

NW 2750



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MEMORANDUM

To: Mr. Eugene Shin

From: Mr. Luke Martinkosky, Kane Environmental, Inc. *Luke Martinkosky*

Date: June 23, 2008

Re: Limited Phase II Site Assessment Results Data Report

FIGURES

- Figure 1 – Vicinity Map
- Figure 2 – Monitoring Well and Soil Boring Location Map

TABLES

- Table 1 – Summary of Petroleum Products and BTEX in Soil
- Table 2 – Summary of Volatile Organic Compounds in Soil
- Table 3 – Summary of Petroleum Products and BTEX in Groundwater
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ATTACHMENTS

- Attachment A – Laboratory Analytical Package
- Attachment B – Monitoring Well Schematics and Soil Boring Logs

Kane Environmental, Inc. (Kane Environmental) is pleased to present this memorandum regarding the analytical results from the Limited Phase II Site Assessment conducted on June 9, 2008 and June 11, 2008 at 9416 Rainier Avenue South (Property) in Seattle, Washington (Figure 1).

On June 9, 2008, in order to characterize the soil and groundwater conditions on the Property, Kane Environmental installed a total of three monitoring wells using a Direct Push drill rig in the area to the east and north of the building located on the Property. A total of one soil boring was advanced inside the building using a Rotohammer. Monitoring well KMW-1 was located in the southeast portion of the area east of the building and advanced to a depth of twenty-four (24) feet below ground surface (bgs). KMW-2 was located approximately 40 feet directly north of KMW-1 and was advanced to a depth of twenty-four (24) feet bgs. KMW-3 was located in the eastern portion of the area to then north of the building and advanced to a depth of twenty-four (24) feet bgs. Soil boring KSB-1 was located in the northwest portion of the building and

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advanced to a depth of five (5) bgs. On June 11, 2008, groundwater samples from KMW-1, KMW-2 and KMW-3 were collected. The location of each monitoring well and soil boring can be found in Figure 2. Monitoring well and soil borehole logs are provided as Attachment B.

Field methods utilized, including sample collection, field screening, selected analysis, and documentation procedures are briefly described in the following subsections. Sample collection and documentation were completed in accordance with Kane Environmental standard operating procedures.

Soil sampling nomenclature identified each soil sample with a "KMW" for samples from monitoring well borings and "KSB" for samples from the soil boring. Following this designation was a number which corresponded to that particular boring. The last number designated the sample depth. For example, soil sample "KMW-2-16" was the second monitoring well boring and the sample was collected sixteen feet bgs.

Soil encountered during the Supplemental Phase II Assessment on May 29, 2008 was brown fine to coarse-grained sands with a trace of silt and gravel, loose to dense, and dry to moist. Soil samples were obtained utilizing the collection, preparation and preservation methods outlined in EPA Method 5035A, as required by the Washington State Department of Ecology. The soil samples were immediately placed into an ice-filled cooler and transported to ESN, Northwest in Olympia, Washington under Kane Environmental chain-of-custody procedures.

Following collection, samples were inspected for any indication of contamination (discoloration and/or odor). Each sample was visually inspected for any indication of contamination (staining, discoloration), and screened for the presence of volatile organic vapors with a hand-held photoionization detector (PID). Kane Environmental did not observe any discoloration in any of the soil samples collected.

Groundwater samples were collected from each of the three wells on June 11, 2008. A peristaltic pump was used to purge three well volumes from each monitoring well prior to sampling. The peristaltic pump was fitted with new Masterflex tubing prior to purging and sample collection and the groundwater sampled was collected in pre-cleaned laboratory prepared containers with Teflon libs. The water samples were immediately placed into an ice-filled cooler and transported to Fremont Analytical in Seattle, Washington under Kane Environmental chain-of-custody procedures.

Soil samples were submitted to the laboratory and analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260; Diesel and Oil using EPA Method NWTPH-Dx/Dx Extended; and Gasoline using EPA Method NWTPH-Gx. All analyses were performed in accordance with ESN Northwest's in-house Quality Assurance/Quality Control Plans. Groundwater samples were submitted to the laboratory and analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260; Diesel and Oil using EPA Method NWTPH-Dx/Dx Extended; and Gasoline using EPA Method NWTPH-Gx. All analyses were performed in accordance with Fremont Analytical'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.

