Limited Phase II Environmental Site Assessment

1110 Martin Luther King Jr. Way
Seattle, Washington

Prepared For:

Mr. Michael Nelson
MRN Homes, LLC
7556 12th Avenue Northeast
Seattle, Washington 98155

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Project Number: 68903

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Attachment C – Laboratory Analytical Reports

EXECUTIVE SUMMARY

Kane Environmental, Inc. (Kane Environmental) has conducted a Limited Phase II Environmental Site Assessment (ESA), including sampling and chemical analysis of soil and groundwater, at 1110 Martin Luther King Jr. Way, Seattle, Washington (tax parcel 118900-0469) (the Property). This Limited Phase II ESA was undertaken to investigate potential soil and groundwater impacts related to the former gas station and current automotive repair operations on the Property. The Property vicinity is displayed in Figure 1. A Site Plan is displayed in Figure 2. Figure 3 shows a detail of the Site Plan, including buildings, underground storage tanks (USTs), and the locations of the Limited Phase II ESA borings.

A ground penetrating radar (GPR) survey of the Property was completed to clear boring locations and to identify the boundaries of underground storage tanks (USTs) present on the Property. The GPR survey confirmed the presence of four (4) USTs related to the former gas station on the Property. A hydraulic oil UST was located directly east of the northern former hydraulic lift inside the automotive repair workshop. In addition, an apparent UST was discovered in the asphalt paved driveway along the northern Property boundary, directly west of the northern work bay.

Ten (10) direct push (DP) soil borings were completed to a maximum depth of fifteen (15) feet below ground surface (bgs). Boring locations were sited to investigate the USTs associated with the former gas station, the region where the fuel transfer lines approach the pump island canopy, the proximity of the former hydraulic lifts inside the northern portion of the building, the UST west of the northern work bay, and a drainage pathway in the northwestern corner of the Property where significant surficial oil staining was observed. Select soil and groundwater samples were analyzed for petroleum hydrocarbons, volatile organic compounds (VOCs) and lead.

Results show that a hydraulic oil release has occurred in the vicinity of the former hydraulic lifts inside the building, with concentrations in groundwater exceeding the MTCA Method A Groundwater Cleanup Level. Gasoline was also reported in groundwater at these locations, exceeding its MTCA Method A Groundwater Cleanup Level in the northern boring location. Vinyl chloride was detected in groundwater greatly exceeding its MTCA Method A Groundwater Cleanup Level at the southern boring location. Vinyl chloride, and two other related chlorinated compounds, were reported in soil at the same location at concentrations below the applicable soil cleanup levels.

Gasoline and related constituents, were detected in soil and groundwater in both borings near the fuel transfer lines, with exceedances of MTCA Method A regulatory cleanup levels in soil at both locations, and in groundwater at the eastern location only.

All borings surrounding the four sides of the tank pit containing the four (4) USTs associated with the former gas station contained non-detectable concentrations of all fuel constituents tested, except for a low

detection of gasoline in groundwater in the northern boring, and a low detection of xylenes in soil in the western boring.

Samples from the boring in the northwest corner of the Property contained only a very low detection of diesel in near-surface soil.

Samples from the boring near the northern small apparent UST contained a detection of gasoline in soil slightly exceeding the MTCA Method A Soil Cleanup Level For Unrestricted Land Uses at eight (8) feet below ground surface (bgs), with no detections of all analytes detected in deeper soil or groundwater.

Based on the field observations and analytical results, Kane Environmental concludes that the Property is impacted by hydraulic oil leaking from closed in place infrastructure related to the former underground hydraulic lifts located inside the automotive repair work bays in the north-central portion of the Property. The source of the vinyl chloride contamination in the same location on the Property has not been identified, and the extent of the contamination has not been delineated.

While no significant release of petroleum from the four (4) USTs associated with the former gas station was identified, detections of gasoline and related constituents where the former fuel transfer lines approached the former pump island canopy, point to a release of gasoline in the general vicinity of the former pump islands.

Kane Environmental recommends further investigation of the Property, specifically in the vicinity of the former pump island canopy, to delineate the extent of gasoline petroleum release; and inside the automotive repair shop areas to further delineate the hydraulic oil (and gasoline) release, and vinyl chloride plume.

In addition, Kane Environmental recommends proper decommissioning (removal) of the four (4) USTs associated with the former gas station, as well as the small northern apparent UST. Removal of the hydraulic oil UST may coincide with the removal of the underground hydraulic lift infrastructure and remedial excavation of petroleum contaminated soil in that region of the Property.

1.0 INTRODUCTION

Kane Environmental, Inc. (Kane Environmental) has conducted a Limited Phase II Environmental Site Assessment (ESA), including sampling of soil and groundwater, at 1110 Martin Luther King Jr. Way, Seattle, Washington (tax parcel118900-0469) (the Property). The Property vicinity is displayed in Figure 1. A Site Plan is displayed in Figure 2. Figure 3 shows a detail of the Site Plan, including buildings, underground storage tanks (USTs), and the locations of the Limited Phase II ESA borings.

1.1 Background

The Property is composed of one irregularly shaped tax parcel (118900-0469). Kane Environmental received Property related material from Mr. Michael Nelson, including archived county assessor's documents, indicating that the Property was developed with a gas station and auto repair shop in approximately 1950. Records indicate that the current structure was constructed in 1961. While the auto repair structure remains on the Property, the gas station reportedly ceased operation in 1982. No Phase I ESA (ASTM E1527-13) for the Property was completed or reviewed by Kane Environmental.

1.2 Scope of Work

Kane Environmental was contracted to complete a Limited Phase II ESA including collection of soil and groundwater from approximately eight (8) locations on the Property. According to the proposal dated June 26, 2014, and approved on July 29, 2015, the following tasks were performed to complete this scope of work:

- **Utility Locate and GPR survey.** Public and private utility locates were performed prior to drilling activity. Special attention was paid to the region of the USTs associated with the former gas station, the interior shop area with former hydraulic lifts, and the northwestern portion of the Property.
- **Direct Push (DP) Borings.** Environmental Services Network, NW (ESN) of Olympia, Washington, was contracted to advance ten (10) direct push (DP) borings on the Property for collection of soil and groundwater, (if encountered). Two (2) boring locations were added with the approval of Mr. Michael Nelson.
- **Chemical Analysis.**

  Select soil samples collected were analyzed for the following chemical constituents:

  - Volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), by EPA Method 8260,
  - Total Petroleum Hydrocarbons (TPH) as gasoline by Method NWTPH-Gx,

- TPH as diesel and heavy oil by Method NWTPH-Dx/ Dx Extended,
- Lead by EPA Methods 6020/200.8/CVAA.

During a site walk of the Property conducted July 31, 2015, Eric Nassau of Kane Environmental observed two above ground tanks (ASTs) located outside the eastern wall of the automotive repair shop structure. According to the current tenant on the Property, the northern AST is used for storage of waste motor oil and the southern AST is unused. The vicinities of these ASTs were not investigated under this scope of work.

2.0 SUBSURFACE CONDITIONS

2.1 Geologic Setting

The Property is located in the Puget Sound Basin, which had the majority of the solid deposits and land features deposited during the Pleistocene Epoch which began approximately 1.5 million years ago. Soil characteristics in the Puget Sound Basin and, therefore, in vicinity of the site, generally consist of glacial deposits by the Vashon Glaciation. The soils on the Property are mapped as Vashon Till in the *Geologic Map of Seattle* (Troost et al. 2005).

Soils encountered in Limited Phase II DP borings consisted primarily of gray and brown silty sands with gravels (glacial till) with varying density. No clear zones of fill material were encountered except for in boring KSB-5, which encountered fill sand associated with the UST installation. Soil descriptions are included in the boring logs included in Attachment A.

2.2 Hydrogeologic Setting

The 1983 U.S. Geological Survey (USGS) Seattle North, Washington 7.5-Minute Quadrangle Topographic Map (Figure 1) indicates that the ground surface of the Property slopes gently to the northwest. Based on a visual review of the map and information available from Google Earth, the elevation of the Property is approximately 240 feet above mean sea level (msl). Based on local topography, groundwater flow direction in the vicinity of the Property is likely generally to the north, then toward Lake Washington.

Damp soils were first encountered in Limited Phase II DP borings ranging from five (5) to ten (10) feet bgs. Recoverable groundwater was encountered in all of the ten (10) DP borings conducted, at a depth of approximately ten (10) feet bgs. Groundwater bearing zones tended to be the sandier zones within the silty sandy glacial till, however in many of the groundwater producing zones, saturated soils were not dominant.

3.0 FIELD METHODOLOGY

3.1 Utility Locate and GPR Survey

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, and electric service for study areas at the Property. Areas identified as utility corridors by Washington Utilities Underground Location Center were marked and no sampling occurred in these areas. A private utility locator, Mt. View Locating, of Bonney Lake, Washington was retained to perform an on-Property utility survey, including GPR, to determine if underground utilities and structures were located in the area of the drilling activity.

3.2 Sampling Locations

On August 7, 2015, a total of ten (10) DP borings were advanced on the Property using a DP drill rig. Borings were completed to between ten (10) feet and fifteen (15) feet bgs. Soil samples were collected for analysis. Groundwater was encountered, and collected for analysis from all DP boring locations. All borings were abandoned according to Washington State regulations, with no permanent groundwater monitoring wells were installed. See Figure 3 for boring locations.

- **KSB-1 and KSB-2** were located inside the automotive workshop areas, with KSB-1 in the southern workshop bay, and KSB-2 in the northern workshop bay. These were in the vicinity of the former underground hydraulic lifts and associated hydraulic oil tank;
- **KSB-3, KSB-4, KSB-5, and KSB-6** were located surrounding the USTs associated with the former gas station, to the south, east, north, and west, respectively. KSB-5 was intended to be located further northeast, but was relocated due to unknown underground features encountered at the desired boring location;
- **KSB-7 and KSB-8** were located in the region where the fuel transfer lines enter approach the pump island associated with the former gas station. Borings could not be placed under the pump island canopy due to height restrictions, nor could they be placed directly north of the canopy due to buried utility concerns;
- **KSB-9** was located in the northwestern corner of the fenced portion of the Property, adjacent to an observed drainage area containing apparent petroleum contaminated surface soil and water;
- **KSB-10** was located directly west of the apparent UST discovered in the north-central portion of the Property.

3.3 Soil and Groundwater Sample Collection Methods

Soil samples from the DP borings were collected in acetate sample liners that were placed inside the DP sampling rod. Soil samples were obtained utilizing the collection, preparation and preservation methods outlined in EPA Method 5035A, as required by Washington Department of Ecology (Ecology). Each soil sample was logged by a Kane Environmental environmental engineer for physical properties such as grain size, color, and moisture. After sample collection, a portion was placed into pre-cleaned laboratory prepared glass jars with Teflon lids.

The soil samples were immediately placed into ice-filled coolers and delivered to Fremont Environmental Laboratory in Seattle, Washington under standard chain-of-custody procedures.

After completion of temporary borings, a temporary well was constructed for collection of groundwater grab samples by inserting a decontaminated slotted PVC screen into the saturated zone. Disposable tubing was then extended through the screen, and groundwater samples were collected using a peristaltic pump. New tubing was used for each groundwater sample. Groundwater was placed in the appropriate laboratory-supplied, pre-cleaned containers for analysis.

Soil sampling nomenclature identified each soil sample with the boring identification number, followed by a number designating the sample depth. For example, soil sample “KSB-2:6” was from the second soil boring and the sample was collected at six (6) feet bgs. Groundwater samples from each temporary boring were identified with a “W” following the boring ID. For example, sample “KSB-1:W” represents the groundwater sample collected from temporary boring KSB-1.

Borings were backfilled, sealed, and patched according to Ecology’s well drilling regulations. No permanent groundwater monitoring wells were installed.

4.0 ANALYTICAL METHODS

Select soil and groundwater samples were submitted to the Fremont Environmental Laboratory in Seattle, Washington. The following analyses were conducted on selected samples:

- Volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), by EPA Method 8260,
- Total Petroleum Hydrocarbons (TPH) as gasoline by Method NWTPH-Gx,
- TPH as diesel and heavy oil by Method NWTPH-Dx/ Dx Extended,
- Lead by EPA Methods 6020/200.8/CVAA.

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, laboratory control standards, sample duplicates, matrix spikes, and matrix spike duplicates.

5.0 RESULTS

5.1 Field Screening

All soil samples collected were field screened for indications of petroleum contamination including strong petroleum related odors, and the formation of a sheen when introduced to water. Strong indications of petroleum contamination in soil were observed KSB-1, KSB-2, KSB-7, and KSB-8. In all cases, petroleum indications were not apparent in soils at the deepest extent of the borings. Groundwater obtained from KSB-1 and KSB-2 contained a petroleum odor. Field screening results are included in boring logs (Attachment A).

5.2 Soil Samples

Soil sample results are summarized in Table 1 and Table 2. The full analytical report is included in Attachment C.

Petroleum impacted soils were encountered in both borings completed inside the automotive repair bays (KSB-1 and KSB-2), with benzene and gasoline present at concentrations exceeding their respective MTCA Method A Soil Cleanup Levels For Unrestricted land Uses (Soil Method A), and heavy oil (hydraulic oil) detected below its Soil Method A at 6 (6) feet bgs. Soils collected at 10 feet bgs from both boring locations contained no detectable petroleum or related compounds.

Vinyl chloride and trans-1,2-dichloroethene (DCE) were detected in KSB-1 soil at six (6) feet bgs at concentrations below the Soil Method A limit. No chlorinated volatile organic compounds (VOCs) were detected in the other soil samples collected in this region.

Soil samples analyzed from the four (4) borings surrounding the vicinity of the four (4) former gas station fuel storage USTs (KSB-3 – KSB-6) contained no indications of petroleum contaminated soil in that region of the Property. Only a very low concentration of xylenes was detected in the western boring (KSB-6) at eight (8) feet bgs.

The two borings completed in the region where the fuel transfer lines approach the former pump islands (KSB-7 and KSB-8) both exceeded Soil Method A for gasoline, with benzene also in exceedance in the eastern boring (KSB-8) at three (3) feet bgs. Lead was detected in all soil samples analyzed from these borings, slightly exceeding Soil Method A at three (3) feet bgs in KSB-8.

The northwestern boring (KSB-9), adjacent to the surface drainage area contained only a low detection of diesel in near-surface soil (1.5 feet bgs), with no detections of petroleum or related constituents at nine feet bgs.

The boring adjacent to the small northern UST (KSB-10) contained a low detection of xylenes, and gasoline above its Soil Method A limit at eight (8) feet bgs. There were no detections of petroleum or related constituents at fourteen (14) feet bgs.

5.3 Groundwater Samples

Groundwater sample results are summarized in Table3 and Table 4. The full analytical report is included in Attachment C.

Groundwater collected from both boring locations completed inside the automotive repair bays (KSB-1 and KSB-2) contained heavy oil exceeding the MTCA Method A Groundwater Cleanup Level (GW Method A), with gasoline and diesel also detected but in excess of their respective GW Method A limits in KSB-2 only. Vinyl chloride was detected at 11.3 parts per billion (ppb) in groundwater from KSB-1, greatly exceeding its GW Method A limit of 0.2 ppb. Cis-1,2- DCE was also detected, at a concentration below its GW Method A limit. Neither of these chlorinated VOCs were detected in KSB-2 groundwater.

Of the four (4) groundwater samples collected form the vicinity of the gas station USTs, only the northern boring (KSB-5) contained a low detection of gasoline. No other fuels, BTEX, or chlorinated VOCs were detected in groundwater from these locations.

Both of the groundwater samples collected in the vicinity of the fuel transfer lines (KSB-7 and KSB-8) contained gasoline, with the western sample (KSB-8) in excess of the GW Method A limit. KSB-8 also contained BTEX constituents below their respective GW Method A limits. Lead nor chlorinated VOCs were detected in groundwater at either location.

Groundwater from both of the northwestern borings (KSB-9 and KSB-10) contained non-detectable concentrations of all analytes tested.

6.0 DISCUSSION AND RECOMMENDATIONS

The historic use of the Property as a gas station, and the long-term use as an automotive repair facility prompted a Limited Phase II ESA of soil and groundwater on the Property. A private utility survey including GPR outlined the approximate boundaries of four (4) fuel storage USTs associated with the former gas station on the Property. Fill ports associated with each UST were present, one of which contained an associated metal tag with an Exxon logo, indicating a 6,000 unleaded gasoline UST. The canopy covering the former pump islands remains in place while the gas pumps have been removed. Two former hydraulic lifts were decommissioned in place inside the automotive repair shop, with the locations of the two hydraulic cylinders and one hydraulic oil UST visible. See Attachment A for photographs of the Property.

Ten (10) direct push (DP) borings were completed, with two (2) inside the automotive repair shop work bays, four (4) surrounding the USTs associated with the former gas station on the Property, two (2) near the fuel transfer lines and pump islands, one (1) adjacent to an oil stained area of surface drainage, and one (1) adjacent to a small UST adjacent to the northern Property boundary. All borings were abandoned and patched, with no permanent groundwater monitoring wells installed.

- The heavy oil impacts to soil and groundwater inside the automotive repair bays is likely a result of leaking hydraulic lift system(s). The very high concentration in groundwater from KSB-1 (68,100 ppb), along with the presence of a petroleum sheen observed during sample collection, may indicate the presence of free phase petroleum product at that location.
- The presence of gasoline in soil and groundwater at the same locations, inside the northern portion of the structure, may indicate a release of gasoline from a source aside from infrastructure associated with the former gas station, such as spills/releases during automotive repair activities. The presence of benzene in the gasoline contaminated soil may indicate that the release is relatively recent, since benzene is usually depleted by volatilization and/or microbial degradation in aged releases.
- The presence of low level cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride in soil from KSB-1, and the very high concentration of vinyl chloride in groundwater at the same location, may indicate a release of trichloroethene (TCE) or tetrachloroethene (PCE) from prior automotive repair activities (use in parts washer or as degreaser). In this case, the lack of PCE and TCE detected means that the release may be relatively old, allowing sufficient time for microbial reductive dechlorination of PCE and TCE to the DCEs, and eventually vinyl chloride. A search of the Ecology database of contaminated and remediated sites shows no site with current or historic similar contamination in the vicinity of the Property. This increases the likelihood that the chlorinated VOC contamination observed originated from an onsite source. No parts washer, or other source of PCE or related chlorinated hydrocarbons, is currently in use on the Property.

- The presence of gasoline impacts in the region where the fuel transfer lines enter the pump island area indicates a potential release of gasoline from the transfer lines or related joints and/or fittings at the pump island(s), or surface spills from historic automotive fueling. The extent of the gasoline impacts in this region of the Property have not been clearly delineated.
- The presence of a high lead concentration in soils from KSB-8 is likely not a result of leaded gasoline, due to the lack of lead in the gasoline contaminated groundwater collected at the same location. The presence of lead at this location may be from fill material or debris at that location, and is likely an isolated condition.

Kane Environmental recommends the following steps toward preparation of the Property for redevelopment:

- The four fuel storage USTs associated with the former gas station on the Property should be removed from the Property by a licensed tank removal company. These USTs are unregistered, not appearing in Ecology's UST database. While the perimeter borings appeared uncontaminated, the possibility remains that contaminated soil and/or groundwater may be encountered as the USTs are removed. A contingency for the removal and disposal of petroleum contaminated soil and/or groundwater should be in place during the tank decommissioning operations.
- Removal of all fuel transfer piping and related petroleum contaminated soil in the vicinity of the pump islands should also be excavated for removal and disposal. Removal and treatment of groundwater may be required during this process. Further subsurface investigation of soil and groundwater in this region of the Property may be completed prior to excavation in order to determine the lateral and vertical extent of petroleum contamination to be removed.
- The two former hydraulic lifts and associated hydraulic oil UST(s) should be excavated and removed from the Property. Soil and groundwater encountered during this operation may require disposal as petroleum contaminated media. They should also be tested for VOCs (PCE and breakdown products including vinyl chloride) to determine if disposal as Hazardous or Dangerous waste is required.
- The small apparent UST identified in the northern portion of the Property should be excavated and disposed of. While the boring completed adjacent to the UST appeared uncontaminated, the possibility remains that contaminated soil and groundwater may be encountered as the UST is removed. A contingency for the removal and disposal of petroleum contaminated soil and/or groundwater should be in place during the tank decommissioning operation.
- Completion of many of the operations introduced above will require coordination (permitting and/or reporting) with regulatory agencies such as the Seattle Fire Department (UST decommissioning), Ecology (remediation of contaminated soil and groundwater), and possibly other City of Seattle and/or King County entities.

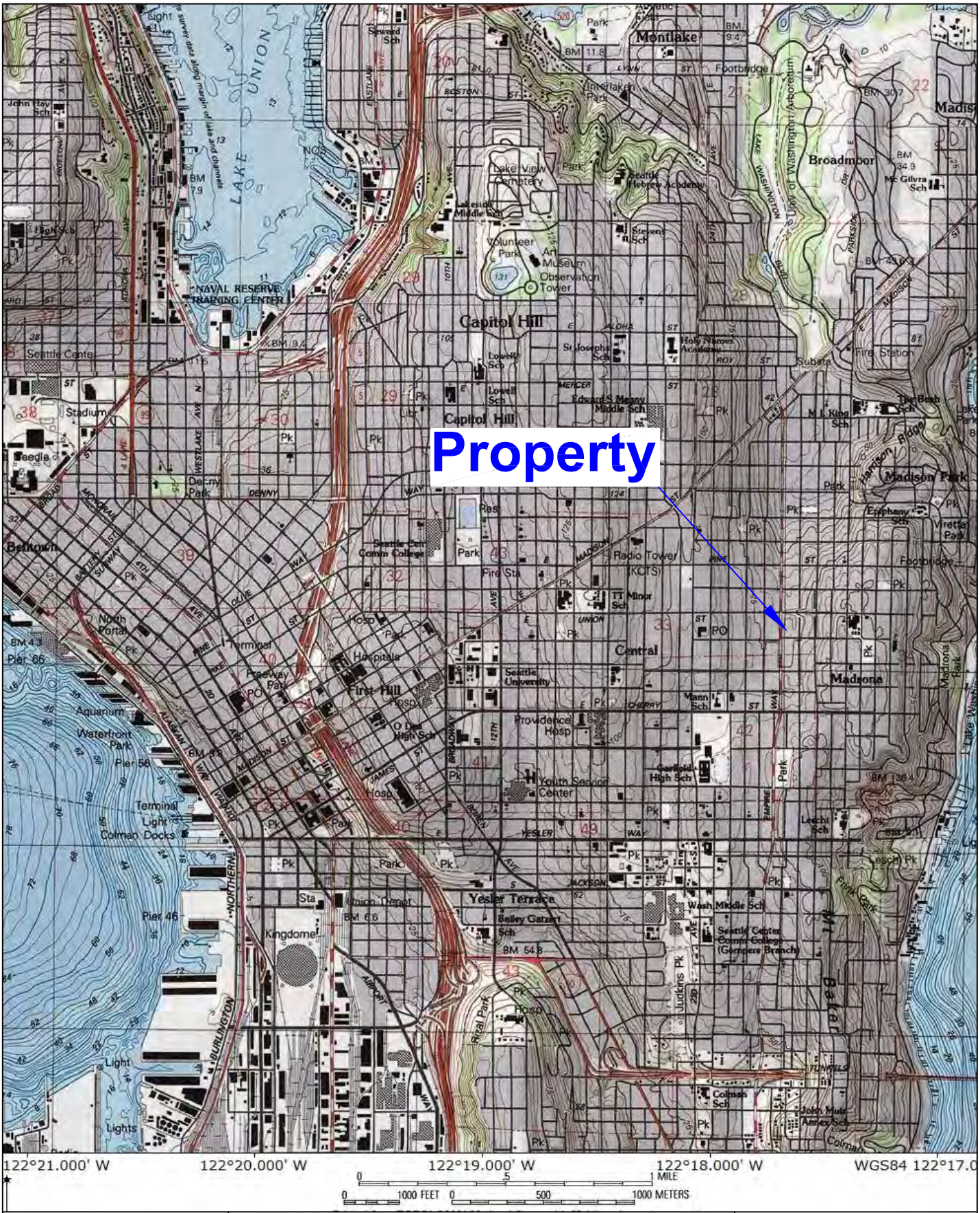
7.0 LIMITATIONS

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 Limited Phase II Assessment Report does not include other services not specifically described in the scope of work in Section 1.2 of this report. Conclusions were made within the operative constraints of the scope of work, budget, and schedule for this project.

