.0307	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2-Dichloropropane	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Bromodichloromethane	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Dibromomethane	ND	0.0361		mg/Kg-dry	1	10/26/2012 10:39:00 AM
cis-1,3-Dichloropropene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Toluene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
trans-1,3-Dichloropropylene	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1,2-Trichloroethane	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,3-Dichloropropane	ND	0.0452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Tetrachloroethene (PCE)	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Dibromochloromethane	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2-Dibromoethane (EDB)	ND	0.00452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Chlorobenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Ethylbenzene	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
m,p-Xylene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 2:10:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-014
Matrix: Soil
Client Sample ID: KSB-5:10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Styrene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Isopropylbenzene	ND	0.0723		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Bromoform	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
n-Propylbenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Bromobenzene	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,3,5-Trimethylbenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
2-Chlorotoluene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
4-Chlorotoluene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
tert-Butylbenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2,3-Trichloropropane	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2,4-Trichlorobenzene	ND	0.0452		mg/Kg-dry	1	10/26/2012 10:39:00 AM
sec-Butylbenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
4-Isopropyltoluene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,3-Dichlorobenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,4-Dichlorobenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
n-Butylbenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2-Dichlorobenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2,4-Trimethylbenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Hexachlorobutadiene	ND	0.0904		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Naphthalene	ND	0.0271		mg/Kg-dry	1	10/26/2012 10:39:00 AM
1,2,3-Trichlorobenzene	ND	0.0181		mg/Kg-dry	1	10/26/2012 10:39:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	10/26/2012 10:39:00 AM
Surr: Dibromofluoromethane	103	67.6-119		%REC	1	10/26/2012 10:39:00 AM
Surr: Toluene-d8	97.2	78.5-126		%REC	1	10/26/2012 10:39:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	9.37			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 9:20:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-017
Matrix: Soil
Client Sample ID: KLA-1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel 1/ Kerosene	83.3	23.3		mg/Kg-dry	1	10/30/2012 11:35:00 PM
Diesel (Fuel Oil)	ND	23.3		mg/Kg-dry	1	10/30/2012 11:35:00 PM
Heavy Oil	466	58.2		mg/Kg-dry	1	10/30/2012 11:35:00 PM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	10/30/2012 11:35:00 PM
Surr: o-Terphenyl	105	50-150		%REC	1	10/30/2012 11:35:00 PM
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	5.55		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Gasoline Range Organics C6-C12	2,750	555	D	mg/Kg-dry	100	10/30/2012 11:41:00 AM
Surr: 1,2-Dichloroethane-d4	94.8	65-135	D	%REC	100	10/30/2012 11:41:00 AM
Surr: Fluorobenzene	67.5	65-135		%REC	1	10/26/2012 11:06:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0666		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Chloromethane	ND	0.0666		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Vinyl chloride	ND	0.00222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Bromomethane	ND	0.0999		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Chloroethane	ND	0.0666		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1-Dichloroethene	ND	0.0555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Methylene chloride	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
trans-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1-Dichloroethane	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
2,2-Dichloropropane	ND	0.0555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Chloroform	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1-Dichloropropene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Carbon tetrachloride	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2-Dichloroethane (EDC)	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM

NOTES:
GRO - Indicates the presence of unresolved compounds eluting from toluene to dodecane (~C7->C12).

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 9:20:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-017
Matrix: Soil
Client Sample ID: KLA-1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Trichloroethene (TCE)	0.213	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2-Dichloropropane	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Bromodichloromethane	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Dibromomethane	ND	0.0444		mg/Kg-dry	1	10/26/2012 11:06:00 AM
cis-1,3-Dichloropropene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Toluene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
trans-1,3-Dichloropropylene	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1,2-Trichloroethane	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,3-Dichloropropane	ND	0.0555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Tetrachloroethene (PCE)	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Dibromochloromethane	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2-Dibromoethane (EDB)	ND	0.00555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Chlorobenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Ethylbenzene	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
m,p-Xylene	0.884	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
o-Xylene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Styrene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Isopropylbenzene	2.33	0.0888		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Bromoform	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
n-Propylbenzene	2.73	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Bromobenzene	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,3,5-Trimethylbenzene	2.59	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
2-Chlorotoluene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
4-Chlorotoluene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
tert-Butylbenzene	0.139	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2,3-Trichloropropane	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2,4-Trichlorobenzene	ND	0.0555		mg/Kg-dry	1	10/26/2012 11:06:00 AM
sec-Butylbenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
4-Isopropyltoluene	1.80	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,3-Dichlorobenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,4-Dichlorobenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
n-Butylbenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 9:20:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-017
Matrix: Soil
Client Sample ID: KLA-1-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
1,2-Dichlorobenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2,4-Trimethylbenzene	2.20	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Hexachlorobutadiene	ND	0.111		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Naphthalene	0.714	0.0333		mg/Kg-dry	1	10/26/2012 11:06:00 AM
1,2,3-Trichlorobenzene	ND	0.0222		mg/Kg-dry	1	10/26/2012 11:06:00 AM
Surr: 1-Bromo-4-fluorobenzene	128	63.1-141		%REC	1	10/26/2012 11:06:00 AM
Surr: Dibromofluoromethane	93.7	67.6-119		%REC	1	10/26/2012 11:06:00 AM
Surr: Toluene-d8	172	78.5-126	S	%REC	1	10/26/2012 11:06:00 AM

NOTES:
S - High surrogate recovery attributed to TPH interference. The method is in control as indicated by the Method Blank (MB) & Laboratory Control Sample (LCS).

Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	5.08	0.200		mg/Kg-dry	1	11/2/2012 12:56:40 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	20.0			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 10:10:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-021
Matrix: Soil
Client Sample ID: KLA-2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	22.9		mg/Kg-dry	1	10/31/2012 12:03:00 AM
Heavy Oil	ND	57.2		mg/Kg-dry	1	10/31/2012 12:03:00 AM
Surr: 2-Fluorobiphenyl	103	50-150		%REC	1	10/31/2012 12:03:00 AM
Surr: o-Terphenyl	104	50-150		%REC	1	10/31/2012 12:03:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0740		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Chloromethane	ND	0.0740		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Vinyl chloride	ND	0.00247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Bromomethane	ND	0.111		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0617		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Chloroethane	ND	0.0740		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1-Dichloroethene	ND	0.0617		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Methylene chloride	0.0302	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
trans-1,2-Dichloroethene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0617		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1-Dichloroethane	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
2,2-Dichloropropane	ND	0.0617		mg/Kg-dry	1	10/26/2012 11:34:00 AM
cis-1,2-Dichloroethene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Chloroform	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1-Dichloropropene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Carbon tetrachloride	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2-Dichloroethane (EDC)	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Benzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Trichloroethene (TCE)	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2-Dichloropropane	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Bromodichloromethane	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Dibromomethane	ND	0.0493		mg/Kg-dry	1	10/26/2012 11:34:00 AM
cis-1,3-Dichloropropene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Toluene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
trans-1,3-Dichloropropylene	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1,2-Trichloroethane	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,3-Dichloropropane	ND	0.0617		mg/Kg-dry	1	10/26/2012 11:34:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 10:10:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-021
Matrix: Soil
Client Sample ID: KLA-2-7

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3516 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Tetrachloroethene (PCE)	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Dibromochloromethane	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2-Dibromoethane (EDB)	ND	0.00617		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Chlorobenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Ethylbenzene	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
m,p-Xylene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
o-Xylene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Styrene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Isopropylbenzene	ND	0.0987		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Bromoform	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
n-Propylbenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Bromobenzene	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,3,5-Trimethylbenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
2-Chlorotoluene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
4-Chlorotoluene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
tert-Butylbenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2,3-Trichloropropane	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2,4-Trichlorobenzene	ND	0.0617		mg/Kg-dry	1	10/26/2012 11:34:00 AM
sec-Butylbenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
4-Isopropyltoluene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,3-Dichlorobenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,4-Dichlorobenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
n-Butylbenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2-Dichlorobenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2,4-Trimethylbenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Hexachlorobutadiene	ND	0.123		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Naphthalene	ND	0.0370		mg/Kg-dry	1	10/26/2012 11:34:00 AM
1,2,3-Trichlorobenzene	ND	0.0247		mg/Kg-dry	1	10/26/2012 11:34:00 AM
Surr: 1-Bromo-4-fluorobenzene	95.7	63.1-141		%REC	1	10/26/2012 11:34:00 AM
Surr: Dibromofluoromethane	98.4	67.6-119		%REC	1	10/26/2012 11:34:00 AM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/26/2012 11:34:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 10:10:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-021
Matrix: Soil
Client Sample ID: KLA-2-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
NOTES: Methylene Chloride is a common laboratory solvent.						
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	4.66	0.203		mg/Kg-dry	1	11/2/2012 1:06:20 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	17.7			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 11:50:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-025
Matrix: Soil
Client Sample ID: KLA-3-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.200		mg/Kg-dry	1	11/2/2012 1:16:01 AM
Chromium	146	0.0999		mg/Kg-dry	1	11/2/2012 1:16:01 AM
Zinc	123	0.400		mg/Kg-dry	1	11/2/2012 1:16:01 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	22.4			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.608		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 12:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-026
Matrix: Soil
Client Sample ID: KLA-3-7

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3516 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0627		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Chloromethane	ND	0.0627		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Vinyl chloride	ND	0.00209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Bromomethane	ND	0.0940		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Chloroethane	ND	0.0627		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1-Dichloroethene	ND	0.0522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Methylene chloride	0.0381	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1-Dichloroethane	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
2,2-Dichloropropane	ND	0.0522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
cis-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Chloroform	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1-Dichloropropene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Carbon tetrachloride	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2-Dichloroethane (EDC)	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Benzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Trichloroethene (TCE)	0.0318	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Bromodichloromethane	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Dibromomethane	ND	0.0418		mg/Kg-dry	1	10/26/2012 12:38:00 PM
cis-1,3-Dichloropropene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Toluene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
trans-1,3-Dichloropropylene	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1,2-Trichloroethane	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,3-Dichloropropane	ND	0.0522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Tetrachloroethene (PCE)	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Dibromochloromethane	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2-Dibromoethane (EDB)	ND	0.00522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Chlorobenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Ethylbenzene	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
m,p-Xylene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 12:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-026
Matrix: Soil
Client Sample ID: KLA-3-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Styrene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Isopropylbenzene	ND	0.0835		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Bromoform	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
n-Propylbenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Bromobenzene	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,3,5-Trimethylbenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
2-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
4-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
tert-Butylbenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2,3-Trichloropropane	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2,4-Trichlorobenzene	ND	0.0522		mg/Kg-dry	1	10/26/2012 12:38:00 PM
sec-Butylbenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
4-Isopropyltoluene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,3-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,4-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
n-Butylbenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2,4-Trimethylbenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Hexachlorobutadiene	ND	0.104		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Naphthalene	ND	0.0313		mg/Kg-dry	1	10/26/2012 12:38:00 PM
1,2,3-Trichlorobenzene	ND	0.0209		mg/Kg-dry	1	10/26/2012 12:38:00 PM
Surr: 1-Bromo-4-fluorobenzene	119	63.1-141		%REC	1	10/26/2012 12:38:00 PM
Surr: Dibromofluoromethane	89.4	67.6-119		%REC	1	10/26/2012 12:38:00 PM
Surr: Toluene-d8	111	78.5-126		%REC	1	10/26/2012 12:38:00 PM

NOTES:
Methylene Chloride is a common laboratory solvent.

Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.184		mg/Kg-dry	1	11/2/2012 1:25:41 AM
Chromium	42.2	0.0919		mg/Kg-dry	1	11/2/2012 1:25:41 AM
Zinc	40.6	0.368		mg/Kg-dry	1	11/2/2012 1:25:41 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 12:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-026
Matrix: Soil
Client Sample ID: KLA-3-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	13.7			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.508		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:25:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-029
Matrix: Soil
Client Sample ID: KLA-4-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.197		mg/Kg-dry	1	11/2/2012 3:44:02 AM
Chromium	126	0.0987		mg/Kg-dry	1	11/2/2012 3:44:02 AM
Zinc	110	0.395		mg/Kg-dry	1	11/2/2012 3:44:02 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	21.5			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.531		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:20:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-030
Matrix: Soil
Client Sample ID: KLA-4-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.240		mg/Kg-dry	1	11/2/2012 1:35:22 AM
Chromium	102	0.120		mg/Kg-dry	1	11/2/2012 1:35:22 AM
Zinc	107	0.481		mg/Kg-dry	1	11/2/2012 1:35:22 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	25.7			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.556		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:35:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-031
Matrix: Soil
Client Sample ID: KLA-4-8

Volatile Organic Compounds by EPA Method 8260

Batch ID: 3516 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0752		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Chloromethane	ND	0.0752		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Vinyl chloride	ND	0.00251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Bromomethane	ND	0.113		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Chloroethane	ND	0.0752		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1-Dichloroethene	ND	0.0626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Methylene chloride	0.0332	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
trans-1,2-Dichloroethene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1-Dichloroethane	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
2,2-Dichloropropane	ND	0.0626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
cis-1,2-Dichloroethene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Chloroform	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1-Dichloropropene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Carbon tetrachloride	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2-Dichloroethane (EDC)	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Benzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Trichloroethene (TCE)	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2-Dichloropropane	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Bromodichloromethane	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Dibromomethane	ND	0.0501		mg/Kg-dry	1	10/26/2012 1:32:00 PM
cis-1,3-Dichloropropene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Toluene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
trans-1,3-Dichloropropylene	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1,2-Trichloroethane	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,3-Dichloropropane	ND	0.0626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Tetrachloroethene (PCE)	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Dibromochloromethane	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.00626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Chlorobenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Ethylbenzene	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
m,p-Xylene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:35:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-031
Matrix: Soil
Client Sample ID: KLA-4-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Styrene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Isopropylbenzene	ND	0.100		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Bromoform	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
n-Propylbenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Bromobenzene	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,3,5-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
2-Chlorotoluene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
4-Chlorotoluene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
tert-Butylbenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2,3-Trichloropropane	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2,4-Trichlorobenzene	ND	0.0626		mg/Kg-dry	1	10/26/2012 1:32:00 PM
sec-Butylbenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
4-Isopropyltoluene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,3-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,4-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
n-Butylbenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2,4-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Hexachlorobutadiene	ND	0.125		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Naphthalene	ND	0.0376		mg/Kg-dry	1	10/26/2012 1:32:00 PM
1,2,3-Trichlorobenzene	ND	0.0251		mg/Kg-dry	1	10/26/2012 1:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	106	63.1-141		%REC	1	10/26/2012 1:32:00 PM
Surr: Dibromofluoromethane	89.6	67.6-119		%REC	1	10/26/2012 1:32:00 PM
Surr: Toluene-d8	113	78.5-126		%REC	1	10/26/2012 1:32:00 PM

NOTES:
Methylene Chloride is a common laboratory solvent.

Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.224		mg/Kg-dry	1	11/2/2012 1:45:02 AM
Chromium	68.0	0.112		mg/Kg-dry	1	11/2/2012 1:45:02 AM
Zinc	73.7	0.448		mg/Kg-dry	1	11/2/2012 1:45:02 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 1:35:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-031
Matrix: Soil
Client Sample ID: KLA-4-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	19.5			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.570		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 2:30:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-034
Matrix: Soil
Client Sample ID: KLA-5-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.214		mg/Kg-dry	1	11/2/2012 1:54:43 AM
Chromium	138	0.107		mg/Kg-dry	1	11/2/2012 1:54:43 AM
Zinc	117	0.429		mg/Kg-dry	1	11/2/2012 1:54:43 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	23.5			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.600		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 2:45:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-035
Matrix: Soil
Client Sample ID: KLA-5-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0669		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Chloromethane	ND	0.0669		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Vinyl chloride	ND	0.00223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Bromomethane	ND	0.100		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Chloroethane	ND	0.0669		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1-Dichloroethene	ND	0.0558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Methylene chloride	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
trans-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1-Dichloroethane	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
2,2-Dichloropropane	ND	0.0558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
cis-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Chloroform	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1-Dichloropropene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Carbon tetrachloride	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2-Dichloroethane (EDC)	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Benzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Trichloroethene (TCE)	0.626	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2-Dichloropropane	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Bromodichloromethane	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Dibromomethane	ND	0.0446		mg/Kg-dry	1	10/26/2012 1:59:00 PM
cis-1,3-Dichloropropene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Toluene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
trans-1,3-Dichloropropylene	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1,2-Trichloroethane	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,3-Dichloropropane	ND	0.0558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Tetrachloroethene (PCE)	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Dibromochloromethane	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2-Dibromoethane (EDB)	ND	0.00558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Chlorobenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Ethylbenzene	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
m,p-Xylene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 2:45:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-035
Matrix: Soil
Client Sample ID: KLA-5-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Styrene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Isopropylbenzene	ND	0.0892		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Bromoform	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
n-Propylbenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Bromobenzene	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,3,5-Trimethylbenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
2-Chlorotoluene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
4-Chlorotoluene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
tert-Butylbenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2,3-Trichloropropane	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2,4-Trichlorobenzene	ND	0.0558		mg/Kg-dry	1	10/26/2012 1:59:00 PM
sec-Butylbenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
4-Isopropyltoluene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,3-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,4-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
n-Butylbenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2-Dichlorobenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2,4-Trimethylbenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Hexachlorobutadiene	ND	0.112		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Naphthalene	ND	0.0335		mg/Kg-dry	1	10/26/2012 1:59:00 PM
1,2,3-Trichlorobenzene	ND	0.0223		mg/Kg-dry	1	10/26/2012 1:59:00 PM
Surr: 1-Bromo-4-fluorobenzene	123	63.1-141		%REC	1	10/26/2012 1:59:00 PM
Surr: Dibromofluoromethane	89.2	67.6-119		%REC	1	10/26/2012 1:59:00 PM
Surr: Toluene-d8	112	78.5-126		%REC	1	10/26/2012 1:59:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.198		mg/Kg-dry	1	11/2/2012 2:36:17 AM
Chromium	76.4	0.0989		mg/Kg-dry	1	11/2/2012 2:36:17 AM
Zinc	60.4	0.396		mg/Kg-dry	1	11/2/2012 2:36:17 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 2:45:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-035
Matrix: Soil
Client Sample ID: KLA-5-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	18.5			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.543		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 3:45:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-038
Matrix: Soil
Client Sample ID: KLA-6-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	23.2		mg/Kg-dry	1	10/31/2012 12:31:00 AM
Heavy Oil	ND	57.9		mg/Kg-dry	1	10/31/2012 12:31:00 AM
Surr: 2-Fluorobiphenyl	102	50-150		%REC	1	10/31/2012 12:31:00 AM
Surr: o-Terphenyl	102	50-150		%REC	1	10/31/2012 12:31:00 AM
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	5.50		mg/Kg-dry	1	10/26/2012 2:26:00 PM
Surr: 1,2-Dichloroethane-d4	117	65-135		%REC	1	10/26/2012 2:26:00 PM
Surr: Fluorobenzene	82.8	65-135		%REC	1	10/26/2012 2:26:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0220		mg/Kg-dry	1	10/26/2012 2:26:00 PM
Trichloroethene (TCE)	ND	0.0330		mg/Kg-dry	1	10/26/2012 2:26:00 PM
Toluene	ND	0.0220		mg/Kg-dry	1	10/26/2012 2:26:00 PM
Ethylbenzene	ND	0.0330		mg/Kg-dry	1	10/26/2012 2:26:00 PM
m,p-Xylene	ND	0.0220		mg/Kg-dry	1	10/26/2012 2:26:00 PM
o-Xylene	ND	0.0220		mg/Kg-dry	1	10/26/2012 2:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	121	63.1-141		%REC	1	10/26/2012 2:26:00 PM
Surr: Dibromofluoromethane	80.9	67.6-119		%REC	1	10/26/2012 2:26:00 PM
Surr: Toluene-d8	106	78.5-126		%REC	1	10/26/2012 2:26:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.206		mg/Kg-dry	1	11/2/2012 2:45:58 AM
Copper	34.1	0.206		mg/Kg-dry	1	11/2/2012 2:45:58 AM
Lead	3.65	0.206		mg/Kg-dry	1	11/2/2012 2:45:58 AM
Zinc	43.6	0.413		mg/Kg-dry	1	11/2/2012 2:45:58 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	15.0			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/22/2012 4:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-039
Matrix: Soil
Client Sample ID: KLA-6-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 3525		Analyst: BR
Diesel (Fuel Oil)	ND	20.2		mg/Kg-dry	1	10/31/2012 12:58:00 AM
Heavy Oil	ND	50.5		mg/Kg-dry	1	10/31/2012 12:58:00 AM
Surr: 2-Fluorobiphenyl	99.5	50-150		%REC	1	10/31/2012 12:58:00 AM
Surr: o-Terphenyl	99.8	50-150		%REC	1	10/31/2012 12:58:00 AM
Gasoline by NWTPH-Gx				Batch ID: 3516		Analyst: EM
Gasoline	ND	5.06		mg/Kg-dry	1	10/26/2012 2:53:00 PM
Surr: 1,2-Dichloroethane-d4	116	65-135		%REC	1	10/26/2012 2:53:00 PM
Surr: Fluorobenzene	84.9	65-135		%REC	1	10/26/2012 2:53:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Benzene	ND	0.0202		mg/Kg-dry	1	10/26/2012 2:53:00 PM
Trichloroethene (TCE)	ND	0.0304		mg/Kg-dry	1	10/26/2012 2:53:00 PM
Toluene	ND	0.0202		mg/Kg-dry	1	10/26/2012 2:53:00 PM
Ethylbenzene	ND	0.0304		mg/Kg-dry	1	10/26/2012 2:53:00 PM
m,p-Xylene	ND	0.0202		mg/Kg-dry	1	10/26/2012 2:53:00 PM
o-Xylene	ND	0.0202		mg/Kg-dry	1	10/26/2012 2:53:00 PM
Surr: 1-Bromo-4-fluorobenzene	119	63.1-141		%REC	1	10/26/2012 2:53:00 PM
Surr: Dibromofluoromethane	76.2	67.6-119		%REC	1	10/26/2012 2:53:00 PM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/26/2012 2:53:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Lead	2.27	0.165		mg/Kg-dry	1	11/2/2012 2:55:39 AM
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	8.59			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 9:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-041
Matrix: Soil
Client Sample ID: KLA-7-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0657		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Chloromethane	ND	0.0657		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Vinyl chloride	ND	0.00219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Bromomethane	ND	0.0985		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Chloroethane	ND	0.0657		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1-Dichloroethene	ND	0.0547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Methylene chloride	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
trans-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1-Dichloroethane	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
2,2-Dichloropropane	ND	0.0547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
cis-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Chloroform	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1-Dichloropropene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Carbon tetrachloride	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2-Dichloroethane (EDC)	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Benzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Trichloroethene (TCE)	0.770	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2-Dichloropropane	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Bromodichloromethane	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Dibromomethane	ND	0.0438		mg/Kg-dry	1	10/26/2012 3:21:00 PM
cis-1,3-Dichloropropene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Toluene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
trans-1,3-Dichloropropylene	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1,2-Trichloroethane	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,3-Dichloropropane	ND	0.0547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Tetrachloroethene (PCE)	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Dibromochloromethane	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2-Dibromoethane (EDB)	ND	0.00547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Chlorobenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Ethylbenzene	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
m,p-Xylene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 9:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-041
Matrix: Soil
Client Sample ID: KLA-7-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Styrene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Isopropylbenzene	ND	0.0876		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Bromoform	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
n-Propylbenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Bromobenzene	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,3,5-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
2-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
4-Chlorotoluene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
tert-Butylbenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2,3-Trichloropropane	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2,4-Trichlorobenzene	ND	0.0547		mg/Kg-dry	1	10/26/2012 3:21:00 PM
sec-Butylbenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
4-Isopropyltoluene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,3-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,4-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
n-Butylbenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2-Dichlorobenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2,4-Trimethylbenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Hexachlorobutadiene	ND	0.109		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Naphthalene	ND	0.0328		mg/Kg-dry	1	10/26/2012 3:21:00 PM
1,2,3-Trichlorobenzene	ND	0.0219		mg/Kg-dry	1	10/26/2012 3:21:00 PM
Surr: 1-Bromo-4-fluorobenzene	116	63.1-141		%REC	1	10/26/2012 3:21:00 PM
Surr: Dibromofluoromethane	82.2	67.6-119		%REC	1	10/26/2012 3:21:00 PM
Surr: Toluene-d8	108	78.5-126		%REC	1	10/26/2012 3:21:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	0.430	0.211		mg/Kg-dry	1	11/2/2012 3:05:19 AM
Chromium	140	0.105		mg/Kg-dry	1	11/2/2012 3:05:19 AM
Zinc	114	0.421		mg/Kg-dry	1	11/2/2012 3:05:19 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 9:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-041
Matrix: Soil
Client Sample ID: KLA-7-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	22.8			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.594		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 9:40:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-042
Matrix: Soil
Client Sample ID: KLA-7-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0603		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Chloromethane	ND	0.0603		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Vinyl chloride	ND	0.00201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Bromomethane	ND	0.0905		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Chloroethane	ND	0.0603		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1-Dichloroethene	ND	0.0503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Methylene chloride	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
trans-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1-Dichloroethane	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
2,2-Dichloropropane	ND	0.0503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
cis-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Chloroform	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1-Dichloropropene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Carbon tetrachloride	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2-Dichloroethane (EDC)	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Benzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Trichloroethene (TCE)	0.488	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2-Dichloropropane	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Bromodichloromethane	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Dibromomethane	ND	0.0402		mg/Kg-dry	1	10/26/2012 6:32:00 PM
cis-1,3-Dichloropropene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Toluene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
trans-1,3-Dichloropropylene	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1,2-Trichloroethane	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,3-Dichloropropane	ND	0.0503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Tetrachloroethene (PCE)	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Dibromochloromethane	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.00503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Chlorobenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Ethylbenzene	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
m,p-Xylene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 9:40:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-042
Matrix: Soil
Client Sample ID: KLA-7-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Styrene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Isopropylbenzene	ND	0.0804		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Bromoform	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
n-Propylbenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Bromobenzene	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,3,5-Trimethylbenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
2-Chlorotoluene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
4-Chlorotoluene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
tert-Butylbenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2,3-Trichloropropane	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2,4-Trichlorobenzene	ND	0.0503		mg/Kg-dry	1	10/26/2012 6:32:00 PM
sec-Butylbenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
4-Isopropyltoluene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,3-Dichlorobenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,4-Dichlorobenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
n-Butylbenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2-Dichlorobenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2,4-Trimethylbenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Hexachlorobutadiene	ND	0.101		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Naphthalene	ND	0.0302		mg/Kg-dry	1	10/26/2012 6:32:00 PM
1,2,3-Trichlorobenzene	ND	0.0201		mg/Kg-dry	1	10/26/2012 6:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	115	63.1-141		%REC	1	10/26/2012 6:32:00 PM
Surr: Dibromofluoromethane	86.3	67.6-119		%REC	1	10/26/2012 6:32:00 PM
Surr: Toluene-d8	103	78.5-126		%REC	1	10/26/2012 6:32:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	ND	0.204		mg/Kg-dry	1	11/2/2012 3:15:00 AM
Chromium	59.3	0.102		mg/Kg-dry	1	11/2/2012 3:15:00 AM
Zinc	50.7	0.407		mg/Kg-dry	1	11/2/2012 3:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 9:40:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-042
Matrix: Soil
Client Sample ID: KLA-7-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	15.4			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.557		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 10:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-043
Matrix: Soil
Client Sample ID: KLA-8-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0772		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Chloromethane	ND	0.0772		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Vinyl chloride	ND	0.00257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Bromomethane	ND	0.116		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Chloroethane	ND	0.0772		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1-Dichloroethene	ND	0.0644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Methylene chloride	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
trans-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1-Dichloroethane	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
2,2-Dichloropropane	ND	0.0644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
cis-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Chloroform	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1-Dichloropropene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Carbon tetrachloride	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2-Dichloroethane (EDC)	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Benzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Trichloroethene (TCE)	0.0483	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2-Dichloropropane	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Bromodichloromethane	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Dibromomethane	ND	0.0515		mg/Kg-dry	1	10/26/2012 3:48:00 PM
cis-1,3-Dichloropropene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Toluene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
trans-1,3-Dichloropropylene	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1,2-Trichloroethane	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,3-Dichloropropane	ND	0.0644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Tetrachloroethene (PCE)	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Dibromochloromethane	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2-Dibromoethane (EDB)	ND	0.00644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Chlorobenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Ethylbenzene	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
m,p-Xylene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 10:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-043
Matrix: Soil
Client Sample ID: KLA-8-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Styrene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Isopropylbenzene	ND	0.103		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Bromoform	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
n-Propylbenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Bromobenzene	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,3,5-Trimethylbenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
2-Chlorotoluene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
4-Chlorotoluene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
tert-Butylbenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2,3-Trichloropropane	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2,4-Trichlorobenzene	ND	0.0644		mg/Kg-dry	1	10/26/2012 3:48:00 PM
sec-Butylbenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
4-Isopropyltoluene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,3-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,4-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
n-Butylbenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2,4-Trimethylbenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Hexachlorobutadiene	ND	0.129		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Naphthalene	ND	0.0386		mg/Kg-dry	1	10/26/2012 3:48:00 PM
1,2,3-Trichlorobenzene	ND	0.0257		mg/Kg-dry	1	10/26/2012 3:48:00 PM
Surr: 1-Bromo-4-fluorobenzene	124	63.1-141		%REC	1	10/26/2012 3:48:00 PM
Surr: Dibromofluoromethane	85.6	67.6-119		%REC	1	10/26/2012 3:48:00 PM
Surr: Toluene-d8	107	78.5-126		%REC	1	10/26/2012 3:48:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	0.467	0.207		mg/Kg-dry	1	11/2/2012 3:24:40 AM
Chromium	107	0.104		mg/Kg-dry	1	11/2/2012 3:24:40 AM
Copper	54.4	0.207		mg/Kg-dry	1	11/2/2012 3:24:40 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 10:15:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-043
Matrix: Soil
Client Sample ID: KLA-8-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	24.0			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 10:35:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-044
Matrix: Soil
Client Sample ID: KLA-8-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0700		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Chloromethane	ND	0.0700		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Vinyl chloride	ND	0.00233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Bromomethane	ND	0.105		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Chloroethane	ND	0.0700		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1-Dichloroethene	ND	0.0584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Methylene chloride	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
trans-1,2-Dichloroethene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1-Dichloroethane	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
2,2-Dichloropropane	ND	0.0584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
cis-1,2-Dichloroethene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Chloroform	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1-Dichloropropene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Carbon tetrachloride	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2-Dichloroethane (EDC)	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Benzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Trichloroethene (TCE)	0.151	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2-Dichloropropane	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Bromodichloromethane	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Dibromomethane	ND	0.0467		mg/Kg-dry	1	10/26/2012 4:15:00 PM
cis-1,3-Dichloropropene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Toluene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
trans-1,3-Dichloropropylene	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1,2-Trichloroethane	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,3-Dichloropropane	ND	0.0584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Tetrachloroethene (PCE)	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Dibromochloromethane	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2-Dibromoethane (EDB)	ND	0.00584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Chlorobenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Ethylbenzene	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
m,p-Xylene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 10:35:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-044
Matrix: Soil
Client Sample ID: KLA-8-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Styrene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Isopropylbenzene	ND	0.0934		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Bromoform	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
n-Propylbenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Bromobenzene	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,3,5-Trimethylbenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
2-Chlorotoluene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
4-Chlorotoluene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
tert-Butylbenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2,3-Trichloropropane	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2,4-Trichlorobenzene	ND	0.0584		mg/Kg-dry	1	10/26/2012 4:15:00 PM
sec-Butylbenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
4-Isopropyltoluene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,3-Dichlorobenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,4-Dichlorobenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
n-Butylbenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2-Dichlorobenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2,4-Trimethylbenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Hexachlorobutadiene	ND	0.117		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Naphthalene	ND	0.0350		mg/Kg-dry	1	10/26/2012 4:15:00 PM
1,2,3-Trichlorobenzene	ND	0.0233		mg/Kg-dry	1	10/26/2012 4:15:00 PM
Surr: 1-Bromo-4-fluorobenzene	122	63.1-141		%REC	1	10/26/2012 4:15:00 PM
Surr: Dibromofluoromethane	85.8	67.6-119		%REC	1	10/26/2012 4:15:00 PM
Surr: Toluene-d8	103	78.5-126		%REC	1	10/26/2012 4:15:00 PM
Total Metals by EPA Method 6020				Batch ID: 3528		Analyst: SG
Cadmium	0.226	0.218		mg/Kg-dry	1	11/2/2012 3:34:21 AM
Chromium	94.2	0.109		mg/Kg-dry	1	11/2/2012 3:34:21 AM
Copper	48.1	0.218		mg/Kg-dry	1	11/2/2012 3:34:21 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 10:35:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-044
Matrix: Soil
Client Sample ID: KLA-8-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	20.2			wt%	1	10/30/2012 1:41:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 12:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-046
Matrix: Water
Client Sample ID: KLA-8-H2O

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R6369		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Chloromethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Vinyl chloride	ND	0.200		µg/L	1	10/29/2012 5:47:00 PM
Bromomethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Chloroethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Methylene chloride	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/29/2012 5:47:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Chloroform	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Benzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Trichloroethene (TCE)	76.6	10.0	D	µg/L	10	10/31/2012 3:55:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Dibromomethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Toluene	2.76	1.00		µg/L	1	10/29/2012 5:47:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	10/29/2012 5:47:00 PM
Chlorobenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Ethylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
m,p-Xylene	3.42	1.00		µg/L	1	10/29/2012 5:47:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 12:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-046
Matrix: Water
Client Sample ID: KLA-8-H2O

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R6369		Analyst: EM
o-Xylene	1.32	1.00		µg/L	1	10/29/2012 5:47:00 PM
Styrene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Bromoform	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
Bromobenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/29/2012 5:47:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2,4-Trimethylbenzene	1.63	1.00		µg/L	1	10/29/2012 5:47:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/29/2012 5:47:00 PM
Naphthalene	ND	1.00		µg/L	1	10/29/2012 5:47:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/29/2012 5:47:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	79.2-120		%REC	1	10/29/2012 5:47:00 PM
Surr: Dibromofluoromethane	105	76-114		%REC	1	10/29/2012 5:47:00 PM
Surr: Toluene-d8	99.3	86.8-119		%REC	1	10/29/2012 5:47:00 PM
Total Metals by EPA Method 200.8				Batch ID: 3546		Analyst: SG
Cadmium	863	0.200		µg/L	1	11/1/2012 1:17:04 AM
Chromium	4.76	0.500		µg/L	1	11/1/2012 1:17:04 AM
Copper	11.6	0.500		µg/L	1	11/1/2012 1:17:04 AM
Zinc	17.6	1.50		µg/L	1	11/1/2012 1:17:04 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 12:00:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-046
Matrix: Water
Client Sample ID: KLA-8-H2O

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Cyanide by SM 4500-CN C, E				Batch ID: R6361		Analyst: BR
Cyanide, Total	1.89	0.125	D	mg/L	5	10/30/2012 4:20:11 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 11:30:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-047
Matrix: Soil
Client Sample ID: KLA-9-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0653		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Chloromethane	ND	0.0653		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Vinyl chloride	ND	0.00218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Bromomethane	ND	0.0979		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Chloroethane	ND	0.0653		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1-Dichloroethene	ND	0.0544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Methylene chloride	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
trans-1,2-Dichloroethene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1-Dichloroethane	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
2,2-Dichloropropane	ND	0.0544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
cis-1,2-Dichloroethene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Chloroform	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1-Dichloropropene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Carbon tetrachloride	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2-Dichloroethane (EDC)	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Benzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Trichloroethene (TCE)	0.190	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2-Dichloropropane	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Bromodichloromethane	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Dibromomethane	ND	0.0435		mg/Kg-dry	1	10/26/2012 4:43:00 PM
cis-1,3-Dichloropropene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Toluene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
trans-1,3-Dichloropropylene	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1,2-Trichloroethane	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,3-Dichloropropane	ND	0.0544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Tetrachloroethene (PCE)	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Dibromochloromethane	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2-Dibromoethane (EDB)	ND	0.00544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Chlorobenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Ethylbenzene	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
m,p-Xylene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 11:30:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-047
Matrix: Soil
Client Sample ID: KLA-9-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Styrene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Isopropylbenzene	ND	0.0870		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Bromoform	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
n-Propylbenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Bromobenzene	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,3,5-Trimethylbenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
2-Chlorotoluene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
4-Chlorotoluene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
tert-Butylbenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2,3-Trichloropropane	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2,4-Trichlorobenzene	ND	0.0544		mg/Kg-dry	1	10/26/2012 4:43:00 PM
sec-Butylbenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
4-Isopropyltoluene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,3-Dichlorobenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,4-Dichlorobenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
n-Butylbenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2-Dichlorobenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2,4-Trimethylbenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Hexachlorobutadiene	ND	0.109		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Naphthalene	ND	0.0326		mg/Kg-dry	1	10/26/2012 4:43:00 PM
1,2,3-Trichlorobenzene	ND	0.0218		mg/Kg-dry	1	10/26/2012 4:43:00 PM
Surr: 1-Bromo-4-fluorobenzene	119	63.1-141		%REC	1	10/26/2012 4:43:00 PM
Surr: Dibromofluoromethane	81.5	67.6-119		%REC	1	10/26/2012 4:43:00 PM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/26/2012 4:43:00 PM
Total Metals by EPA Method 6020				Batch ID: 3529		Analyst: SG
Cadmium	0.225	0.199		mg/Kg-dry	1	10/29/2012 10:07:10 PM
Chromium	80.8	0.0993		mg/Kg-dry	1	10/29/2012 10:07:10 PM
Copper	48.8	0.199		mg/Kg-dry	1	10/29/2012 10:07:10 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 11:30:00 AM
Project: Phillips Manor Phase II
Lab ID: 1210212-047
Matrix: Soil
Client Sample ID: KLA-9-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	21.3			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.594		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 12:35:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-050
Matrix: Soil
Client Sample ID: KLA-10-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0846		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Chloromethane	ND	0.0846		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Vinyl chloride	ND	0.00282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Bromomethane	ND	0.127		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Chloroethane	ND	0.0846		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1-Dichloroethene	ND	0.0705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Methylene chloride	0.0289	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
trans-1,2-Dichloroethene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1-Dichloroethane	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
2,2-Dichloropropane	ND	0.0705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
cis-1,2-Dichloroethene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Chloroform	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1-Dichloropropene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Carbon tetrachloride	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2-Dichloroethane (EDC)	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Benzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Trichloroethene (TCE)	0.769	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2-Dichloropropane	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Bromodichloromethane	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Dibromomethane	ND	0.0564		mg/Kg-dry	1	10/26/2012 5:10:00 PM
cis-1,3-Dichloropropene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Toluene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
trans-1,3-Dichloropropylene	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1,2-Trichloroethane	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,3-Dichloropropane	ND	0.0705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Tetrachloroethene (PCE)	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Dibromochloromethane	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2-Dibromoethane (EDB)	ND	0.00705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Chlorobenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Ethylbenzene	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
m,p-Xylene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 12:35:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-050
Matrix: Soil
Client Sample ID: KLA-10-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: 3516		Analyst: EM
o-Xylene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Styrene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Isopropylbenzene	ND	0.113		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Bromoform	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
n-Propylbenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Bromobenzene	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,3,5-Trimethylbenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
2-Chlorotoluene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
4-Chlorotoluene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
tert-Butylbenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2,3-Trichloropropane	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2,4-Trichlorobenzene	ND	0.0705		mg/Kg-dry	1	10/26/2012 5:10:00 PM
sec-Butylbenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
4-Isopropyltoluene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,3-Dichlorobenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,4-Dichlorobenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
n-Butylbenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2-Dichlorobenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2,4-Trimethylbenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Hexachlorobutadiene	ND	0.141		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Naphthalene	ND	0.0423		mg/Kg-dry	1	10/26/2012 5:10:00 PM
1,2,3-Trichlorobenzene	ND	0.0282		mg/Kg-dry	1	10/26/2012 5:10:00 PM
Surr: 1-Bromo-4-fluorobenzene	123	63.1-141		%REC	1	10/26/2012 5:10:00 PM
Surr: Dibromofluoromethane	80.7	67.6-119		%REC	1	10/26/2012 5:10:00 PM
Surr: Toluene-d8	104	78.5-126		%REC	1	10/26/2012 5:10:00 PM

NOTES:
Methylene Chloride is a common laboratory solvent.