## **FINDINGS**

The soil samples collected from two, and eleven feet bgs from KMW-1 reported non-detectable concentrations of all analytes. The groundwater sample collected from KMW-1 reported non-detectable concentrations for all analytes, except concentrations of ethylbenzene (3.1 ppb), naphthalene (39 ppb), 1,2,4-trimethylbenzene (2.7ppb), total xylenes (4.1 ppb), gasoline (630 ppb) and diesel (910 ppb). Only the concentration of diesel was above the MTCA Method A Groundwater Cleanup Level for Unrestricted Land Use of 500 ppb.

A soil sample collected ten feet bgs from KMW-2 reported non-detectable concentrations of all analytes. The water sample collected from KMW-2 reported non-detectable concentrations for all analytes, except a gasoline concentration of 150 ppb, below the MTCA Method A Groundwater Cleanup Level for Unrestricted Land Use of 1,000 ppb.

A soil sample collected twenty feet bgs from KMW-3 reported non-detectable concentrations of all analytes. The water sample collected from KMW-3 reported non-detectable concentrations for all analytes, except a gasoline concentration of 110 ppb and a duplicate lab sample reported a concentration of 100 ppb, below the MTCA Method A Groundwater Cleanup Level for Unrestricted Land Use.

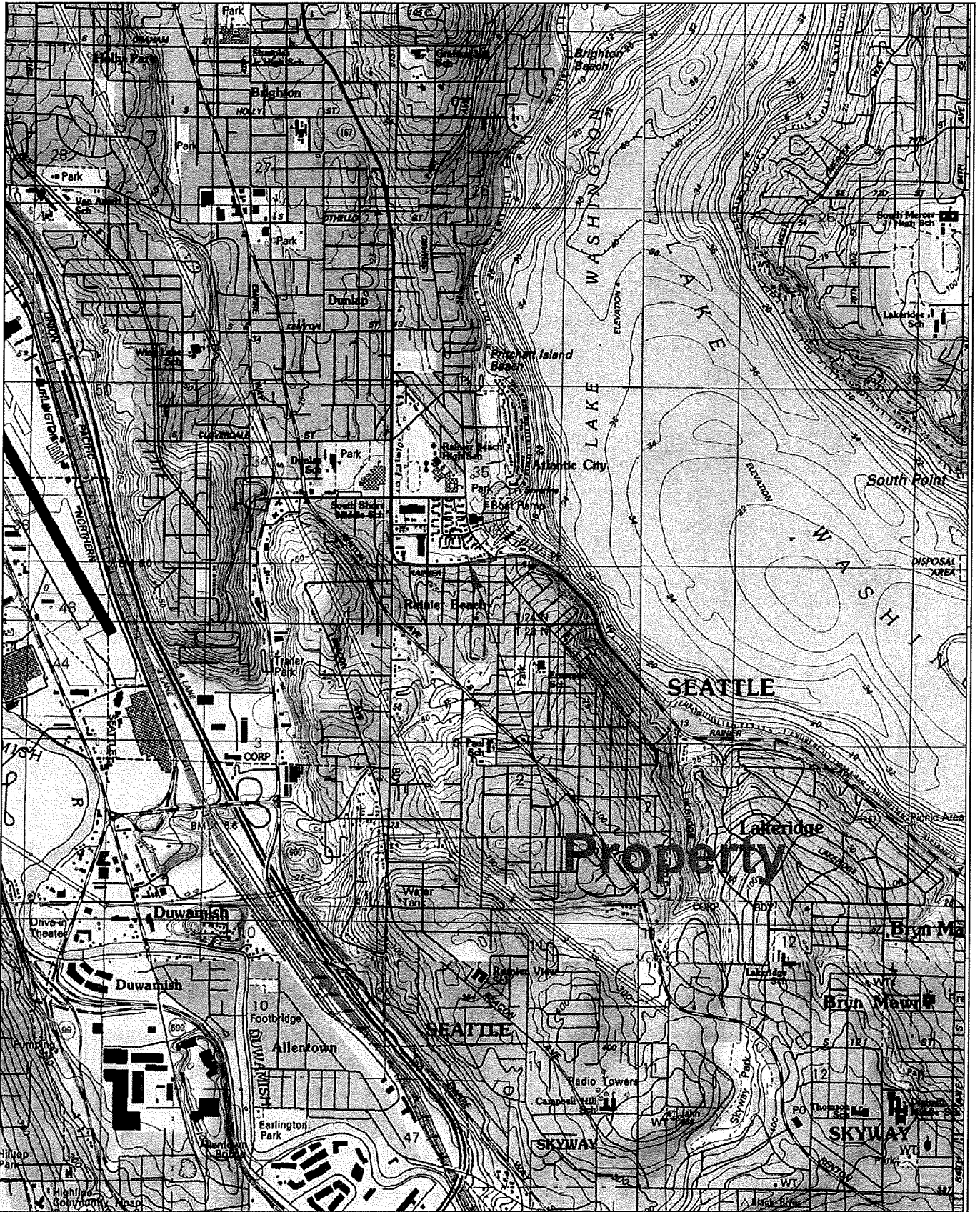
A soil sample collected five feet bgs from KSB-1 reported non-detectable concentrations of all analytes, except benzene and ethylbenzene. The reported concentration of benzene was 0.02 ppm and the concentration of ethylbenzene was 0.22, respectively, below the MTCA Method A Soil Cleanup Level. No groundwater samples were collected from KSB-1. A summary of