Our assessment of the property may change as new data become available, either from persons familiar with the site or during additional site studies, exploration or sampling. This report is intended for the exclusive use of Mr. Michael Nelson, MRN Homes, LLC, and their designated assignees, for specific application to the referenced property. It is not meant to represent a legal opinion. No other warranty, express or implied, is made.

FIGURES



KANE ENVIRONMENTAL INC

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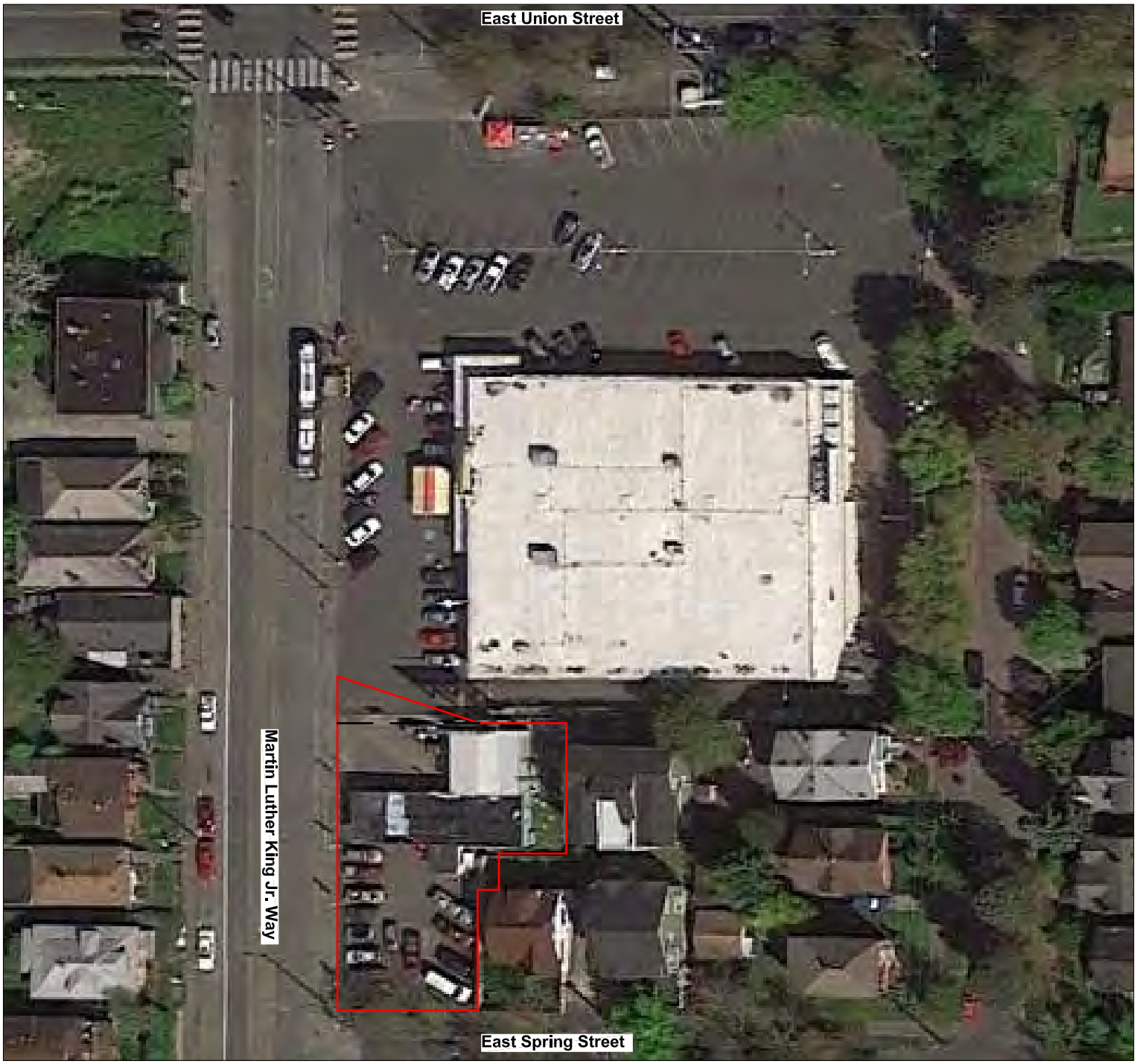
Limited Phase II Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Figure 1
Vicinity Map



LEGEND

Approximate Location of Property Boundary

0 60 120
Approximate Scale in Feet

N

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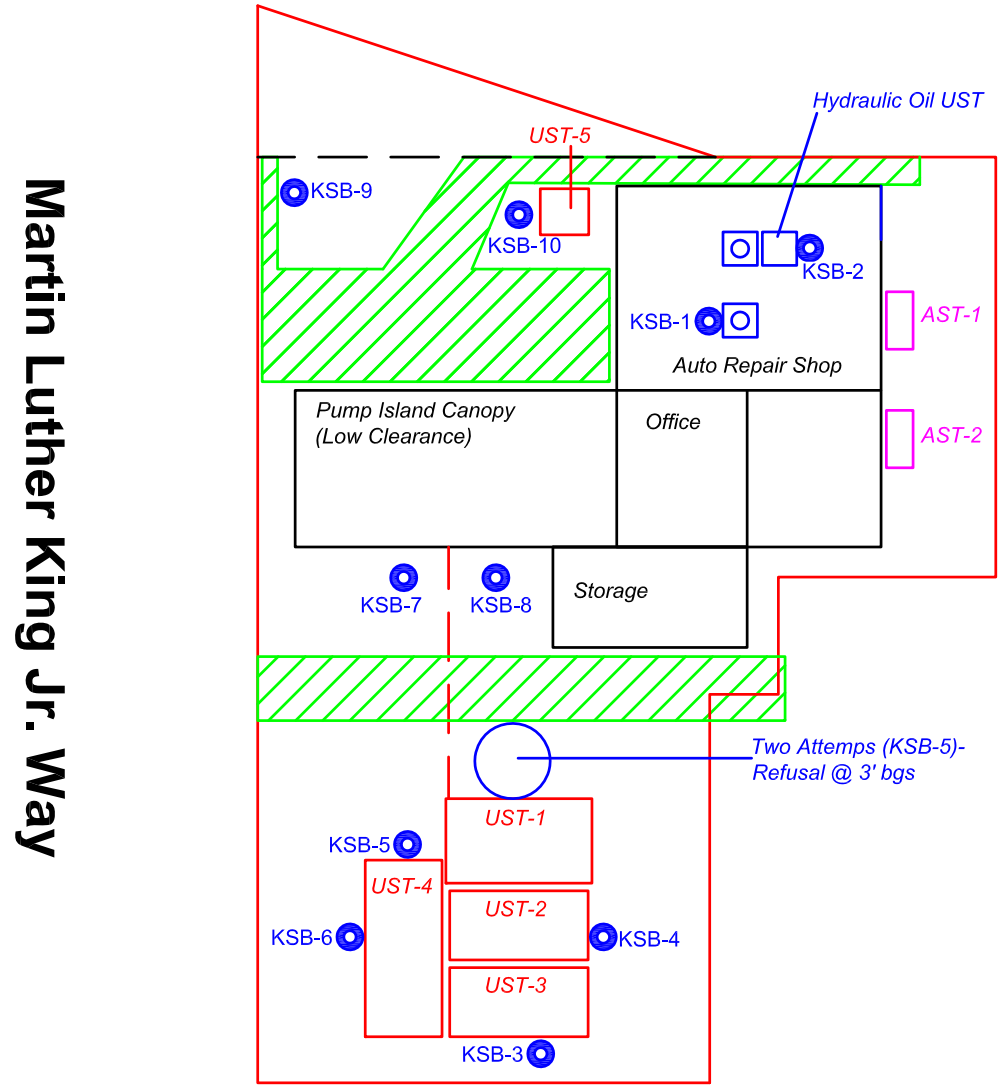
Limited Phase II Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Figure 2
Site Plan



0 25 50

Approximate Scale in Feet

LEGEND

- Approximate Locations of Property Boundary
- Approximate Locations of Buildings and Features
- Approximate Location of Northwestern Fenceline
- Approximate Locations of Underground Storage Tanks (USTs)
- Approximate Location of Fuel transfer Lines
- Approximate Location of Former Underground Hydraulic Lifts
- Approximate Locations of Direct Push Borings (August 2015)
- Areas of the Property Unavailable for Subsurface Investigation due to Utility Corridors (Sewer & Water)
- Heating Oil and Waste Oil ASTs (Not Investigated)

KANE ENVIRONMENTAL INC

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Limited Phase II Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Figure 3
Site Plan Detail with Property Features and Boring Locations

TABLES

TABLE 1
Summary of BTEX, Petroleum Products, and Lead in Soil
1110 Martin Luther King Jr. Way
Seattle, Washington

Sample ID	Sample Depth	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total Petroleum Hydrocarbons- Gasoline	Total Petroleum Hydrocarbons- Diesel	Total Petroleum Hydrocarbons- Heavy Oil	Lead
	(in feet)		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
KSB-1:6	6	8/7/2015	**0.14**	0.18	0.82	1.50	**88**	nd	170	---
KSB-1:10	10	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-2:6	6	8/7/2015	**0.04**	nd	1.43	1.83	**149**	nd	343	---
KSB-2:10	10	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-3:9	9	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-3:14	14	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-4:9	9	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-4:14	14	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-5:5	5	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-5:14	14	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-6:8	8	8/7/2015	nd	nd	nd	0.07	nd	nd	nd	---
KSB-6:14	14	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-7:3	3	8/7/2015	nd	nd	nd	nd	nd	nd	nd	3.8
KSB-7:8	8	8/7/2015	nd	nd	0.03	0.03	**658**	nd	nd	10.9
KSB-8:3	3	8/7/2015	**0.03**	0.19	**6.56**	**38.1**	**1,220**	nd	nd	**293**
KSB-8:8	8	8/7/2015	nd	nd	0.15	0.08	**50**	nd	nd	7.4
KSB-9:1.5	1.5	8/7/2015	nd	nd	nd	nd	nd	65	nd	---
KSB-9:9	9	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-10:8	8	8/7/2015	nd	nd	nd	0.31	**78**	nd	nd	---
KSB-10:14	14	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
Method Reporting Limit[a]			0.016	0.016	0.024	0.016	4	27	67	0.2
MTCA Method A Cleanup Level for Unrestricted Land Uses			0.03	7	6	9	30*/100	2,000	2,000	250

Notes:
mg/kg = milligrams per kilogram (equivalent to parts per million [ppm]).
nd = not detected at Method Reporting Limit.
* = Cleanup Level used if benzene is present or total of ethylbenzene, toluene and xylenes is greater than 1% of gasoline mixture.
Shaded and Bold concentrations are above MTCA Method A Cleanup Level for Unrestricted Land Uses.
a = Method Reporting Limits vary by sample and analysis. See individual analytical results for further detail.
--- = not analyzed.

TABLE 2
Summary of Volatile Organic Compounds in Soil
1110 Martin Luther King Jr. Way
Seattle, Washington

Sample ID		KSB-1:6	KSB-1:10	KSB-2:6	KSB-3:14	KSB-6:14	KSB-8:3	KSB-9:9	KSB-10:8	KSB-10:14	Method Reporting Limit[a]	MTCA Method A or Method B Cleanup Level
Sample Depth (ft)		6	10	6	14	14	3	9	8	14		
Date		8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15		
1,1-Dichloroethene	*mg/kg*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*0.0350*	*4000*
Cis-1,2-Dichloroethene	*mg/kg*	*1.09*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*0.0140*	*160*
Tetrachloroethene (PCE)	*mg/kg*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*0.0140*	*0.05**
Trans-1,2-Dichloroethene	*mg/kg*	*0.0287*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*0.0140*	*160*
Trichloroethene (TCE)	*mg/kg*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*0.0140*	*0.03**
Vinyl Chloride	*mg/kg*	*0.0261*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*nd*	*0.0014*	*87.5*

Notes:
mg/kg = milligrams per kilogram (equivalent to parts per million [ppm]).
nd = not detected at Method Reporting Limit.
* = MTCA Method A Cleanup Level shown. All others are Method B, with Cancer values reported (when present).
Shaded and Bold concentrations are above at least one of the MTCA Method A or Method B Cleanup Level.
a = Method Reporting Limits vary by sample and analysis; greatest value shown in table. See individual analytical results for further detail.

TABLE 3
Summary of BTEX, Petroleum Products, and Dissolved Lead in Groundwater
1110 Martin Luther King Jr. Way
Seattle, Washington

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total Petroleum Hydrocarbons-Gasoline	Total Petroleum Hydrocarbons-Diesel	Total Petroleum Hydrocarbons-Heavy Oil	Dissolved Lead
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KSB-1:W	8/7/2015	1.3	nd	1.3	3.3	369	nd	**68,100**	---
KSB-2:W	8/7/2015	nd	nd	22.7	29.1	**1,960**	**536**	**2,230**	---
KSB-3:W	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-4:W	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-5:W	8/7/2015	nd	nd	nd	nd	334	nd	nd	---
KSB-6:W	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-7:W	8/7/2015	nd	nd	nd	nd	345	nd	nd	nd
KSB-8:W	8/7/2015	1.7	2.4	29.6	55.4	**1,360**	nd	nd	nd
KSB-9:W	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
KSB-10:W	8/7/2015	nd	nd	nd	nd	nd	nd	nd	---
Method Reporting Limit		1	1	1	1	50	50	100	1.00
MTCA Method A Cleanup Level for Groundwater		5	1,000	700	1,000	800[a]/1,000	500	500	15

Notes:
µg/L = micrograms per liter (equivalent to parts per billion [ppb]).
nd = not detected at Method Reporting Limit.
a = Cleanup level used if benzene is present or total of ethylbenzene, toluene and xylenes is greater than 1% of gasoline mixture.
--- = not analyzed.
Shaded and Bold concentrations are above MTCA Method A Groundwater Cleanup Levels.

TABLE 4
Summary of Volatile Organic Compounds in Groundwater
1110 Martin Luther King Jr. Way
Seattle, Washington

Sample ID		KSB-1:W	KSB-2:W	KSB-3:W	KSB-4:W	KSB-5:W	KSB-6:W	KSB-7:W	KSB-8:W	KSB-9:W	KSB-10:W	Method Reporting Limit[a]	MTCA Method A or Method B Cleanup Level
Date		8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15	8/7/15		
1,1,1,2-Tetrachloroethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	1.68
1,1,1-Trichloroethane (TCA)	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	200*
1,1,2,2-Tetrachloroethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.219
1,1,2-Trichloroethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.768
1,1-Dichloroethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	1600
1,1-Dichloroethene	µg/l	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1	400
1,1-Dichloropropene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
1,2,3-Trichlorobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	4	NV
1,2,3-Trichloropropane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.015
1,2,4-Trichlorobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	2	1.51
1,2,4-Trimethylbenzene	µg/l	3.36	nd	---	---	---	---	---	---	---	nd	1	NV
1,2-Dibromo-3-Chloropropane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.055
1,2-Dichlorobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	720
1,2-Dichloroethane (EDC)	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	5*
1,2-Dichloropropane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
1,3,5-Trimethylbenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	80
1,3-Dichlorobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
1,3-Dichloropropane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
1,4-Dichlorobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
2,2-Dichloropropane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	2	NV
2-Chlorotoluene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
4-Chlorotoluene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
Bromobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
Bromoform	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	5.54
Bromomethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
Carbon Tetrachloride	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.625
CFC-11	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	2400
CFC-12	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	1600
Chlorobenzene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	160
Chlorodibromomethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.521
Chloroethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
Chloroform	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	80
Chloromethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
Cis-1,2-Dichloroethene	µg/l	1.89	nd	nd	nd	nd	nd	nd	nd	nd	nd	1	16
Cis-1,3-Dichloropropene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	160
Cumene (Isopropylbenzene)	µg/l	1.14	3.64	---	---	---	---	---	---	---	nd	1	800
Dibromomethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	80
Dichlorobromomethane	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	0.706
Ethylene dibromide (EDB)	µg/l	nd	nd	---	---	---	---	---	---	---	nd	0.06	0.01*
Hexachlorobutadiene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	4	0.561
Methyl t-butyl ether	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	20*
Methylene Chloride	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	5*
Naphthalene	µg/l	nd	75.3	---	---	---	---	---	---	---	nd	1	160
n-Butylbenzene	µg/l	3.42	7.43	---	---	---	---	---	---	---	nd	1	400
n-Propylbenzene	µg/l	3.74	13.4	---	---	---	---	---	---	---	nd	1	800
p-Isopropyltoluene	µg/l	nd	3.61	---	---	---	---	---	---	---	nd	1	NV
sec-Butylbenzene	µg/l	2.21	2.58	---	---	---	---	---	---	---	nd	1	800
Styrene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	1600
Tert-Butylbenzene	µg/l	nd	24.0	---	---	---	---	---	---	---	nd	1	800
Tetrachloroethene (PCE)	µg/l	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1	5*
Trans-1,2-Dichloroethene	µg/l	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1	160
Trans-1,3-Dichloropropene	µg/l	nd	nd	---	---	---	---	---	---	---	nd	1	NV
Trichloroethene (TCE)	µg/l	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.5	5*
Vinyl Chloride	µg/l	**11.3**	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.2	0.2*

Notes:
mg/kg = milligrams per kilogram (equivalent to parts per million [ppm]).
nd = not detected at Method Reporting Limit.
NV = no cleanup value under this criteria.
* = MTCA Method A Cleanup Level For Groundwater shown. All others are Method B, with Cancer values reported (when present).
--- = not analyzed.
Shaded and Bold concentrations are above at least one of the MTCA Method A or Method B Cleanup Level.
a = Method Reporting Limits vary by sample and analysis; greatest value shown in table. See individual analytical results for further detail.

ATTACHMENT A
PHOTOGRAPHS

Photograph 1 – View east from the northwest corner of the fenced portion of the Property showing the canopy of the former pump islands, the two automotive repair bays, and the surface drainage pathway (lower left).

Photograph 2 – View south of the southern portion of the Property showing the painted outlines of four (4) fuel storage USTs remaining in place from the former gas station on the Property (See Figure 3).

Photograph 3 – View of tag, with Exxon logo, installed adjacent to the fill port of the northeastern-most fuel storage UST, indicating a 6,000 gallon capacity unleaded gasoline tank. No other UST fill ports had similar tags.

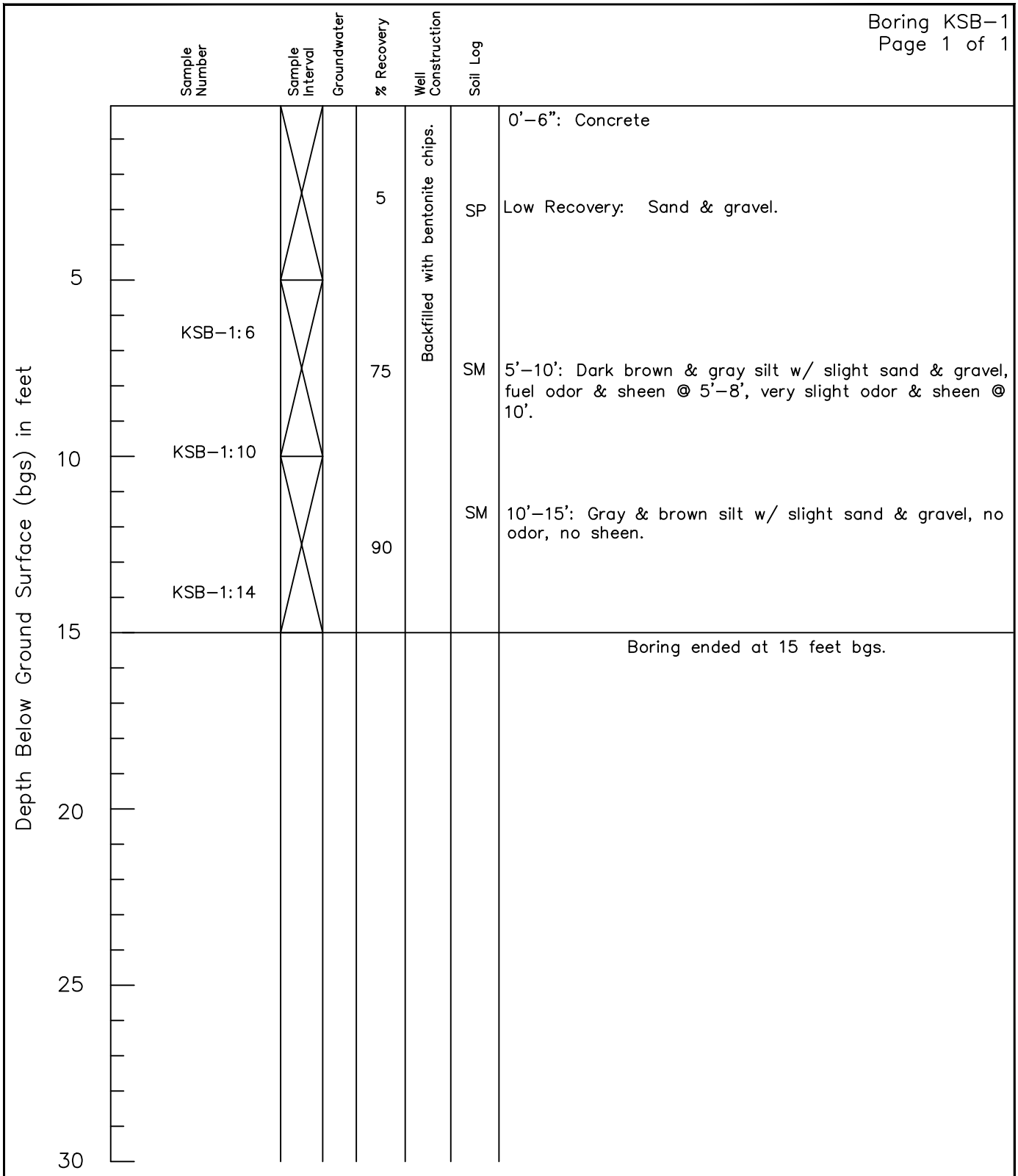
Photograph 4 – View of the interior of the northern automotive repair bay, showing the former hydraulic lift (center) and the square outline of the hydraulic oil UST. Boring KSB-2 is shown in white beyond the UST.

Photograph 5 – View showing the surface drainage pathway leading to the northwest corner of the fenced portion of the Property. An apparent fuel sheen was observed on the water. Boring KSB-9 was placed in this region.

Photograph 6 – View east showing the outline of the apparent UST located west of the northern automotive repair bay. The location of boring KSB-10 is shown by the black patch to the left of the blue circle.