Total Metals by EPA Method 6020				Batch ID: 3529		Analyst: SG
Cadmium	ND	0.189		mg/Kg-dry	1	10/29/2012 11:34:55 PM
Chromium	83.8	0.0945		mg/Kg-dry	1	10/29/2012 11:34:55 PM
Zinc	102	0.378		mg/Kg-dry	1	10/29/2012 11:34:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1210212**
Date Reported: **11/26/2012**

Client: Kane Environmental, Inc.
Collection Date: 10/23/2012 12:35:00 PM
Project: Phillips Manor Phase II
Lab ID: 1210212-050
Matrix: Soil
Client Sample ID: KLA-10-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R6354		Analyst: AO
Percent Moisture	18.0			wt%	1	10/30/2012 1:41:37 PM
Cyanide by SM 4500-CN C, E				Batch ID: 3530		Analyst: BR
Cyanide, Total	ND	0.586		mg/Kg-dry	1	10/30/2012 4:18:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Cyanide by SM 4500-CN C, E

Sample ID: **MB-R6361**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **10/29/2012**		RunNo: **6361**		
Client ID: **MBLKW**	Batch ID: **R6361**					Analysis Date: **10/30/2012**		SeqNo: **126155**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	ND	0.0500									

Sample ID: **LCS-R6361**	SampType: **LCS**			Units: **mg/L**		Prep Date: **10/29/2012**		RunNo: **6361**		
Client ID: **LCSW**	Batch ID: **R6361**					Analysis Date: **10/30/2012**		SeqNo: **126156**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	1.12	0.0500	1.000	0	112	80	120				

Sample ID: **1210242-001DDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **10/29/2012**		RunNo: **6361**		
Client ID: **BATCH**	Batch ID: **R6361**					Analysis Date: **10/30/2012**		SeqNo: **126159**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	ND	0.0250						0	0	20	

Sample ID: **1210242-001DMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **10/29/2012**		RunNo: **6361**		
Client ID: **BATCH**	Batch ID: **R6361**					Analysis Date: **10/30/2012**		SeqNo: **126160**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.519	0.0250	0.5000	0	104	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Cyanide by SM 4500-CN C, E

Sample ID: **MB-R6360**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/29/2012**		RunNo: **6360**		
Client ID: **MBLKS**	Batch ID: **3530**					Analysis Date: **10/30/2012**		SeqNo: **126138**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	ND	0.500									

Sample ID: **LCS-R6360**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/29/2012**		RunNo: **6360**		
Client ID: **LCSS**	Batch ID: **3530**					Analysis Date: **10/30/2012**		SeqNo: **126139**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	1.09	0.500	1.000	0	109	80	120				

Sample ID: **1210212-050BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **10/29/2012**		RunNo: **6360**		
Client ID: **KLA-10-4**	Batch ID: **3530**					Analysis Date: **10/30/2012**		SeqNo: **126152**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	ND	0.581						0	0	20	

Sample ID: **1210212-050BMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/29/2012**		RunNo: **6360**		
Client ID: **KLA-10-4**	Batch ID: **3530**					Analysis Date: **10/30/2012**		SeqNo: **126153**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	32.1	0.586	28.19	0	114	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-3546**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **10/31/2012**	RunNo: **6376**
Client ID: **MBLKW**	Batch ID: **3546**		Analysis Date: **11/1/2012**	SeqNo: **126616**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.200									
Chromium	ND	0.500									
Copper	ND	0.500									
Zinc	ND	1.50									

Sample ID: **LCS-3546**	SampType: **LCS**	Units: **µg/L**	Prep Date: **10/31/2012**	RunNo: **6376**
Client ID: **LCSW**	Batch ID: **3546**		Analysis Date: **11/1/2012**	SeqNo: **126617**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	5.22	0.200	5.000	0	104	85	115				
Chromium	100	0.500	100.0	0	100	85	115				
Copper	108	0.500	100.0	0	108	85	115				
Zinc	108	1.50	100.0	0	108	85	115				

Sample ID: **1210212-046BDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **10/31/2012**	RunNo: **6376**
Client ID: **KLA-8-H2O**	Batch ID: **3546**		Analysis Date: **11/1/2012**	SeqNo: **126619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	829	0.200						863.3	4.00	30	
Chromium	4.62	0.500						4.762	2.98	30	
Copper	7.32	0.500						11.63	45.5	30	R
Zinc	22.0	1.50						17.63	21.9	30	

NOTES:
R - High RPD noted for Copper. The method is in control as indicated by the Laboratory Control Sample (LCS).

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **1210212-046BMS** SampType: **MS** Units: **µg/L** Prep Date: **10/31/2012** RunNo: **6376**
Client ID: **KLA-8-H2O** Batch ID: **3546** Analysis Date: **11/1/2012** SeqNo: **126620**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	856	0.200	25.00	863.3	-27.9	70	130				S
Chromium	466	0.500	500.0	4.762	92.3	70	130				
Copper	519	0.500	500.0	11.63	102	70	130				
Zinc	547	1.50	500.0	17.63	106	70	130				

NOTES:
S - Outlying spike recovery observed for Cd. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **1210212-046BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **10/31/2012** RunNo: **6376**
Client ID: **KLA-8-H2O** Batch ID: **3546** Analysis Date: **11/1/2012** SeqNo: **126621**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	880	0.200	25.00	863.3	67.2	70	130	856.3	2.74	30	S
Chromium	479	0.500	500.0	4.762	94.8	70	130	466.1	2.68	30	
Copper	526	0.500	500.0	11.63	103	70	130	519.5	1.22	30	
Zinc	555	1.50	500.0	17.63	108	70	130	547.0	1.52	30	

NOTES:
S - Outlying spike recovery observed for Cd. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID: **MB-3529**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/29/2012**	RunNo: **6345**
Client ID: **MBLKS**	Batch ID: **3529**		Analysis Date: **10/29/2012**	SeqNo: **125866**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.200									
Chromium	ND	0.100									
Copper	ND	0.200									
Zinc	ND	0.400									

Sample ID: **LCS-3529**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/29/2012**	RunNo: **6345**
Client ID: **LCSS**	Batch ID: **3529**		Analysis Date: **10/29/2012**	SeqNo: **125867**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	107	0.200	86.50	0	123	73.18	127.2				
Chromium	230	0.100	208.0	0	111	70.67	129.3				
Copper	262	0.200	250.0	0	105	75.6	124				
Zinc	922	0.400	831.0	0	111	74.01	126.4				

Sample ID: **1210212-047BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/29/2012**	RunNo: **6345**
Client ID: **KLA-9-4**	Batch ID: **3529**		Analysis Date: **10/29/2012**	SeqNo: **125869**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.227						0	0	30	
Chromium	95.8	0.113						80.80	16.9	30	
Copper	54.6	0.227						48.81	11.3	30	
Zinc	109	0.454						118.3	7.86	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID: **1210212-047BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **10/29/2012**	RunNo: **6345**
Client ID: **KLA-9-4**	Batch ID: **3529**		Analysis Date: **10/29/2012**	SeqNo: **125871**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.95	0.196	2.444	0.2251	112	75	125				
Chromium	141	0.0978	48.88	80.80	124	75	125				
Copper	97.3	0.196	48.88	48.81	99.2	75	125				
Zinc	164	0.391	48.88	118.3	93.0	75	125				

Sample ID: **1210212-047BMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **10/29/2012**	RunNo: **6345**
Client ID: **KLA-9-4**	Batch ID: **3529**		Analysis Date: **10/29/2012**	SeqNo: **125872**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	3.23	0.208	2.604	0.2251	116	75	125	2.953	9.08	30	
Chromium	160	0.104	52.08	80.80	153	75	125	141.4	12.6	30	S
Copper	108	0.208	52.08	48.81	114	75	125	97.30	10.5	30	
Zinc	182	0.417	52.08	118.3	123	75	125	163.7	10.7	30	

NOTES:
S - Outlying spike recovery(ies) observed.

Sample ID: **MB-3528**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/29/2012**	RunNo: **6399**
Client ID: **MBLKS**	Batch ID: **3528**		Analysis Date: **11/1/2012**	SeqNo: **127175**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.200									
Chromium	ND	0.100									
Copper	ND	0.200									
Lead	ND	0.200									
Zinc	ND	0.400									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID: **LCS-3528** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/29/2012** RunNo: **6399**
Client ID: **LCSS** Batch ID: **3528** Analysis Date: **11/1/2012** SeqNo: **127176**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	97.1	0.200	86.50	0	112	73.18	127.2				
Chromium	268	0.100	208.0	0	129	70.67	129.3				
Copper	293	0.200	250.0	0	117	75.6	124				
Lead	81.8	0.200	72.10	0	113	68.1	131.9				
Zinc	835	0.400	831.0	0	100	74.01	126.4				

Sample ID: **1210212-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/29/2012** RunNo: **6399**
Client ID: **KSB-1:8.5** Batch ID: **3528** Analysis Date: **11/1/2012** SeqNo: **127178**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.204						0	0	30	
Chromium	58.2	0.102						50.33	14.4	30	
Copper	25.8	0.204						22.47	13.6	30	
Lead	3.40	0.204						3.009	12.1	30	
Zinc	49.4	0.408						42.96	14.0	30	

Sample ID: **1210212-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/29/2012** RunNo: **6399**
Client ID: **KSB-1:8.5** Batch ID: **3528** Analysis Date: **11/1/2012** SeqNo: **127180**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.53	0.184	2.299	0.06508	107	75	125				
Chromium	107	0.0920	45.98	50.33	124	75	125				
Copper	72.2	0.184	45.98	22.47	108	75	125				
Lead	25.7	0.184	22.99	3.009	98.8	75	125				
Zinc	87.1	0.368	45.98	42.96	95.9	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID: **1210212-001BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **10/29/2012** RunNo: **6399**
Client ID: **KSB-1:8.5** Batch ID: **3528** Analysis Date: **11/1/2012** SeqNo: **127181**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.32	0.177	2.209	0.06508	102	75	125	2.528	8.41	30	
Chromium	100	0.0884	44.18	50.33	112	75	125	107.2	7.00	30	
Copper	67.5	0.177	44.18	22.47	102	75	125	72.22	6.79	30	
Lead	23.9	0.177	22.09	3.009	94.5	75	125	25.73	7.43	30	
Zinc	79.3	0.353	44.18	42.96	82.2	75	125	87.07	9.35	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **1210212-039BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/26/2012**	RunNo: **6401**
Client ID: **KLA-6-10**	Batch ID: **3525**		Analysis Date: **10/31/2012**	SeqNo: **127233**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	21.0						0	0	30	
Heavy Oil	ND	52.5						0	0	30	
Surr: 2-Fluorobiphenyl	20.9		21.00		99.6	50	150		0		
Surr: o-Terphenyl	21.0		21.00		100	50	150		0		

Sample ID: **LCS-3525**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/26/2012**	RunNo: **6401**
Client ID: **LCSS**	Batch ID: **3525**		Analysis Date: **10/30/2012**	SeqNo: **127243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	518	20.0	500.0	0	104	65	135				
Surr: 2-Fluorobiphenyl	19.9		20.00		99.6	50	150				
Surr: o-Terphenyl	20.4		20.00		102	50	150				

Sample ID: **MB-3525**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/26/2012**	RunNo: **6401**
Client ID: **MBLKS**	Batch ID: **3525**		Analysis Date: **10/30/2012**	SeqNo: **127244**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	20.7		20.00		103	50	150				
Surr: o-Terphenyl	20.7		20.00		103	50	150				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **1210212-001ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **10/25/2012**	RunNo: **6358**
Client ID: **KSB-1:8.5**	Batch ID: **3516**		Analysis Date: **10/26/2012**	SeqNo: **126119**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.54						0	0	30	
Gasoline Range Organics C6-C12	169	5.54						162.5	4.19	30	E
Surr: 1,2-Dichloroethane-d4	0.435		0.5536		78.5	65	135		0		
Surr: Fluorobenzene	0.371		0.5536		67.0	65	135		0		

NOTES:
GRO - Indicates the presence of unresolved compounds eluting from toluene to dodecane (~C7->C12).

Sample ID: **CCV-R6358C**	SampType: **CCV**	Units: **mg/Kg**	Prep Date: **10/25/2012**	RunNo: **6358**
Client ID: **CCV**	Batch ID: **3516**		Analysis Date: **10/30/2012**	SeqNo: **126129**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	425	5.00	500.0	0	85.1	80	120				
Surr: 1,2-Dichloroethane-d4	9.53		10.00		95.3	65	135				
Surr: Fluorobenzene	10.8		10.00		108	65	135				

Sample ID: **LCS-R6358**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **10/25/2012**	RunNo: **6358**
Client ID: **LCSS**	Batch ID: **3516**		Analysis Date: **10/26/2012**	SeqNo: **126130**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	18.4	5.00	25.00	0	73.7	65	135				
Surr: 1,2-Dichloroethane-d4	0.591		0.5000		118	65	135				
Surr: Fluorobenzene	0.441		0.5000		88.1	65	135				

Sample ID: **MB-R6358**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **10/25/2012**	RunNo: **6358**
Client ID: **MBLKS**	Batch ID: **3516**		Analysis Date: **10/26/2012**	SeqNo: **126131**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-R6358** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6358**
Client ID: **MBLKS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126131**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.596		0.5000		119	65	135				
Surr: Fluorobenzene	0.432		0.5000		86.3	65	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210212-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **KSB-1:8.5** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126090**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0664						0	0	30	
Chloromethane	ND	0.0664						0	0	30	
Vinyl chloride	ND	0.00221						0	0	30	
Bromomethane	ND	0.0996						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0554						0	0	30	
Chloroethane	ND	0.0664						0	0	30	
1,1-Dichloroethene	ND	0.0554						0	0	30	
Methylene chloride	ND	0.0221						0	0	30	
trans-1,2-Dichloroethene	ND	0.0221						0	0	30	
Methyl tert-butyl ether (MTBE)	ND	0.0554						0	0	30	
1,1-Dichloroethane	ND	0.0221						0	0	30	
2,2-Dichloropropane	ND	0.0554						0	0	30	
cis-1,2-Dichloroethene	ND	0.0221						0	0	30	
Chloroform	0.0299	0.0221						0.03322	10.5	30	
1,1,1-Trichloroethane (TCA)	ND	0.0221						0	0	30	
1,1-Dichloropropene	ND	0.0221						0	0	30	
Carbon tetrachloride	ND	0.0221						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.0332						0	0	30	
Benzene	ND	0.0221						0	0	30	
Trichloroethene (TCE)	ND	0.0332						0	0	30	
1,2-Dichloropropane	ND	0.0221						0	0	30	
Bromodichloromethane	ND	0.0221						0	0	30	
Dibromomethane	ND	0.0443						0	0	30	
cis-1,3-Dichloropropene	ND	0.0221						0	0	30	
Toluene	ND	0.0221						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0332						0	0	30	
1,1,2-Trichloroethane	ND	0.0332						0	0	30	
1,3-Dichloropropane	ND	0.0554						0	0	30	
Tetrachloroethene (PCE)	ND	0.0221						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210212-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **KSB-1:8.5** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126090**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	0.0332						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00554						0	0	30	
Chlorobenzene	ND	0.0221						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0332						0	0	30	
Ethylbenzene	ND	0.0332						0	0	30	
m,p-Xylene	ND	0.0221						0	0	30	
o-Xylene	ND	0.0221						0	0	30	
Styrene	ND	0.0221						0	0	30	
Isopropylbenzene	ND	0.0886						0	0	30	
Bromoform	ND	0.0221						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0221						0	0	30	
n-Propylbenzene	0.240	0.0221						0.2242	6.91	30	
Bromobenzene	ND	0.0332						0	0	30	
1,3,5-Trimethylbenzene	0.0819	0.0221						0.08027	2.05	30	
2-Chlorotoluene	ND	0.0221						0	0	30	
4-Chlorotoluene	ND	0.0221						0	0	30	
tert-Butylbenzene	ND	0.0221						0	0	30	
1,2,3-Trichloropropane	ND	0.0221						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0554						0	0	30	
sec-Butylbenzene	ND	0.0221						0	0	30	
4-Isopropyltoluene	0.582	0.0221						0.6062	4.01	30	
1,3-Dichlorobenzene	ND	0.0221						0	0	30	
1,4-Dichlorobenzene	ND	0.0221						0	0	30	
n-Butylbenzene	ND	0.0221						0	0	30	
1,2-Dichlorobenzene	ND	0.0221						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0332						0	0	30	
1,2,4-Trimethylbenzene	0.139	0.0221						0.1428	2.75	30	
Hexachlorobutadiene	ND	0.111						0	0	30	
Naphthalene	ND	0.0332						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210212-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **KSB-1:8.5** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126090**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	ND	0.0221						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.612		0.5536		110	63.1	141		0		
Surr: Dibromofluoromethane	0.476		0.5536		85.9	67.6	119		0		
Surr: Toluene-d8	0.722		0.5536		130	78.5	126		0		S

NOTES:
S - High surrogate recovery attributed to TPH interference. The method is in control as indicated by the Method Blank (MB) & Laboratory Control Sample (LCS). Duplicate sample also showed high surrogate recovery but was within laboratory control limits.