Limited Phase II Site Assessment Results  
Living Color Beauty Supply  
9416 Rainier Avenue South  
Seattle, Washington

analytical results for gasoline, diesel and VOCs in soil and groundwater is presented in Tables 1-4. The laboratory analytical reports are included as Attachment A.

Based on the analytical results, no soil is contaminated above MTCA Method A Soil Cleanup Levels for any analytes. Groundwater contaminated with diesel is present in KMW-1. The full extent of the diesel contaminated groundwater is unknown.

## FIGURES



Limited Phase II Site Assessment  
 Living Color Beauty Supply  
 9416 Rainier Avenue South  
 Seattle, Washington

Figure 1  
 Vicinity Map



0 60 120  
 Approximate Scale in Feet

- **KSB-3** = Kane Environmental Soil Boring Location and Identification
- **SB** = Soil Boring Location by Others



Limited Phase II Site Assessment  
 Living Color Beauty Supply  
 9416 Rainier Avenue South  
 Seattle, Washington

Figure 2  
 Site Plan & Soil Boring Locations

## **TABLES**

**TABLE 1**  
**Summary of Petroleum Products and BTEX in Soil**  
**9416 Rainier Ave. South**  
**Seattle, Washington**

<i>Sample ID</i>	<i>Sample Depth</i>	<i>Sample Date</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethylbenzene</i>	<i>Total Xylenes</i>	<i>Gasoline</i>	<i>Diesel/Fuel oil</i>	<i>Motor oil</i>	<i>Mineral Oil</i>
	<i>(in feet)</i>		<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>
KMW-1-3,2**	3	6/10/2008	nd	nd	nd	nd	nd	nd	nd	nd
KMW-1-11**	11	6/10/2008	nd	nd	nd	nd	nd	nd	nd	nd
KMW-2-10**	10	6/10/2008	nd	nd	nd	nd	nd	nd	nd	nd
KMW-3-20**	20	6/10/2008	nd	nd	nd	nd	nd	nd	nd	nd
KMW-3-20 Dup.**	20	6/10/2008	nd	nd	nd	nd	nd	nd	nd	nd
KSB-1-5**	5	6/10/2008	0.02	nd	0.22	nd	nd	nd	nd	nd
<i>Method Reporting Limit</i>			<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.06</i>	<i>5</i>	<i>20</i>	<i>40</i>	<i>40</i>
<i>MTCA Method A Cleanup Level for Unrestricted Land Use</i>			<i>0.03</i>	<i>7</i>	<i>6</i>	<i>9</i>	<i>30</i>	<i>2,000</i>	<i>2,000</i>	<i>4000</i>

**Notes:**

mg/kg = milligrams per kilogram [equivalent to parts per million (ppm)]

mg/L = milligrams per liter [equivalent to parts per billion (ppb)]

– = Not analyzed.

NV = no value for cleanup level

Shaded and Bold concentrations are above MTCA Method A Cleanup Level for Unrestricted Land Use.

\*\* = Silica gel cleanup performed on the sample.