ATTACHMENT B
SOIL BORING LOGS

Boring KSB–1
Page 1 of 1



Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 10 feet – 14 Feet (Temporary)

Depth to Water (First Encountered): ~10' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

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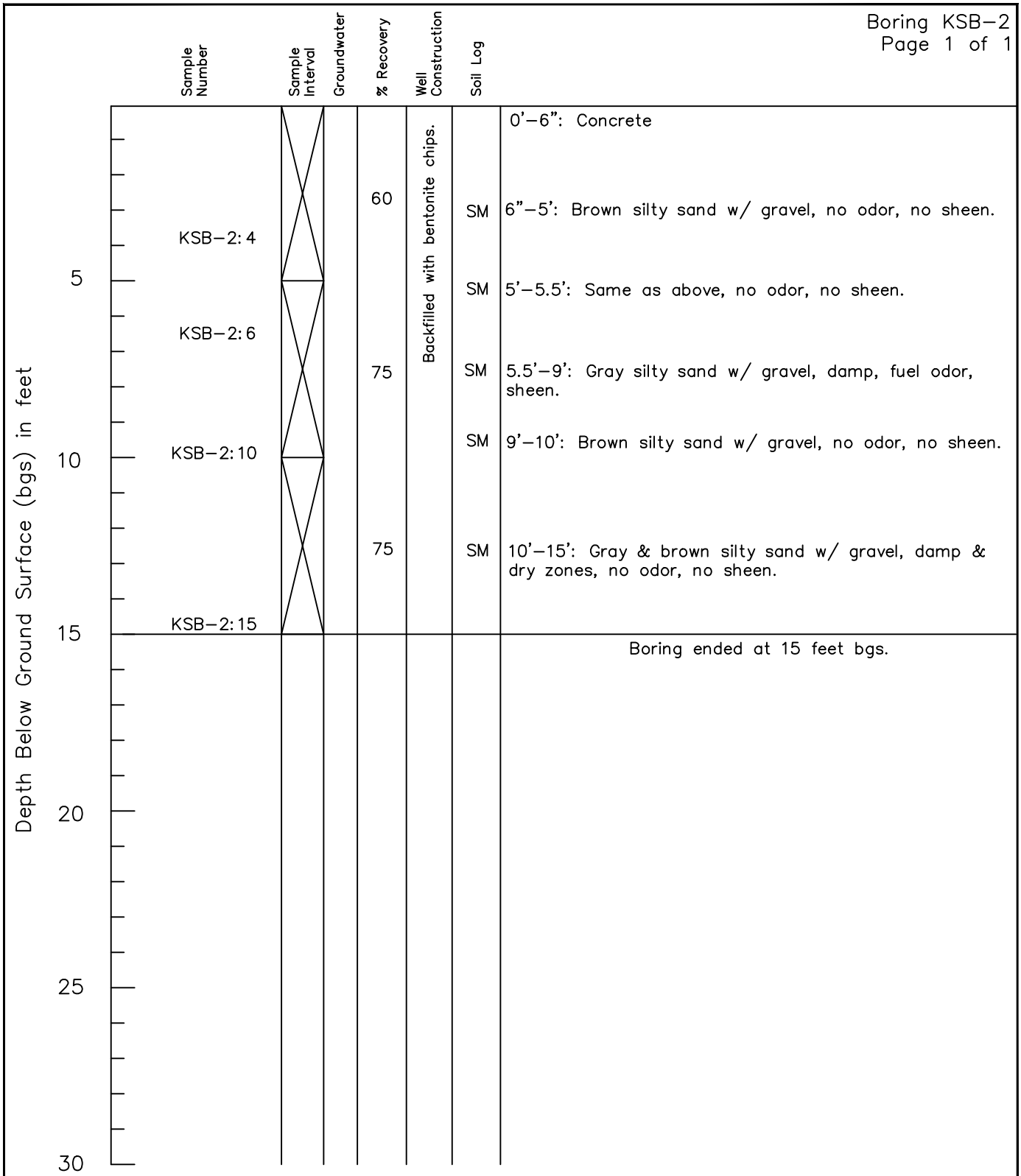
Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Soil Boring Log



Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 6 feet – 10 Feet (Temporary)

Depth to Water (First Encountered): ~6' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

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Seattle, Washington

Soil Boring Log

Boring KSB–3
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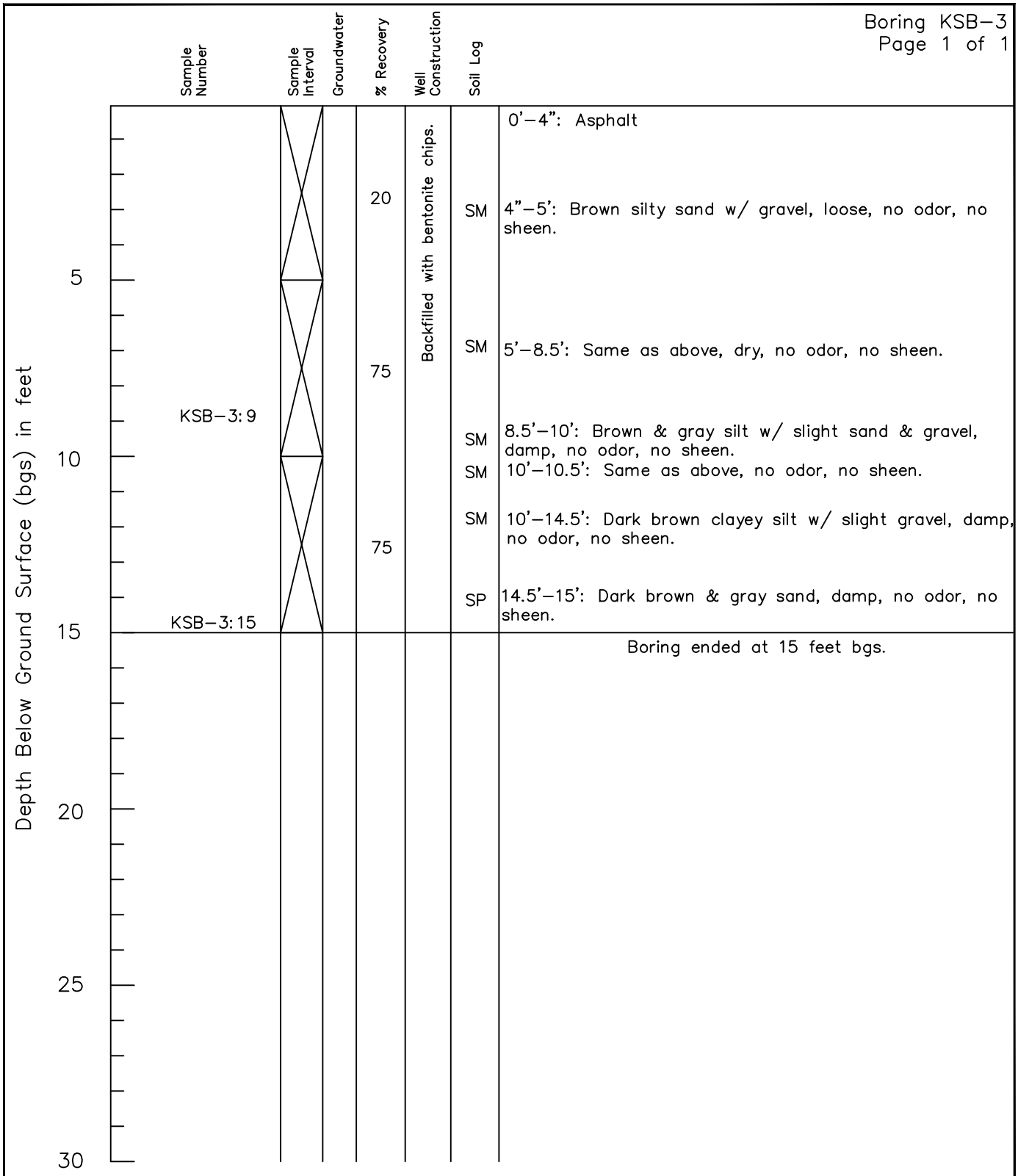

Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 10 feet – 15 Feet (Temporary)

Depth to Water (First Encountered): ~13' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

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Environmental Site Assessment
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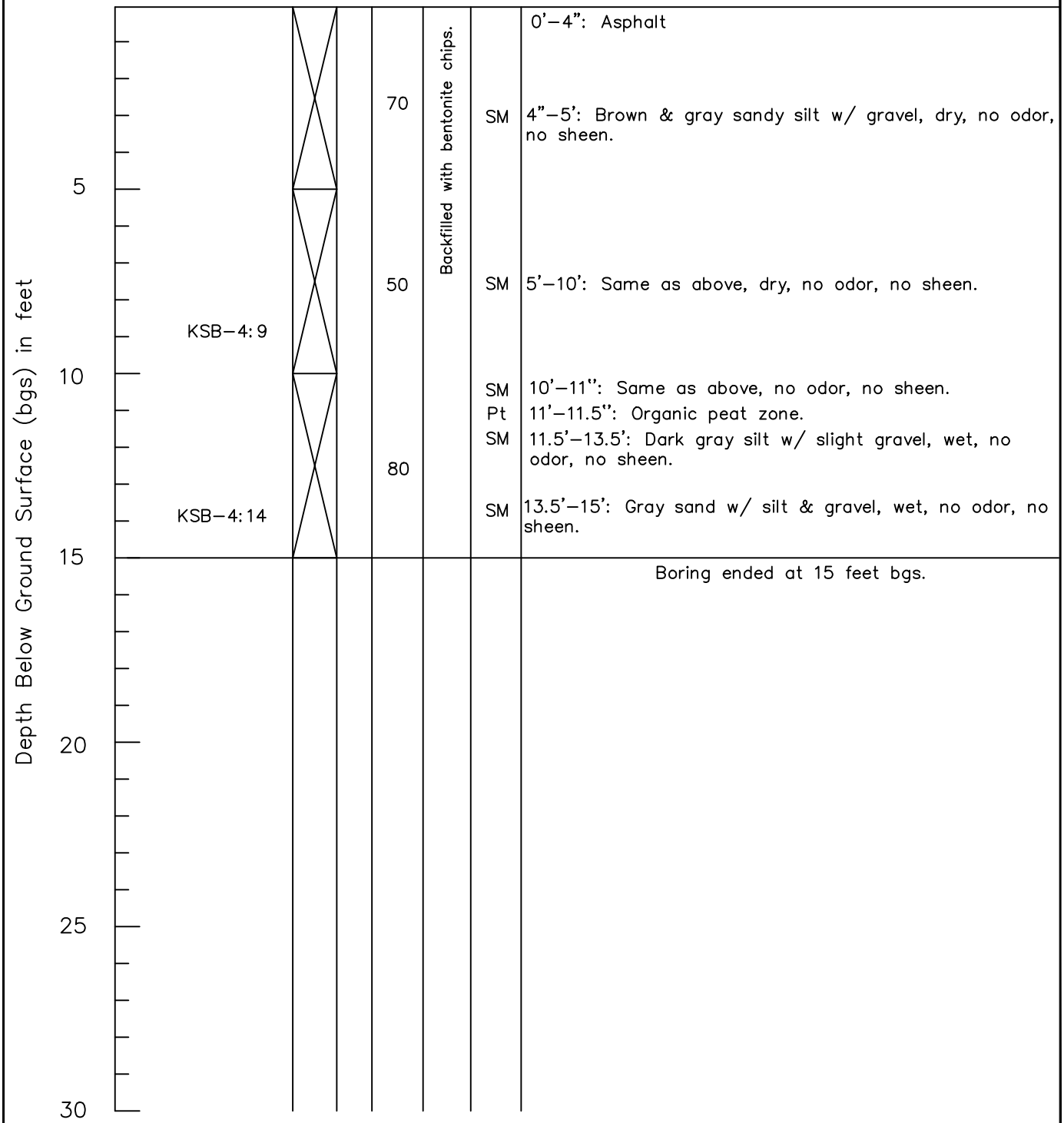
Seattle, Washington

Soil Boring Log



Soil Log	
	0'–4": Asphalt
SM	4"–5': Brown & gray sandy silt w/ gravel, dry, no odor, no sheen.
SM	5'–10': Same as above, dry, no odor, no sheen.
SM	10'–11": Same as above, no odor, no sheen.
Pt	11'–11.5": Organic peat zone.
SM	11.5'–13.5': Dark gray silt w/ slight gravel, wet, no odor, no sheen.
SM	13.5'–15': Gray sand w/ silt & gravel, wet, no odor, no sheen.
	Boring ended at 15 feet bgs.

Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 10 feet – 15 Feet (Temporary)

Depth to Water (First Encountered): ~12' bgs
Depth to Water (Static): N/A
(water depths are approximate)

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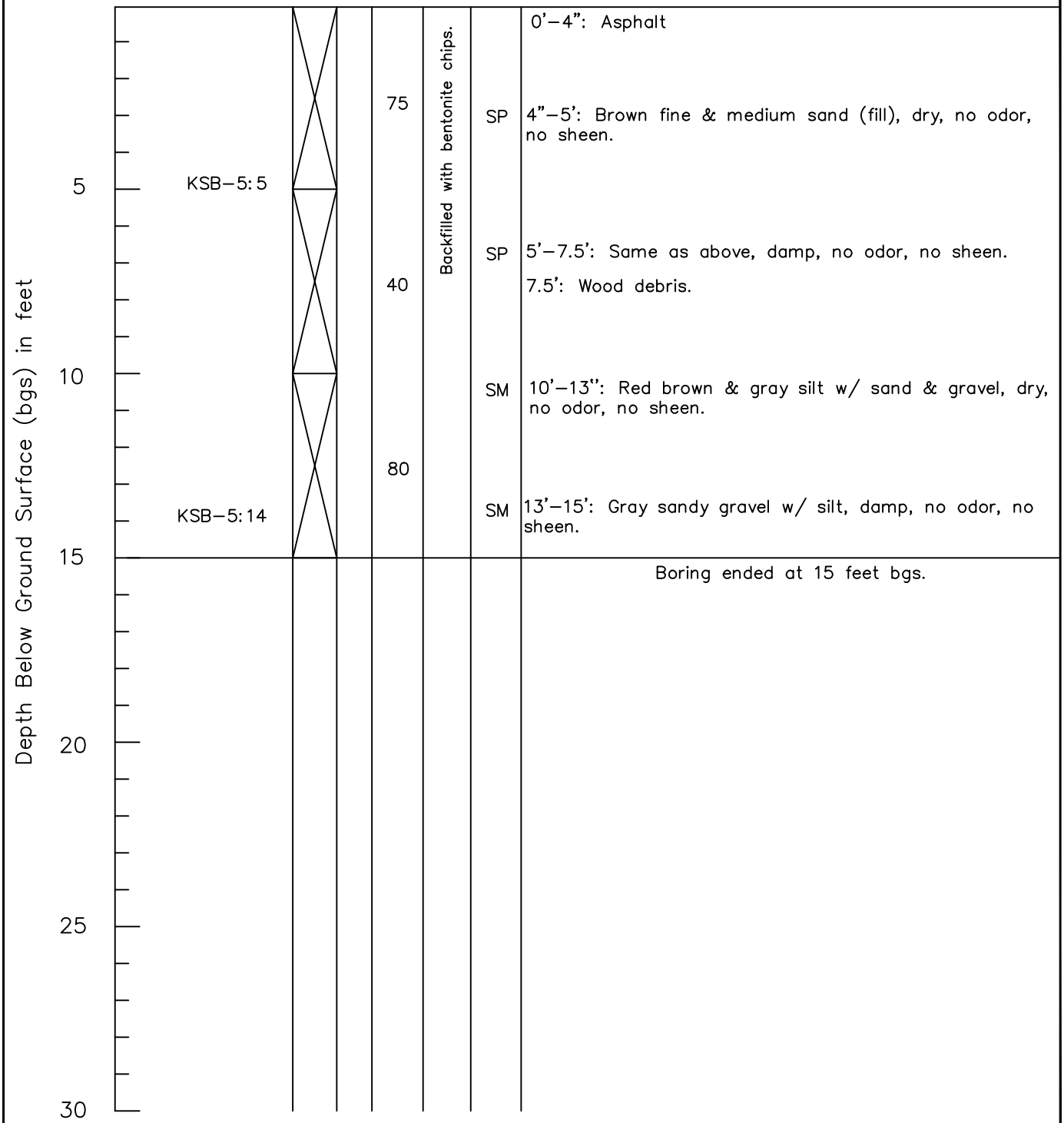
Seattle, Washington

Soil Boring Log



Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 7 feet – 12 Feet (Temporary)

Depth to Water (First Encountered): ~10' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
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Soil Boring Log

Boring KSB–6
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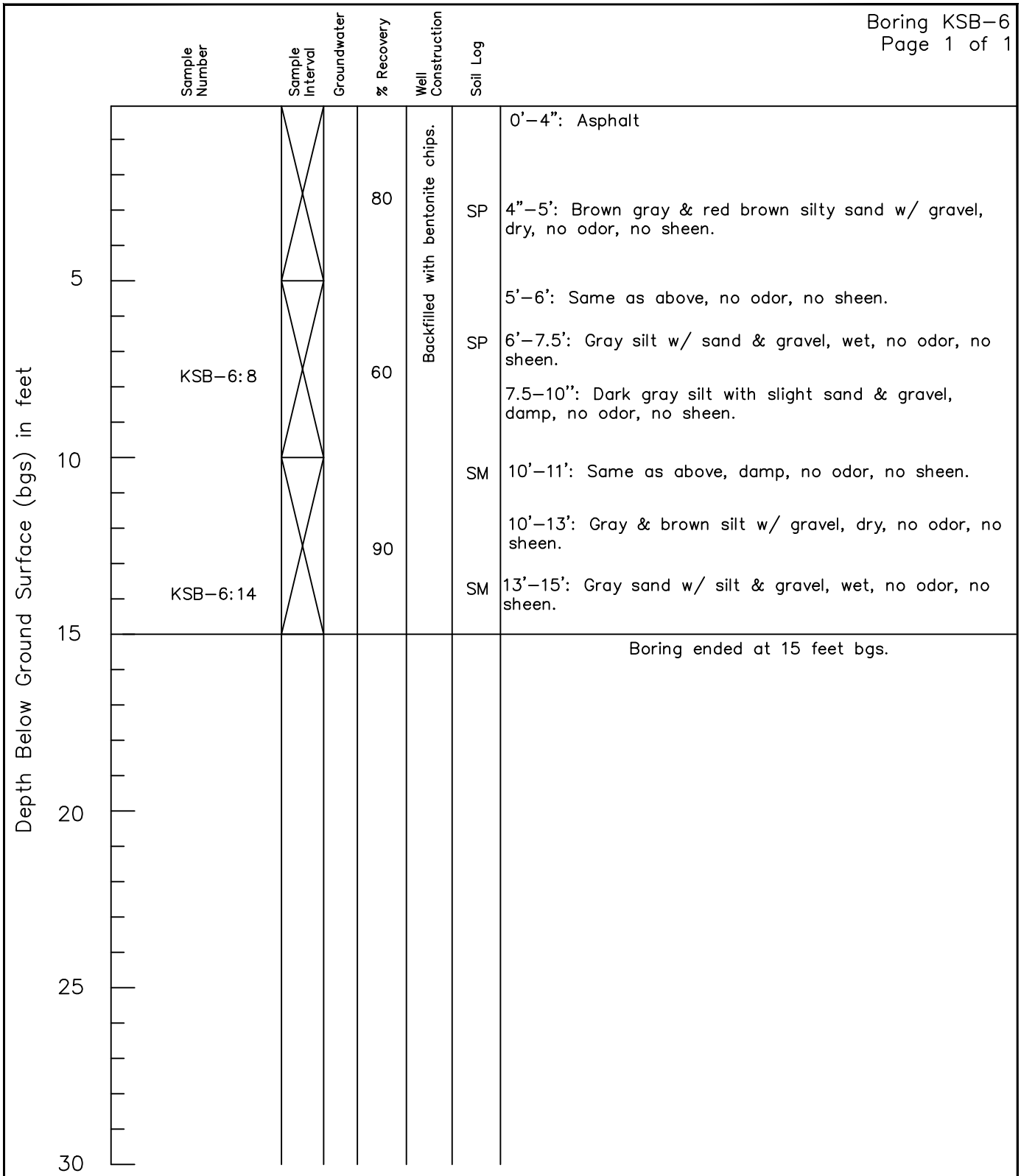

Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 8 feet – 13 Feet (Temporary)

Depth to Water (First Encountered): ~10' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
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Seattle, Washington

Soil Boring Log

Boring KSB–7
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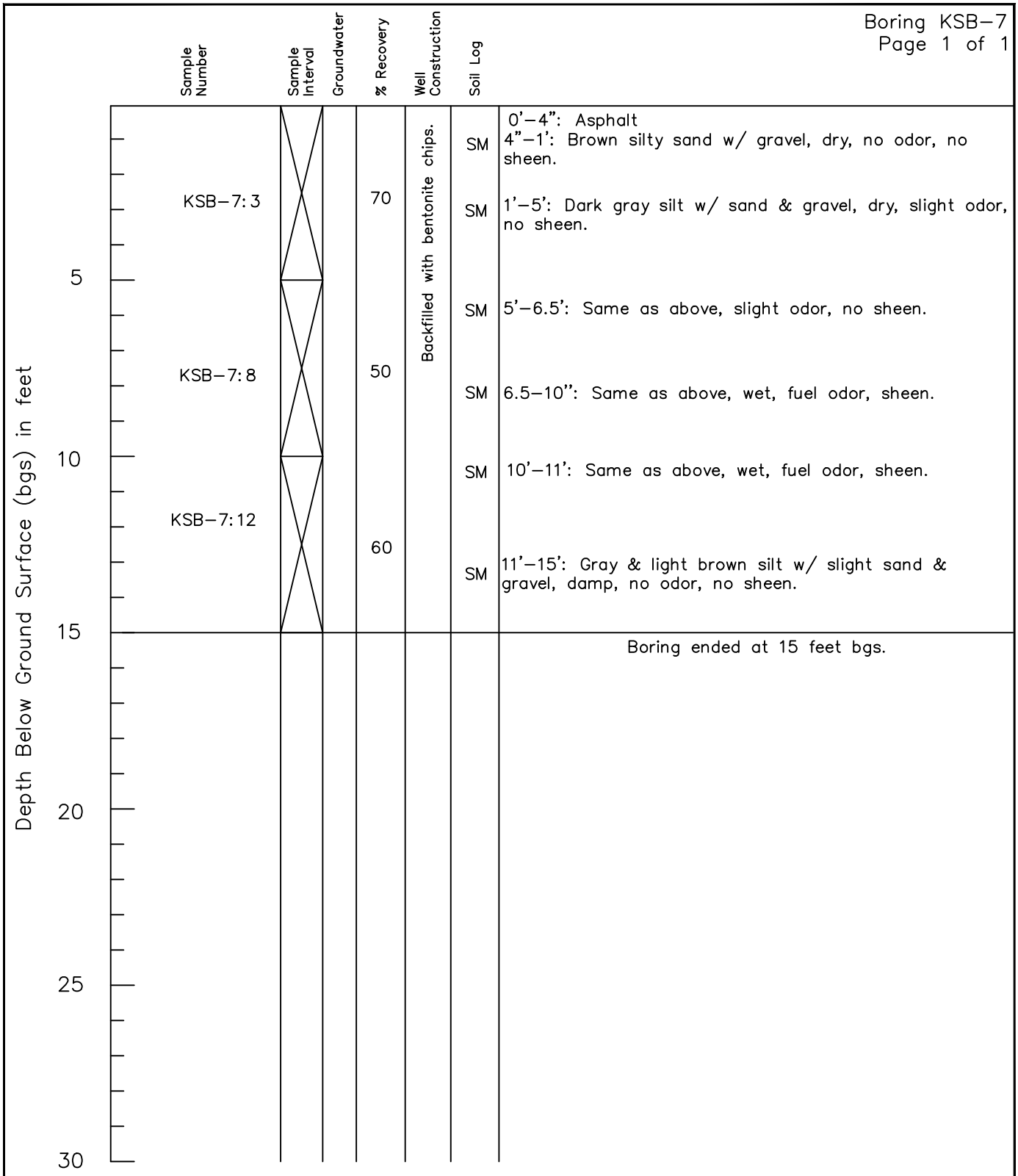

Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 8 feet – 13 Feet (Temporary)

Depth to Water (First Encountered): ~10' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

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1110 Martin Luther King Jr. Way
Seattle, Washington

Soil Boring Log

Boring KSB–8
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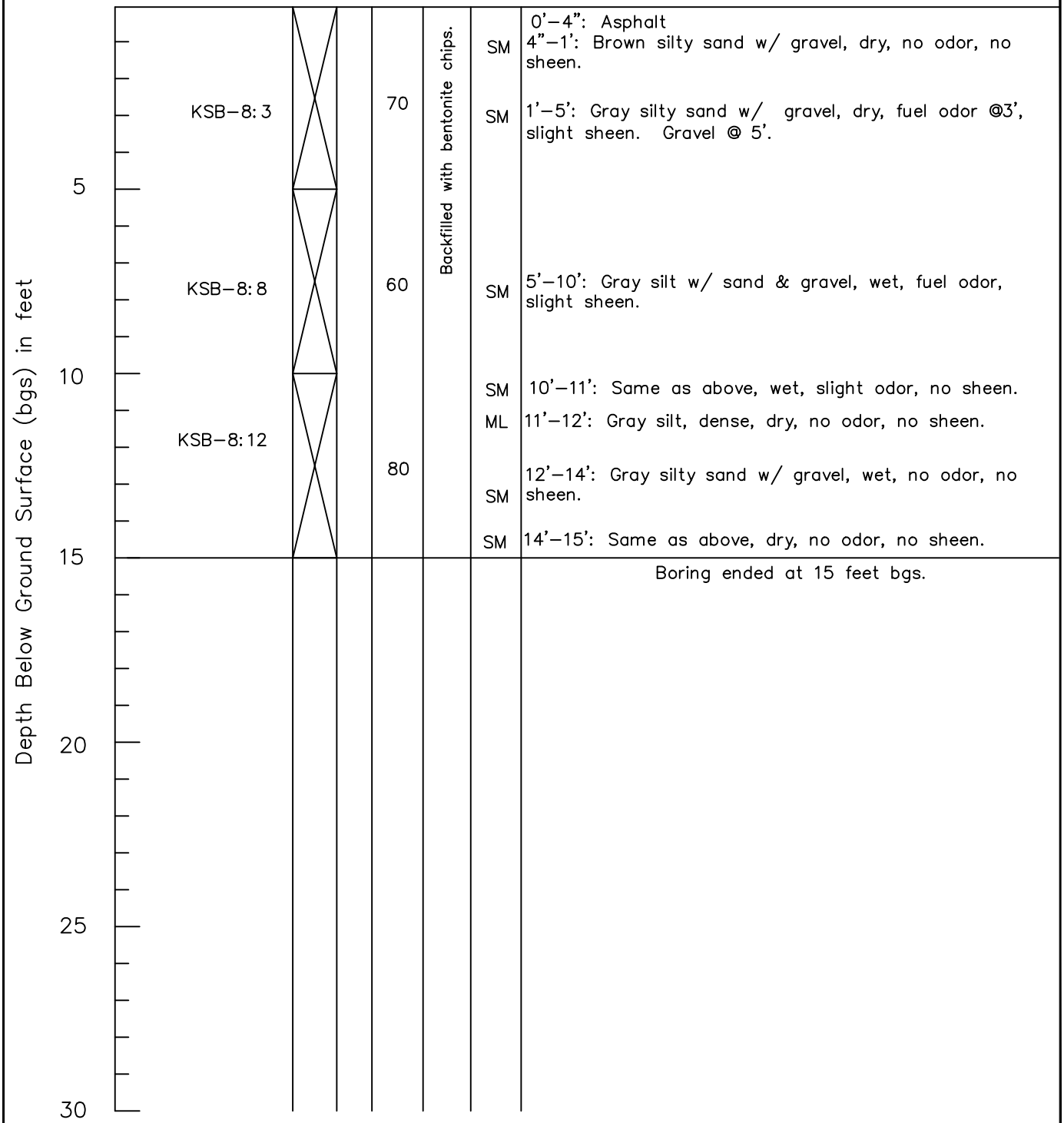


Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

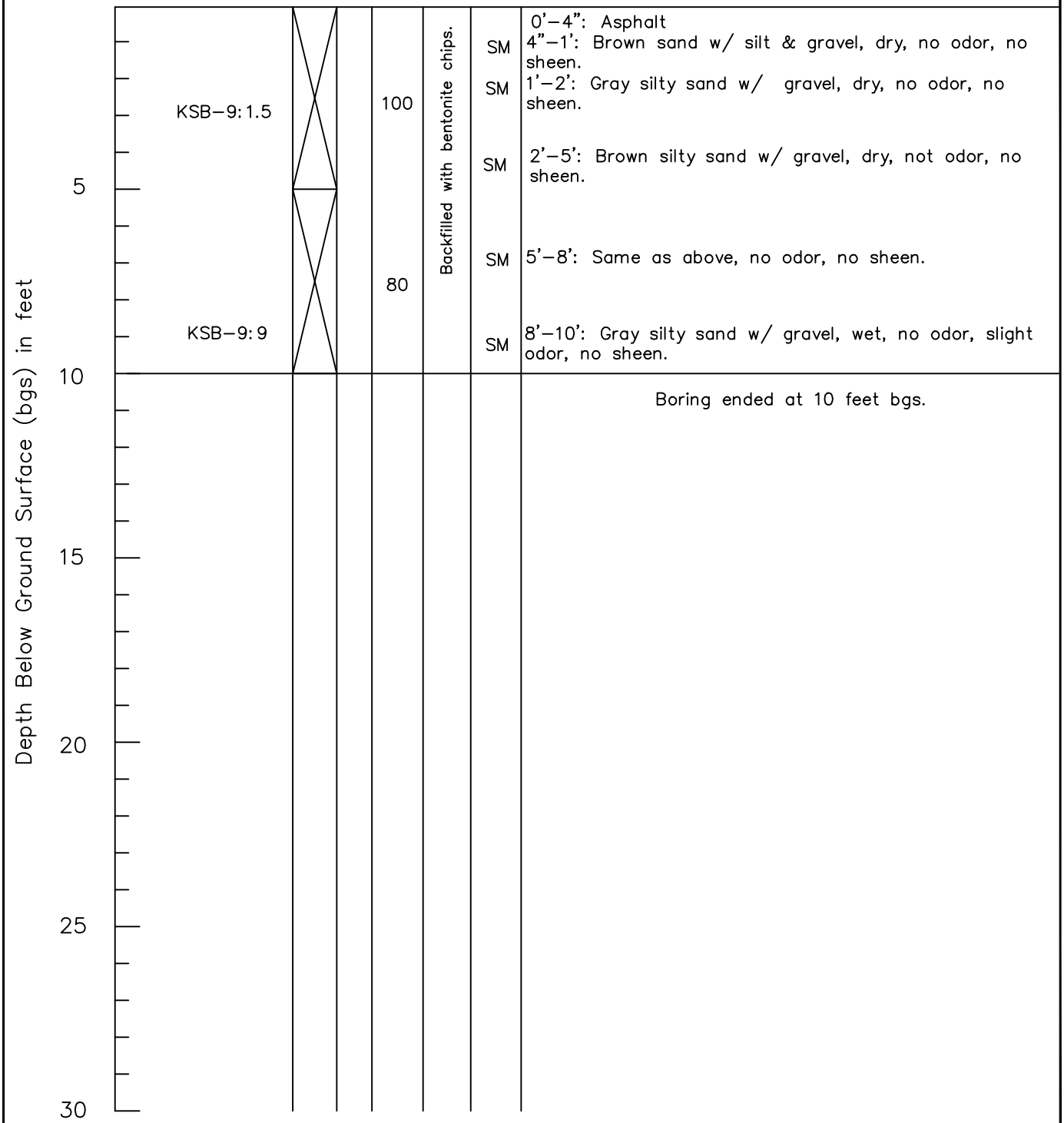
Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 10 feet – 15 Feet (Temporary)

Depth to Water (First Encountered): ~10' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

Limited Phase II
Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Soil Boring Log



Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 10 feet
Screened Interval: 5 feet – 10 Feet (Temporary)

Depth to Water (First Encountered): ~8 bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

Limited Phase II
Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Soil Boring Log

Boring KSB–10
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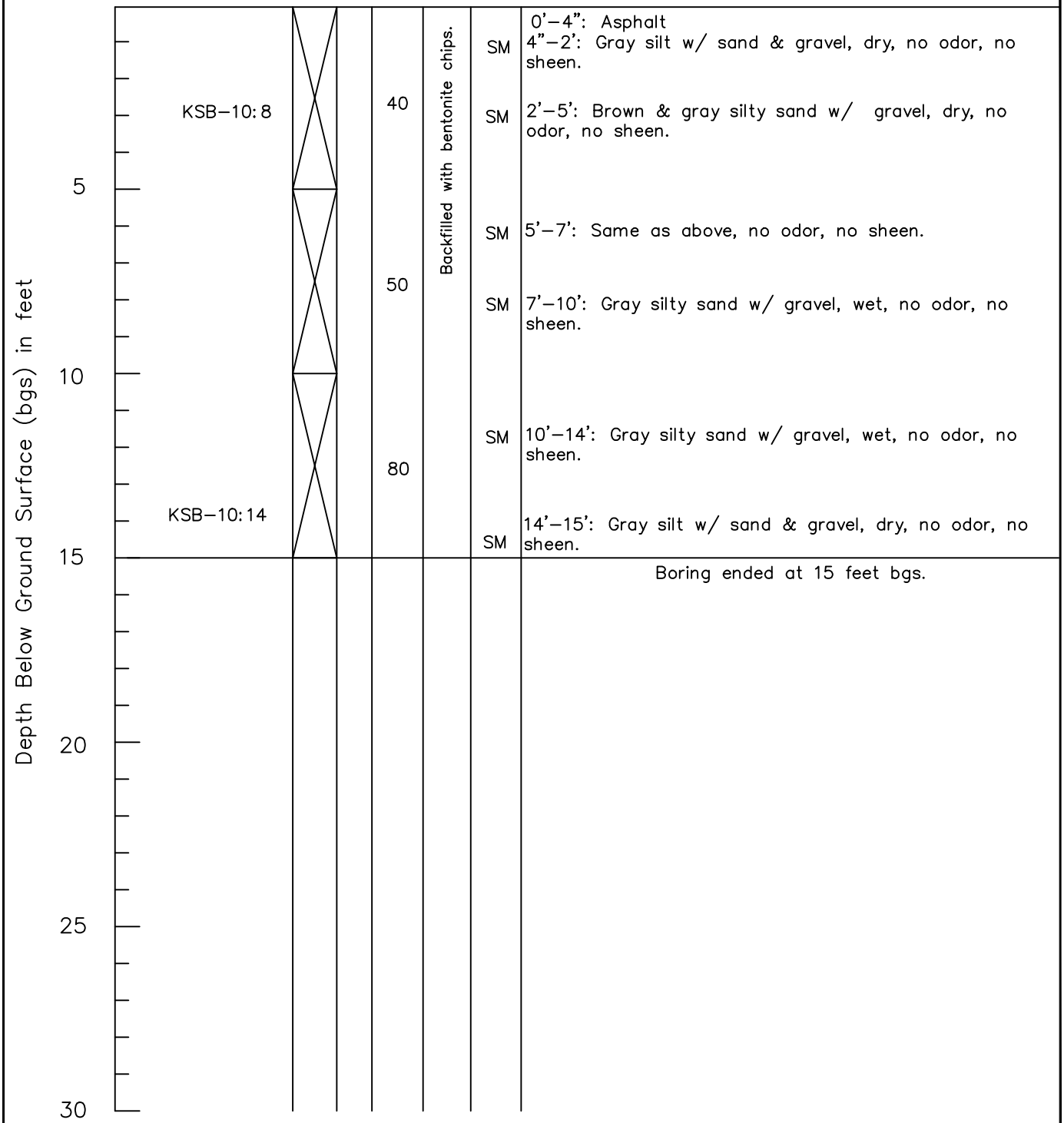

Logged by: Eric Nassau
Driller: ESN Northwest
Drilling Method: Direct Push
Sampling Method: Acetate Liner
Casing Type: N/A
Annular Pack: N/A
Slot Size: N/A
Soils classified visually using the Unified Soils Classification System

Hammer Size: N/A
Date Drilled: 8/7/2015
Hole Diameter: 2 inches
Hole Depth: 15 feet
Screened Interval: 10 feet – 15 Feet (Temporary)

Depth to Water (First Encountered): ~10' bgs
Depth to Water (Static): N/A
(water depths are approximate)

KANE ENVIRONMENTAL INC
Project No. 68903

Limited Phase II
Environmental Site Assessment
1110 Martin Luther King Jr. Way
Seattle, Washington

Soil Boring Log

ATTACHMENT C
LABORATORY ANALYTICAL REPORT

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Kane Environmental, Inc.
Eric Nassau
3815 Woodland Park Ave N, Ste. 102
Seattle, WA 98103

RE: 1110 MLK Jr. Way - 68903
Lab ID: 1508074

August 17, 2015

Attention Eric Nassau:

Fremont Analytical, Inc. received 35 sample(s) on 8/7/2015 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Dissolved Metals by EPA Method 200.8
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
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,

Chelsea Ward
Project Manager

Fremont Analytical

Date: *08/17/2015*

CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903
Lab Order: 1508074

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1508074-001	KSB-1:6	08/07/2015 9:15 AM	08/07/2015 4:23 PM
1508074-002	KSB-1:10	08/07/2015 9:20 AM	08/07/2015 4:23 PM
1508074-003	KSB-1:14	08/07/2015 9:30 AM	08/07/2015 4:23 PM
1508074-004	KSB-2:4	08/07/2015 10:10 AM	08/07/2015 4:23 PM
1508074-005	KSB-2:6	08/07/2015 10:15 AM	08/07/2015 4:23 PM
1508074-006	KSB-2:10	08/07/2015 10:20 AM	08/07/2015 4:23 PM
1508074-007	KSB-2:15	08/07/2015 10:30 AM	08/07/2015 4:23 PM
1508074-008	KSB-3:9	08/07/2015 11:00 AM	08/07/2015 4:23 PM
1508074-009	KSB-3:14	08/07/2015 11:10 AM	08/07/2015 4:23 PM
1508074-010	KSB-4:9	08/07/2015 11:40 AM	08/07/2015 4:23 PM
1508074-011	KSB-4:14	08/07/2015 11:50 AM	08/07/2015 4:23 PM
1508074-012	KSB-5:5	08/07/2015 12:15 PM	08/07/2015 4:23 PM
1508074-013	KSB-5:14	08/07/2015 12:25 PM	08/07/2015 4:23 PM
1508074-014	KSB-6:8	08/07/2015 12:55 PM	08/07/2015 4:23 PM
1508074-015	KSB-6:14	08/07/2015 1:05 PM	08/07/2015 4:23 PM
1508074-016	KSB-7:3	08/07/2015 1:20 PM	08/07/2015 4:23 PM
1508074-017	KSB-7:8	08/07/2015 1:25 PM	08/07/2015 4:23 PM
1508074-018	KSB-7:12	08/07/2015 1:30 PM	08/07/2015 4:23 PM
1508074-019	KSB-8:3	08/07/2015 1:50 PM	08/07/2015 4:23 PM
1508074-020	KSB-8:8	08/07/2015 2:00 PM	08/07/2015 4:23 PM
1508074-021	KSB-8:12	08/07/2015 2:05 PM	08/07/2015 4:23 PM
1508074-022	KSB-9:1.5	08/07/2015 2:25 PM	08/07/2015 4:23 PM
1508074-023	KSB-9:9	08/07/2015 2:30 PM	08/07/2015 4:23 PM
1508074-024	KSB-10:8	08/07/2015 2:50 PM	08/07/2015 4:23 PM
1508074-025	KSB-10:14	08/07/2015 3:00 PM	08/07/2015 4:23 PM
1508074-026	KSB-1:W	08/07/2015 9:45 AM	08/07/2015 4:23 PM
1508074-027	KSB-2:W	08/07/2015 10:35 AM	08/07/2015 4:23 PM
1508074-028	KSB-3:W	08/07/2015 11:30 AM	08/07/2015 4:23 PM
1508074-029	KSB-4:W	08/07/2015 12:00 PM	08/07/2015 4:23 PM
1508074-030	KSB-5:W	08/07/2015 12:45 PM	08/07/2015 4:23 PM
1508074-031	KSB-6:W	08/07/2015 1:15 PM	08/07/2015 4:23 PM
1508074-032	KSB-7:W	08/07/2015 1:40 PM	08/07/2015 4:23 PM
1508074-033	KSB-8:W	08/07/2015 2:15 PM	08/07/2015 4:23 PM
1508074-034	KSB-9:W	08/07/2015 2:40 PM	08/07/2015 4:23 PM
1508074-035	KSB-10:W	08/07/2015 3:10 PM	08/07/2015 4:23 PM

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

Case Narrative

WO#: **1508074**
Date: **8/17/2015**

CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

I. SAMPLE RECEIPT:
Samples receipt information is 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.

Qualifiers:

* - Flagged value is not within established control limits
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
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below LOQ
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 9:15:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-001
Matrix: Soil
Client Sample ID: KSB-1:6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	23.1		mg/Kg-dry	1	8/11/2015 1:11:00 AM
Heavy Oil	170	57.9		mg/Kg-dry	1	8/11/2015 1:11:00 AM
Surr: 2-Fluorobiphenyl	109	50-150		%REC	1	8/11/2015 1:11:00 AM
Surr: o-Terphenyl	106	50-150		%REC	1	8/11/2015 1:11:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	87.7	32.6	D	mg/Kg-dry	10	8/11/2015 9:57:00 AM
Surr: 4-Bromofluorobenzene	106	65-135		%REC	1	8/10/2015 10:15:00 PM
Surr: Toluene-d8	93.2	65-135		%REC	1	8/10/2015 10:15:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Vinyl chloride	0.0261	0.00130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
1,1-Dichloroethene	ND	0.0326		mg/Kg-dry	1	8/10/2015 10:15:00 PM
trans-1,2-Dichloroethene	0.0287	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
cis-1,2-Dichloroethene	1.09	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
Benzene	0.140	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
Trichloroethene (TCE)	ND	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
Toluene	0.175	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
Tetrachloroethene (PCE)	ND	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
Ethylbenzene	0.816	0.0196		mg/Kg-dry	1	8/10/2015 10:15:00 PM
m,p-Xylene	1.07	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
o-Xylene	0.425	0.0130		mg/Kg-dry	1	8/10/2015 10:15:00 PM
Surr: Dibromofluoromethane	95.9	63.7-129		%REC	1	8/10/2015 10:15:00 PM
Surr: Toluene-d8	100	64.3-131		%REC	1	8/10/2015 10:15:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.4	63.1-141		%REC	1	8/10/2015 10:15:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	14.8	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 9:20:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-002
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: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	8/11/2015 2:46:00 AM
Heavy Oil	ND	60.7		mg/Kg-dry	1	8/11/2015 2:46:00 AM
Surr: 2-Fluorobiphenyl	94.6	50-150		%REC	1	8/11/2015 2:46:00 AM
Surr: o-Terphenyl	94.9	50-150		%REC	1	8/11/2015 2:46:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.92		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	8/10/2015 10:43:00 PM
Surr: Toluene-d8	91.3	65-135		%REC	1	8/10/2015 10:43:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Vinyl chloride	ND	0.00117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
1,1-Dichloroethene	ND	0.0292		mg/Kg-dry	1	8/10/2015 10:43:00 PM
trans-1,2-Dichloroethene	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
cis-1,2-Dichloroethene	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Benzene	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Trichloroethene (TCE)	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Toluene	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Tetrachloroethene (PCE)	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Ethylbenzene	ND	0.0175		mg/Kg-dry	1	8/10/2015 10:43:00 PM
m,p-Xylene	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
o-Xylene	ND	0.0117		mg/Kg-dry	1	8/10/2015 10:43:00 PM
Surr: Dibromofluoromethane	99.1	63.7-129		%REC	1	8/10/2015 10:43:00 PM
Surr: Toluene-d8	96.6	64.3-131		%REC	1	8/10/2015 10:43:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	63.1-141		%REC	1	8/10/2015 10:43:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	19.8	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 10:15:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-005
Matrix: Soil
Client Sample ID: KSB-2:6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	22.8		mg/Kg-dry	1	8/11/2015 3:18:00 AM
Heavy Oil	343	56.9		mg/Kg-dry	1	8/11/2015 3:18:00 AM
Surr: 2-Fluorobiphenyl	95.0	50-150		%REC	1	8/11/2015 3:18:00 AM
Surr: o-Terphenyl	93.0	50-150		%REC	1	8/11/2015 3:18:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	149	33.9	D	mg/Kg-dry	10	8/11/2015 10:25:00 AM
Surr: 4-Bromofluorobenzene	101	65-135		%REC	1	8/10/2015 11:11:00 PM
Surr: Toluene-d8	88.7	65-135		%REC	1	8/10/2015 11:11:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Vinyl chloride	ND	0.00135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
1,1-Dichloroethene	ND	0.0339		mg/Kg-dry	1	8/10/2015 11:11:00 PM
trans-1,2-Dichloroethene	ND	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
cis-1,2-Dichloroethene	ND	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
Benzene	0.0427	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
Trichloroethene (TCE)	ND	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
Toluene	ND	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
Tetrachloroethene (PCE)	ND	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
Ethylbenzene	1.43	0.203	D	mg/Kg-dry	10	8/11/2015 10:25:00 AM
m,p-Xylene	1.55	0.135	D	mg/Kg-dry	10	8/11/2015 10:25:00 AM
o-Xylene	0.283	0.0135		mg/Kg-dry	1	8/10/2015 11:11:00 PM
Surr: Dibromofluoromethane	95.4	63.7-129		%REC	1	8/10/2015 11:11:00 PM
Surr: Toluene-d8	105	64.3-131		%REC	1	8/10/2015 11:11:00 PM
Surr: 1-Bromo-4-fluorobenzene	92.1	63.1-141		%REC	1	8/10/2015 11:11:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	16.2	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 10:20:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-006
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: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	26.0		mg/Kg-dry	1	8/11/2015 3:49:00 AM
Heavy Oil	ND	65.1		mg/Kg-dry	1	8/11/2015 3:49:00 AM
Surr: 2-Fluorobiphenyl	108	50-150		%REC	1	8/11/2015 3:49:00 AM
Surr: o-Terphenyl	101	50-150		%REC	1	8/11/2015 3:49:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	3.02		mg/Kg-dry	1	8/10/2015 11:39:00 PM
Surr: 4-Bromofluorobenzene	98.5	65-135		%REC	1	8/10/2015 11:39:00 PM
Surr: Toluene-d8	93.9	65-135		%REC	1	8/10/2015 11:39:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0121		mg/Kg-dry	1	8/10/2015 11:39:00 PM
Toluene	ND	0.0121		mg/Kg-dry	1	8/10/2015 11:39:00 PM
Ethylbenzene	ND	0.0181		mg/Kg-dry	1	8/10/2015 11:39:00 PM
m,p-Xylene	ND	0.0121		mg/Kg-dry	1	8/10/2015 11:39:00 PM
o-Xylene	ND	0.0121		mg/Kg-dry	1	8/10/2015 11:39:00 PM
Surr: Dibromofluoromethane	96.2	63.7-129		%REC	1	8/10/2015 11:39:00 PM
Surr: Toluene-d8	94.4	64.3-131		%REC	1	8/10/2015 11:39:00 PM
Surr: 1-Bromo-4-fluorobenzene	96.5	63.1-141		%REC	1	8/10/2015 11:39:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	23.4	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 11:00:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-008
Matrix: Soil
Client Sample ID: KSB-3:9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	22.3		mg/Kg-dry	1	8/11/2015 4:53:00 AM
Heavy Oil	ND	55.8		mg/Kg-dry	1	8/11/2015 4:53:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	8/11/2015 4:53:00 AM
Surr: o-Terphenyl	98.3	50-150		%REC	1	8/11/2015 4:53:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	3.29		mg/Kg-dry	1	8/11/2015 12:07:00 AM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	8/11/2015 12:07:00 AM
Surr: Toluene-d8	94.8	65-135		%REC	1	8/11/2015 12:07:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0132		mg/Kg-dry	1	8/11/2015 12:07:00 AM
Toluene	ND	0.0132		mg/Kg-dry	1	8/11/2015 12:07:00 AM
Ethylbenzene	ND	0.0197		mg/Kg-dry	1	8/11/2015 12:07:00 AM
m,p-Xylene	ND	0.0132		mg/Kg-dry	1	8/11/2015 12:07:00 AM
o-Xylene	ND	0.0132		mg/Kg-dry	1	8/11/2015 12:07:00 AM
Surr: Dibromofluoromethane	102	63.7-129		%REC	1	8/11/2015 12:07:00 AM
Surr: Toluene-d8	99.4	64.3-131		%REC	1	8/11/2015 12:07:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	63.1-141		%REC	1	8/11/2015 12:07:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	18.2	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 11:10:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-009
Matrix: Soil
Client Sample ID: KSB-3:14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	21.4		mg/Kg-dry	1	8/11/2015 5:24:00 AM
Heavy Oil	ND	53.5		mg/Kg-dry	1	8/11/2015 5:24:00 AM
Surr: 2-Fluorobiphenyl	107	50-150		%REC	1	8/11/2015 5:24:00 AM
Surr: o-Terphenyl	101	50-150		%REC	1	8/11/2015 5:24:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.80		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Surr: 4-Bromofluorobenzene	101	65-135		%REC	1	8/11/2015 12:35:00 AM
Surr: Toluene-d8	97.2	65-135		%REC	1	8/11/2015 12:35:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Vinyl chloride	ND	0.00112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
1,1-Dichloroethene	ND	0.0280		mg/Kg-dry	1	8/11/2015 12:35:00 AM
trans-1,2-Dichloroethene	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
cis-1,2-Dichloroethene	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Benzene	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Trichloroethene (TCE)	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Toluene	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Tetrachloroethene (PCE)	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Ethylbenzene	ND	0.0168		mg/Kg-dry	1	8/11/2015 12:35:00 AM
m,p-Xylene	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
o-Xylene	ND	0.0112		mg/Kg-dry	1	8/11/2015 12:35:00 AM
Surr: Dibromofluoromethane	96.2	63.7-129		%REC	1	8/11/2015 12:35:00 AM
Surr: Toluene-d8	99.0	64.3-131		%REC	1	8/11/2015 12:35:00 AM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%REC	1	8/11/2015 12:35:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	14.3	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 11:40:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-010
Matrix: Soil
Client Sample ID: KSB-4:9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	22.0		mg/Kg-dry	1	8/11/2015 5:56:00 AM
Heavy Oil	ND	55.0		mg/Kg-dry	1	8/11/2015 5:56:00 AM
Surr: 2-Fluorobiphenyl	115	50-150		%REC	1	8/11/2015 5:56:00 AM
Surr: o-Terphenyl	107	50-150		%REC	1	8/11/2015 5:56:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.59		mg/Kg-dry	1	8/11/2015 1:03:00 AM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	8/11/2015 1:03:00 AM
Surr: Toluene-d8	94.4	65-135		%REC	1	8/11/2015 1:03:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0104		mg/Kg-dry	1	8/11/2015 1:03:00 AM
Toluene	ND	0.0104		mg/Kg-dry	1	8/11/2015 1:03:00 AM
Ethylbenzene	ND	0.0156		mg/Kg-dry	1	8/11/2015 1:03:00 AM
m,p-Xylene	ND	0.0104		mg/Kg-dry	1	8/11/2015 1:03:00 AM
o-Xylene	ND	0.0104		mg/Kg-dry	1	8/11/2015 1:03:00 AM
Surr: Dibromofluoromethane	99.0	63.7-129		%REC	1	8/11/2015 1:03:00 AM
Surr: Toluene-d8	102	64.3-131		%REC	1	8/11/2015 1:03:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.3	63.1-141		%REC	1	8/11/2015 1:03:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	11.4	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 11:50:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-011
Matrix: Soil
Client Sample ID: **KSB-4:14**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	21.4		mg/Kg-dry	1	8/11/2015 6:27:00 AM
Heavy Oil	ND	53.4		mg/Kg-dry	1	8/11/2015 6:27:00 AM
Surr: 2-Fluorobiphenyl	106	50-150		%REC	1	8/11/2015 6:27:00 AM
Surr: o-Terphenyl	99.8	50-150		%REC	1	8/11/2015 6:27:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.58		mg/Kg-dry	1	8/11/2015 1:31:00 AM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	8/11/2015 1:31:00 AM
Surr: Toluene-d8	94.2	65-135		%REC	1	8/11/2015 1:31:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0103		mg/Kg-dry	1	8/11/2015 1:31:00 AM
Toluene	ND	0.0103		mg/Kg-dry	1	8/11/2015 1:31:00 AM
Ethylbenzene	ND	0.0155		mg/Kg-dry	1	8/11/2015 1:31:00 AM
m,p-Xylene	ND	0.0103		mg/Kg-dry	1	8/11/2015 1:31:00 AM
o-Xylene	ND	0.0103		mg/Kg-dry	1	8/11/2015 1:31:00 AM
Surr: Dibromofluoromethane	99.8	63.7-129		%REC	1	8/11/2015 1:31:00 AM
Surr: Toluene-d8	102	64.3-131		%REC	1	8/11/2015 1:31:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	63.1-141		%REC	1	8/11/2015 1:31:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	13.4	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 12:15:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-012
Matrix: Soil
Client Sample ID: KSB-5:5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	20.5		mg/Kg-dry	1	8/11/2015 6:59:00 AM
Heavy Oil	ND	51.3		mg/Kg-dry	1	8/11/2015 6:59:00 AM
Surr: 2-Fluorobiphenyl	123	50-150		%REC	1	8/11/2015 6:59:00 AM
Surr: o-Terphenyl	114	50-150		%REC	1	8/11/2015 6:59:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	3.03		mg/Kg-dry	1	8/11/2015 2:00:00 AM
Surr: 4-Bromofluorobenzene	102	65-135		%REC	1	8/11/2015 2:00:00 AM
Surr: Toluene-d8	96.5	65-135		%REC	1	8/11/2015 2:00:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0121		mg/Kg-dry	1	8/11/2015 2:00:00 AM
Toluene	ND	0.0121		mg/Kg-dry	1	8/11/2015 2:00:00 AM
Ethylbenzene	ND	0.0182		mg/Kg-dry	1	8/11/2015 2:00:00 AM
m,p-Xylene	ND	0.0121		mg/Kg-dry	1	8/11/2015 2:00:00 AM
o-Xylene	ND	0.0121		mg/Kg-dry	1	8/11/2015 2:00:00 AM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	8/11/2015 2:00:00 AM
Surr: Toluene-d8	103	64.3-131		%REC	1	8/11/2015 2:00:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%REC	1	8/11/2015 2:00:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	8.65	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 12:25:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-013
Matrix: Soil
Client Sample ID: KSB-5:14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	21.4		mg/Kg-dry	1	8/11/2015 7:30:00 AM
Heavy Oil	ND	53.5		mg/Kg-dry	1	8/11/2015 7:30:00 AM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	8/11/2015 7:30:00 AM
Surr: o-Terphenyl	97.2	50-150		%REC	1	8/11/2015 7:30:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.81		mg/Kg-dry	1	8/11/2015 2:28:00 AM
Surr: 4-Bromofluorobenzene	99.5	65-135		%REC	1	8/11/2015 2:28:00 AM
Surr: Toluene-d8	96.3	65-135		%REC	1	8/11/2015 2:28:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0112		mg/Kg-dry	1	8/11/2015 2:28:00 AM
Toluene	ND	0.0112		mg/Kg-dry	1	8/11/2015 2:28:00 AM
Ethylbenzene	ND	0.0168		mg/Kg-dry	1	8/11/2015 2:28:00 AM
m,p-Xylene	ND	0.0112		mg/Kg-dry	1	8/11/2015 2:28:00 AM
o-Xylene	ND	0.0112		mg/Kg-dry	1	8/11/2015 2:28:00 AM
Surr: Dibromofluoromethane	98.4	63.7-129		%REC	1	8/11/2015 2:28:00 AM
Surr: Toluene-d8	102	64.3-131		%REC	1	8/11/2015 2:28:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.0	63.1-141		%REC	1	8/11/2015 2:28:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	13.5	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 12:55:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-014
Matrix: Soil
Client Sample ID: KSB-6:8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	26.9		mg/Kg-dry	1	8/11/2015 9:05:00 AM
Heavy Oil	ND	67.2		mg/Kg-dry	1	8/11/2015 9:05:00 AM
Surr: 2-Fluorobiphenyl	104	50-150		%REC	1	8/11/2015 9:05:00 AM
Surr: o-Terphenyl	97.5	50-150		%REC	1	8/11/2015 9:05:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	3.95		mg/Kg-dry	1	8/11/2015 2:56:00 AM
Surr: 4-Bromofluorobenzene	96.4	65-135		%REC	1	8/11/2015 2:56:00 AM
Surr: Toluene-d8	96.0	65-135		%REC	1	8/11/2015 2:56:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.0158		mg/Kg-dry	1	8/11/2015 2:56:00 AM
Toluene	ND	0.0158		mg/Kg-dry	1	8/11/2015 2:56:00 AM
Ethylbenzene	ND	0.0237		mg/Kg-dry	1	8/11/2015 2:56:00 AM
m,p-Xylene	0.0699	0.0158		mg/Kg-dry	1	8/11/2015 2:56:00 AM
o-Xylene	ND	0.0158		mg/Kg-dry	1	8/11/2015 2:56:00 AM
Surr: Dibromofluoromethane	101	63.7-129		%REC	1	8/11/2015 2:56:00 AM
Surr: Toluene-d8	105	64.3-131		%REC	1	8/11/2015 2:56:00 AM
Surr: 1-Bromo-4-fluorobenzene	94.5	63.1-141		%REC	1	8/11/2015 2:56:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	29.9	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 1:05:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-015
Matrix: Soil
Client Sample ID: **KSB-6:14**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	21.9		mg/Kg-dry	1	8/11/2015 9:37:00 AM
Heavy Oil	ND	54.6		mg/Kg-dry	1	8/11/2015 9:37:00 AM
Surr: 2-Fluorobiphenyl	73.3	50-150		%REC	1	8/11/2015 9:37:00 AM
Surr: o-Terphenyl	73.0	50-150		%REC	1	8/11/2015 9:37:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.56		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	8/11/2015 3:24:00 AM
Surr: Toluene-d8	99.3	65-135		%REC	1	8/11/2015 3:24:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Vinyl chloride	ND	0.00102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
1,1-Dichloroethene	ND	0.0256		mg/Kg-dry	1	8/11/2015 3:24:00 AM
trans-1,2-Dichloroethene	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
cis-1,2-Dichloroethene	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Benzene	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Trichloroethene (TCE)	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Toluene	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Tetrachloroethene (PCE)	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Ethylbenzene	ND	0.0154		mg/Kg-dry	1	8/11/2015 3:24:00 AM
m,p-Xylene	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
o-Xylene	ND	0.0102		mg/Kg-dry	1	8/11/2015 3:24:00 AM
Surr: Dibromofluoromethane	98.6	63.7-129		%REC	1	8/11/2015 3:24:00 AM
Surr: Toluene-d8	105	64.3-131		%REC	1	8/11/2015 3:24:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.7	63.1-141		%REC	1	8/11/2015 3:24:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	15.9	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 1:20:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-016
Matrix: Soil
Client Sample ID: KSB-7:3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	21.5		mg/Kg-dry	1	8/11/2015 10:41:00 AM
Heavy Oil	ND	53.7		mg/Kg-dry	1	8/11/2015 10:41:00 AM
Surr: 2-Fluorobiphenyl	113	50-150		%REC	1	8/11/2015 10:41:00 AM
Surr: o-Terphenyl	106	50-150		%REC	1	8/11/2015 10:41:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.41		mg/Kg-dry	1	8/11/2015 3:52:00 AM
Surr: 4-Bromofluorobenzene	96.9	65-135		%REC	1	8/11/2015 3:52:00 AM
Surr: Toluene-d8	95.8	65-135		%REC	1	8/11/2015 3:52:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.00965		mg/Kg-dry	1	8/11/2015 3:52:00 AM
Toluene	ND	0.00965		mg/Kg-dry	1	8/11/2015 3:52:00 AM
Ethylbenzene	ND	0.0145		mg/Kg-dry	1	8/11/2015 3:52:00 AM
m,p-Xylene	ND	0.00965		mg/Kg-dry	1	8/11/2015 3:52:00 AM
o-Xylene	ND	0.00965		mg/Kg-dry	1	8/11/2015 3:52:00 AM
Surr: Dibromofluoromethane	102	63.7-129		%REC	1	8/11/2015 3:52:00 AM
Surr: Toluene-d8	104	64.3-131		%REC	1	8/11/2015 3:52:00 AM
Surr: 1-Bromo-4-fluorobenzene	95.1	63.1-141		%REC	1	8/11/2015 3:52:00 AM
Total Metals by EPA Method 6020				Batch ID: 11563		Analyst: TN
Lead	3.79	0.178		mg/Kg-dry	1	8/11/2015 4:30:34 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	10.1	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 1:25:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-017
Matrix: Soil
Client Sample ID: KSB-7:8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11548		Analyst: EC
Diesel (Fuel Oil)	ND	21.5		mg/Kg-dry	1	8/11/2015 11:12:00 AM
Heavy Oil	ND	53.7		mg/Kg-dry	1	8/11/2015 11:12:00 AM
Surr: 2-Fluorobiphenyl	106	50-150		%REC	1	8/11/2015 11:12:00 AM
Surr: o-Terphenyl	96.9	50-150		%REC	1	8/11/2015 11:12:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	658	246	D	mg/Kg-dry	100	8/12/2015 9:04:00 AM
Surr: 4-Bromofluorobenzene	101	65-135		%REC	1	8/11/2015 4:20:00 AM
Surr: Toluene-d8	80.8	65-135		%REC	1	8/11/2015 4:20:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.00985		mg/Kg-dry	1	8/11/2015 4:20:00 AM
Toluene	ND	0.00985		mg/Kg-dry	1	8/11/2015 4:20:00 AM
Ethylbenzene	0.0332	0.0148		mg/Kg-dry	1	8/11/2015 4:20:00 AM
m,p-Xylene	0.0305	0.00985		mg/Kg-dry	1	8/11/2015 4:20:00 AM
o-Xylene	ND	0.00985		mg/Kg-dry	1	8/11/2015 4:20:00 AM
Surr: Dibromofluoromethane	100	63.7-129		%REC	1	8/11/2015 4:20:00 AM
Surr: Toluene-d8	113	64.3-131		%REC	1	8/11/2015 4:20:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%REC	1	8/11/2015 4:20:00 AM
Total Metals by EPA Method 6020				Batch ID: 11563		Analyst: TN
Lead	10.9	0.191		mg/Kg-dry	1	8/11/2015 4:51:45 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	13.4	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 1:50:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-019
Matrix: Soil
Client Sample ID: KSB-8:3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11551		Analyst: EC
Diesel (Fuel Oil)	ND	22.7		mg/Kg-dry	1	8/10/2015 11:04:00 PM
Heavy Oil	ND	56.8		mg/Kg-dry	1	8/10/2015 11:04:00 PM
Surr: 2-Fluorobiphenyl	97.3	50-150		%REC	1	8/10/2015 11:04:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	8/10/2015 11:04:00 PM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	1,220	233	D	mg/Kg-dry	100	8/11/2015 10:53:00 AM
Surr: 4-Bromofluorobenzene	115	65-135		%REC	1	8/11/2015 6:12:00 AM
Surr: Toluene-d8	119	65-135		%REC	1	8/11/2015 6:12:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Vinyl chloride	ND	0.000931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
1,1-Dichloroethene	ND	0.0233		mg/Kg-dry	1	8/11/2015 6:12:00 AM
trans-1,2-Dichloroethene	ND	0.00931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
cis-1,2-Dichloroethene	ND	0.00931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
Benzene	0.0258	0.00931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
Trichloroethene (TCE)	ND	0.00931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
Toluene	0.185	0.00931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
Tetrachloroethene (PCE)	ND	0.00931		mg/Kg-dry	1	8/11/2015 6:12:00 AM
Ethylbenzene	6.56	1.40	D	mg/Kg-dry	100	8/11/2015 10:53:00 AM
m,p-Xylene	33.6	0.931	D	mg/Kg-dry	100	8/11/2015 10:53:00 AM
o-Xylene	4.51	0.931	D	mg/Kg-dry	100	8/11/2015 10:53:00 AM
Surr: Dibromofluoromethane	89.6	63.7-129		%REC	1	8/11/2015 6:12:00 AM
Surr: Toluene-d8	99.2	64.3-131	D	%REC	100	8/11/2015 10:53:00 AM
Surr: 1-Bromo-4-fluorobenzene	85.7	63.1-141		%REC	1	8/11/2015 6:12:00 AM
Total Metals by EPA Method 6020				Batch ID: 11563		Analyst: TN
Lead	293	0.183		mg/Kg-dry	1	8/11/2015 4:55:17 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	14.7	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 2:00:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-020
Matrix: Soil
Client Sample ID: **KSB-8:8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11551		Analyst: EC
Diesel (Fuel Oil)	ND	22.5		mg/Kg-dry	1	8/11/2015 12:11:00 AM
Heavy Oil	ND	56.3		mg/Kg-dry	1	8/11/2015 12:11:00 AM
Surr: 2-Fluorobiphenyl	106	50-150		%REC	1	8/11/2015 12:11:00 AM
Surr: o-Terphenyl	110	50-150		%REC	1	8/11/2015 12:11:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	50.2	2.26		mg/Kg-dry	1	8/11/2015 4:48:00 AM
Surr: 4-Bromofluorobenzene	98.4	65-135		%REC	1	8/11/2015 4:48:00 AM
Surr: Toluene-d8	91.6	65-135		%REC	1	8/11/2015 4:48:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.00902		mg/Kg-dry	1	8/11/2015 4:48:00 AM
Toluene	ND	0.00902		mg/Kg-dry	1	8/11/2015 4:48:00 AM
Ethylbenzene	0.145	0.0135		mg/Kg-dry	1	8/11/2015 4:48:00 AM
m,p-Xylene	0.0756	0.00902		mg/Kg-dry	1	8/11/2015 4:48:00 AM
o-Xylene	ND	0.00902		mg/Kg-dry	1	8/11/2015 4:48:00 AM
Surr: Dibromofluoromethane	97.6	63.7-129		%REC	1	8/11/2015 4:48:00 AM
Surr: Toluene-d8	97.5	64.3-131		%REC	1	8/11/2015 4:48:00 AM
Surr: 1-Bromo-4-fluorobenzene	97.0	63.1-141		%REC	1	8/11/2015 4:48:00 AM
Total Metals by EPA Method 6020				Batch ID: 11563		Analyst: TN
Lead	7.39	0.186		mg/Kg-dry	1	8/11/2015 4:58:48 PM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	15.3	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 2:25:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-022
Matrix: Soil
Client Sample ID: **KSB-9:1.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11551		Analyst: EC
Diesel (Fuel Oil)	ND	22.5		mg/Kg-dry	1	8/11/2015 12:44:00 AM
Heavy Oil	65.4	56.3		mg/Kg-dry	1	8/11/2015 12:44:00 AM
Surr: 2-Fluorobiphenyl	73.4	50-150		%REC	1	8/11/2015 12:44:00 AM
Surr: o-Terphenyl	75.5	50-150		%REC	1	8/11/2015 12:44:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11557		Analyst: BC
Gasoline	ND	2.31		mg/Kg-dry	1	8/11/2015 5:16:00 AM
Surr: 4-Bromofluorobenzene	95.8	65-135		%REC	1	8/11/2015 5:16:00 AM
Surr: Toluene-d8	96.0	65-135		%REC	1	8/11/2015 5:16:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11557		Analyst: BC
Benzene	ND	0.00923		mg/Kg-dry	1	8/11/2015 5:16:00 AM
Toluene	ND	0.00923		mg/Kg-dry	1	8/11/2015 5:16:00 AM
Ethylbenzene	ND	0.0138		mg/Kg-dry	1	8/11/2015 5:16:00 AM
m,p-Xylene	ND	0.00923		mg/Kg-dry	1	8/11/2015 5:16:00 AM
o-Xylene	ND	0.00923		mg/Kg-dry	1	8/11/2015 5:16:00 AM
Surr: Dibromofluoromethane	95.3	63.7-129		%REC	1	8/11/2015 5:16:00 AM
Surr: Toluene-d8	98.5	64.3-131		%REC	1	8/11/2015 5:16:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.6	63.1-141		%REC	1	8/11/2015 5:16:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	11.3	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 2:30:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-023
Matrix: Soil
Client Sample ID: **KSB-9:9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11551		Analyst: EC
Diesel (Fuel Oil)	ND	22.8		mg/Kg-dry	1	8/11/2015 1:18:00 AM
Heavy Oil	ND	57.1		mg/Kg-dry	1	8/11/2015 1:18:00 AM
Surr: 2-Fluorobiphenyl	90.7	50-150		%REC	1	8/11/2015 1:18:00 AM
Surr: o-Terphenyl	91.3	50-150		%REC	1	8/11/2015 1:18:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11569		Analyst: BC
Gasoline	ND	2.75		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Surr: 4-Bromofluorobenzene	100	65-135		%REC	1	8/12/2015 2:37:00 AM
Surr: Toluene-d8	103	65-135		%REC	1	8/12/2015 2:37:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11569		Analyst: BC
Vinyl chloride	ND	0.00110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
1,1-Dichloroethene	ND	0.0275		mg/Kg-dry	1	8/12/2015 2:37:00 AM
trans-1,2-Dichloroethene	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
cis-1,2-Dichloroethene	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Benzene	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Trichloroethene (TCE)	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Toluene	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Tetrachloroethene (PCE)	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Ethylbenzene	ND	0.0165		mg/Kg-dry	1	8/12/2015 2:37:00 AM
m,p-Xylene	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
o-Xylene	ND	0.0110		mg/Kg-dry	1	8/12/2015 2:37:00 AM
Surr: Dibromofluoromethane	91.9	63.7-129		%REC	1	8/12/2015 2:37:00 AM
Surr: Toluene-d8	97.8	64.3-131		%REC	1	8/12/2015 2:37:00 AM
Surr: 1-Bromo-4-fluorobenzene	95.7	63.1-141		%REC	1	8/12/2015 2:37:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	17.7	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 2:50:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-024
Matrix: Soil
Client Sample ID: KSB-10:8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11551		Analyst: EC
Diesel (Fuel Oil)	ND	26.1		mg/Kg-dry	1	8/11/2015 1:51:00 AM
Heavy Oil	ND	65.2		mg/Kg-dry	1	8/11/2015 1:51:00 AM
Surr: 2-Fluorobiphenyl	92.5	50-150		%REC	1	8/11/2015 1:51:00 AM
Surr: o-Terphenyl	93.1	50-150		%REC	1	8/11/2015 1:51:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11569		Analyst: BC
Gasoline	77.5	35.0	D	mg/Kg-dry	10	8/12/2015 3:33:00 PM
Surr: 4-Bromofluorobenzene	94.6	65-135		%REC	1	8/12/2015 4:31:00 AM
Surr: Toluene-d8	100	65-135		%REC	1	8/12/2015 4:31:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11569		Analyst: BC
Vinyl chloride	ND	0.00140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
1,1-Dichloroethene	ND	0.0350		mg/Kg-dry	1	8/12/2015 4:31:00 AM
trans-1,2-Dichloroethene	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
cis-1,2-Dichloroethene	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
Benzene	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
Trichloroethene (TCE)	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
Toluene	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
Tetrachloroethene (PCE)	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
Ethylbenzene	ND	0.0210		mg/Kg-dry	1	8/12/2015 4:31:00 AM
m,p-Xylene	0.0310	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
o-Xylene	ND	0.0140		mg/Kg-dry	1	8/12/2015 4:31:00 AM
Surr: Dibromofluoromethane	85.7	63.7-129		%REC	1	8/12/2015 4:31:00 AM
Surr: Toluene-d8	96.4	64.3-131		%REC	1	8/12/2015 4:31:00 AM
Surr: 1-Bromo-4-fluorobenzene	89.3	63.1-141		%REC	1	8/12/2015 4:31:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	26.9	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 3:00:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-025
Matrix: Soil
Client Sample ID: KSB-10:14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11551		Analyst: EC
Diesel (Fuel Oil)	ND	21.1		mg/Kg-dry	1	8/11/2015 2:24:00 AM
Heavy Oil	ND	52.8		mg/Kg-dry	1	8/11/2015 2:24:00 AM
Surr: 2-Fluorobiphenyl	96.0	50-150		%REC	1	8/11/2015 2:24:00 AM
Surr: o-Terphenyl	95.3	50-150		%REC	1	8/11/2015 2:24:00 AM
Gasoline by NWTPH-Gx				Batch ID: 11569		Analyst: BC
Gasoline	ND	2.83		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Surr: 4-Bromofluorobenzene	102	65-135		%REC	1	8/12/2015 5:00:00 AM
Surr: Toluene-d8	102	65-135		%REC	1	8/12/2015 5:00:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: 11569		Analyst: BC
Vinyl chloride	ND	0.00113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
1,1-Dichloroethene	ND	0.0283		mg/Kg-dry	1	8/12/2015 5:00:00 AM
trans-1,2-Dichloroethene	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
cis-1,2-Dichloroethene	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Benzene	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Trichloroethene (TCE)	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Toluene	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Tetrachloroethene (PCE)	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Ethylbenzene	ND	0.0170		mg/Kg-dry	1	8/12/2015 5:00:00 AM
m,p-Xylene	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
o-Xylene	ND	0.0113		mg/Kg-dry	1	8/12/2015 5:00:00 AM
Surr: Dibromofluoromethane	83.4	63.7-129		%REC	1	8/12/2015 5:00:00 AM
Surr: Toluene-d8	98.5	64.3-131		%REC	1	8/12/2015 5:00:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	63.1-141		%REC	1	8/12/2015 5:00:00 AM
Sample Moisture (Percent Moisture)				Batch ID: R24102		Analyst: SL
Percent Moisture	11.6	0.500		wt%	1	8/10/2015 1:21:58 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 9:45:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-026
Matrix: Water
Client Sample ID: KSB-1:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	8/13/2015 7:02:00 PM
Heavy Oil	68,100	10,000	D	µg/L	100	8/14/2015 10:27:00 AM
Surr: 2-Fluorobiphenyl	105	50-150		%REC	1	8/13/2015 7:02:00 PM
Surr: o-Terphenyl	87.3	50-150		%REC	1	8/13/2015 7:02:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	369	50.0		µg/L	1	8/13/2015 10:20:00 AM
Surr: Toluene-d8	93.7	65-135		%REC	1	8/12/2015 2:54:00 AM
Surr: 4-Bromofluorobenzene	99.4	65-135		%REC	1	8/12/2015 2:54:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Chloromethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Vinyl chloride	11.3	0.200		µg/L	1	8/12/2015 2:54:00 AM
Bromomethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Chloroethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Methylene chloride	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/12/2015 2:54:00 AM
cis-1,2-Dichloroethene	1.89	1.00		µg/L	1	8/12/2015 2:54:00 AM
Chloroform	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Benzene	1.33	1.00		µg/L	1	8/12/2015 2:54:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 2:54:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Dibromomethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.