Sample ID: **1210212-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **KSB-1:10** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126092**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.806	0.0542	0.9032	0	89.2	43.5	121				
Chloromethane	0.900	0.0542	0.9032	0	99.6	45	130				
Vinyl chloride	1.10	0.00181	0.9032	0	122	51.2	146				
Bromomethane	0.734	0.0813	0.9032	0	81.2	70	130				
Trichlorofluoromethane (CFC-11)	0.272	0.0452	0.9032	0	30.1	52.2	132				S
Chloroethane	0.380	0.0542	0.9032	0	42.0	43.8	117				S
1,1-Dichloroethene	0.975	0.0452	0.9032	0	108	61.9	141				
Methylene chloride	1.14	0.0181	0.9032	0.02393	124	54.7	142				
trans-1,2-Dichloroethene	1.31	0.0181	0.9032	0	145	52	136				S
Methyl tert-butyl ether (MTBE)	1.13	0.0452	0.9032	0	125	54.4	132				
1,1-Dichloroethane	1.22	0.0181	0.9032	0	135	51.8	141				
2,2-Dichloropropane	1.41	0.0452	0.9032	0	156	36	123				S
cis-1,2-Dichloroethene	1.02	0.0181	0.9032	0	112	58.6	136				
Chloroform	0.961	0.0181	0.9032	0	106	53.2	129				
1,1,1-Trichloroethane (TCA)	1.09	0.0181	0.9032	0	120	58.3	145				
1,1-Dichloropropene	1.03	0.0181	0.9032	0	114	55.1	138				
Carbon tetrachloride	1.08	0.0181	0.9032	0	119	53.3	144				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210212-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **KSB-1:10** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126092**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	0.991	0.0271	0.9032	0	110	51.3	139				
Benzene	1.09	0.0181	0.9032	0	120	63.5	133				
Trichloroethene (TCE)	1.07	0.0271	0.9032	0	118	68.6	132				
1,2-Dichloropropane	1.08	0.0181	0.9032	0	120	59	136				
Bromodichloromethane	1.10	0.0181	0.9032	0	122	50.7	141				
Dibromomethane	1.06	0.0361	0.9032	0	117	50.6	137				
cis-1,3-Dichloropropene	1.20	0.0181	0.9032	0	133	52.3	129				S
Toluene	1.25	0.0181	0.9032	0	139	67.8	129				S
trans-1,3-Dichloropropylene	1.21	0.0271	0.9032	0	134	52.2	138				
1,1,2-Trichloroethane	1.14	0.0271	0.9032	0	126	51.6	137				
1,3-Dichloropropane	1.14	0.0452	0.9032	0	126	53.1	134				
Tetrachloroethene (PCE)	1.19	0.0181	0.9032	0	132	44.1	141				
Dibromochloromethane	1.14	0.0271	0.9032	0	127	55.3	140				
1,2-Dibromoethane (EDB)	1.13	0.00452	0.9032	0.01039	124	50.4	136				
Chlorobenzene	1.16	0.0181	0.9032	0	129	60	133				
1,1,1,2-Tetrachloroethane	1.07	0.0271	0.9032	0	118	53.1	142				
Ethylbenzene	1.16	0.0271	0.9032	0	128	54.5	134				
m,p-Xylene	2.29	0.0181	1.806	0	127	53.1	132				
o-Xylene	1.13	0.0181	0.9032	0	126	53.3	139				
Styrene	1.16	0.0181	0.9032	0	129	51.1	132				
Isopropylbenzene	1.05	0.0723	0.9032	0	117	58.9	138				
Bromoform	0.923	0.0181	0.9032	0	102	57.9	130				
1,1,2,2-Tetrachloroethane	0.989	0.0181	0.9032	0	109	51.9	131				
n-Propylbenzene	0.973	0.0181	0.9032	0	108	53.6	140				
Bromobenzene	1.06	0.0271	0.9032	0	117	54.2	140				
1,3,5-Trimethylbenzene	1.01	0.0181	0.9032	0	112	51.8	136				
2-Chlorotoluene	1.03	0.0181	0.9032	0	114	51.6	136				
4-Chlorotoluene	0.979	0.0181	0.9032	0	108	50.1	139				
tert-Butylbenzene	1.18	0.0181	0.9032	0	130	50.5	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210212-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **KSB-1:10** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126092**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	0.866	0.0181	0.9032	0	95.8	50.5	131				
1,2,4-Trichlorobenzene	0.773	0.0452	0.9032	0.009483	84.5	50.8	130				
sec-Butylbenzene	1.18	0.0181	0.9032	0	130	52.6	141				
4-Isopropyltoluene	1.17	0.0181	0.9032	0	129	52.9	134				
1,3-Dichlorobenzene	1.07	0.0181	0.9032	0	119	52.6	131				
1,4-Dichlorobenzene	1.07	0.0181	0.9032	0	118	52.9	129				
n-Butylbenzene	0.984	0.0181	0.9032	0	109	52.6	130				
1,2-Dichlorobenzene	1.03	0.0181	0.9032	0	114	55.8	129				
1,2-Dibromo-3-chloropropane	0.778	0.0271	0.9032	0	86.1	53	129				
1,2,4-Trimethylbenzene	1.20	0.0181	0.9032	0	133	50.6	137				
Hexachlorobutadiene	0.835	0.0903	0.9032	0.03477	88.6	51.5	130				
Naphthalene	0.717	0.0271	0.9032	0.01851	77.3	52.3	124				
1,2,3-Trichlorobenzene	0.744	0.0181	0.9032	0	82.4	54.4	124				
Surr: 1-Bromo-4-fluorobenzene	0.434		0.4516		96.0	63.1	141				
Surr: Dibromofluoromethane	0.425		0.4516		94.1	67.6	119				
Surr: Toluene-d8	0.505		0.4516		112	78.5	126				

NOTES:
S - Outlying QC recoveries were associated with this sample. The method is in control as indicated by the LCS.

Sample ID: **LCS-3516** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **LCSS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126114**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.881	0.0600	1.000	0	88.1	37.7	136				
Chloromethane	0.927	0.0600	1.000	0	92.7	38.8	132				
Vinyl chloride	1.07	0.00200	1.000	0	107	56.1	130				
Bromomethane	0.988	0.0900	1.000	0	98.9	44.3	149				
Trichlorofluoromethane (CFC-11)	0.914	0.0500	1.000	0	91.4	61.8	130				
Chloroethane	0.820	0.0600	1.000	0	82.0	52.2	131				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-3516** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **LCSS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126114**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.07	0.0500	1.000	0	107	64.6	134				
Methylene chloride	0.967	0.0200	1.000	0	96.7	60.6	140				
trans-1,2-Dichloroethene	1.00	0.0200	1.000	0	100	68.7	127				
Methyl tert-butyl ether (MTBE)	0.919	0.0500	1.000	0	91.9	73.4	128				
1,1-Dichloroethane	0.981	0.0200	1.000	0	98.1	65.5	132				
2,2-Dichloropropane	0.938	0.0500	1.000	0	93.8	28.1	149				
cis-1,2-Dichloroethene	1.02	0.0200	1.000	0	102	71.6	123				
Chloroform	1.01	0.0200	1.000	0	101	67.5	129				
1,1,1-Trichloroethane (TCA)	1.05	0.0200	1.000	0	105	74.4	130				
1,1-Dichloropropene	1.07	0.0200	1.000	0	107	72.7	131				
Carbon tetrachloride	1.07	0.0200	1.000	0	107	73	136				
1,2-Dichloroethane (EDC)	1.06	0.0300	1.000	0	106	68.7	133				
Benzene	1.06	0.0200	1.000	0	106	74.6	124				
Trichloroethene (TCE)	1.10	0.0300	1.000	0	110	71.5	134				
1,2-Dichloropropane	1.05	0.0200	1.000	0	105	72.7	133				
Bromodichloromethane	1.02	0.0200	1.000	0	102	76.1	136				
Dibromomethane	1.02	0.0400	1.000	0	102	70	130				
cis-1,3-Dichloropropene	1.04	0.0200	1.000	0	104	59.1	143				
Toluene	1.06	0.0200	1.000	0	106	81.1	123				
trans-1,3-Dichloropropylene	0.909	0.0300	1.000	0	90.9	49.2	149				
1,1,2-Trichloroethane	1.00	0.0300	1.000	0	100	74.5	129				
1,3-Dichloropropane	1.01	0.0500	1.000	0	101	70	130				
Tetrachloroethene (PCE)	1.03	0.0200	1.000	0	103	64.4	150				
Dibromochloromethane	0.975	0.0300	1.000	0	97.5	70.6	144				
1,2-Dibromoethane (EDB)	0.972	0.00500	1.000	0	97.2	70	130				
Chlorobenzene	1.13	0.0200	1.000	0	113	76.1	123				
1,1,1,2-Tetrachloroethane	0.990	0.0300	1.000	0	99.0	74.8	131				
Ethylbenzene	1.05	0.0300	1.000	0	105	74	129				
m,p-Xylene	2.19	0.0200	2.000	0	109	79.8	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-3516** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **LCSS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126114**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	1.09	0.0200	1.000	0	109	77.3	128				
Styrene	1.15	0.0200	1.000	0	115	76.8	130				
Isopropylbenzene	1.14	0.0800	1.000	0	114	70	130				
Bromoform	1.05	0.0200	1.000	0	105	67	154				
1,1,2,2-Tetrachloroethane	1.02	0.0200	1.000	0	102	61.9	139				
n-Propylbenzene	1.10	0.0200	1.000	0	110	78	130				
Bromobenzene	1.07	0.0300	1.000	0	107	49.2	144				
1,3,5-Trimethylbenzene	1.20	0.0200	1.000	0	120	79.7	128				
2-Chlorotoluene	1.19	0.0200	1.000	0	119	76.7	129				
4-Chlorotoluene	1.26	0.0200	1.000	0	126	77.5	125				S
tert-Butylbenzene	1.30	0.0200	1.000	0	130	74.2	128				S
1,2,3-Trichloropropane	1.05	0.0200	1.000	0	105	67.9	136				
1,2,4-Trichlorobenzene	0.977	0.0500	1.000	0	97.7	65.6	137				
sec-Butylbenzene	1.09	0.0200	1.000	0	109	75.6	133				
4-Isopropyltoluene	1.10	0.0200	1.000	0	110	76.8	131				
1,3-Dichlorobenzene	1.02	0.0200	1.000	0	102	72.8	128				
1,4-Dichlorobenzene	1.08	0.0200	1.000	0	108	72.6	126				
n-Butylbenzene	1.02	0.0200	1.000	0	102	65.3	136				
1,2-Dichlorobenzene	1.07	0.0200	1.000	0	107	72.8	126				
1,2-Dibromo-3-chloropropane	1.03	0.0300	1.000	0	103	64.3	135				
1,2,4-Trimethylbenzene	1.17	0.0200	1.000	0	117	77.5	129				
Hexachlorobutadiene	0.956	0.100	1.000	0	95.6	42	151				
Naphthalene	0.835	0.0300	1.000	0	83.5	64	130				
1,2,3-Trichlorobenzene	0.910	0.0200	1.000	0	91.0	62.1	140				
Surr: 1-Bromo-4-fluorobenzene	0.566		0.5000		113	63.1	141				
Surr: Dibromofluoromethane	0.518		0.5000		104	67.6	119				
Surr: Toluene-d8	0.522		0.5000		104	78.5	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-3516** SampType: **LCS** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **LCSS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126114**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying QC recoveries were associated with this sample. The method is in control as indicated by the second source ICV.

Sample ID: **MB-3516** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **MBLKS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126115**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-3516** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **MBLKS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126115**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-3516** SampType: **MBLK** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **MBLKS** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126115**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.462		0.5000		92.3	63.1	141				
Surr: Dibromofluoromethane	0.429		0.5000		85.7	67.6	119				
Surr: Toluene-d8	0.506		0.5000		101	78.5	126				

Sample ID: **ICV-3516** SampType: **ICV** Units: **mg/Kg** Prep Date: **10/25/2012** RunNo: **6357**
Client ID: **ICV** Batch ID: **3516** Analysis Date: **10/26/2012** SeqNo: **126132**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	23.2	0.0200	20.00	0	116	70	130				
tert-Butylbenzene	19.6	0.0200	20.00	0	98.1	70	130				
Surr: 1-Bromo-4-fluorobenzene	11.0		10.00		110	63.1	141				
Surr: Dibromofluoromethane	9.78		10.00		97.8	67.6	119				
Surr: Toluene-d8	10.9		10.00		109	78.5	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210245-006ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **BATCH** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126380**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0	0	30	
Chloromethane	ND	0.500						0	0	30	
Vinyl chloride	ND	0.200						0	0	30	
Bromomethane	ND	0.500						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0	0	30	
Chloroethane	ND	0.500						0	0	30	
1,1-Dichloroethene	ND	0.500						0	0	30	
Methylene chloride	ND	0.500						0	0	30	
trans-1,2-Dichloroethene	ND	0.500						0	0	30	
1,1-Dichloroethane	ND	0.500						0	0	30	
2,2-Dichloropropane	ND	1.00						0	0	30	
cis-1,2-Dichloroethene	ND	0.500						0	0	30	
Chloroform	ND	1.00						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.500						0	0	30	
1,1-Dichloropropene	ND	0.500						0	0	30	
Carbon tetrachloride	ND	1.00						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.500						0	0	30	
Benzene	ND	0.500						0	0	30	
Trichloroethene (TCE)	ND	0.500						0	0	30	
1,2-Dichloropropane	ND	0.500						0	0	30	
Bromodichloromethane	ND	0.500						0	0	30	
Dibromomethane	ND	0.500						0	0	30	
cis-1,3-Dichloropropene	ND	0.500						0	0	30	
Toluene	3.41	0.500						2.350	36.8	30	R
trans-1,3-Dichloropropene	ND	0.500						0	0	30	
1,1,2-Trichloroethane	ND	0.500						0	0	30	
1,3-Dichloropropane	ND	0.500						0	0	30	
Tetrachloroethene (PCE)	ND	0.500						0	0	30	
Dibromochloromethane	ND	0.500						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210245-006ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **BATCH** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126380**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane (EDB)	ND	0.200						0	0	30	
Chlorobenzene	ND	0.500						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.500						0	0	30	
Ethylbenzene	0.930	0.500						0.6600	34.0	30	R
m,p-Xylene	4.14	0.500						3.310	22.3	30	
o-Xylene	1.45	0.500						1.180	20.5	30	
Styrene	ND	0.500						0	0	30	
Isopropylbenzene	ND	1.00						0	0	30	
Bromoform	ND	0.500						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.500						0	0	30	
n-Propylbenzene	ND	0.500						0	0	30	
Bromobenzene	ND	0.500						0	0	30	
1,3,5-Trimethylbenzene	ND	0.500						0	0	30	
2-Chlorotoluene	ND	0.500						0	0	30	
4-Chlorotoluene	ND	0.500						0	0	30	
tert-Butylbenzene	ND	0.500						0	0	30	
1,2,3-Trichloropropane	ND	0.500						0	0	30	
1,2,4-Trichlorobenzene	ND	1.00						0	0	30	
sec-Butylbenzene	ND	0.500						0	0	30	
4-Isopropyltoluene	ND	0.500						0	0	30	
1,3-Dichlorobenzene	ND	0.500						0	0	30	
1,4-Dichlorobenzene	ND	0.500						0	0	30	
n-Butylbenzene	ND	0.500						0	0	30	
1,2-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.500						0	0	30	
1,2,4-Trimethylbenzene	1.19	0.500						1.080	9.69	30	
Hexachlorobutadiene	ND	2.00						0	0	30	
Naphthalene	ND	2.00						0	0	30	
1,2,3-Trichlorobenzene	ND	2.00						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210245-006ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **BATCH** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126380**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	10.3		10.00		103	79.2	120		0		
Surr: Dibromofluoromethane	10.5		10.00		105	76	114		0		
Surr: Toluene-d8	9.95		10.00		99.5	86.8	119		0		

NOTES:
R - High RPD due to low analyte concentration. In this range, high RPD's may be expected. A separate vial was run as the duplicate sample.

Sample ID: **1210245-006AMS** SampType: **MS** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **BATCH** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126381**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	6.86	1.00	20.00	0	34.3	33.3	122				
Chloromethane	14.5	0.500	20.00	0	72.6	48.2	145				
Vinyl chloride	14.7	0.200	20.00	0	73.6	45.6	149				
Bromomethane	16.2	0.500	20.00	0	80.8	31.5	135				
Trichlorofluoromethane (CFC-11)	19.0	0.500	20.00	0	95.0	54.7	138				
Chloroethane	18.4	0.500	20.00	0	91.9	52.7	140				
1,1-Dichloroethene	20.5	0.500	20.00	0	102	58.2	146				
Methylene chloride	21.8	0.500	20.00	0	109	65.1	127				
trans-1,2-Dichloroethene	18.8	0.500	20.00	0	94.1	69	132				
1,1-Dichloroethane	21.4	0.500	20.00	0	107	74.7	133				
2,2-Dichloropropane	21.7	1.00	20.00	0	108	31.5	121				
cis-1,2-Dichloroethene	22.5	0.500	20.00	0	112	67.1	123				
Chloroform	20.7	1.00	20.00	0	103	58.6	123				
1,1,1-Trichloroethane (TCA)	21.8	0.500	20.00	0	109	64.2	146				
1,1-Dichloropropene	22.0	0.500	20.00	0	110	73.8	136				
Carbon tetrachloride	19.7	1.00	20.00	0	98.4	69.2	141				
1,2-Dichloroethane (EDC)	23.2	0.500	20.00	0	116	62.3	130				
Benzene	21.2	0.500	20.00	0	106	68.7	132				
Trichloroethene (TCE)	20.9	0.500	20.00	0	104	65.7	133				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210245-006AMS** SampType: **MS** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **BATCH** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126381**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	23.4	0.500	20.00	0	117	70	130				
Bromodichloromethane	21.8	0.500	20.00	0	109	59.4	139				
Dibromomethane	21.2	0.500	20.00	0	106	65.5	130				
cis-1,3-Dichloropropene	21.6	0.500	20.00	0	108	63.3	124				
Toluene	24.4	0.500	20.00	2.350	110	68.4	133				
trans-1,3-Dichloropropene	21.8	0.500	20.00	0	109	57.7	125				
1,1,2-Trichloroethane	21.3	0.500	20.00	0	107	59.4	127				
1,3-Dichloropropane	22.0	0.500	20.00	0	110	68.2	134				
Tetrachloroethene (PCE)	11.7	0.500	20.00	0	58.6	51.5	109				
Dibromochloromethane	23.1	0.500	20.00	0	116	66.2	138				
1,2-Dibromoethane (EDB)	20.8	0.200	20.00	0	104	68.9	124				
Chlorobenzene	20.1	0.500	20.00	0	101	68.9	128				
1,1,1,2-Tetrachloroethane	21.8	0.500	20.00	0	109	67.3	135				
Ethylbenzene	21.5	0.500	20.00	0.6600	104	67.3	135				
m,p-Xylene	45.0	0.500	40.00	3.310	104	63.3	135				
o-Xylene	23.1	0.500	20.00	1.180	109	67.8	131				
Styrene	19.5	0.500	20.00	0	97.6	67.2	123				
Isopropylbenzene	21.2	1.00	20.00	0	106	56	147				
Bromoform	19.2	0.500	20.00	0	95.8	61.4	136				
1,1,2,2-Tetrachloroethane	22.2	0.500	20.00	0	111	59.1	137				
n-Propylbenzene	20.8	0.500	20.00	0	104	57.6	142				
Bromobenzene	22.2	0.500	20.00	0	111	63.6	130				
1,3,5-Trimethylbenzene	21.4	0.500	20.00	0	107	59.9	136				
2-Chlorotoluene	20.5	0.500	20.00	0	102	63.4	134				
4-Chlorotoluene	21.2	0.500	20.00	0	106	58.4	134				
tert-Butylbenzene	25.3	0.500	20.00	0	127	74.2	141				
1,2,3-Trichloropropane	21.5	0.500	20.00	0	108	62.4	129				
1,2,4-Trichlorobenzene	19.6	1.00	20.00	0	98.0	53.7	120				
sec-Butylbenzene	20.6	0.500	20.00	0	103	56	146				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1210245-006AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **10/29/2012**	RunNo: **6369**
Client ID: **BATCH**	Batch ID: **R6369**		Analysis Date: **10/29/2012**	SeqNo: **126381**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	21.0	0.500	20.00	0	105	62.4	134				
1,3-Dichlorobenzene	19.8	0.500	20.00	0	99.2	58.2	128				
1,4-Dichlorobenzene	20.3	0.500	20.00	0	102	60.1	123				
n-Butylbenzene	21.1	0.500	20.00	0	105	54.6	135				
1,2-Dichlorobenzene	20.2	0.500	20.00	0	101	62.6	124				
1,2-Dibromo-3-chloropropane	25.1	0.500	20.00	0	125	51.8	142				
1,2,4-Trimethylbenzene	22.4	0.500	20.00	1.080	107	63.7	132				
Hexachlorobutadiene	24.1	2.00	20.00	0	121	62.1	121				
Naphthalene	23.4	2.00	20.00	0	117	58.7	119				
1,2,3-Trichlorobenzene	20.1	2.00	20.00	0	101	50.7	113				
Surr: 1-Bromo-4-fluorobenzene	10.6		10.00		106	79.2	120				
Surr: Dibromofluoromethane	10.5		10.00		105	76	114				
Surr: Toluene-d8	9.96		10.00		99.6	86.8	119				