**Table 2**  
**Summary of Volatile Organic Compounds in Soil**  
**9416 Rainier Ave. South**  
**Seattle, Washington**

Sample ID	KMNV-1,3,2	KMNV-1,11	KMNV-2,10	KMNV-3,20	KSB-1,5	Method Reporting Limit (mg/kg)	MTCM Method A or Method B Cleanup Level (mg/kg)
Sample Depth (in feet)	3	11	10	20	5		
Sample Date (2008)	9-Jun	9-Jun	9-Jun	9-Jun	9-Jun		
Acetone	nd	nd	nd	nd	nd	0.50	8000
Benzene	nd	nd	nd	nd	nd	0.02	0.03
Bromobenzene	nd	nd	nd	nd	nd	0.05	NV
Bromochloromethane	nd	nd	nd	nd	nd	0.05	NV
Bromodichloromethane	nd	nd	nd	nd	nd	0.05	16.1
Bromoform	nd	nd	nd	nd	nd	0.05	127
Bromomethane	nd	nd	nd	nd	nd	0.05	112
2-Butanone (MEK)	nd	nd	nd	nd	nd	0.50	NV
n-Butylbenzene	nd	nd	nd	nd	nd	0.05	NV
sec-Butylbenzene	nd	nd	nd	nd	nd	0.05	NV
tert-Butylbenzene	nd	nd	nd	nd	nd	0.05	NV
Carbon Tetrachloride	nd	nd	nd	nd	nd	0.05	8
Chlorobenzene	nd	nd	nd	nd	nd	0.05	1,600
Chloroethane	nd	nd	nd	nd	nd	0.05	NV
Chloroform	nd	nd	nd	nd	nd	0.05	164
Chloromethane	nd	nd	nd	nd	nd	0.05	77
2-Chlorotoluene	nd	nd	nd	nd	nd	0.05	1,600
4-Chlorotoluene	nd	nd	nd	nd	nd	0.05	1,600
Dibromochloromethane	nd	nd	nd	nd	nd	0.05	12
1,2-Dibromo-3-chloropropane	nd	nd	nd	nd	nd	0.05	1
1,2-Dibromoethane (EDB)	nd	nd	nd	nd	nd	0.01	0.005
Dibromomethane	nd	nd	nd	nd	nd	0.05	NV
1,2-Dichlorobenzene	nd	nd	nd	nd	nd	0.05	7,200
1,3-Dichlorobenzene	nd	nd	nd	nd	nd	0.05	NV
1,4-Dichlorobenzene	nd	nd	nd	nd	nd	0.05	42
Dichlorodifluoromethane	nd	nd	nd	nd	nd	0.05	16,000
1,1-Dichloroethane	nd	nd	nd	nd	nd	0.05	8,000
1,2-Dichloroethane	nd	nd	nd	nd	nd	0.05	11
1,1-Dichloroethene	nd	nd	nd	nd	nd	0.05	2
cis-1,2-Dichloroethene	nd	nd	nd	nd	nd	0.05	800
trans-1,2-Dichloroethene	nd	nd	nd	nd	nd	0.05	1,600
1,2-Dichloropropane	nd	nd	nd	nd	nd	0.05	15
1,3-Dichloropropane	nd	nd	nd	nd	nd	0.05	NV
2,2-Dichloropropane	nd	nd	nd	nd	nd	0.05	NV
1,1-Dichloropropene	nd	nd	nd	nd	nd	0.05	NV
cis-1,3-Dichloropropene	nd	nd	nd	nd	nd	0.05	5.56
trans-1,3-Dichloropropene	nd	nd	nd	nd	nd	0.05	5.56
Ethylbenzene	nd	nd	nd	nd	0.22	0.05	6
Hexachlorobutadiene	nd	nd	nd	nd	nd	0.05	12.8
n-Hexane	nd	nd	nd	nd	nd	0.05	4800
2-Hexanone	nd	nd	nd	nd	nd	0.05	NV
Isopropylbenzene	nd	nd	nd	nd	nd	0.05	NV
Isopropyltoluene	nd	nd	nd	nd	nd	0.05	NV
Methylene Chloride	nd	nd	nd	nd	nd	0.50	0.02
4-Methyl-2-Pentanone (MIBK)	nd	nd	nd	nd	nd	0.05	NV
Methyl-t-butyl ether (MTBE)	nd	nd	nd	nd	nd	0.05	0.1
Naphthalene	nd	nd	nd	nd	nd	0.05	5 <sup>a</sup>
n-Propylbenzene	nd	nd	nd	nd	nd	0.05	NV
Styrene	nd	nd	nd	nd	nd	0.05	33
1,1,1,2-Tetrachloroethane	nd	nd	nd	nd	nd	0.05	38
1,1,2,2-Tetrachloroethane	nd	nd	nd	nd	nd	0.05	5
Tetrachloroethylene (PCE)	nd	nd	nd	nd	nd	0.02	0.05
Toluene	nd	nd	nd	nd	nd	0.05	7
1,2,3-Trichlorobenzene	nd	nd	nd	nd	nd	0.05	NV
1,2,4-Trichlorobenzene	nd	nd	nd	nd	nd	0.05	800
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	0.05	72,000
1,1,2-Trichloroethane	nd	nd	nd	nd	nd	0.05	18
Trichloroethene (TCE)	nd	nd	nd	nd	nd	0.02	0.03
Trichlorofluoromethane	nd	nd	nd	nd	nd	0.05	24,000
1,2,3-Trichloropropane	nd	nd	nd	nd	nd	0.05	0.14
1,2,4-Trimethylbenzene	nd	nd	nd	nd	nd	0.05	NV
1,3,5-Trimethylbenzene	nd	nd	nd	nd	nd	0.05	NV
Vinyl Chloride	nd	nd	nd	nd	nd	0.01	0.67
Xylenes	nd	nd	nd	nd	nd	0.05	9