Collection Date: 8/7/2015 9:45:00 AM

Project: 1110 MLK Jr. Way - 68903

Lab ID: 1508074-026

Matrix: Water

Client Sample ID: KSB-1:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/12/2015 2:54:00 AM
Chlorobenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Ethylbenzene	1.31	1.00		µg/L	1	8/12/2015 2:54:00 AM
m,p-Xylene	2.57	1.00		µg/L	1	8/12/2015 2:54:00 AM
o-Xylene	1.72	1.00		µg/L	1	8/12/2015 2:54:00 AM
Styrene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
Isopropylbenzene	1.14	1.00		µg/L	1	8/12/2015 2:54:00 AM
Bromoform	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
n-Propylbenzene	3.74	1.00		µg/L	1	8/12/2015 2:54:00 AM
Bromobenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/12/2015 2:54:00 AM
sec-Butylbenzene	2.21	1.00		µg/L	1	8/12/2015 2:54:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
n-Butylbenzene	3.42	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2,4-Trimethylbenzene	3.36	1.00		µg/L	1	8/12/2015 2:54:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/12/2015 2:54:00 AM
Naphthalene	ND	1.00		µg/L	1	8/12/2015 2:54:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	8/12/2015 2:54:00 AM
Surr: Dibromofluoromethane	102	45.4-152		%REC	1	8/12/2015 2:54:00 AM
Surr: Toluene-d8	108	40.1-139		%REC	1	8/12/2015 2:54:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	64.2-128		%REC	1	8/12/2015 2:54:00 AM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 10:35:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-027
Matrix: Water
Client Sample ID: KSB-2:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	8/13/2015 7:35:00 PM
Diesel Range Organics (C12-C24)	536	50.0		µg/L	1	8/13/2015 7:35:00 PM
Heavy Oil	2,230	99.9		µg/L	1	8/13/2015 7:35:00 PM
Surr: 2-Fluorobiphenyl	98.7	50-150		%REC	1	8/13/2015 7:35:00 PM
Surr: o-Terphenyl	97.2	50-150		%REC	1	8/13/2015 7:35:00 PM
NOTES: DRO - Indicates the presence of unresolved compounds eluting from dodecane through tetracosane (C12-C24).						
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	1,960	50.0		µg/L	1	8/12/2015 3:22:00 AM
Surr: Toluene-d8	95.0	65-135		%REC	1	8/12/2015 3:22:00 AM
Surr: 4-Bromofluorobenzene	98.6	65-135		%REC	1	8/12/2015 3:22:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Chloromethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 3:22:00 AM
Bromomethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Chloroethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Methylene chloride	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/12/2015 3:22:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Chloroform	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Benzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 3:22:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Dibromomethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 10:35:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-027
Matrix: Water
Client Sample ID: **KSB-2:W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/12/2015 3:22:00 AM
Chlorobenzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Ethylbenzene	22.7	1.00		µg/L	1	8/12/2015 3:22:00 AM
m,p-Xylene	27.4	1.00		µg/L	1	8/12/2015 3:22:00 AM
o-Xylene	1.65	1.00		µg/L	1	8/12/2015 3:22:00 AM
Styrene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
Isopropylbenzene	3.64	1.00		µg/L	1	8/12/2015 3:22:00 AM
Bromoform	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
n-Propylbenzene	13.4	1.00		µg/L	1	8/12/2015 3:22:00 AM
Bromobenzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
tert-Butylbenzene	24.0	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/12/2015 3:22:00 AM
sec-Butylbenzene	2.58	1.00		µg/L	1	8/12/2015 3:22:00 AM
4-Isopropyltoluene	3.61	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
n-Butylbenzene	7.43	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/12/2015 3:22:00 AM
1,2,4-Trimethylbenzene	170	10.0	D	µg/L	10	8/12/2015 2:36:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/12/2015 3:22:00 AM
Naphthalene	75.3	10.0	D	µg/L	10	8/12/2015 2:36:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	8/12/2015 3:22:00 AM
Surr: Dibromofluoromethane	99.6	45.4-152		%REC	1	8/12/2015 3:22:00 AM
Surr: Toluene-d8	103	40.1-139		%REC	1	8/12/2015 3:22:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	64.2-128		%REC	1	8/12/2015 3:22:00 AM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 11:30:00 AM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-028
Matrix: Water
Client Sample ID: KSB-3:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	49.9		µg/L	1	8/13/2015 8:07:00 PM
Heavy Oil	ND	99.8		µg/L	1	8/13/2015 8:07:00 PM
Surr: 2-Fluorobiphenyl	84.6	50-150		%REC	1	8/13/2015 8:07:00 PM
Surr: o-Terphenyl	87.2	50-150		%REC	1	8/13/2015 8:07:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/12/2015 3:50:00 AM
Surr: 4-Bromofluorobenzene	93.2	65-135		%REC	1	8/12/2015 3:50:00 AM
Surr: Toluene-d8	94.3	65-135		%REC	1	8/12/2015 3:50:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 3:50:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
Benzene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 3:50:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
Ethylbenzene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
m,p-Xylene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
o-Xylene	ND	1.00		µg/L	1	8/12/2015 3:50:00 AM
Surr: Dibromofluoromethane	101	45.4-152		%REC	1	8/12/2015 3:50:00 AM
Surr: Toluene-d8	101	40.1-139		%REC	1	8/12/2015 3:50:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	64.2-128		%REC	1	8/12/2015 3:50:00 AM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.

Collection Date: 8/7/2015 12:00:00 PM

Project: 1110 MLK Jr. Way - 68903

Lab ID: 1508074-029

Matrix: Water

Client Sample ID: KSB-4:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	8/13/2015 8:40:00 PM
Heavy Oil	ND	100		µg/L	1	8/13/2015 8:40:00 PM
Surr: 2-Fluorobiphenyl	83.9	50-150		%REC	1	8/13/2015 8:40:00 PM
Surr: o-Terphenyl	89.7	50-150		%REC	1	8/13/2015 8:40:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/12/2015 4:18:00 AM
Surr: 4-Bromofluorobenzene	90.1	65-135		%REC	1	8/12/2015 4:18:00 AM
Surr: Toluene-d8	93.0	65-135		%REC	1	8/12/2015 4:18:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 4:18:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
Benzene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 4:18:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
Ethylbenzene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
m,p-Xylene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
o-Xylene	ND	1.00		µg/L	1	8/12/2015 4:18:00 AM
Surr: Dibromofluoromethane	103	45.4-152		%REC	1	8/12/2015 4:18:00 AM
Surr: Toluene-d8	105	40.1-139		%REC	1	8/12/2015 4:18:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.4	64.2-128		%REC	1	8/12/2015 4:18:00 AM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.

Collection Date: 8/7/2015 12:45:00 PM

Project: 1110 MLK Jr. Way - 68903

Lab ID: 1508074-030

Matrix: Water

Client Sample ID: KSB-5:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	8/13/2015 9:12:00 PM
Heavy Oil	ND	99.9		µg/L	1	8/13/2015 9:12:00 PM
Surr: 2-Fluorobiphenyl	74.1	50-150		%REC	1	8/13/2015 9:12:00 PM
Surr: o-Terphenyl	76.5	50-150		%REC	1	8/13/2015 9:12:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	334	50.0		µg/L	1	8/12/2015 4:47:00 AM
Surr: 4-Bromofluorobenzene	95.8	65-135		%REC	1	8/12/2015 4:47:00 AM
Surr: Toluene-d8	95.3	65-135		%REC	1	8/12/2015 4:47:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 4:47:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
Benzene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 4:47:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
Ethylbenzene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
m,p-Xylene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
o-Xylene	ND	1.00		µg/L	1	8/12/2015 4:47:00 AM
Surr: Dibromofluoromethane	102	45.4-152		%REC	1	8/12/2015 4:47:00 AM
Surr: Toluene-d8	108	40.1-139		%REC	1	8/12/2015 4:47:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	64.2-128		%REC	1	8/12/2015 4:47:00 AM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 1:15:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-031
Matrix: Water
Client Sample ID: KSB-6:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	8/13/2015 9:45:00 PM
Heavy Oil	ND	99.9		µg/L	1	8/13/2015 9:45:00 PM
Surr: 2-Fluorobiphenyl	87.7	50-150		%REC	1	8/13/2015 9:45:00 PM
Surr: o-Terphenyl	88.1	50-150		%REC	1	8/13/2015 9:45:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/12/2015 5:15:00 AM
Surr: 4-Bromofluorobenzene	95.5	65-135		%REC	1	8/12/2015 5:15:00 AM
Surr: Toluene-d8	96.2	65-135		%REC	1	8/12/2015 5:15:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 5:15:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
Benzene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 5:15:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
Ethylbenzene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
m,p-Xylene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
o-Xylene	ND	1.00		µg/L	1	8/12/2015 5:15:00 AM
Surr: Dibromofluoromethane	104	45.4-152		%REC	1	8/12/2015 5:15:00 AM
Surr: Toluene-d8	110	40.1-139		%REC	1	8/12/2015 5:15:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.8	64.2-128		%REC	1	8/12/2015 5:15:00 AM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 1:40:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-032
Matrix: Water
Client Sample ID: KSB-7:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	49.9		µg/L	1	8/13/2015 10:17:00 PM
Heavy Oil	ND	99.8		µg/L	1	8/13/2015 10:17:00 PM
Surr: 2-Fluorobiphenyl	84.2	50-150		%REC	1	8/13/2015 10:17:00 PM
Surr: o-Terphenyl	71.9	50-150		%REC	1	8/13/2015 10:17:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	345	50.0		µg/L	1	8/12/2015 5:43:00 AM
Surr: 4-Bromofluorobenzene	95.5	65-135		%REC	1	8/12/2015 5:43:00 AM
Surr: Toluene-d8	95.8	65-135		%REC	1	8/12/2015 5:43:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 5:43:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
Benzene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 5:43:00 AM
Toluene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
Ethylbenzene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
m,p-Xylene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
o-Xylene	ND	1.00		µg/L	1	8/12/2015 5:43:00 AM
Surr: Dibromofluoromethane	110	45.4-152		%REC	1	8/12/2015 5:43:00 AM
Surr: Toluene-d8	113	40.1-139		%REC	1	8/12/2015 5:43:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.7	64.2-128		%REC	1	8/12/2015 5:43:00 AM
Dissolved Metals by EPA Method 200.8				Batch ID: 11559		Analyst: TN
Lead	ND	1.00		µg/L	1	8/11/2015 2:17:20 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 2:15:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-033
Matrix: Water
Client Sample ID: KSB-8:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	49.9		µg/L	1	8/13/2015 10:49:00 PM
Heavy Oil	ND	99.8		µg/L	1	8/13/2015 10:49:00 PM
Surr: 2-Fluorobiphenyl	75.5	50-150		%REC	1	8/13/2015 10:49:00 PM
Surr: o-Terphenyl	55.3	50-150		%REC	1	8/13/2015 10:49:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24158		Analyst: BC
Gasoline	1,360	50.0		µg/L	1	8/12/2015 6:39:00 AM
Surr: 4-Bromofluorobenzene	98.5	65-135		%REC	1	8/12/2015 6:39:00 AM
Surr: Toluene-d8	98.1	65-135		%REC	1	8/12/2015 6:39:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24156		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/12/2015 6:39:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 6:39:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 6:39:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/12/2015 6:39:00 AM
Benzene	1.72	1.00		µg/L	1	8/12/2015 6:39:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/12/2015 6:39:00 AM
Toluene	2.36	1.00		µg/L	1	8/12/2015 6:39:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/12/2015 6:39:00 AM
Ethylbenzene	29.6	1.00		µg/L	1	8/12/2015 6:39:00 AM
m,p-Xylene	48.0	1.00		µg/L	1	8/12/2015 6:39:00 AM
o-Xylene	7.37	1.00		µg/L	1	8/12/2015 6:39:00 AM
Surr: Dibromofluoromethane	102	45.4-152		%REC	1	8/12/2015 6:39:00 AM
Surr: Toluene-d8	110	40.1-139		%REC	1	8/12/2015 6:39:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	64.2-128		%REC	1	8/12/2015 6:39:00 AM
Dissolved Metals by EPA Method 200.8				Batch ID: 11559		Analyst: TN
Lead	ND	1.00		µg/L	1	8/11/2015 2:20:52 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.

Collection Date: 8/7/2015 2:40:00 PM

Project: 1110 MLK Jr. Way - 68903

Lab ID: 1508074-034

Matrix: Water

Client Sample ID: KSB-9:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	49.9		µg/L	1	8/13/2015 11:21:00 PM
Heavy Oil	ND	99.9		µg/L	1	8/13/2015 11:21:00 PM
Surr: 2-Fluorobiphenyl	75.9	50-150		%REC	1	8/13/2015 11:21:00 PM
Surr: o-Terphenyl	74.5	50-150		%REC	1	8/13/2015 11:21:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24201		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/13/2015 10:04:00 PM
Surr: 4-Bromofluorobenzene	97.7	65-135		%REC	1	8/13/2015 10:04:00 PM
Surr: Toluene-d8	92.1	65-135		%REC	1	8/13/2015 10:04:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24200		Analyst: BC
Vinyl chloride	ND	0.200		µg/L	1	8/13/2015 10:04:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
Benzene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/13/2015 10:04:00 PM
Toluene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
m,p-Xylene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
o-Xylene	ND	1.00		µg/L	1	8/13/2015 10:04:00 PM
Surr: Dibromofluoromethane	98.6	45.4-152		%REC	1	8/13/2015 10:04:00 PM
Surr: Toluene-d8	98.4	40.1-139		%REC	1	8/13/2015 10:04:00 PM
Surr: 1-Bromo-4-fluorobenzene	99.8	64.2-128		%REC	1	8/13/2015 10:04:00 PM

Analytical Report

WO#: **1508074**
Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 3:10:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-035
Matrix: Water
Client Sample ID: KSB-10:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 11570		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	8/13/2015 11:53:00 PM
Heavy Oil	ND	99.9		µg/L	1	8/13/2015 11:53:00 PM
Surr: 2-Fluorobiphenyl	73.7	50-150		%REC	1	8/13/2015 11:53:00 PM
Surr: o-Terphenyl	71.6	50-150		%REC	1	8/13/2015 11:53:00 PM
Gasoline by NWTPH-Gx				Batch ID: R24201		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/13/2015 10:32:00 PM
Surr: Toluene-d8	91.5	65-135		%REC	1	8/13/2015 10:32:00 PM
Surr: 4-Bromofluorobenzene	97.0	65-135		%REC	1	8/13/2015 10:32:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24200		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Chloromethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Vinyl chloride	ND	0.200		µg/L	1	8/13/2015 10:32:00 PM
Bromomethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Chloroethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Methylene chloride	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/13/2015 10:32:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Chloroform	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Benzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/13/2015 10:32:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Toluene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM

Analytical Report

WO#: **1508074**

Date Reported: **8/17/2015**

Client: Kane Environmental, Inc.
Collection Date: 8/7/2015 3:10:00 PM
Project: 1110 MLK Jr. Way - 68903
Lab ID: 1508074-035
Matrix: Water
Client Sample ID: KSB-10:W

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R24200		Analyst: BC
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/13/2015 10:32:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
m,p-Xylene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
o-Xylene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Styrene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Bromoform	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/13/2015 10:32:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/13/2015 10:32:00 PM
Naphthalene	ND	1.00		µg/L	1	8/13/2015 10:32:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	8/13/2015 10:32:00 PM
Surr: Dibromofluoromethane	97.5	45.4-152		%REC	1	8/13/2015 10:32:00 PM
Surr: Toluene-d8	102	40.1-139		%REC	1	8/13/2015 10:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.2	64.2-128		%REC	1	8/13/2015 10:32:00 PM

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **MB-11556FB**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/11/2015**			RunNo: **24136**	
Client ID: **MBLKW**	Batch ID: **11559**					Analysis Date: **8/11/2015**			SeqNo: **456969**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.00									

NOTES:
Filter Blank

Sample ID: **MB-11559**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/11/2015**			RunNo: **24136**	
Client ID: **MBLKW**	Batch ID: **11559**					Analysis Date: **8/11/2015**			SeqNo: **456970**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.00									

Sample ID: **LCS-11559**	SampType: **LCS**			Units: **µg/L**		Prep Date: **8/11/2015**			RunNo: **24136**	
Client ID: **LCSW**	Batch ID: **11559**					Analysis Date: **8/11/2015**			SeqNo: **456971**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	45.7	1.00	50.00	0	91.5	85	115				

Sample ID: **1508072-001CDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **8/11/2015**			RunNo: **24136**	
Client ID: **BATCH**	Batch ID: **11559**					Analysis Date: **8/11/2015**			SeqNo: **456973**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.00						0		30	

Sample ID: **1508072-001CMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **8/11/2015**			RunNo: **24136**	
Client ID: **BATCH**	Batch ID: **11559**					Analysis Date: **8/11/2015**			SeqNo: **456976**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.00	250.0	0.04450	87.8	70	130				

Date: *8/17/2015*

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **1508072-001CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24136**
Client ID: **BATCH** Batch ID: **11559** Analysis Date: **8/11/2015** SeqNo: **456977**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222	1.00	250.0	0.04450	88.8	70	130	219.5	1.20	30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID: **MB-11563**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **8/11/2015**			RunNo: **24140**	
Client ID: **MBLKS**	Batch ID: **11563**					Analysis Date: **8/11/2015**			SeqNo: **457080**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.200									

Sample ID: **LCS-11563**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **8/11/2015**			RunNo: **24140**	
Client ID: **LCSS**	Batch ID: **11563**					Analysis Date: **8/11/2015**			SeqNo: **457083**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.1	0.200	25.00	0	109	80	120				

Sample ID: **1508074-016ADUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **8/11/2015**			RunNo: **24140**	
Client ID: **KSB-7:3**	Batch ID: **11563**					Analysis Date: **8/11/2015**			SeqNo: **457085**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.20	0.172						3.793	10.2	20	

Sample ID: **1508074-016AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **8/11/2015**			RunNo: **24140**	
Client ID: **KSB-7:3**	Batch ID: **11563**					Analysis Date: **8/11/2015**			SeqNo: **457087**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.2	0.185	23.17	3.793	101	75	125				

Sample ID: **1508074-016AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **8/11/2015**			RunNo: **24140**	
Client ID: **KSB-7:3**	Batch ID: **11563**					Analysis Date: **8/11/2015**			SeqNo: **457088**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.8	0.179	22.43	3.793	98.3	75	125	27.18	5.07	20	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

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

Sample ID: **MB-11548**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **8/10/2015**	RunNo: **24112**
Client ID: **MBLKS**	Batch ID: **11548**		Analysis Date: **8/10/2015**	SeqNo: **456682**

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	23.5		20.00		117	50	150				
Surr: o-Terphenyl	22.1		20.00		110	50	150				

Sample ID: **LCS-11548**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **8/10/2015**	RunNo: **24112**
Client ID: **LCSS**	Batch ID: **11548**		Analysis Date: **8/10/2015**	SeqNo: **456681**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	454	20.0	500.0	0	90.7	65	135				
Surr: 2-Fluorobiphenyl	21.6		20.00		108	50	150				
Surr: o-Terphenyl	20.4		20.00		102	50	150				

Sample ID: **1508070-001ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/10/2015**	RunNo: **24112**
Client ID: **BATCH**	Batch ID: **11548**		Analysis Date: **8/10/2015**	SeqNo: **456661**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	23.9						0		30	
Heavy Oil	ND	59.6						0		30	
Surr: 2-Fluorobiphenyl	21.9		23.86		92.0	50	150		0		
Surr: o-Terphenyl	21.5		23.86		90.3	50	150		0		

Sample ID: **1508074-006ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/10/2015**	RunNo: **24112**
Client ID: **KSB-2:10**	Batch ID: **11548**		Analysis Date: **8/11/2015**	SeqNo: **456674**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	24.5						0		30	
Heavy Oil	ND	61.2						0		30	
Surr: 2-Fluorobiphenyl	26.5		24.48		108	50	150		0		
Surr: o-Terphenyl	25.2		24.48		103	50	150		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

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

Sample ID: **1508074-006ADUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **8/10/2015**		RunNo: **24112**	
Client ID: **KSB-2:10**	Batch ID: **11548**					Analysis Date: **8/11/2015**		SeqNo: **456674**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **MB-11551**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **8/10/2015**		RunNo: **24115**	
Client ID: **MBLKS**	Batch ID: **11551**					Analysis Date: **8/10/2015**		SeqNo: **456751**	
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	19.2		20.00		95.8	50	150				
Surr: o-Terphenyl	18.9		20.00		94.5	50	150				

Sample ID: **LCS-11551**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **8/10/2015**		RunNo: **24115**	
Client ID: **LCSS**	Batch ID: **11551**					Analysis Date: **8/10/2015**		SeqNo: **456750**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	471	20.0	500.0	0	94.2	65	135				
Surr: 2-Fluorobiphenyl	22.3		20.00		111	50	150				
Surr: o-Terphenyl	19.3		20.00		96.3	50	150				

Sample ID: **1508074-019ADUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **8/10/2015**		RunNo: **24115**	
Client ID: **KSB-8:3**	Batch ID: **11551**					Analysis Date: **8/10/2015**		SeqNo: **456740**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	22.7						0		30	
Heavy Oil	ND	56.8						0		30	
Surr: 2-Fluorobiphenyl	20.8		22.70		91.8	50	150		0		
Surr: o-Terphenyl	20.6		22.70		90.5	50	150		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

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

Sample ID: **MB-11570**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/12/2015**	RunNo: **24179**
Client ID: **MBLKW**	Batch ID: **11570**		Analysis Date: **8/13/2015**	SeqNo: **457699**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	53.6		80.00		67.0	50	150				
Surr: o-Terphenyl	54.0		80.00		67.5	50	150				

Sample ID: **LCS-11570**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/12/2015**	RunNo: **24179**
Client ID: **LCSW**	Batch ID: **11570**		Analysis Date: **8/13/2015**	SeqNo: **457698**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	757	50.0	1,000	0	75.7	65	135				
Surr: 2-Fluorobiphenyl	61.6		80.00		77.0	50	150				
Surr: o-Terphenyl	63.3		80.00		79.1	50	150				

Sample ID: **1508069-003ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/12/2015**	RunNo: **24179**
Client ID: **BATCH**	Batch ID: **11570**		Analysis Date: **8/13/2015**	SeqNo: **457710**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	737	50.0						408.4	57.4	30	R
Heavy Oil	ND	99.9						0		30	
Surr: 2-Fluorobiphenyl	62.0		79.95		77.5	50	150		0		
Surr: o-Terphenyl	68.6		79.95		85.8	50	150		0		

NOTES:
R - High RPD observed. The method is in control as indicated by the LCS and MB.