Sample ID: **ICV-R6369**	SampType: **ICV**	Units: **µg/L**	Prep Date: **10/29/2012**	RunNo: **6369**
Client ID: **ICV**	Batch ID: **R6369**		Analysis Date: **10/29/2012**	SeqNo: **126384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	25.2	1.00	20.00	0	126	70	130				
Surr: 1-Bromo-4-fluorobenzene	10.2		10.00		102	79.2	120				
Surr: Dibromofluoromethane	8.47		10.00		84.7	76	114				
Surr: Toluene-d8	8.83		10.00		88.3	86.8	119				

Sample ID: **LCS-R6369**	SampType: **LCS**	Units: **µg/L**	Prep Date: **10/29/2012**	RunNo: **6369**
Client ID: **LCSW**	Batch ID: **R6369**		Analysis Date: **10/29/2012**	SeqNo: **126385**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	40.4	1.00	20.00	0	202	45.1	121				S

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R6369** SampType: **LCS** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **LCSW** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126385**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	25.5	0.500	20.00	0	127	42.5	131				
Vinyl chloride	24.2	0.200	20.00	0	121	56.2	130				
Bromomethane	21.3	0.500	20.00	0	106	45.4	138				
Trichlorofluoromethane (CFC-11)	20.0	0.500	20.00	0	100	64.7	129				
Chloroethane	20.4	0.500	20.00	0	102	62.5	123				
1,1-Dichloroethene	18.6	0.500	20.00	0	93.2	60.7	146				
Methylene chloride	17.2	0.500	20.00	0	85.9	60.3	135				
trans-1,2-Dichloroethene	17.3	0.500	20.00	0	86.6	71.3	129				
1,1-Dichloroethane	17.1	0.500	20.00	0	85.6	71.3	129				
2,2-Dichloropropane	16.3	1.00	20.00	0	81.4	37.8	132				
cis-1,2-Dichloroethene	16.7	0.500	20.00	0	83.4	67.5	127				
Chloroform	16.4	1.00	20.00	0	81.8	70.3	123				
1,1,1-Trichloroethane (TCA)	17.2	0.500	20.00	0	86.2	67.9	134				
1,1-Dichloropropene	17.2	0.500	20.00	0	86.1	72.1	133				
Carbon tetrachloride	17.1	1.00	20.00	0	85.6	68	136				
1,2-Dichloroethane (EDC)	16.8	0.500	20.00	0	84.0	65.8	126				
Benzene	16.7	0.500	20.00	0	83.6	75.2	124				
Trichloroethene (TCE)	17.2	0.500	20.00	0	86.2	71.9	130				
1,2-Dichloropropane	16.4	0.500	20.00	0	81.8	71.9	131				
Bromodichloromethane	16.4	0.500	20.00	0	81.8	70	130				
Dibromomethane	16.6	0.500	20.00	0	83.1	74.2	125				
cis-1,3-Dichloropropene	16.2	0.500	20.00	0	81.0	62.8	135				
Toluene	16.7	0.500	20.00	0	83.4	75.2	129				
trans-1,3-Dichloropropene	16.0	0.500	20.00	0	80.2	58.1	138				
1,1,2-Trichloroethane	16.3	0.500	20.00	0	81.4	65.4	128				
1,3-Dichloropropane	16.2	0.500	20.00	0	81.2	71.9	131				
Tetrachloroethene (PCE)	18.0	0.500	20.00	0	89.9	52.4	140				
Dibromochloromethane	17.0	0.500	20.00	0	85.0	68.7	139				
1,2-Dibromoethane (EDB)	16.4	0.200	20.00	0	82.2	71.2	129				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R6369** SampType: **LCS** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **LCSW** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126385**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	20.8	0.500	20.00	0	104	77.2	122				
1,1,1,2-Tetrachloroethane	20.5	0.500	20.00	0	103	76.2	130				
Ethylbenzene	20.9	0.500	20.00	0	105	78	127				
m,p-Xylene	41.4	0.500	40.00	0	104	77.5	130				
o-Xylene	20.7	0.500	20.00	0	104	77.6	126				
Styrene	20.2	0.500	20.00	0	101	66.8	137				
Isopropylbenzene	20.9	1.00	20.00	0	104	75.9	133				
Bromoform	19.8	0.500	20.00	0	98.9	69.9	142				
1,1,2,2-Tetrachloroethane	19.9	0.500	20.00	0	99.4	68	134				
n-Propylbenzene	20.7	0.500	20.00	0	103	77.1	133				
Bromobenzene	20.4	0.500	20.00	0	102	71.1	131				
1,3,5-Trimethylbenzene	20.6	0.500	20.00	0	103	76.2	133				
2-Chlorotoluene	20.8	0.500	20.00	0	104	67.1	137				
4-Chlorotoluene	20.7	0.500	20.00	0	104	70.7	132				
tert-Butylbenzene	20.2	0.500	20.00	0	101	71.3	139				
1,2,3-Trichloropropane	20.3	0.500	20.00	0	102	70.8	132				
1,2,4-Trichlorobenzene	19.2	1.00	20.00	0	96.2	61.4	139				
sec-Butylbenzene	20.3	0.500	20.00	0	101	77.4	136				
4-Isopropyltoluene	20.2	0.500	20.00	0	101	78.1	131				
1,3-Dichlorobenzene	20.4	0.500	20.00	0	102	73.5	125				
1,4-Dichlorobenzene	19.2	0.500	20.00	0	95.9	71.4	125				
n-Butylbenzene	20.5	0.500	20.00	0	103	69.8	138				
1,2-Dichlorobenzene	21.0	0.500	20.00	0	105	74.2	123				
1,2-Dibromo-3-chloropropane	20.9	0.500	20.00	0	104	66.1	138				
1,2,4-Trimethylbenzene	20.7	0.500	20.00	0	104	72.3	133				
Hexachlorobutadiene	21.8	2.00	20.00	0	109	60.9	141				
Naphthalene	20.2	2.00	20.00	0	101	58.2	140				
1,2,3-Trichlorobenzene	19.8	2.00	20.00	0	98.8	61.3	133				
Surr: 1-Bromo-4-fluorobenzene	10.0		10.00		100	79.2	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R6369**	SampType: **LCS**	Units: **µg/L**	Prep Date: **10/29/2012**	RunNo: **6369**
Client ID: **LCSW**	Batch ID: **R6369**		Analysis Date: **10/29/2012**	SeqNo: **126385**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	7.95		10.00		79.5	76	114				
Surr: Toluene-d8	8.76		10.00		87.6	86.8	119				

NOTES:
S - Outlying spike recovery observed for Dichlorodifluoromethane. The ICV - 2nd source was within range.

Sample ID: **MB-R6369**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **10/29/2012**	RunNo: **6369**
Client ID: **MBLKW**	Batch ID: **R6369**		Analysis Date: **10/29/2012**	SeqNo: **126386**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	0.500									
Vinyl chloride	ND	0.200									
Bromomethane	ND	0.500									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	0.500									
1,1-Dichloroethene	ND	0.500									
Methylene chloride	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
1,1-Dichloroethane	ND	0.500									
2,2-Dichloropropane	ND	1.00									
cis-1,2-Dichloroethene	ND	0.500									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	0.500									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	0.500									
Benzene	ND	0.500									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R6369** SampType: **MBLK** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **MBLKW** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126386**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.500									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.200									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	0.500									
o-Xylene	ND	0.500									
Styrene	ND	0.500									
Isopropylbenzene	ND	1.00									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
n-Propylbenzene	ND	0.500									
Bromobenzene	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
tert-Butylbenzene	ND	0.500									
1,2,3-Trichloropropane	ND	0.500									
1,2,4-Trichlorobenzene	ND	1.00									
sec-Butylbenzene	ND	0.500									
4-Isopropyltoluene	ND	0.500									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1210212
CLIENT: Kane Environmental, Inc.
Project: Phillips Manor Phase II

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R6369** SampType: **MBLK** Units: **µg/L** Prep Date: **10/29/2012** RunNo: **6369**
Client ID: **MBLKW** Batch ID: **R6369** Analysis Date: **10/29/2012** SeqNo: **126386**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
n-Butylbenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
Hexachlorobutadiene	ND	2.00									
Naphthalene	ND	2.00									
1,2,3-Trichlorobenzene	ND	2.00									
Surr: 1-Bromo-4-fluorobenzene	10.2		10.00		102	79.2	120				
Surr: Dibromofluoromethane	10.0		10.00		100	76	114				
Surr: Toluene-d8	9.99		10.00		99.9	86.8	119				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Sample Log-In Check List

Client Name: **KANE**	Work Order Number: **1210212**
Logged by: **Troy Zehr**	Date Received: **10/24/2012 9:30:00 AM**

Chain of Custody

1.	Were custodial seals present?	Yes	☐	No	☐	Not Required	☑
2.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present	☐
3.	How was the sample delivered?	Client					

Log In

4.	Coolers are present?	Yes	☑	No	☐	NA	☐
5.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
6.	Were all coolers received at a temperature of >0° C to 10.0°C	Yes	☑	No	☐	NA	☐
7.	Sample(s) in proper container(s)?	Yes	☑	No	☐		
8.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐		
9.	Are samples properly preserved?	Yes	☑	No	☐		
10.	Was preservative added to bottles?	Yes	☐	No	☑	NA	☐
11.	Is there headspace present in VOA vials?	Yes	☐	No	☑	NA	☐
12.	Did all sample containers arrive in good condition?(unbroken)	Yes	☑	No	☐		
13.	Does paperwork match bottle labels?	Yes	☑	No	☐		
14.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐		
15.	Is it clear what analyses were requested?	Yes	☑	No	☐		
16.	Were all holding times able to be met?	Yes	☑	No	☐		

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA	☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks/Disrepancies

No MEOH VOA's for KLA-8-W

Item Information

Item #	Temp ºC	Condition
Cooler 1	2.4	Good
Cooler 2	3.1	Good
Temp Blank 1	2.1	Good
Temp Blank 2	2.8	Good

Fremont Analytical

1311 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record

Laboratory Project No (internal): 1210212

Page: 1 of: 2

Date: ~~10/22/12~~ 10/24/12 LM

Client: Kane Environmental

Address: on file

City, State, Zip:

Tel:

Reports To (PM): ~~Luke Mark~~ John Kane

Fax: on file

Email: on file

Project Name: Manor Ph. II

Location: Hewitt Ave, ~~Tacoma~~ Everett

Collected by: LM

Project No: 55702

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)**	Cyanide			Comments/Depth
1 KSB-1:8.5	10/22	0910	soil		X				X						X						Pb
2 KSB-1:10		0915			X				X						X						Pb
3 KSB-1:22		0950																			hold
4 KSB-1:25		1000																			hold
5 KSB-2:10		1045			X				X						X						Pb
6 KSB-2:15		1100																			hold
7 KSB-2:24		1125			X				X						X						Pb
8 KSB-3:3.5		1150																			hold
9 KSB-3:9		1155		X											X			X			Zn, Cr, [illegible] LM 10-24
10 KSB-3:22	↓	1220	↓																		hold

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/24/12 0915	x [signature]	10/24/12 915
x [signature]	10/24/12 0930	x [signature]	10/24/12 9:30

TAT --> Next Day 2 Day 3 Day (STD)

Distribution: White - Lab, Yellow - File, Pink - Originator

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Fremont Analytical

Chain of Custody Record

1311 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: ~~10/22/12~~ 10/24/12 cm

Laboratory Project No (internal): _____

Page: 2 of: 2

Client: Kane Env.
Address: On file
City, State, Zip: Tel:

Project Name: Manor Ph. II
Location: Hewitt Ave, Everett
Collected by: cm

Reports To (PM): John Kane Fax: Email: on file

Project No: 55702

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021B	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)**	Comments/Depth
1	KSB-4 : 4	10/22	1255	Soil															hold
2	KSB-4A : 10		1316		X														
3	KSB-4A : 25		1340																hold
4	KSB-5 : 10		1410		X														
5	KSB-5 : 28		1445																hold
6																			
7																			
8																			
9									cm										
10																			

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x Luke Mauthe	10/24/12 0915	x	10/24/12 915
x	10/24/12 0930	x	10/24/12 9:30

TAT --> Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

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Fremont Analytical

Chain of Custody Record

1311 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): _____

Date: 10/24/12

Page: 1 of 4

Client: Kane Environmental
Address: 3815 Woodland Park Ave N
City, State, Zip: Sea, Wa 98103 Tel: 206-691-0476

Project Name: Phillips Manor (Hewitt)
Location: Hewitt Ave Everett
Collected by: Eric Nassau

Reports To (PM): Eric Nassau Fax:

Email: enassau@kane-environmental.com

Project No: #55702

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021D	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOC (EPA 8270) - SIM)	PAH (EPA 8270) - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)**	Comments/Depth
1 KLA-1-4	10/24/12	910	Soil															
2 KLA-1-7		920		X			X		X					X				Pb
3 KLA-1-10		925																
4 KLA-1-12		940																
5 KLA-2-4		1000																
6 KLA-2-7		1010		X					X					X				Pb
7 KLA-2-10		1020																
8 KLA-2-12		1035																
9 KLA-2-16		1050																
10																		

10/23/12

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL individual Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/24/12 0930	x [signature]	10/24/12 9:30
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT --> Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

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Fremont Analytical

Chain of Custody Record

1311 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): _____

Date: 10/22/12

Page: 2 of: 4

Client: Kane Environmental
Address: 3815 Woodland Park Ave N
City, State, Zip: Sea Wa 98103 Tel: _____

Project Name: Phillips Manor (Hewitt)
Location: Hewitt Ave Everett
Collected by: Eric Nassau

Reports To (PM): Eric Nassau Fax: Email: enassau@kane Project No: 55702

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SSMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)**	Cyanide	Comments/Depth
1	KLA-3-4	10/22/12	1150	Soil	X											~~X~~					Total Cr only Zn
2	KLA-3-7		1200		X											X			X		Zn Cd Cr
3	KLA-3-10		1210																		
4	KLA-3-12		1220																		
5	KLA-4-4		1325													X					Cr
6	KLA-4-2		1320																		
7	KLA-4-8		1335		X											X			X		Zn Cd Cr
8	KLA-4-10		1355																		
9	KLA-4-12		1405																		
10	KLA-5-4	↓	1430	↓												X					Cr

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca (Cd) Co (Cr) Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V (Zn)

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x Eric Nassau	10/24/12 0930	x Troy Zehn	10/24/12 9:30
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT--> Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

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Chain of Custody Record

1311 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/22 & 10/23/12

Laboratory Project No (internal):
Page: 3 of: 4

Client: Kane Environmental
Address:
City, State, Zip:
Tel:
Reports To (PM): Eric
Fax:
Email:

Project Name: Phillips Manor (Hewitt)
Location: Hewitt Ave Everett
Collected by: EM
Project No: 55702

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021B	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	Cyanide			Comments/Depth
1	KLA-5-7	10/22/12	1445	Soil	X											X			X			Zn Cd Cr
2	KLA-5-10	↓	1500	↓																		
3	KLA-6-4	↓	1530	↓																		
4	KLA-6-7	↓	1545	↓		X				X						X						
5	KLA-6-10	↓	1600	↓		X				X						X						Pb
6	KLA-6-14	↓	1630	↓																		
7	KLA-7-4	10/23/12	915	↓	X											X			X			Zn Cr
8	KLA-7-8	↓	940	↓	X											X			X			Zn Cr
9	KLA-8-4	↓	1015	↓	X											X						Cd Cu Cr
10	KLA-8-6.5	↓	1035	↓	X											X						Cd Cu Cr

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca (Cd) Co Cr (Cu) Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Tl U V (Zn)

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x Eric [signature]	9/24/12 0930	x [signature]	10/24/12 9:30
x		x	

TAT--> Next Day 2 Day 3 Day STD

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Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): _____

Date: _____ Page: 4 of: 4

Client: Kane Environmental
Address: _____
City, State, Zip _____ Tel: _____
Reports To (PM): Eric Fax: Email:

Project Name: Phillips Manor (Hewitt)
Location: Hewitt Ave Everett
Collected by: EK
Project No: 55702

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCB's (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	Cyanide	Comments/Depth
1	KLA-8-W	10/23/12	1030																	
2	KLA-8-H_2O		1200	H_2O	X										X			X		Zn Cd Cu Cr
3	KLA-9-4		1130	Soil	X										X					Cd Cu Cr
4	KLA-9-8		1145																	
5	KLA-9-12		1155																	
6	KLA-10-4		1235		X										X			X		Zn Cd Cr
7	KLA-10-8		1255		X															hold
8	KLA-10-12		1310																	
9																				
10																				

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	9/24/12 0930	x [signature]	10/24/12 9:30
x		x	

TAT --> Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

From: Eric Nassau
To: "Michael C. Ridgeway";
Subject: RE: Invoice for Phillips Manor (Work Order: 1210212)
Date: Tuesday, November 13, 2012 8:48:22 AM

Hi Mike,

Thanks for your help with these results. You guys are a step above (running BETX by 8260).

Please add TCE results for the following analyses to the final report:

KSB-1:8.5
KSB-1:10
KSB-2:10
KSB-2-24
KLA-6-7
KLA-6-10

Bill client directly please:

Mr. Kevin Hanchett
Resource Transitions Consultants, LLC
144 Railroad Avenue, Suite 310
Edmonds, Washington 98020

In addition to Phillips Manor, Please refer to:

2415 and 2421 Hewitt Avenue, Everett, Washington

Cheers,

Eric

From: Michael C. Ridgeway [mailto:mridgeway@fremontanalytical.com]
Sent: Thursday, October 25, 2012 10:35 AM
To: enassau@kane-environmental.com; jkane@kane-environmental.com; 'Accounting'
Subject: Invoice for Phillips Manor (Work Order: 1210212)

Eric:

Attached is the invoice you requested.