Notes:  
All results reported in mg/kg (milligrams per kilogram)  
nd = Not detected at method reporting limit.  
NV = No cleanup value under this criteria.

**TABLE 3**  
**Summary of Petroleum Products and BTEX in Groundwater**  
**9416 Rainier Ave. South**  
**Seattle, Washington**

<i>Sample ID</i>	<i>Sample Date</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethylbenzene</i>	<i>Total Xylenes</i>	<i>Gasoline</i>	<i>Diesel/Fuel oil</i>	<i>Motor oil</i>	<i>Mineral Oil</i>
		<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>
KMW-1-W	6/11/2008	nd	nd	3.1	4.1	630	<b>910</b>	nd	nd
KMW-2-W	6/11/2008	nd	nd	nd	nd	150	nd	nd	nd
KMW-3-W	6/11/2008	nd	nd	nd	nd	110	nd	nd	nd
KMW-3-W Duplicate	6/11/2008	nd	nd	nd	nd	100	nd	nd	nd
<i>Method Reporting Limit</i>		<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>100</i>	<i>200</i>	<i>400</i>	<i>500</i>
<i>MTCA Method A Cleanup Level for Groundwater</i>		<i>5</i>	<i>1000</i>	<i>700</i>	<i>1000</i>	<i>1000</i>	<i>500</i>	<i>500</i>	<i>500</i>

*Notes:*

ug/L = micrograms per liter (equivalent to parts per billion)

nd = No value detected at method reporting limit.

Shaded and Bold concentrations are above MTCA Method Cleanup Level for Groundwater.

**TABLE 4**  
**Summary of Volatile Organic Compounds in Groundwater**  
**9416 Rainier Ave. South**  
**Seattle, Washington**