Sample ID: **1508072-003ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/12/2015**	RunNo: **24179**
Client ID: **BATCH**	Batch ID: **11570**		Analysis Date: **8/13/2015**	SeqNo: **458268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	49.9						0		30	
Heavy Oil	ND	99.9						103.6	78.2	30	
Surr: 2-Fluorobiphenyl	64.7		79.89		81.0	50	150		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

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

Sample ID: **1508072-003ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24179**
Client ID: **BATCH** Batch ID: **11570** Analysis Date: **8/13/2015** SeqNo: **458268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: o-Terphenyl	66.6		79.89		83.4	50	150		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-11557**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **8/10/2015**	RunNo: **24116**
Client ID: **LCSS**	Batch ID: **11557**		Analysis Date: **8/10/2015**	SeqNo: **456777**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	21.3	5.00	25.00	0	85.1	65	135				
Surr: Toluene-d8	1.16		1.250		92.4	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: **MB-11557**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **8/10/2015**	RunNo: **24116**
Client ID: **MBLKS**	Batch ID: **11557**		Analysis Date: **8/10/2015**	SeqNo: **456778**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.11		1.250		88.6	65	135				
Surr: 4-Bromofluorobenzene	1.19		1.250		95.6	65	135				

Sample ID: **1508073-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/10/2015**	RunNo: **24116**
Client ID: **BATCH**	Batch ID: **11557**		Analysis Date: **8/10/2015**	SeqNo: **456753**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.35						0		30	
Surr: Toluene-d8	1.24		1.337		92.8	65	135		0		
Surr: 4-Bromofluorobenzene	1.33		1.337		99.6	65	135		0		

Sample ID: **1508074-022BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/10/2015**	RunNo: **24116**
Client ID: **KSB-9:1.5**	Batch ID: **11557**		Analysis Date: **8/11/2015**	SeqNo: **456773**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	2.31						0		30	
Surr: Toluene-d8	0.561		0.5771		97.2	65	135		0		
Surr: 4-Bromofluorobenzene	0.574		0.5771		99.5	65	135		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-11569**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **8/11/2015**		RunNo: **24162**			
Client ID: **LCSS**	Batch ID: **11569**					Analysis Date: **8/11/2015**		SeqNo: **457374**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	25.5	5.00	25.00	0	102	65	135				
Surr: Toluene-d8	1.25		1.250		100	65	135				
Surr: 4-Bromofluorobenzene	1.16		1.250		93.1	65	135				

Sample ID: **MB-11569**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **8/11/2015**		RunNo: **24162**			
Client ID: **MBLKS**	Batch ID: **11569**					Analysis Date: **8/11/2015**		SeqNo: **457375**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.24		1.250		99.1	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: **1508101-001BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **8/11/2015**		RunNo: **24162**			
Client ID: **BATCH**	Batch ID: **11569**					Analysis Date: **8/12/2015**		SeqNo: **457370**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.20						0		30	
Surr: Toluene-d8	1.55		1.550		100	65	135		0		
Surr: 4-Bromofluorobenzene	1.49		1.550		96.2	65	135		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-R24158**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/11/2015**	RunNo: **24158**
Client ID: **LCSW**	Batch ID: **R24158**		Analysis Date: **8/11/2015**	SeqNo: **457321**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	390	50.0	500.0	0	78.0	65	135				
Surr: Toluene-d8	22.1		25.00		88.4	65	135				
Surr: 4-Bromofluorobenzene	23.8		25.00		95.2	65	135				

Sample ID: **MB-R24158**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/11/2015**	RunNo: **24158**
Client ID: **MBLKW**	Batch ID: **R24158**		Analysis Date: **8/11/2015**	SeqNo: **457322**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	22.9		25.00		91.4	65	135				
Surr: 4-Bromofluorobenzene	23.9		25.00		95.6	65	135				

Sample ID: **1508086-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/11/2015**	RunNo: **24158**
Client ID: **BATCH**	Batch ID: **R24158**		Analysis Date: **8/11/2015**	SeqNo: **457312**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	23.4		25.00		93.7	65	135		0	0	
Surr: 4-Bromofluorobenzene	24.9		25.00		99.4	65	135		0	0	

Sample ID: **1508074-032BDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/12/2015**	RunNo: **24158**
Client ID: **KSB-7:W**	Batch ID: **R24158**		Analysis Date: **8/12/2015**	SeqNo: **457309**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	379	50.0						344.8	9.58	30	
Surr: Toluene-d8	24.0		25.00		95.8	65	135		0	0	
Surr: 4-Bromofluorobenzene	23.9		25.00		95.6	65	135		0	0	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-R24201**	SampType: **LCS**			Units: **µg/L**		Prep Date: **8/13/2015**		RunNo: **24201**		
Client ID: **LCSW**	Batch ID: **R24201**					Analysis Date: **8/13/2015**		SeqNo: **458218**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	407	50.0	500.0	0	81.4	65	135				
Surr: Toluene-d8	22.0		25.00		87.9	65	135				
Surr: 4-Bromofluorobenzene	24.2		25.00		96.9	65	135				

Sample ID: **MB-R24201**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/13/2015**		RunNo: **24201**		
Client ID: **MBLKW**	Batch ID: **R24201**					Analysis Date: **8/13/2015**		SeqNo: **458219**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	21.9		25.00		87.4	65	135				
Surr: 4-Bromofluorobenzene	23.7		25.00		94.8	65	135				

Sample ID: **1508106-001BDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **8/13/2015**		RunNo: **24201**		
Client ID: **BATCH**	Batch ID: **R24201**					Analysis Date: **8/13/2015**		SeqNo: **458198**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	22.8		25.00		91.2	65	135		0	0	
Surr: 4-Bromofluorobenzene	23.8		25.00		95.2	65	135		0	0	

Sample ID: **1508123-004BDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **8/14/2015**		RunNo: **24201**		
Client ID: **BATCH**	Batch ID: **R24201**					Analysis Date: **8/14/2015**		SeqNo: **458209**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	23.7		25.00		94.9	65	135		0	0	
Surr: 4-Bromofluorobenzene	23.5		25.00		94.1	65	135		0	0	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-11557**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **8/10/2015**		RunNo: **24113**			
Client ID: **LCSS**	Batch ID: **11557**					Analysis Date: **8/10/2015**		SeqNo: **456718**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.00200	1.000	0	105	56.1	130				
1,1-Dichloroethene	1.05	0.0500	1.000	0	105	49.7	142				
trans-1,2-Dichloroethene	1.00	0.0200	1.000	0	100	68	130				
cis-1,2-Dichloroethene	0.964	0.0200	1.000	0	96.4	71.3	135				
Benzene	0.945	0.0200	1.000	0	94.5	64.3	133				
Trichloroethene (TCE)	1.00	0.0200	1.000	0	100	65.5	137				
Toluene	0.978	0.0200	1.000	0	97.8	67.3	138				
Tetrachloroethene (PCE)	1.00	0.0200	1.000	0	100	52.7	150				
Ethylbenzene	0.915	0.0300	1.000	0	91.5	74	129				
m,p-Xylene	2.02	0.0200	2.000	0	101	79.8	128				
o-Xylene	0.986	0.0200	1.000	0	98.6	72.7	124				
Surr: Dibromofluoromethane	1.24		1.250		98.9	63.7	129				
Surr: Toluene-d8	1.24		1.250		99.1	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.7	63.1	141				

Sample ID: **MB-11557**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **8/10/2015**		RunNo: **24113**			
Client ID: **MBLKS**	Batch ID: **11557**					Analysis Date: **8/10/2015**		SeqNo: **456719**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									
1,1-Dichloroethene	ND	0.0500									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Toluene	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Surr: Dibromofluoromethane	1.27		1.250		102	63.7	129				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-11557**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **8/10/2015**	RunNo: **24113**
Client ID: **MBLKS**	Batch ID: **11557**		Analysis Date: **8/10/2015**	SeqNo: **456719**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.23		1.250		98.4	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.7	63.1	141				

Sample ID: **1508073-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/10/2015**	RunNo: **24113**
Client ID: **BATCH**	Batch ID: **11557**		Analysis Date: **8/10/2015**	SeqNo: **456693**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00214						0		30	
1,1-Dichloroethene	ND	0.0535						0		30	
trans-1,2-Dichloroethene	ND	0.0214						0		30	
cis-1,2-Dichloroethene	ND	0.0214						0		30	
Benzene	ND	0.0214						0		30	
Trichloroethene (TCE)	ND	0.0214						0		30	
Toluene	ND	0.0214						0		30	
Tetrachloroethene (PCE)	ND	0.0214						0		30	
Ethylbenzene	ND	0.0321						0		30	
m,p-Xylene	ND	0.0214						0		30	
o-Xylene	ND	0.0214						0		30	
Surr: Dibromofluoromethane	1.35		1.337		101	63.7	129		0		
Surr: Toluene-d8	1.39		1.337		104	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.31		1.337		97.7	63.1	141		0		

Sample ID: **1508073-002BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **8/10/2015**	RunNo: **24113**
Client ID: **BATCH**	Batch ID: **11557**		Analysis Date: **8/10/2015**	SeqNo: **456695**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.13	0.00200	0.9996	0.005998	112	51.2	146				
1,1-Dichloroethene	1.06	0.0500	0.9996	0	106	61.9	141				
trans-1,2-Dichloroethene	1.04	0.0200	0.9996	0	104	52	136				
cis-1,2-Dichloroethene	0.965	0.0200	0.9996	0	96.5	58.6	136				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508073-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/10/2015** RunNo: **24113**
Client ID: **BATCH** Batch ID: **11557** Analysis Date: **8/10/2015** SeqNo: **456695**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.956	0.0200	0.9996	0	95.6	63.5	133				
Trichloroethene (TCE)	1.03	0.0200	0.9996	0	103	68.6	132				
Toluene	1.01	0.0200	0.9996	0	101	63.4	132				
Tetrachloroethene (PCE)	1.10	0.0200	0.9996	0	110	35.6	158				
Ethylbenzene	1.03	0.0300	0.9996	0	103	54.5	134				
m,p-Xylene	2.29	0.0200	1.999	0	115	53.1	132				
o-Xylene	1.10	0.0200	0.9996	0	110	53.3	139				
Surr: Dibromofluoromethane	1.22		1.250		97.8	63.7	129				
Surr: Toluene-d8	1.24		1.250		99.2	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	63.1	141				

Sample ID: **1508074-022BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/10/2015** RunNo: **24113**
Client ID: **KSB-9:1.5** Batch ID: **11557** Analysis Date: **8/11/2015** SeqNo: **456714**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.000923						0		30	
1,1-Dichloroethene	ND	0.0231						0		30	
trans-1,2-Dichloroethene	ND	0.00923						0		30	
cis-1,2-Dichloroethene	ND	0.00923						0		30	
Benzene	ND	0.00923						0		30	
Trichloroethene (TCE)	ND	0.00923						0		30	
Toluene	ND	0.00923						0		30	
Tetrachloroethene (PCE)	ND	0.00923						0		30	
Ethylbenzene	ND	0.0138						0		30	
m,p-Xylene	0.00923	0.00923						0.003693	85.7	30	
o-Xylene	ND	0.00923						0		30	
Surr: Dibromofluoromethane	0.577		0.5771		99.9	63.7	129		0		
Surr: Toluene-d8	0.582		0.5771		101	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	0.563		0.5771		97.6	63.1	141		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-11569**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **8/11/2015**		RunNo: **24161**			
Client ID: **LCSS**	Batch ID: **11569**					Analysis Date: **8/11/2015**		SeqNo: **457355**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.742	0.00200	1.000	0	74.2	56.1	130				
1,1-Dichloroethene	0.864	0.0500	1.000	0	86.4	49.7	142				
trans-1,2-Dichloroethene	0.904	0.0200	1.000	0	90.4	68	130				
cis-1,2-Dichloroethene	0.935	0.0200	1.000	0	93.5	71.3	135				
Benzene	0.937	0.0200	1.000	0	93.7	64.3	133				
Trichloroethene (TCE)	0.971	0.0200	1.000	0	97.1	65.5	137				
Toluene	0.953	0.0200	1.000	0	95.3	67.3	138				
Tetrachloroethene (PCE)	0.938	0.0200	1.000	0	93.8	52.7	150				
Ethylbenzene	0.964	0.0300	1.000	0	96.4	74	129				
m,p-Xylene	1.92	0.0200	2.000	0	95.8	79.8	128				
o-Xylene	0.969	0.0200	1.000	0	96.9	72.7	124				
Surr: Dibromofluoromethane	1.30		1.250		104	63.7	129				
Surr: Toluene-d8	1.24		1.250		99.0	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.10		1.250		88.0	63.1	141				

Sample ID: **MB-11569**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **8/11/2015**		RunNo: **24161**			
Client ID: **MBLKS**	Batch ID: **11569**					Analysis Date: **8/11/2015**		SeqNo: **457360**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00200									
1,1-Dichloroethene	ND	0.0500									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Toluene	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Surr: Dibromofluoromethane	1.14		1.250		91.1	63.7	129				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-11569**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **8/11/2015**	RunNo: **24161**
Client ID: **MBLKS**	Batch ID: **11569**		Analysis Date: **8/11/2015**	SeqNo: **457360**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.21		1.250		96.5	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.4	63.1	141				

Sample ID: **1508101-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **8/11/2015**	RunNo: **24161**
Client ID: **BATCH**	Batch ID: **11569**		Analysis Date: **8/12/2015**	SeqNo: **457352**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.00248						0		30	
1,1-Dichloroethene	ND	0.0620						0		30	
trans-1,2-Dichloroethene	ND	0.0248						0		30	
cis-1,2-Dichloroethene	ND	0.0248						0		30	
Benzene	ND	0.0248						0		30	
Trichloroethene (TCE)	ND	0.0248						0		30	
Toluene	ND	0.0248						0		30	
Tetrachloroethene (PCE)	ND	0.0248						0		30	
Ethylbenzene	ND	0.0372						0		30	
m,p-Xylene	ND	0.0248						0		30	
o-Xylene	ND	0.0248						0		30	
Surr: Dibromofluoromethane	1.37		1.550		88.6	63.7	129		0		
Surr: Toluene-d8	1.49		1.550		96.4	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.42		1.550		91.5	63.1	141		0		

Sample ID: **1508074-023BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **8/11/2015**	RunNo: **24161**
Client ID: **KSB-9:9**	Batch ID: **11569**		Analysis Date: **8/12/2015**	SeqNo: **457344**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.463	0.00110	0.5491	0.001334	84.1	51.2	146				
1,1-Dichloroethene	0.512	0.0275	0.5491	0	93.2	61.9	141				
trans-1,2-Dichloroethene	0.478	0.0110	0.5491	0	87.1	52	136				
cis-1,2-Dichloroethene	0.474	0.0110	0.5491	0	86.3	58.6	136				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508074-023BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/11/2015** RunNo: **24161**
Client ID: **KSB-9:9** Batch ID: **11569** Analysis Date: **8/12/2015** SeqNo: **457344**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.478	0.0110	0.5491	0	87.0	63.5	133				
Trichloroethene (TCE)	0.561	0.0110	0.5491	0	102	68.6	132				
Toluene	0.530	0.0110	0.5491	0	96.5	63.4	132				
Tetrachloroethene (PCE)	0.533	0.0110	0.5491	0	97.0	35.6	158				
Ethylbenzene	0.498	0.0165	0.5491	0	90.7	54.5	134				
m,p-Xylene	1.01	0.0110	1.098	0.002465	91.7	53.1	132				
o-Xylene	0.511	0.0110	0.5491	0	93.0	53.3	139				
Surr: Dibromofluoromethane	0.638		0.6864		92.9	63.7	129				
Surr: Toluene-d8	0.682		0.6864		99.4	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	0.630		0.6864		91.7	63.1	141				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R24156** SampType: **LCS** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **LCSW** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457266**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	15.5	1.00	20.00	0	77.6	43	136				
Chloromethane	18.7	1.00	20.00	0	93.4	43.9	139				
Vinyl chloride	18.4	0.200	20.00	0	92.2	53.6	139				
Bromomethane	22.9	1.00	20.00	0	114	42.5	152				
Trichlorofluoromethane (CFC-11)	19.4	1.00	20.00	0	96.8	63.7	133				
Chloroethane	20.5	1.00	20.00	0	103	53	141				
1,1-Dichloroethene	16.9	1.00	20.00	0	84.4	65.6	136				
Methylene chloride	17.1	1.00	20.00	0	85.7	67.1	131				
trans-1,2-Dichloroethene	17.7	1.00	20.00	0	88.4	71.7	129				
Methyl tert-butyl ether (MTBE)	18.3	1.00	20.00	0	91.4	67.7	131				
1,1-Dichloroethane	18.0	1.00	20.00	0	90.0	67.9	134				
2,2-Dichloropropane	18.1	2.00	20.00	0	90.4	33.7	152				
cis-1,2-Dichloroethene	18.0	1.00	20.00	0	90.0	71.1	130				
Chloroform	18.2	1.00	20.00	0	91.0	66.3	131				
1,1,1-Trichloroethane (TCA)	20.4	1.00	20.00	0	102	71	131				
1,1-Dichloropropene	18.8	1.00	20.00	0	94.2	74.5	126				
Carbon tetrachloride	19.7	1.00	20.00	0	98.6	66.2	134				
1,2-Dichloroethane (EDC)	17.9	1.00	20.00	0	89.4	68.8	123				
Benzene	18.2	1.00	20.00	0	90.8	69.3	132				
Trichloroethene (TCE)	18.4	0.500	20.00	0	91.8	65.2	136				
1,2-Dichloropropane	17.9	1.00	20.00	0	89.5	70.5	130				
Bromodichloromethane	18.4	1.00	20.00	0	92.2	67.2	137				
Dibromomethane	18.8	1.00	20.00	0	94.0	75.5	126				
cis-1,3-Dichloropropene	17.8	1.00	20.00	0	88.8	62.6	137				
Toluene	18.1	1.00	20.00	0	90.7	61.3	145				
trans-1,3-Dichloropropene	18.7	1.00	20.00	0	93.6	58.5	142				
1,1,2-Trichloroethane	18.6	1.00	20.00	0	93.2	71.7	131				
1,3-Dichloropropane	17.6	1.00	20.00	0	87.9	73.5	127				
Tetrachloroethene (PCE)	20.0	1.00	20.00	0	100	47.5	147				
Dibromochloromethane	18.8	1.00	20.00	0	94.1	67.2	134				
1,2-Dibromoethane (EDB)	19.2	0.0600	20.00	0	96.2	73.6	125				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R24156** SampType: **LCS** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **LCSW** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457266**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	19.1	1.00	20.00	0	95.7	73.9	126				
1,1,1,2-Tetrachloroethane	19.8	1.00	20.00	0	99.2	76.8	124				
Ethylbenzene	18.3	1.00	20.00	0	91.4	72	130				
m,p-Xylene	37.2	1.00	40.00	0	92.9	70.3	134				
o-Xylene	17.9	1.00	20.00	0	89.4	72.1	131				
Styrene	19.5	1.00	20.00	0	97.4	64.3	140				
Isopropylbenzene	18.4	1.00	20.00	0	92.2	73.9	128				
Bromoform	19.5	1.00	20.00	0	97.3	63.8	135				
1,1,2,2-Tetrachloroethane	16.3	1.00	20.00	0	81.5	62.9	132				
n-Propylbenzene	18.2	1.00	20.00	0	91.1	74.5	127				
Bromobenzene	18.8	1.00	20.00	0	94.2	71	131				
1,3,5-Trimethylbenzene	18.3	1.00	20.00	0	91.7	73.1	128				
2-Chlorotoluene	18.2	1.00	20.00	0	91.1	70.8	130				
4-Chlorotoluene	18.1	1.00	20.00	0	90.6	70.1	131				
tert-Butylbenzene	19.8	1.00	20.00	0	99.0	68.2	131				
1,2,3-Trichloropropane	17.8	1.00	20.00	0	89.0	67.7	131				
1,2,4-Trichlorobenzene	18.5	2.00	20.00	0	92.7	67.6	129				
sec-Butylbenzene	19.1	1.00	20.00	0	95.6	72	129				
4-Isopropyltoluene	18.1	1.00	20.00	0	90.7	69.2	130				
1,3-Dichlorobenzene	18.6	1.00	20.00	0	92.8	72.4	129				
1,4-Dichlorobenzene	18.1	1.00	20.00	0	90.6	70.6	128				
n-Butylbenzene	17.4	1.00	20.00	0	86.8	73.8	127				
1,2-Dichlorobenzene	18.2	1.00	20.00	0	90.9	74.2	129				
1,2-Dibromo-3-chloropropane	19.6	1.00	20.00	0	97.8	63.1	136				
1,2,4-Trimethylbenzene	18.6	1.00	20.00	0	92.9	73.4	127				
Hexachlorobutadiene	19.4	4.00	20.00	0	96.9	58.6	138				
Naphthalene	18.0	1.00	20.00	0	90.1	45.2	144				
1,2,3-Trichlorobenzene	18.4	4.00	20.00	0	92.0	50.2	139				
Surr: Dibromofluoromethane	25.0		25.00		100	45.4	152				
Surr: Toluene-d8	25.1		25.00		100	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.0		25.00		100	64.2	128				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R24156**	SampType: **LCS**			Units: **µg/L**		Prep Date: **8/11/2015**		RunNo: **24156**		
Client ID: **LCSW**	Batch ID: **R24156**					Analysis Date: **8/11/2015**		SeqNo: **457266**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **MB-R24156**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/11/2015**		RunNo: **24156**		
Client ID: **MBLKW**	Batch ID: **R24156**					Analysis Date: **8/11/2015**		SeqNo: **457267**		
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	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R24156** SampType: **MBLK** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **MBLKW** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457267**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0600									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	4.00									

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R24156** SampType: **MBLK** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **MBLKW** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457267**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	24.2		25.00		97.0	45.4	152				
Surr: Toluene-d8	25.5		25.00		102	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	24.6		25.00		98.5	64.2	128				

Sample ID: **1508086-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **BATCH** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457257**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508086-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **BATCH** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457257**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508086-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/11/2015** RunNo: **24156**
Client ID: **BATCH** Batch ID: **R24156** Analysis Date: **8/11/2015** SeqNo: **457257**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	25.8		25.00		103	45.4	152		0		
Surr: Toluene-d8	26.3		25.00		105	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	25.7		25.00		103	64.2	128		0		

Sample ID: **1508086-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24156**
Client ID: **BATCH** Batch ID: **R24156** Analysis Date: **8/12/2015** SeqNo: **457259**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	13.2	1.00	20.00	0	66.0	33.3	122				
Chloromethane	13.9	1.00	20.00	0	69.6	48.2	145				
Vinyl chloride	21.5	0.200	20.00	0	107	58.1	158				
Bromomethane	12.6	1.00	20.00	0.3600	61.0	31.5	135				
Trichlorofluoromethane (CFC-11)	22.6	1.00	20.00	0	113	54.7	138				
Chloroethane	26.1	1.00	20.00	3.320	114	49.9	143				
1,1-Dichloroethene	20.3	1.00	20.00	0	102	63	141				
Methylene chloride	18.8	1.00	20.00	0	94.1	61.6	135				
trans-1,2-Dichloroethene	19.6	1.00	20.00	0	98.2	63.5	138				
Methyl tert-butyl ether (MTBE)	19.2	1.00	20.00	0	95.9	60.9	132				
1,1-Dichloroethane	21.0	1.00	20.00	0	105	67.8	136				
2,2-Dichloropropane	20.1	2.00	20.00	0	100	31.5	121				
cis-1,2-Dichloroethene	19.8	1.00	20.00	0	99.2	67.1	123				
Chloroform	20.3	1.00	20.00	0	101	66.7	136				
1,1,1-Trichloroethane (TCA)	23.0	1.00	20.00	0	115	64.2	146				
1,1-Dichloropropene	21.8	1.00	20.00	0	109	73.8	136				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508086-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24156**
Client ID: **BATCH** Batch ID: **R24156** Analysis Date: **8/12/2015** SeqNo: **457259**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	19.9	1.00	20.00	0	99.7	62.7	146				
1,2-Dichloroethane (EDC)	19.4	1.00	20.00	0	97.0	63.4	137				
Benzene	20.8	1.00	20.00	0	104	65.4	138				
Trichloroethene (TCE)	19.9	0.500	20.00	0	99.4	60.4	134				
1,2-Dichloropropane	20.4	1.00	20.00	0	102	62.6	138				
Bromodichloromethane	20.4	1.00	20.00	0.1600	101	59.4	139				
Dibromomethane	19.6	1.00	20.00	0	98.1	63.6	139				
cis-1,3-Dichloropropene	18.4	1.00	20.00	0	92.1	63.8	132				
Toluene	20.5	1.00	20.00	0	102	64	139				
trans-1,3-Dichloropropene	17.6	1.00	20.00	0	87.8	57.7	125				
1,1,2-Trichloroethane	19.8	1.00	20.00	0	98.9	59.4	127				
1,3-Dichloropropane	18.0	1.00	20.00	0	90.1	64.3	135				
Tetrachloroethene (PCE)	21.9	1.00	20.00	0	110	50.3	133				
Dibromochloromethane	20.0	1.00	20.00	0	100	61.6	139				
1,2-Dibromoethane (EDB)	19.5	0.0600	20.00	0	97.5	63.2	134				
Chlorobenzene	20.7	1.00	20.00	0	104	65.8	134				
1,1,1,2-Tetrachloroethane	20.1	1.00	20.00	0.2100	99.4	65.4	135				
Ethylbenzene	20.6	1.00	20.00	0	103	64.5	136				
m,p-Xylene	40.3	1.00	40.00	0.1700	100	63.3	135				
o-Xylene	19.6	1.00	20.00	0	97.9	65.4	134				
Styrene	20.8	1.00	20.00	0	104	59.1	134				
Isopropylbenzene	20.7	1.00	20.00	0	104	56	147				
Bromoform	17.4	1.00	20.00	0.6800	83.6	57.7	139				
1,1,2,2-Tetrachloroethane	17.1	1.00	20.00	0	85.5	59.8	146				
n-Propylbenzene	20.0	1.00	20.00	0	100	57.6	142				
Bromobenzene	20.0	1.00	20.00	0	100	63.6	130				
1,3,5-Trimethylbenzene	20.4	1.00	20.00	0	102	59.9	136				
2-Chlorotoluene	19.9	1.00	20.00	0	99.4	61.7	134				
4-Chlorotoluene	19.4	1.00	20.00	0	97.0	58.4	134				
tert-Butylbenzene	22.3	1.00	20.00	0.3800	110	66.8	141				
1,2,3-Trichloropropane	20.0	1.00	20.00	0	99.9	62.4	129				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508086-002AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24156**
Client ID: **BATCH** Batch ID: **R24156** Analysis Date: **8/12/2015** SeqNo: **457259**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	17.4	2.00	20.00	0.1300	86.2	50.9	133				
sec-Butylbenzene	21.1	1.00	20.00	0	105	56	146				
4-Isopropyltoluene	20.6	1.00	20.00	0.1000	103	56.4	136				
1,3-Dichlorobenzene	19.0	1.00	20.00	0	95.1	58.2	128				
1,4-Dichlorobenzene	18.8	1.00	20.00	0	94.1	60.1	123				
n-Butylbenzene	18.9	1.00	20.00	0	94.4	54.6	135				
1,2-Dichlorobenzene	18.2	1.00	20.00	0	91.0	65.4	133				
1,2-Dibromo-3-chloropropane	19.0	1.00	20.00	2.150	84.5	51.8	142				
1,2,4-Trimethylbenzene	20.3	1.00	20.00	0	101	63.7	132				
Hexachlorobutadiene	20.0	4.00	20.00	0	99.8	58.1	130				
Naphthalene	17.6	1.00	20.00	1.090	82.5	54.5	132				
1,2,3-Trichlorobenzene	15.4	4.00	20.00	0.3600	75.2	57	131				
Surr: Dibromofluoromethane	25.1		25.00		101	45.4	152				
Surr: Toluene-d8	25.9		25.00		104	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	26.4		25.00		106	64.2	128				