Thank you,

MR

Mike Ridgeway

Fremont Analytical, Inc.
1311 N. 35th Street
Seattle, WA 98103

Tel: 206.352.3790
Fax: 206.352.7178
mridgeway@fremontanalytical.com

Fremont Analytical

Chain of Custody Record

1311 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/22/12

Laboratory Project No (internal): _____

Page: 2 of: 4

Client: Kane Environmental
Address: 3815 Woodland Park Ave N
City, State, Zip: Sea Wa 98103
Tel: _____

Project Name: Phillips Manor (Hewitt)
Location: Hewitt Ave Everett
Collected by: Eric Nassau

Reports To (PM): Eric Nassau
Fax: _____
Email: _____
Project No: 55702

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GW/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOC (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 615/8151)	Total (T) / Dissolved (D) Metals* (6020 / 200.8)	Anions (IC)**	Cyanide	Comments/Depth
1 KLA-3-4	10/22/12	1130	Soil	X									X	X		X		Hold. Cr only, Em 2nd Cd, Cr
2 KLA-3-7		1200		X									X	X		X		2nd Cr
3 KLA-3-10		1210																
4 KLA-3-12		1220																
5 KLA-4-4		1325											X	X		X		Cr, Zn, Cd
6 KLA-4-2		1320											X	X		X		Zn Cd Cr
7 KLA-4-8		1335		X									X	X		X		Zn Cd Cr
8 KLA-4-10		1355																
9 KLA-4-12		1405																
10 KLA-5-4	J	1430	J										X	X		X		Cr Zn, Cd

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished	Date/Time	Received	Date/Time
x E. Nassau	10/22/12 1730	x [illegible]	10/23/12 9:30
Relinquished	Date/Time	Received	Date/Time
x		x	

Special Remarks:

TAT: Next Day 2 Day 3 Day STD

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Fax: 206-352-7178

Date: 10/22 E 10/23/12

Laboratory Project No (internal): _____

Page: 3 of: 4

Client: Kane Environmental

Address: _____

City, State, Zip _____ Tel: _____

Project Name: Phillips Manor (Hewitt)

Location: Hewitt Ave Everett

Collected by: EM

Reports To (PM): Eric Fax: Email:

Project No: 55702

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	Chloride		Comments/Depth
1	KLA-5-7	10/22/12	1445	Soil	X									X				X			Zn Cd Cr
2	KLA-5-10		1500																		
3	KLA-6-4		1530																		
4	KLA-6-7		1545			X				X				X							
5	KLA-6-10		1600			X				X				X							Pb
6	KLA-6-14		1620																		
7	KLA-7-4	10/23/12	915		X									(X)				X			Zn Cr Cd
8	KLA-7-8		940		X									(X)				X			Zn Cr Cd
9	KLA-8-4		1015		X									X							Cd Cu Cr
10	KLA-8-6.5		1035		X									X							Cd Cu Cr

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca (Cd) Co Cr (Cu) Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Si Sn Ti Tl U V (Zn)

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/24/12 0930	x [signature]	10/24/12 9:30
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT > Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

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Chain of Custody Record

1911 N. 35th Street
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): _____
Date: _____
Page: 2 of 4

Client: Kane Environmental
Address: _____
City, State, Zip _____ Tel: _____
Reports To (PM): Eric Fax: Email:

Project Name: Phillips Manor (Hewitt)
Location: Hewitt Ave Everett
Collected by: Eric
Project No: 55702

Sample Name	Sample Date	Sample Time	Sample Type (Matrix	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SOM VOC (EPA 8270 - SIM)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Lead (Pb) Dissolved (D)	Anions (IC)**	Cyanide			Comments/Depth
1 KLA-8-W	9/24/12	1230																			
2 KLA-8-H2O		1100	H2O	X										X			X				Zn Cd Cu Cr
3 KLA-9-4		1130	Soil	X										X			(X)				Cd Cu Cr
4 KLA-9-8		1145																			
5 KLA-9-12		1155																			
6 KLA-10-4		1235		X										X			X				Zn Cd Cr
7 KLA-10-8		1235		X																	Hold
8 KLA-10-12	↓	1310	↓																		
9																					
10																					

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	9/24/12 0910	x [signature]	10/24/12 4:30
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT -> Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

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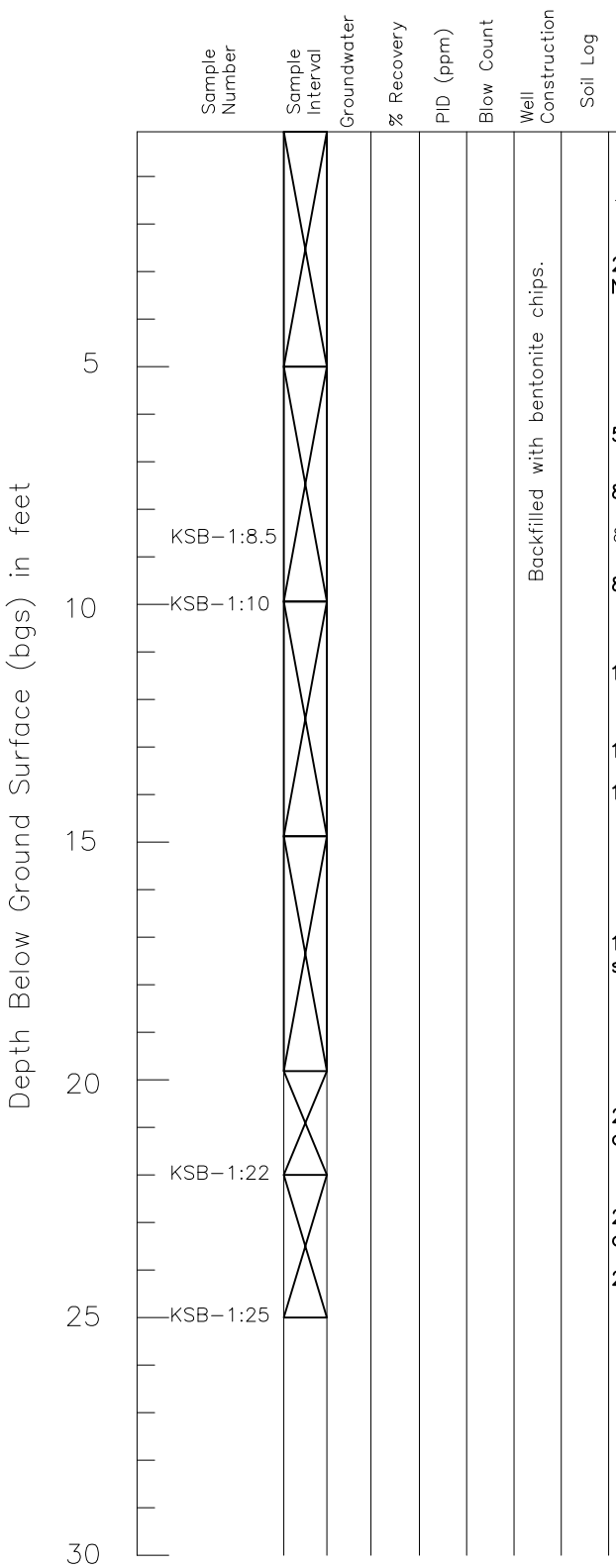
ATTACHMENT B
SOIL BORING LOGS



0'–4"': Concrete.

4"–1': Poor sand, light brown w/ med brown mottles. No odor.

1'–2': Yellow brn + strong brn, clay w/ silt + sand, wet, No odors.

2'–5': Strong brn + lt gray w/ light yellow brn mottles clay, moist. No odors.

5'–8': Same w/ grading to yellow brn w/ gray mottles.

8'–8.5': Gray fine sand, moist. Petro odor.

8.5'–8.75'': yellow brown poor sand w/ clay, moist, slight odor

8.75'–10': Lt brn poor sand w/ trace clay, moist slight to no odor.

10'–13': Same w/ few gravel.

13'–13.5': Lt yellow brn, poor sand w/ gravel, moist, no odor.

13.5'–15': As 10–13 w/ common fine gravel.

15'–20': Same w/ decreasing gravels + fine lenses of silt + corse sand, moist.

20'–22': Lt brn lenses of med fine and very fine sand, moist, no odor.

22'–24': Poor lt gray brn sand w/ gravels + cobbles, moist, no odors.

24'–25': Lt brn poor sand w/ fine gravels,moist, no odors.

Termination at 25' (refusal).

Logged by: Luke Martinkosky
Driller: ESN, NW
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: NA
Annular Pack: NA
Slot Size: NA

Hammer Size: NA
Date Drilled: 10/22/2012
Hole Diameter: 2 inch
Hole Depth: 25 feet
Well Diameter: NA
Well Depth: NA
Screened Interval: NA

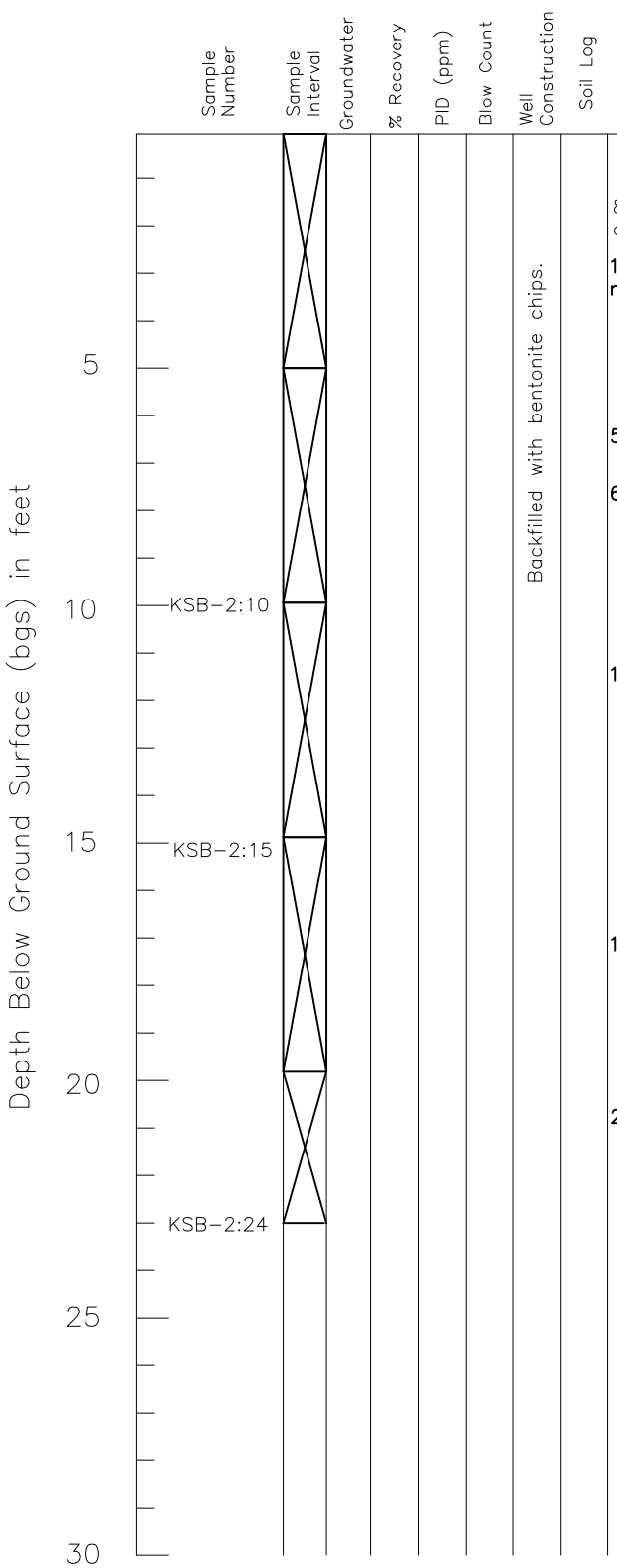
Depth to Water (First Encountered): NA
Depth to Water (Static): NA

Soils classified visually using the Unified Soils Classification System

KANE ENVIRONMENTAL INC
3815 Woodland Park Avenue North, Suite 102
Seattle, WA - 206-691-0476
www.kane-environmental.com

Phase II
Environmental Site Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Soil Boring Log



0'–2"': Asphalt.

2"–8": Very coarse sand, very moist, no odor.

8"–1.5': dk brn w/ red + gray mottles, silty sand w/ clay + organics, very moist, no odor.

1.5'–5': Yellow brn w/ strong brn + gray mottles, fat clay, moist, no odors.

5'–6': Clay as above.

6'–10': Lt brn sand w/ true silt + gravels moist, no odor.

10'–15': Same as 6–10.

15'–20': Same w/ decreasing silt and increasing cobbles.

20'–24': Same.

Termination at 24' (refusal).

Logged by: Luke Martinkosky
Driller: ESN, NW
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: NA
Annular Pack: NA
Slot Size: NA

Hammer Size: NA
Date Drilled: 10/22/2012
Hole Diameter: 2 inch
Hole Depth: 24 feet
Well Diameter: NA
Well Depth: NA
Screened Interval: NA

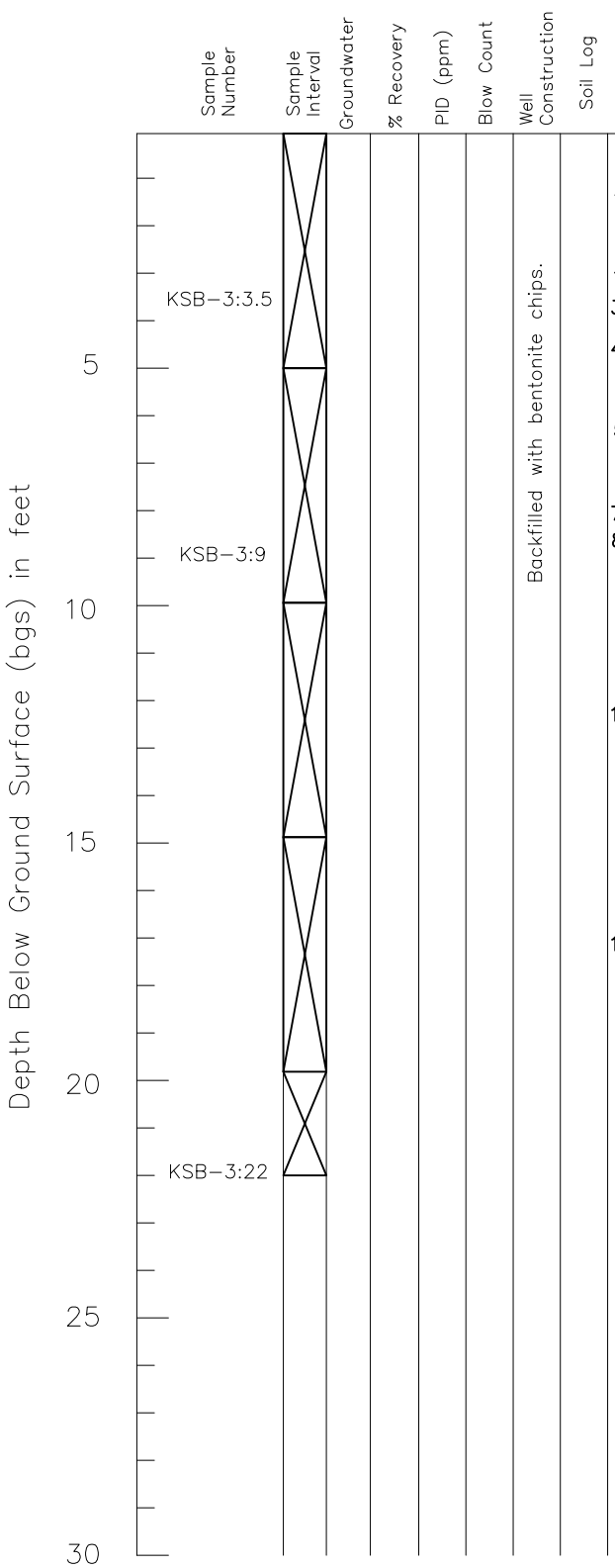
Depth to Water (First Encountered): NA
Depth to Water (Static): NA

Soils classified visually using the Unified Soils Classification System

KANE ENVIRONMENTAL INC
3815 Woodland Park Avenue North, Suite 102
Seattle, WA - 206-691-0476
www.kane-environmental.com

Phase II
Environmental Site Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Soil Boring Log



0'–2"': Asphalt.

2"–8": Lt brn coarse sand, very moist, no odor.
8"–3': Yellow brn w/ lt brn + strong brn mottles poor sand w/ trace silt.

3'–3.1': black asphalt

3.1'–4': Med dark brn clayey sand very moist, no odors.

4'–5': Clay as KSB–2.

5'–7.5': Clay as above.

7.5'–8.5': Lt brn poor sand w/ silt and gravels, no odor.

8.5'–9': Lt brn fine sand, moist, no odor.

9'–10': Lt brn poor sand w/ silt and gravels, no odor.

10'–15': Same as 9–10.

15'–19.5': Same w/ increasing gravels.

19.5'–20': Lt brn fine sand moist, no odor.

20'–21': Lt brn very fine sand moist, no odor.

21'–22': Lt brn poor sand w/ gravels, moist, no odor.
Termination at 22' (refusal).

Logged by: Luke Martinkosky
Driller: ESN, NW
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: NA
Annular Pack: NA
Slot Size: NA

Hammer Size: NA
Date Drilled: 10/22/2012
Hole Diameter: 2 inch
Hole Depth: 22 feet
Well Diameter: NA
Well Depth: NA
Screened Interval: NA

Depth to Water (First Encountered): NA
Depth to Water (Static): NA

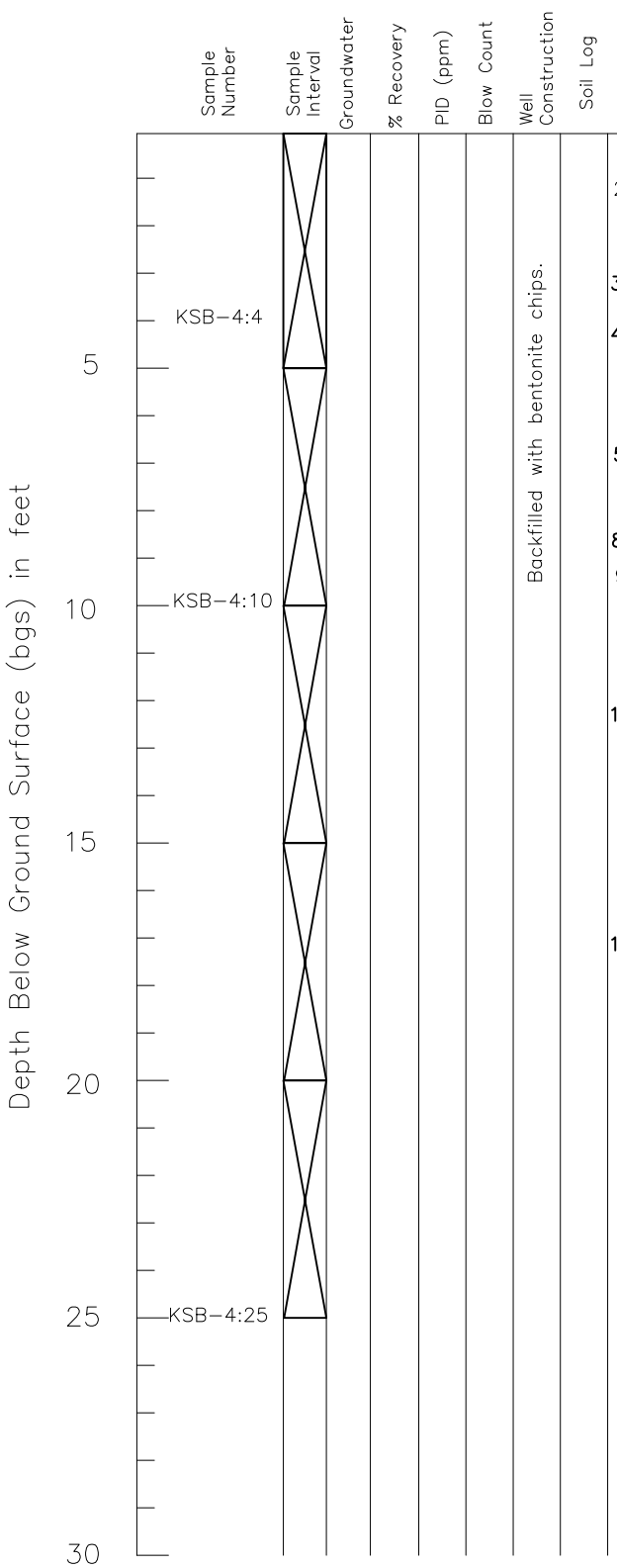
Soils classified visually using the Unified Soils Classification System

KANE ENVIRONMENTAL INC
3815 Woodland Park Avenue North, Suite 102
Seattle, WA - 206-691-0476
www.kane-environmental.com

Phase II
Environmental Site Assessment
2415 and 2421 Hewitt Avenue
Everett, Washington

Soil Boring Log

Boring KSB–4
Page 1 of 1



0'–2"': Asphalt.