Sample ID	KMW-1-W	KMW-2-W	KMW-2-W Duplicate	KMW-3-W	Method Reporting Limit	MTCA Method A or Method B Cleanup Level for Groundwater (ppb)
Date	6/11/08	6/11/08	6/11/08	6/11/08		
Benzene	nd	nd	nd	nd	1.0	5
Bromobenzene	nd	nd	nd	nd	1.0	NV
Bromodichloromethane	nd	nd	nd	nd	1.0	0.706
Bromoform	nd	nd	nd	nd	1.0	5.54
Bromomethane	nd	nd	nd	nd	1.0	11.2
n-Butylbenzene	nd	nd	nd	nd	1.0	NV
sec-Butylbenzene	nd	nd	nd	nd	1.0	NV
tert-Butylbenzene	nd	nd	nd	nd	1.0	NV
Carbon Tetrachloride	nd	nd	nd	nd	1.0	0.337
Chlorobenzene	nd	nd	nd	nd	1.0	160
Chloroethane	nd	nd	nd	nd	1.0	NV
Chloroform	nd	nd	nd	nd	1.0	7.17
Chloromethane	nd	nd	nd	nd	1.0	3.37
2-Chlorotoluene	nd	nd	nd	nd	1.0	NV
4-Chlorotoluene	nd	nd	nd	nd	1.0	NV
Dibromochloromethane	nd	nd	nd	nd	1.0	0.521
1,2-Dibromo-3-chloropropane	nd	nd	nd	nd	1.0	0.0313
1,2-Dibromoethane (EDB)	nd	nd	nd	nd	0.01	0.01
Dibromomethane	nd	nd	nd	nd	1.0	NV
1,2-Dichlorobenzene	nd	nd	nd	nd	1.0	720
1,3-Dichlorobenzene	nd	nd	nd	nd	1.0	NV
1,4-Dichlorobenzene	nd	nd	nd	nd	1.0	1.82
Dichlorodifluoromethane	nd	nd	nd	nd	1.0	1,600
1,1-Dichloroethane	nd	nd	nd	nd	1.0	800
1,2-Dichloroethane	nd	nd	nd	nd	1.0	5
1,1-Dichloroethene	nd	nd	nd	nd	1.0	0.0729
cis-1,2-Dichloroethene	nd	nd	nd	nd	1.0	80
trans-1,2-Dichloroethene	nd	nd	nd	nd	1.0	160
1,2-Dichloropropane	nd	nd	nd	nd	1.0	0.643
1,3-Dichloropropane	nd	nd	nd	nd	1.0	NV
2,2-Dichloropropane	nd	nd	nd	nd	2.0	NV
1,1-Dichloropropene	nd	nd	nd	nd	1.0	NV
cis-1,3-Dichloropropene	nd	nd	nd	nd	1.0	NV
trans-1,3-Dichloropropene	nd	nd	nd	nd	1.0	NV
Ethylbenzene	3.1	nd	nd	nd	1.0	700
Hexachloro-1,3-butadiene	nd	nd	nd	nd	4.0	0.561
Isopropylbenzene	nd	nd	nd	nd	2.0	NV
4-Isopropyltoluene	nd	nd	nd	nd	1.0	NV
Methylene Chloride	nd	nd	nd	nd	1.0	5
Naphthalene	39	nd	nd	nd	4.0	160 <sup>1</sup>
n-Propylbenzene	nd	nd	nd	nd	1.0	NV
Styrenes	nd	nd	nd	nd	1.0	1.46
1,1,1,2-Tetrachloroethane	nd	nd	nd	nd	1.0	1.68
1,1,2,2-Tetrachloroethane	nd	nd	nd	nd	1.0	0.219
Tetrachloroethene (PCE)	nd	nd	nd	nd	1.0	5
Toluene	nd	nd	nd	nd	1.0	1,000
1,2,3-Trichlorobenzene	nd	nd	nd	nd	4.0	NV
1,2,4-Trichlorobenzene	nd	nd	nd	nd	2.0	80
1,1,1-Trichloroethane	nd	nd	nd	nd	1.0	200
1,1,2-Trichloroethane	nd	nd	nd	nd	1.0	0.768
Trichloroethene (TCE)	nd	nd	nd	nd	1.0	5
Trichlorofluoromethane	nd	nd	nd	nd	1.0	2,400
1,2,3-Trichloropropane	nd	nd	nd	nd	1.0	0.00625
1,2,4-Trimethylbenzene	2.7	nd	nd	nd	1.0	NV
1,3,5-Trimethylbenzene	nd	nd	nd	nd	1.0	NV
Vinyl Chloride	nd	nd	nd	nd	0.2	0.2
Total Xylenes	4.1	nd	nd	nd	1.0	1,000

**Notes:**

Groundwater results reported in ppb.

ppb = Parts per billion (equivalent to micrograms per Liter [ug/L]).

nd = Not detected at method reporting limit.

NV = No cleanup value under this criteria.

1 = Cleanup level is based on a total cleanup level for naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

Shaded and Bold concentrations are above MTCA Method A Cleanup Level for Unrestricted Land Use.

**ATTACHMENT A**  
**LABORATORY ANALYTICAL PACKAGE**

June 13, 2008

Luke Martinkosky  
Kane Environmental, Inc.  
3831 Stone Way Avenue North  
Seattle, WA 98103

Dear Mr. Martinkosky:

Please find enclosed the analytical data report for the Living Color Beauty Supply Project in Seattle, Washington. Probe services were conducted on June 9, 2008. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended with Silica Gel Cleanup and VOC's by Method 8260 on June 10 & 11, 2008.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Kane Environmental, Inc. for this project. It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,



Michael A. Korosec  
*President*

**ESN NORTHWEST CHEMISTRY LABORATORY**

Kane Environmental, Inc.  
LIVING COLOR BEAUTY SUPPLY PROJECT  
Seattle, Washington