Sample ID: **1508074-032BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24156**
Client ID: **KSB-7:W** Batch ID: **R24156** Analysis Date: **8/12/2015** SeqNo: **457254**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	3.25	1.00						2.690	18.9	30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508074-032BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24156**
Client ID: **KSB-7:W** Batch ID: **R24156** Analysis Date: **8/12/2015** SeqNo: **457254**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	2.02	1.00						2.020	0	30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	4.70	1.00						4.400	6.59	30	
Bromobenzene	ND	1.00						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508074-032BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/12/2015** RunNo: **24156**
Client ID: **KSB-7:W** Batch ID: **R24156** Analysis Date: **8/12/2015** SeqNo: **457254**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	1.62	1.00						1.500	7.69	30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	2.97	1.00						3.040	2.33	30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	26.2		25.00		105	45.4	152		0		
Surr: Toluene-d8	26.8		25.00		107	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	24.8		25.00		99.0	64.2	128		0		

Sample ID: **LCS-R24200** SampType: **LCS** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **LCSW** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458192**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	15.7	1.00	20.00	0	78.3	43	136				
Chloromethane	18.1	1.00	20.00	0	90.5	43.9	139				
Vinyl chloride	19.7	0.200	20.00	0	98.4	53.6	139				
Bromomethane	24.6	1.00	20.00	0	123	42.5	152				
Trichlorofluoromethane (CFC-11)	19.0	1.00	20.00	0	94.8	63.7	133				
Chloroethane	20.6	1.00	20.00	0	103	53	141				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R24200** SampType: **LCS** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **LCSW** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458192**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.1	1.00	20.00	0	90.7	65.6	136				
Methylene chloride	17.6	1.00	20.00	0	88.2	67.1	131				
trans-1,2-Dichloroethene	18.9	1.00	20.00	0	94.5	71.7	129				
Methyl tert-butyl ether (MTBE)	18.1	1.00	20.00	0	90.6	67.7	131				
1,1-Dichloroethane	19.3	1.00	20.00	0	96.5	67.9	134				
2,2-Dichloropropane	15.4	2.00	20.00	0	76.8	33.7	152				
cis-1,2-Dichloroethene	18.0	1.00	20.00	0	90.1	71.1	130				
Chloroform	19.0	1.00	20.00	0	94.9	66.3	131				
1,1,1-Trichloroethane (TCA)	19.7	1.00	20.00	0	98.6	71	131				
1,1-Dichloropropene	18.7	1.00	20.00	0	93.5	74.5	126				
Carbon tetrachloride	19.7	1.00	20.00	0	98.6	66.2	134				
1,2-Dichloroethane (EDC)	19.2	1.00	20.00	0	96.2	68.8	123				
Benzene	18.6	1.00	20.00	0	92.8	69.3	132				
Trichloroethene (TCE)	18.7	0.500	20.00	0	93.5	65.2	136				
1,2-Dichloropropane	17.0	1.00	20.00	0	84.8	70.5	130				
Bromodichloromethane	19.4	1.00	20.00	0	96.9	67.2	137				
Dibromomethane	17.6	1.00	20.00	0	88.0	75.5	126				
cis-1,3-Dichloropropene	20.2	1.00	20.00	0	101	62.6	137				
Toluene	17.3	1.00	20.00	0	86.3	61.3	145				
trans-1,3-Dichloropropene	19.2	1.00	20.00	0	96.0	58.5	142				
1,1,2-Trichloroethane	18.0	1.00	20.00	0	90.2	71.7	131				
1,3-Dichloropropane	17.6	1.00	20.00	0	87.8	73.5	127				
Tetrachloroethene (PCE)	18.7	1.00	20.00	0	93.3	47.5	147				
Dibromochloromethane	20.8	1.00	20.00	0	104	67.2	134				
1,2-Dibromoethane (EDB)	19.5	0.0600	20.00	0	97.3	73.6	125				
Chlorobenzene	20.3	1.00	20.00	0	102	73.9	126				
1,1,1,2-Tetrachloroethane	21.6	1.00	20.00	0	108	76.8	124				
Ethylbenzene	20.7	1.00	20.00	0	104	72	130				
m,p-Xylene	43.1	1.00	40.00	0	108	70.3	134				
o-Xylene	21.5	1.00	20.00	0	107	72.1	131				
Styrene	21.5	1.00	20.00	0	108	64.3	140				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R24200** SampType: **LCS** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **LCSW** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458192**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	20.5	1.00	20.00	0	103	73.9	128				
Bromoform	20.4	1.00	20.00	0	102	63.8	135				
1,1,2,2-Tetrachloroethane	18.3	1.00	20.00	0	91.5	62.9	132				
n-Propylbenzene	20.6	1.00	20.00	0	103	74.5	127				
Bromobenzene	21.2	1.00	20.00	0	106	71	131				
1,3,5-Trimethylbenzene	21.3	1.00	20.00	0	107	73.1	128				
2-Chlorotoluene	19.7	1.00	20.00	0	98.6	70.8	130				
4-Chlorotoluene	20.2	1.00	20.00	0	101	70.1	131				
tert-Butylbenzene	21.8	1.00	20.00	0	109	68.2	131				
1,2,3-Trichloropropane	20.6	1.00	20.00	0	103	67.7	131				
1,2,4-Trichlorobenzene	21.1	2.00	20.00	0	106	67.6	129				
sec-Butylbenzene	21.0	1.00	20.00	0	105	72	129				
4-Isopropyltoluene	20.2	1.00	20.00	0	101	69.2	130				
1,3-Dichlorobenzene	20.1	1.00	20.00	0	100	72.4	129				
1,4-Dichlorobenzene	20.3	1.00	20.00	0	101	70.6	128				
n-Butylbenzene	20.7	1.00	20.00	0	104	73.8	127				
1,2-Dichlorobenzene	20.7	1.00	20.00	0	103	74.2	129				
1,2-Dibromo-3-chloropropane	18.1	1.00	20.00	0	90.6	63.1	136				
1,2,4-Trimethylbenzene	21.1	1.00	20.00	0	105	73.4	127				
Hexachlorobutadiene	21.6	4.00	20.00	0	108	58.6	138				
Naphthalene	21.0	1.00	20.00	0	105	45.2	144				
1,2,3-Trichlorobenzene	22.4	4.00	20.00	0	112	50.2	139				
Surr: Dibromofluoromethane	23.7		25.00		94.9	45.4	152				
Surr: Toluene-d8	22.4		25.00		89.7	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		101	64.2	128				

Sample ID: **MB-R24200** SampType: **MBLK** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **MBLKW** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458193**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R24200** SampType: **MBLK** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **MBLKW** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458193**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	ND	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0600									
Chlorobenzene	ND	1.00									

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R24200** SampType: **MBLK** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **MBLKW** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458193**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	24.6		25.00		98.3	45.4	152				
Surr: Toluene-d8	24.2		25.00		96.8	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	24.1		25.00		96.3	64.2	128				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508106-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458171**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508106-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458171**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.8		25.00		99.2	45.4	152		0		
Surr: Toluene-d8	25.2		25.00		101	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	24.2		25.00		96.8	64.2	128		0		

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508106-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/13/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/13/2015** SeqNo: **458171**

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

Sample ID: **1508106-002BMS** SampType: **MS** Units: **µg/L** Prep Date: **8/14/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/14/2015** SeqNo: **458173**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	15.8	1.00	20.00	0	79.2	33.3	122				
Chloromethane	18.4	1.00	20.00	0	92.0	48.2	145				
Vinyl chloride	21.6	0.200	20.00	0	108	58.1	158				
Bromomethane	20.6	1.00	20.00	0	103	31.5	135				
Trichlorofluoromethane (CFC-11)	21.2	1.00	20.00	0	106	54.7	138				
Chloroethane	25.0	1.00	20.00	0	125	49.9	143				
1,1-Dichloroethene	20.9	1.00	20.00	0.1600	104	63	141				
Methylene chloride	17.4	1.00	20.00	0	87.1	61.6	135				
trans-1,2-Dichloroethene	19.8	1.00	20.00	0	98.8	63.5	138				
Methyl tert-butyl ether (MTBE)	17.2	1.00	20.00	0	86.2	60.9	132				
1,1-Dichloroethane	24.4	1.00	20.00	2.760	108	67.8	136				
2,2-Dichloropropane	16.7	2.00	20.00	0	83.6	31.5	121				
cis-1,2-Dichloroethene	18.0	1.00	20.00	0	89.9	67.1	123				
Chloroform	19.2	1.00	20.00	0	96.0	66.7	136				
1,1,1-Trichloroethane (TCA)	21.8	1.00	20.00	0.7300	105	64.2	146				
1,1-Dichloropropene	21.0	1.00	20.00	0	105	73.8	136				
Carbon tetrachloride	20.7	1.00	20.00	0	104	62.7	146				
1,2-Dichloroethane (EDC)	20.1	1.00	20.00	0.2100	99.6	63.4	137				
Benzene	19.8	1.00	20.00	0	99.2	65.4	138				
Trichloroethene (TCE)	20.3	0.500	20.00	0.2300	100	60.4	134				
1,2-Dichloropropane	18.1	1.00	20.00	0	90.7	62.6	138				
Bromodichloromethane	19.9	1.00	20.00	0	99.4	59.4	139				
Dibromomethane	17.2	1.00	20.00	0	85.8	63.6	139				
cis-1,3-Dichloropropene	19.6	1.00	20.00	0	98.0	63.8	132				
Toluene	18.4	1.00	20.00	0	92.2	64	139				
trans-1,3-Dichloropropene	17.8	1.00	20.00	0	88.8	57.7	125				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508106-002BMS** SampType: **MS** Units: **µg/L** Prep Date: **8/14/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/14/2015** SeqNo: **458173**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	17.5	1.00	20.00	0	87.6	59.4	127				
1,3-Dichloropropane	18.2	1.00	20.00	0	91.2	64.3	135				
Tetrachloroethene (PCE)	19.9	1.00	20.00	0	99.6	50.3	133				
Dibromochloromethane	19.3	1.00	20.00	0	96.7	61.6	139				
1,2-Dibromoethane (EDB)	18.6	0.0600	20.00	0	93.2	63.2	134				
Chlorobenzene	20.1	1.00	20.00	0	101	65.8	134				
1,1,1,2-Tetrachloroethane	20.3	1.00	20.00	0	102	65.4	135				
Ethylbenzene	20.7	1.00	20.00	0	104	64.5	136				
m,p-Xylene	42.5	1.00	40.00	0	106	63.3	135				
o-Xylene	20.9	1.00	20.00	0	104	65.4	134				
Styrene	20.4	1.00	20.00	0	102	59.1	134				
Isopropylbenzene	20.5	1.00	20.00	0	103	56	147				
Bromoform	16.9	1.00	20.00	0.6900	80.9	57.7	139				
1,1,2,2-Tetrachloroethane	16.6	1.00	20.00	0	83.0	59.8	146				
n-Propylbenzene	20.6	1.00	20.00	0	103	57.6	142				
Bromobenzene	19.2	1.00	20.00	0	95.9	63.6	130				
1,3,5-Trimethylbenzene	20.4	1.00	20.00	0	102	59.9	136				
2-Chlorotoluene	19.7	1.00	20.00	0	98.6	61.7	134				
4-Chlorotoluene	19.9	1.00	20.00	0	99.6	58.4	134				
tert-Butylbenzene	21.0	1.00	20.00	0	105	66.8	141				
1,2,3-Trichloropropane	17.8	1.00	20.00	0	88.8	62.4	129				
1,2,4-Trichlorobenzene	13.6	2.00	20.00	0	68.1	50.9	133				
sec-Butylbenzene	21.2	1.00	20.00	0	106	56	146				
4-Isopropyltoluene	18.7	1.00	20.00	0.1100	93.2	56.4	136				
1,3-Dichlorobenzene	19.2	1.00	20.00	0	96.0	58.2	128				
1,4-Dichlorobenzene	18.6	1.00	20.00	0	93.3	60.1	123				
n-Butylbenzene	19.7	1.00	20.00	0	98.6	54.6	135				
1,2-Dichlorobenzene	19.0	1.00	20.00	0	94.8	65.4	133				
1,2-Dibromo-3-chloropropane	15.0	1.00	20.00	0	75.2	51.8	142				
1,2,4-Trimethylbenzene	19.4	1.00	20.00	0	96.8	63.7	132				
Hexachlorobutadiene	16.6	4.00	20.00	0	83.1	58.1	130				

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508106-002BMS** SampType: **MS** Units: **µg/L** Prep Date: **8/14/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/14/2015** SeqNo: **458173**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	10.6	1.00	20.00	0.3800	51.0	54.5	132				S
1,2,3-Trichlorobenzene	9.91	4.00	20.00	0.5700	46.7	57	131				S
Surr: Dibromofluoromethane	25.0		25.00		100	45.4	152				
Surr: Toluene-d8	25.4		25.00		101	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.5		25.00		102	64.2	128				

Sample ID: **1508123-004BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/14/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/14/2015** SeqNo: **458183**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508123-004BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/14/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/14/2015** SeqNo: **458183**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1508123-004BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/14/2015** RunNo: **24200**
Client ID: **BATCH** Batch ID: **R24200** Analysis Date: **8/14/2015** SeqNo: **458183**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	25.9		25.00		103	45.4	152		0		
Surr: Toluene-d8	26.5		25.00		106	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	23.9		25.00		95.5	64.2	128		0		

Date: *8/17/2015*

Work Order: 1508074
CLIENT: Kane Environmental, Inc.
Project: 1110 MLK Jr. Way - 68903

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID: **1508074-001ADUP** SampType: **DUP** Units: **wt%** Prep Date: **8/10/2015** RunNo: **24102**
Client ID: **KSB-1:6** Batch ID: **R24102** Analysis Date: **8/10/2015** SeqNo: **456469**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.5	0.500						14.79	11.1	20	

Sample ID: **1508074-014ADUP** SampType: **DUP** Units: **wt%** Prep Date: **8/10/2015** RunNo: **24102**
Client ID: **KSB-6:8** Batch ID: **R24102** Analysis Date: **8/10/2015** SeqNo: **456480**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	29.6	0.500						29.87	1.03	20	

Sample Log-In Check List

Client Name:	**KANE**	Work Order Number:	**1508074**
Logged by:	**Erica Silva**	Date Received:	**8/7/2015 4:23:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
		Please refer to Item Information		
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	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:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler 1	14.1
Cooler 2	11.9
Sample 1	15.1
Sample 2	13.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): 1508074

Date: 8/7/2015 Page 1 of 4

Client: Kane Environmental
Address:
City, State, Zip:
Tel: Fax:

Project Name: 1110 MLK Jr. Way - 68903
Project No: 68903 Collected by: EN
Location: Seattle
Reports To (PM): Eric Nassau
Email:

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SEMI VOC (EPA 8270 - SIM)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020) / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments/Depth
1	KSB-1: 6	8/7	0915	S		X			X									
2	KSB-1: 10		0920			X			X									
3	KSB-1: 14		0930															
4	KSB-2: 4		1010															
5	KSB-2: 6		1015			X			X									
6	KSB-2: 10		1020			X			X									
7	KSB-2: 15		1030															
8	KSB-3: 9		1140			X			X									
9	KSB-3: 14		~~1150~~ 1110			X			X									
10	KSB-4: 9		1140			X			X									

**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.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x	8/7/15 1623		8/7/15 16:23
Relinquished	Date/Time	Received	Date/Time
x			

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD

^Please confirm with the lab in advance

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

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (Internal): 1506074

Date: 8/7/15

Page: 2 of: 4

Client: Kane Env

Address:

City, State, Zip

Tel: Fax:

Project Name: 1110 MLK Jr Way - 68903

Project No: 68903 Collected by: EM

Location: Seattle

Reports To (PM): Eric Nerrain

Email:

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solic, W = Waste, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Strom Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SIM) VOC (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020) / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)				Comments/Depth
1	KSB-4.14	8/7	1150	S	X				X												
2	KSB-5.5		1215		X				X												
3	KSB-5.14		1225		X				X												
4	KSB-6.8		1255		X				X												
5	KSB-6.14		1305		X				X												
6	KSB-7.3		1320		X				X				X								
7	KSB-7.8		1325		X				X				X								
8	KSB-7.12		1330		X				X		Em										hold Em
9	KSB-8.3		1350		X				X				X								
10	KSB-8.8	↓	1400	↓	X				X				X								

**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.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks

Relinquished	Date/Time	Received	Date/Time
x	8/7/15 1623	x	8/7/15 16:23
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

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

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): 1505074

Date: 8/7/15 Page: 3 of: 4

Client: Kane Environmental
Address:
City, State, Zip:
Tel: Fax:

Project Name: 1110 MLK Jr Way - 68903
Project No: 68903 Collected by: Eric
Location: Seattle
Reports To (PM): Eric
Email:

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SEMI VOC (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6010 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments/Depth
1	KSB-8'12	8/7	1405	S														
2	KSB-9:1.5		1425			X				X								
3	KSB-9:9		1430			X				X								
4	KSB-10:8		1450			X				X								
5	KSB-10:14		1500			X				X								
6																		
7																		
8																		
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.)

Turnaround times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x	8/7/15 1623	x	8/7/15 16:23
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT -> SameDay* NextDay* 2 Day 3 Day STD

*Please coordinate with the lab in advance

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

Fremont analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (Internal): 1506074

Date: 8/7/15

Page: 4 of: 4

Client: Kane Env

Address:

City, State, Zip

Tel: Fax:

Project Name: 1110 MLK Jr Way-68903

Project No: 68903

Location: Seattle

Reports To (PM): Eric

Collected by: Eric

Email:

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel-Heavy Oil Range Organics (DX)	SEMI VOC (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020 / 200.8)	Total (T) (Dissolved (D))	Anions (IC)***	EDB (8011)	Comment:/Depth
1 KSB-1:W	8/7	0945	W	X	X				X								
2 KSB-2:W		1035		X													
3 KSB-3:W		1130															
4 KSB-4:W		1200															
5 KSB-5:W		1245															
6 KSB-6:W		1315															
7 KSB-7:W		1340											X				
8 KSB-8:W		1415											X				
9 KSB-9:W		1440															
10 KSB-10:W	↓	1510	↓	X	↓				↓								

**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.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks: Cub Filter Dissolved Pb

Relinquished	Date/Time	Received	Date/Time
x Eric	8/7/15 1623	x	8/7/15 1623
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT -> SameDay* NextDay* 2 Day 3 Day STD

*Please coordinate with the lab in advance

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

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): 1508074 A

Date: 8/7/2015 Page: 1 of: 4

Client: Kane Environmental
Address:
City, State, Zip
Tel: Fax:

Project Name: 1110 MLK Jr. Way - 68903
Project No: 68903
Location: Seattle
Reports To (PM): Eric Nassen
Email:
Collected by: EN

*Matrix Codes: A = Air; AQ = Aqueous; B = Bulk; O = Other; P = Product; S = Soil; SD = Sediment; SL = Solid; W = Water; DW = Drinking Water; GW = Ground Water; WW = Waste Water; SW = Storm Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SEMI VOA (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	8260 + Breakdown			Comments/Depth
1 KSB-1:6	8/7	0915	S	X				X									⊗				⊗ Add Analysis per client request 8/7/15 CW
2 KSB-1:10		0920		X				X									⊗				
3 KSB-1:14		0930																			
4 KSB-2:4		1010																			
5 KSB-2:6		1015		X				X									⊗				
6 KSB-2:10		1020		X				X													
7 KSB-2:15		1030																			
8 KSB-3:9		1100		X				X													
9 KSB-3:14		1110		X				X									⊗				
10 KSB-4:9		1140		X				X													

**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.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x	8/7/15 1623	x	8/7/15 16:23
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

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

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): 1508074

Date: 8/7/15 Page: 2 of: 4

Client: Kane Env
Address:
City, State, Zip
Tel: Fax:

Project Name: 1110 MLK Jr Way – 68903
Project No: 68903 Collected by: EM
Location: Seattle
Reports To (PM): Eric Nelson
Email:

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SEMIVOC (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020) / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	8260's breakdown				Comments/Depth
1	KSB-4.14	8/7	1150	S	X				X														
2	KSB-5.5		1215		X				X														
3	KSB-5.14		1225		X				X														
4	KSB-6.8		1255		X				X														
5	KSB-6.14		1305		X				X									⊗					
6	KSB-7.3		1320		X				X				X										
7	KSB-7.8		1325		X				X				X										
8	KSB-7.12		1330		X				X		EM												hold EM
9	KSB-8.3		1350		X				X				X					⊗					
10	KSB-8.5	✓	1400		X				X				X										

**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: x [signature] Date/Time: 8/7/15 1623
Received: x [signature] Date/Time: 8/7/15 1623
Relinquished: x Date/Time:
Received: x Date/Time:

Turn around times for samples received after 8:00am will begin on the following business day.

Special Remarks:

TAT = SameDay^ NextDay^ 2 Day 3 Day STD
^Please coordinate with the lab in advance

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

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Laboratory Project No (internal): 1508074

Date: 8/7/15

Page: 3 of: 4

Client: Kane Environmental
Address:
City, State, Zip
Tel: Fax:

Project Name: 1110 MLK Jr Way – 68903
Project No: 68903
Location: Seattle
Reports To (PM): Eric
Email:
Collected by: Eric

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SEMI VOC (EPA 8270 - SIM)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020) / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	RUSH - breakdown	Comments/Depth
1	KSB-8:12	8/7	1405	S																
2	KSB-9:1.5		1425			X			X											
3	KSB-9:9		1430			X			X											
4	KSB-10:8		1450			X			X										⊗	
5	KSB-10:14		1500			X			X										⊗	
6																			⊗	
7																				
8																				
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)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x	8/7/15 1623	x	8/7/15 16:23
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

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

Fremont Analytical

Chain of Custody Record

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 8/7/15

Laboratory Project No (internal): 1508074

Page: 4 of: 4

Client: Kane Env
Address:
City, State, Zip
Tel:
Fax:

Project Name: 1110 MLK Jr Way-68903
Project No: 68903
Collected by: Em
Location: Seattle
Reports To (PM): Em
Email:

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Strom Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	ask 1 breakdown				Comments/Depth
1	KSB-1:W	8/7	0945	W	X	X				X												
2	KSB-2:W		1035		X																	
3	KSB-3:W		1130															⊗				
4	KSB-4:W		1200															⊗				
5	KSB-5:W		1245															⊗				
6	KSB-6:W		1315															⊗				
7	KSB-7:W		1340												X			⊗				
8	KSB-8:W		1415												X			⊗				
9	KSB-9:W		1440															⊗				
10	KSB-10:W		1510		X													⊗				

(Sample Date, Sample Type, GX/BTEX and Diesel/Heavy Oil entries marked with vertical lines from row 1 down to row 10; "Dissolved (D)" circled.)

**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 circled) 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.)

Turn-around times for samples received after 4:00pm will begin on the following business day

Special Remarks: Lab Filter Dissolved Pb

Relinquished x [signature] Date/Time 8/7/15 1623
Received x [signature] Date/Time 8/7/15 1623
Relinquished x Date/Time
Received x Date/Time

TAT -> SameDay^ NextDay^ 2 Day 3 Day (STD circled)
^Please coordinate with the lab in advance

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

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