2"–1.5': Poor lt gray sand w/ gravels + cobbles.
1.5"–3': Red brn + gray silty sand w/ clay, moist, no odors

3'–4': Med brn silty sand, moist, no odors.

4'–5': Clay as others.

5'–8.5': Clay as above.

8.5'–9': Lt brn sand w/lt yellow brn mottles, moist, no odors.

9'–10': Lt brn sand w/ gravels silt + trace clay, moist, no odor.

10'–15': As above w/ cobbles.

15'–20': Same.

20'–25': Same w/ increasing cobbles, no odor.

Termination at 25' (refusal).

Logged by: Luke Martinkosky	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 25 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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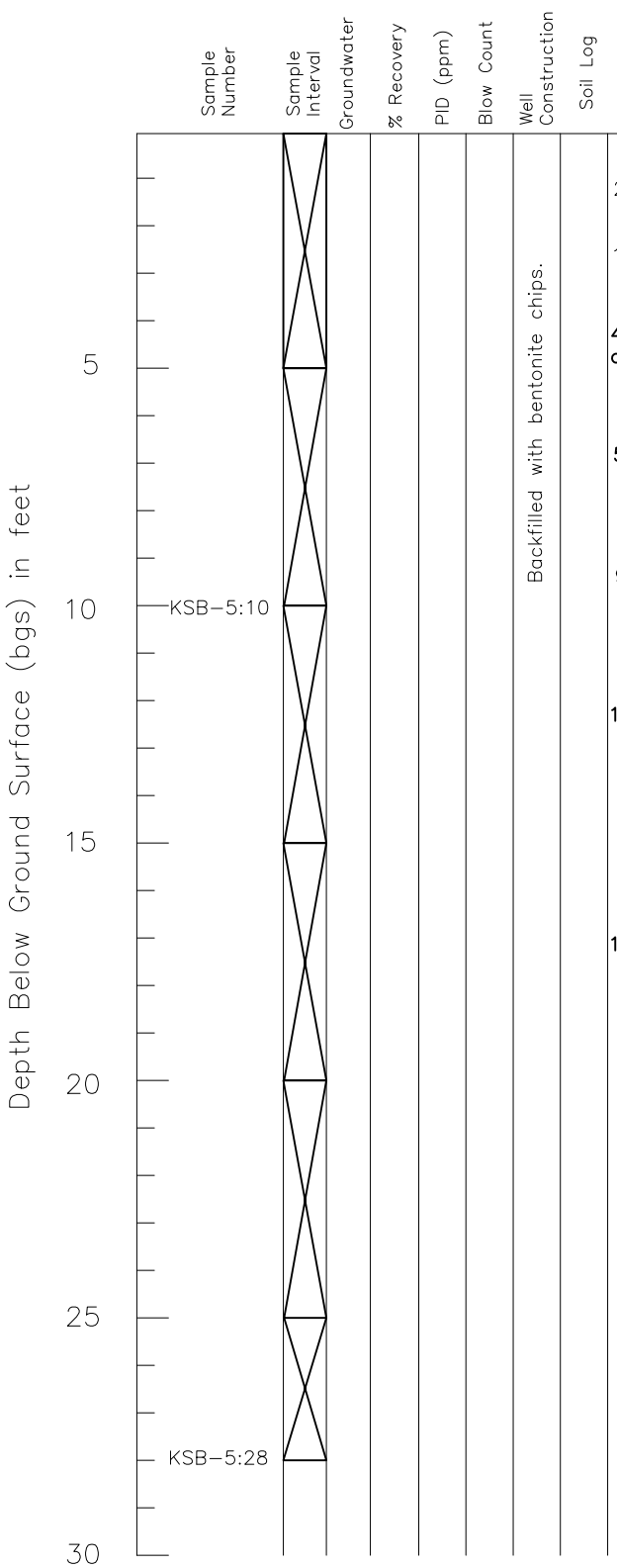
Soil Boring Log



Soil Description

0'–2"': Asphalt.

2"–1.5': Lt brn poor coarse sandy gravel, moist, no odor.

1.5"–4': Gray black sandy clay w/ gravel, moist, no odors

4'–5': Lt + dk brn w/ pale brn mottles, sandy silt, moist, no odors.

5'–9': Clay as above.

9'–10': Lt brn sand w/ silt + gravel, moist, no odor.

10'–15': As above, no odor.

15'–20': Same w/ increasing cobbles.

20'–21': Same

21'–22.5': Lt brn med coarse sand, moist, no odor.

22.5'–25': As 20–21 w/ many cobbles, no odor.

25'–28': Same w/ areas of fine sand and silt, no odor.

Termination at 28' (refusal).

Logged by: Luke Martinkosky
Driller: ESN, NW
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: NA
Annular Pack: NA
Slot Size: NA

Hammer Size: NA
Date Drilled: 10/22/2012
Hole Diameter: 2 inch
Hole Depth: 28 feet
Well Diameter: NA
Well Depth: NA
Screened Interval: NA

Depth to Water (First Encountered): NA
Depth to Water (Static): NA

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Soil Boring Log

Boring KLA–1
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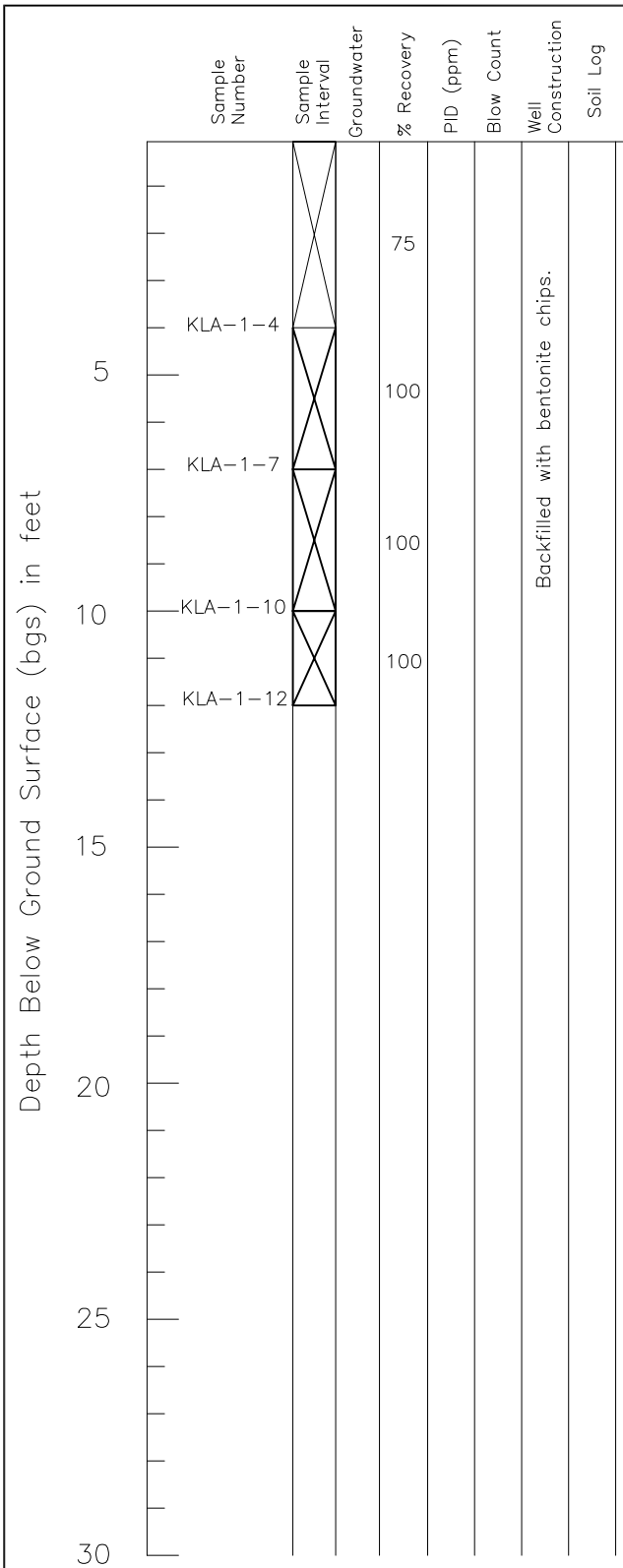

0'–0.5': Concrete.
0.5'–1': No recovery.

1'–2': Loose brown sandy silt. No odors.

2'–4': Dense brown sandy silt. No odors.

4'–6.5': Dense brown sandy silt. No odors.

6.5'–7': Light grey sandy silt. Fuel odor.

7'–9.5': Gravelly sand. No odor

9.5'–10': Brown silty sand. No odor.

10'–12': Greyish silty sand. No odor.

Termination at 12' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 12 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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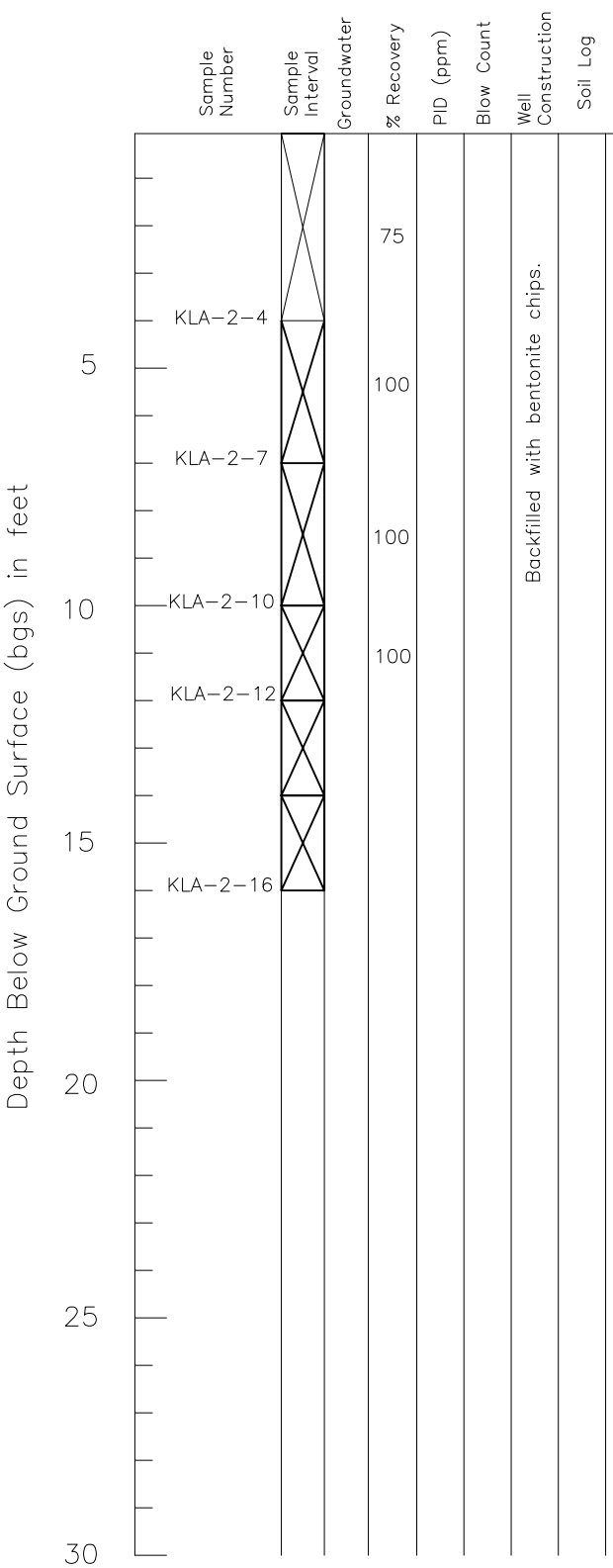

0'–0.5': Concrete.
0.5'–1': No recovery.

1'–2': Loose brown sandy silt. No odors.

2'–4': Dense brown sandy silt. No odors.

4'–7': Dense brown sandy silt with gravel. No odors.

7'–10': Brown silt with grey sandy lenses. No odor

10'–10.5': Brown silt with grey sandy lenses. No odor

10.5'–16': Sandy gravelly till. No odor.

Termination at 16' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 16 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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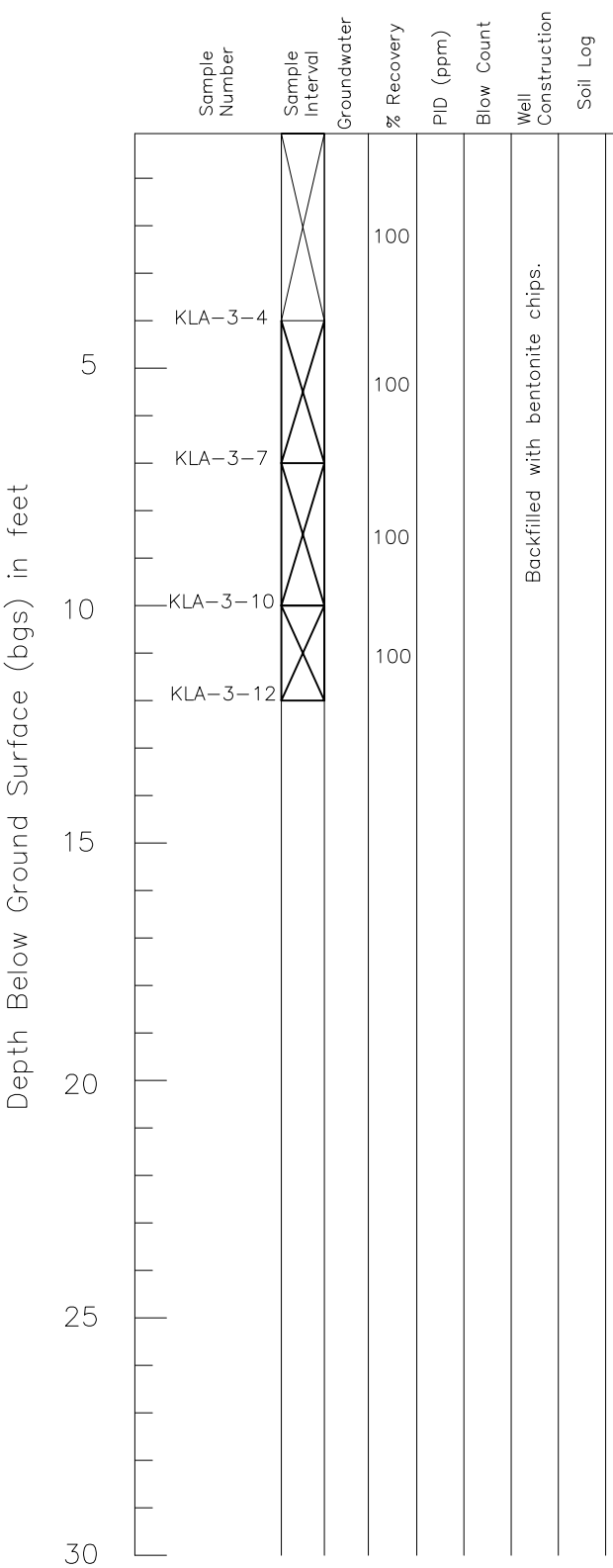

0'–0.5': Concrete.
0.5'–1.5': Loose brown sandy silt. Damp. No odors.

1.5'–4': Dense grey/brown sandy silt. No odors.

4'–8': Dense brown sandy silt with gravel. No odors.

8'–12': Dense gravelly sandy till. No odor

Termination at 12' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 12 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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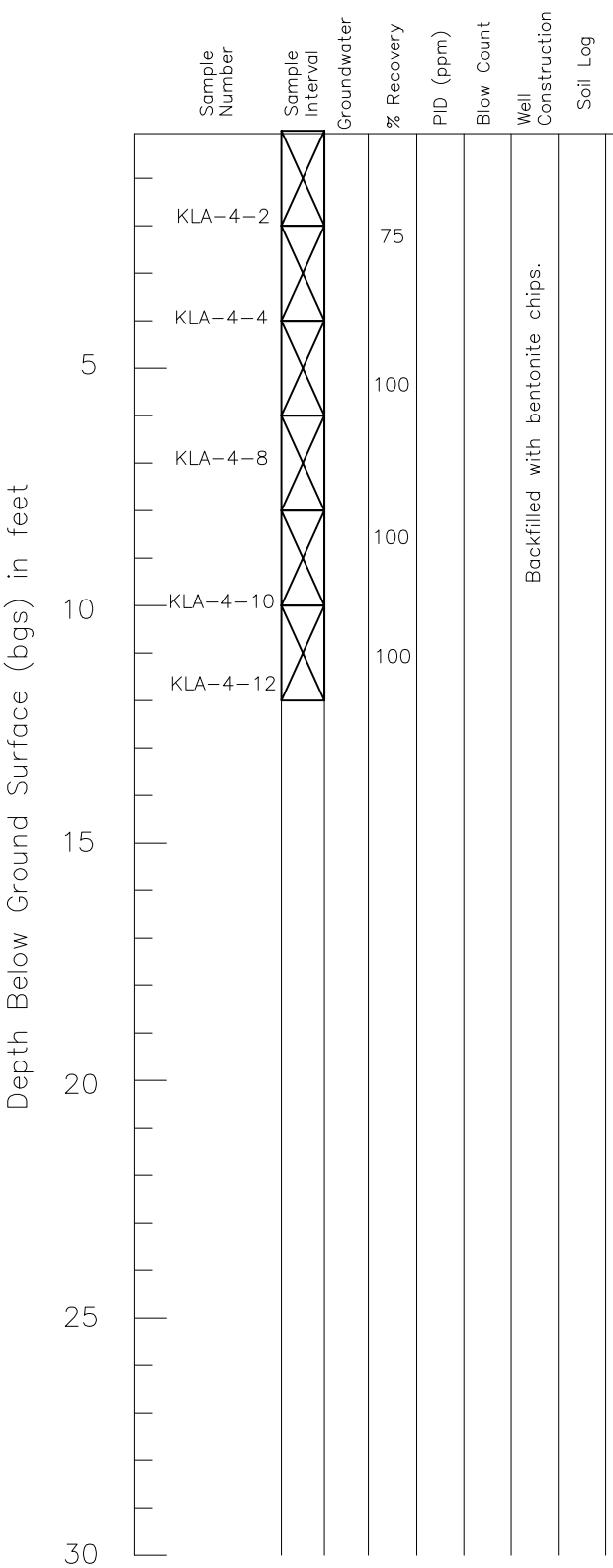

0'–0.5': Concrete.

0.5'–1': Loose brown sandy silt. Damp. No odors.

1'–2': Grey sandy silt. No odors.

2'–10': Dense grey/brown sandy silt. No odors.