ESN Northwest  
1210 Eastside Street SE Suite 200  
Olympia, WA 98501  
(360) 459-4670 (360) 459-3432 Fax  
lab@esnvw.com

**Analyses of Diesel & Oil (NW/TPH-Dx/Dx Extended) in Soil**

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)	Mineral Oil (mg/kg)
Method Blank	6/10/2008	106	nd	nd	nd
KMW-1-3-2**	6/10/2008	82	nd	nd	nd
KMW-1-11**	6/10/2008	81	nd	nd	nd
KMW-2-10**	6/10/2008	73	nd	nd	nd
KMW-3-20**	6/10/2008	75	nd	nd	nd
KMW-3-20 Dup.**	6/10/2008	79	nd	nd	nd
KSB-1-5**	6/10/2008	69	nd	nd	nd
Method Detection Limits			20	40	40

\*\* -Silica gel cleanup performed on the sample.

"nd" Indicates not detected at the listed detection limits.

"Int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY  
 Tel:(425) 957-9872, Fax: (425) 957-9904

Client: Kane Environmental  
 Client Job Name: Living Color Beauty Supply

Analytical Results

NWTPH-Gx, mg/kg	MTH BLK	LCS	KMW-1-3-2	KMW-1-11	KMW-2-10	KMW-3-20	KSB-1-5
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	06/1/108	06/1/108	06/1/108	06/1/108	06/1/108	06/1/108	06/1/108
Date analyzed	06/1/108	06/1/108	06/1/108	06/1/108	06/1/108	06/1/108	06/1/108
Moisture, %	5.0	nd	135%	nd	nd	nd	nd

Surrogate recoveries:

Dibromofluoromethane	127%	120%	120%	119%	119%	119%	121%
Toluene-d8	110%	114%	113%	112%	116%	112%	117%
4-Bromofluorobenzene	98%	100%	101%	102%	103%	100%	104%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits  
 na - not analyzed  
 C - co-elution with sample peaks  
 M - matrix interference  
 J - estimated value  
 Results reported on dry-weight basis  
 Acceptable Recovery limits: 65% TO 135%  
 Acceptable RPD limit: 35%

ESN NORTHWEST CHEMISTRY LABORATORY  
 (425) 957-9872, fax (425) 957-9904

Client: Kane Environmental  
 Client Job Name: Living Color Beauty Supply

Analytical Results

8260, mg/kg	MTH BLK		LCS	KMW-1-3,2	KMW-1-11	KMW-2-10
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/11/08	06/11/08	06/11/08	06/11/08	06/11/08
Date analyzed	Limits	06/11/08	06/11/08	06/11/08	06/11/08	06/11/08
Moisture, %				15%	17%	13%
Dichlorodifluoromethane	0.05	nd		nd	nd	nd
Chloromethane	0.05	nd		nd	nd	nd
Vinyl chloride	0.01	nd		nd	nd	nd
Bromomethane	0.05	nd		nd	nd	nd
Chloroethane	0.05	nd		nd	nd	nd
Trichlorofluoromethane	0.05	nd		nd	nd	nd
Acetone	0.50	nd		nd	nd	nd
1,1-Dichloroethene	0.05	nd	103%	nd	nd	nd
Methylene chloride	0.50	nd		nd	nd	nd
Methyl-t-butyl ether (MTBE)	0.05	nd		nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd		nd	nd	nd
1,1-Dichloroethane	0.05	nd		nd	nd	nd
n-Hexane	0.05	nd		nd	nd	nd
2-Butanone (MEK)	0.50	nd		nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd		nd	nd	nd
2,2-Dichloropropane	0.05	nd		nd	nd	nd
Chloroform	0.05	nd		nd	nd	nd
Bromochloromethane	0.05	nd		nd	nd	nd
1,1,1-Trichloroethane	0.05	nd		nd	nd	nd
1,2-Dichloroethane (EDC)	0.05	nd		nd	nd	nd
1,1-Dichloropropene	0.05	nd		nd	nd	nd
Carbon tetrachloride	0.05	nd		nd	nd	nd
Benzene	0.02	nd	101%	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	99%	nd	nd	nd
1,2-Dichloropropane	0.05	nd		nd	nd	nd
Dibromomethane	0.05	nd		nd	nd	nd
Bromodichloromethane	0.05	nd		nd	nd	nd
4-Methyl-2-pentanone (MIBK)	0.05	nd		nd	nd	nd
cis-1,3-Dichloropropene	0.05	nd		nd	nd	nd
Toluene	0.05	nd	110%	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd		nd	nd	nd
1,1,2-Trichloroethane	0.05	nd		nd	nd	nd
2-Hexanone	0.05	nd		nd	nd	nd
1,3-Dichloropropane	0.05	nd		nd	nd	nd
Dibromochloromethane	0.05	nd		nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd		nd	nd	nd
1,2-Dibromoethane (EDB)	0.01	nd		nd	nd	nd
Chlorobenzene	0.05	nd	114%	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd		nd	nd	nd
Ethylbenzene	0.05	nd		nd	nd	nd
Xylenes	0.05	nd		nd	nd	nd
Styrene	0.05	nd		nd	nd	nd
Bromoform	0.05	nd		nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd		nd	nd	nd
Isopropylbenzene	0.05	nd		nd	nd	nd
1,2,3-Trichloropropane	0.05	nd		nd	nd	nd
Bromobenzene	0.05	nd		nd	nd	nd