10'–12': Dense gravelly sandy till. No odor

Termination at 12' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Split Spoon	Hole Depth: 12 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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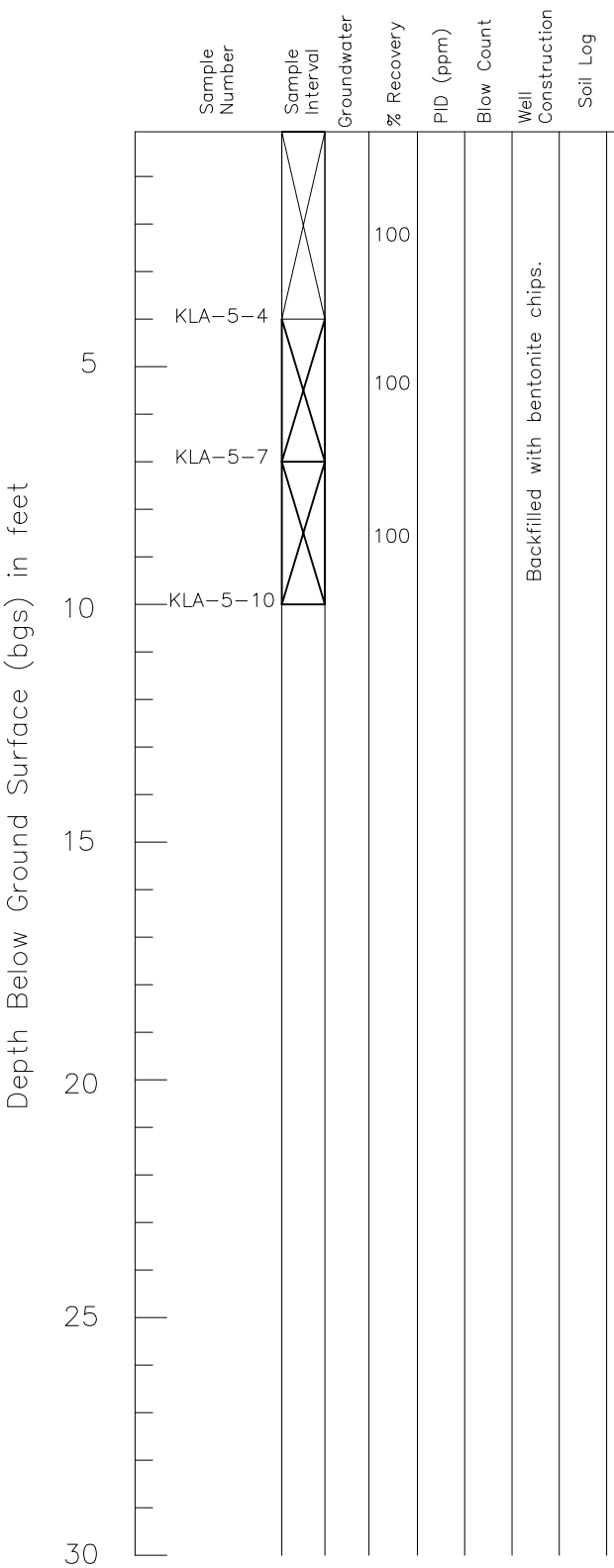

0'–0.5': Concrete.
0.5'–1.5': Loose brown sandy silt. Damp. No odors.

1.5'–8.5': Dense grey/brown sandy silt. No odors.

8.5'–9': Silty sand. No odor
9'–10': Dense gravelly sandy till. No odor
Termination at 10' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 10 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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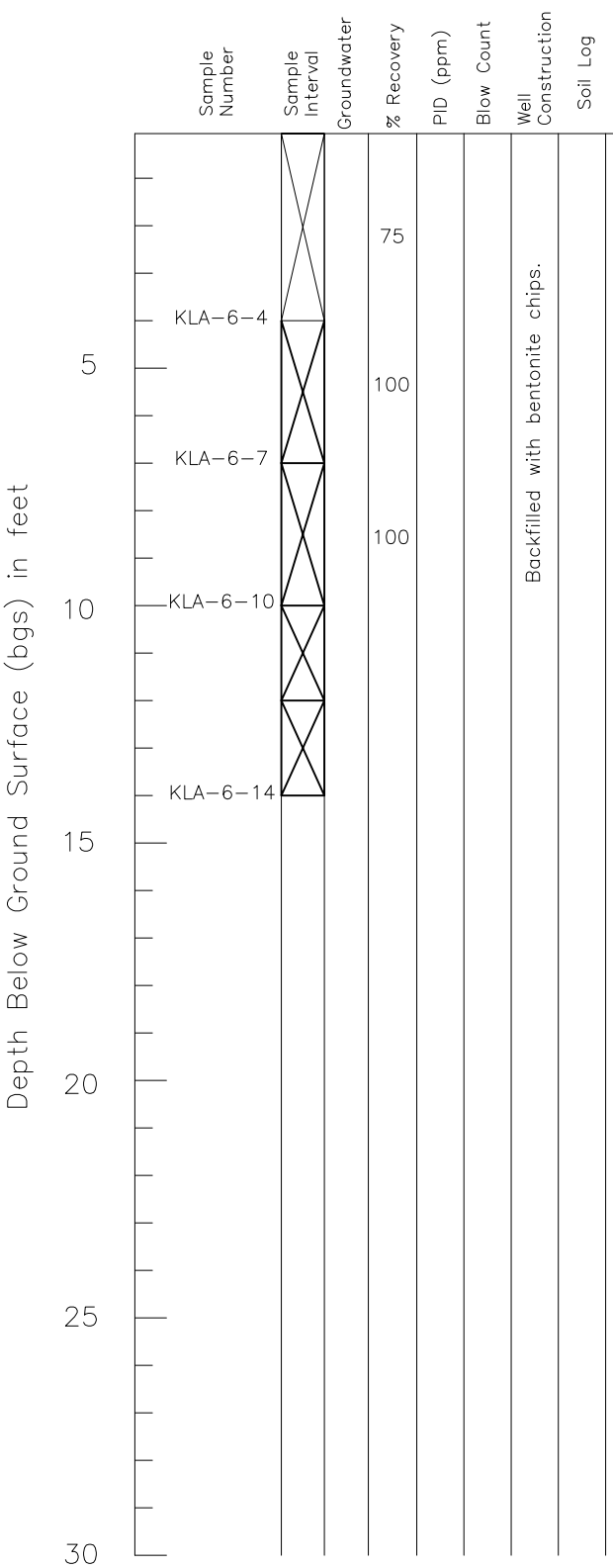

0'–0.5': Concrete.

0.5'–1': No Recovery.

1'–2': Loose dark brown sandy silt. Damp. No odors.

2'–6.5': Dense grey/brown sandy silt. No odors.

6.5'–14': Dense gravelly sandy till. No odor

Termination at 14' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/22/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 14 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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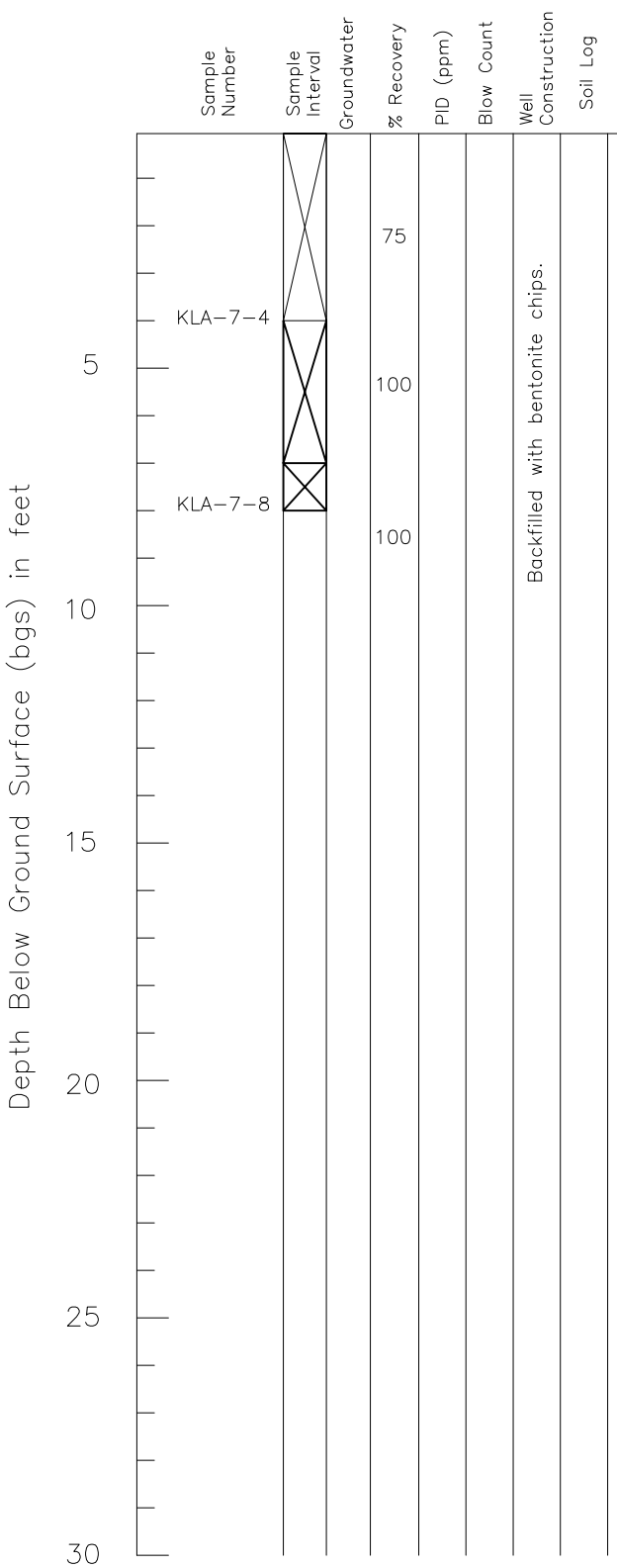

0'–0.5': Concrete.
0.5'–1': No Recovery.
1'–2': Loose dark brown sandy silt. Damp. No odors.

2'–7': Dense grey/brown sandy silt. No odors.

7'–8': Dense gravelly sandy till. No odor

Termination at 8' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/23/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 14 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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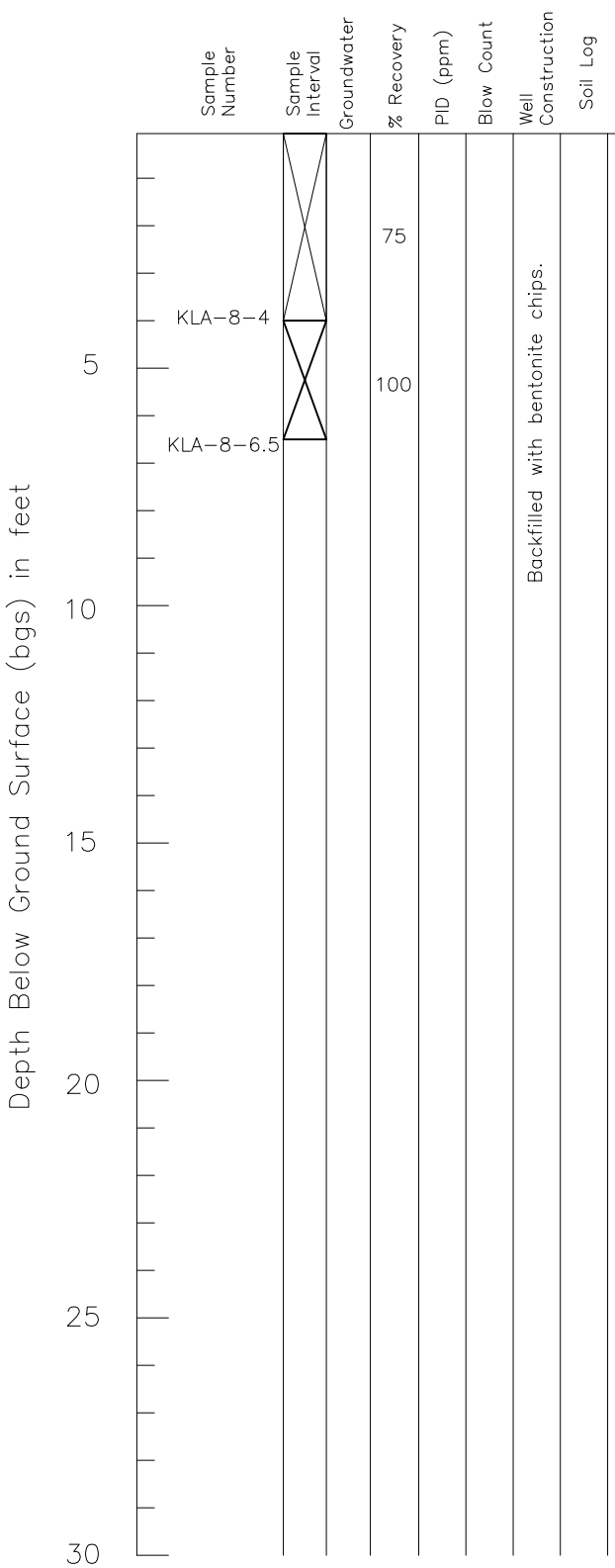

0'–0.5': Concrete.

0.5'–1': No Recovery.

1'–2': Loose dark brown sandy silt. Damp. No odors.

2'–6.5': Dense grey/brown sandy silt. No odors.

Termination at 6.5'

A light spray of water was encountered while boring the second interval, indicating the borehole had filled with water between removal of the first core and advancement of the second core. All soils examined were dry except for the slightly damp dark silts under the concrete slab.
Further examination of the borehole showed water entering at 2' bgs at a slow to moderate rate. After equilibration, the water never rose above the 2' bgs level.
This was not in an area of current underground water or sewer utility plumbing.
Water was sampled for analysis.

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/23/2012	Depth to Water (Static): 2'
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 6.5 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: surface – 5' bgs	

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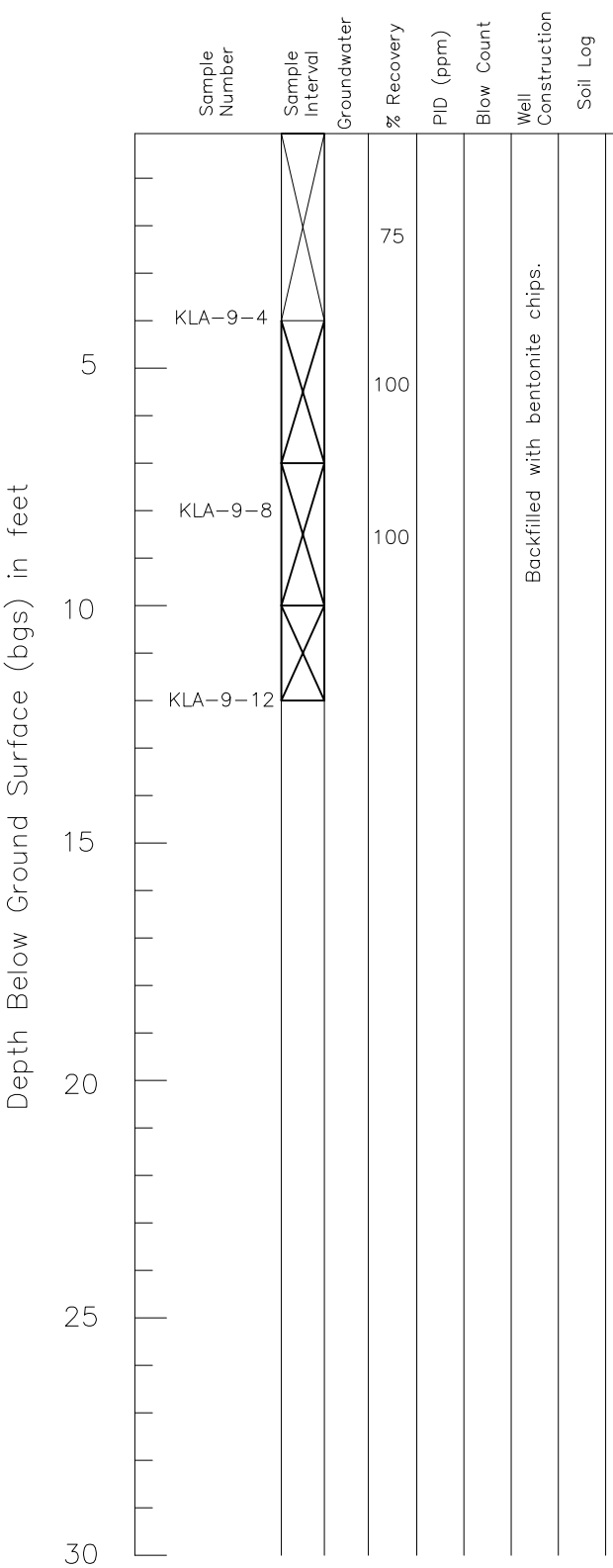

0'–0.5': Concrete.

0.5'–1': No Recovery.

1'–2': Loose dark brown sandy silt. Damp. No odors.

2'–10': Dense grey/brown sandy silt. No odors.

10'–12': Dense gravelly sandy till. No odor

Termination at 12' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/23/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 12 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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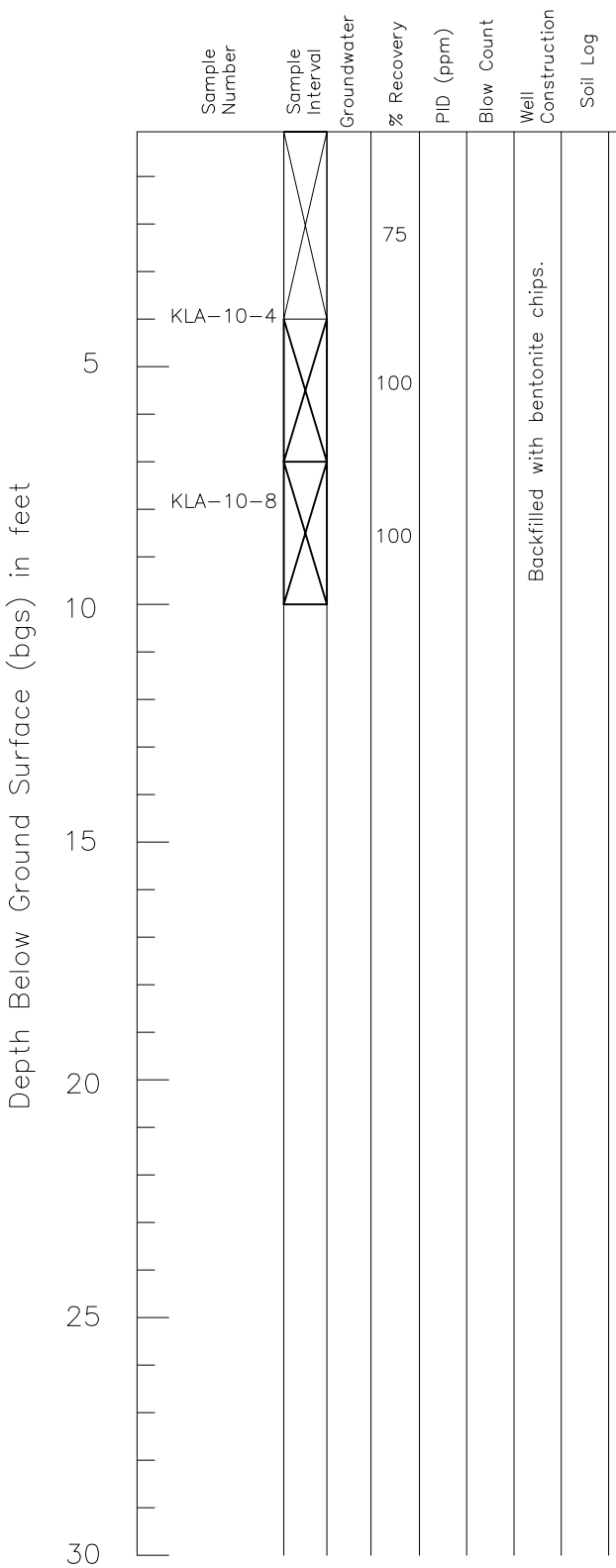

0'–0.5': Concrete.
0.5'–1': No Recovery.
1'–2': Loose dark brown sandy silt. Damp. No odors.

2'–7': Dense grey/brown sandy silt. No odors.

7'–10": Dense gravelly sandy till. No odor

Termination at 10' (refusal).

Logged by: Eric Nassau	Hammer Size: NA	Depth to Water (First Encountered): NA
Driller: ESN, NW	Date Drilled: 10/23/2012	Depth to Water (Static): NA
Drilling Method: Direct Push (LAR)	Hole Diameter: 2 inch	
Sampling Method: Acetate Liner	Hole Depth: 10 feet	
Casing Type: NA	Well Diameter: NA	
Annular Pack: NA	Well Depth: NA	
Slot Size: NA	Screened Interval: NA	

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