ESN NORTHWEST CHEMISTRY LABORATORY  
 (425) 957-9872, fax (425) 957-9904

Client: Kane Environmental  
 Client Job Name: Living Color Beauty Supply

Analytical Results

8260, mg/kg	MTH BLK		LCS	KMW-1-3,2	KMW-1-11	KMW-2-10
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	06/11/08	06/11/08	06/11/08	06/11/08	06/11/08
Date analyzed	Limits	06/11/08	06/11/08	06/11/08	06/11/08	06/11/08
Moisture, %				15%	17%	13%
n-Propylbenzene	0.05	nd		nd	nd	nd
2-Chlorotoluene	0.05	nd		nd	nd	nd
4-Chlorotoluene	0.05	nd		nd	nd	nd
1,3,5-Trimethylbenzene	0.05	nd		nd	nd	nd
tert-Butylbenzene	0.05	nd		nd	nd	nd
1,2,4-Trimethylbenzene	0.05	nd		nd	nd	nd
sec-Butylbenzene	0.05	nd		nd	nd	nd
1,3-Dichlorobenzene	0.05	nd		nd	nd	nd
1,4-Dichlorobenzene	0.05	nd		nd	nd	nd
Isopropyltoluene	0.05	nd		nd	nd	nd
1,2-Dichlorobenzene	0.05	nd		nd	nd	nd
n-Butylbenzene	0.05	nd		nd	nd	nd
1,2-Dibromo-3-Chloropropane	0.05	nd		nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd		nd	nd	nd
Naphthalene	0.05	nd		nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd		nd	nd	nd
1,2,3-Trichlorobenzene	0.05	nd		nd	nd	nd

\*-instrument detection limits

Surrogate recoveries:

Dibromofluoromethane	125%	120%	118%	118%	117%
Toluene-d8	106%	106%	110%	109%	113%
4-Bromofluorobenzene	95%	98%	97%	98%	99%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits  
 J - estimated quantitation, below listed reporting limits  
 Acceptable Recovery limits: 65% TO 135%  
 Acceptable RPD limit: 35%

ESN NORTHWEST CHEMISTRY LABORATORY  
 (425) 957-9872, fax (425) 957-9904

Client: Kane Environmental  
 Client Job Name: Living Color Beauty Supply

Analytical Results

8260, mg/kg	KMW-3-20		KSB-1-5	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	
Date extracted	Reporting	06/11/08	06/11/08	06/11/08	06/11/08	
Date analyzed	Limits	06/11/08	06/11/08	06/11/08	06/11/08	
Moisture, %		15%	21%			
Dichlorodifluoromethane	0.05	nd	nd			
Chloromethane	0.05	nd	nd			
Vinyl chloride	0.01	nd	nd			
Bromomethane	0.05	nd	nd			
Chloroethane	0.05	nd	nd			
Trichlorofluoromethane	0.05	nd	nd			
Acetone	0.50	nd	nd			
1,1-Dichloroethene	0.05	nd	nd	94%	92%	2%
Methylene chloride	0.50	nd	nd			
Methyl-t-butyl ether (MTBE)	0.05	nd	nd			
trans-1,2-Dichloroethene	0.05	nd	nd			
1,1-Dichloroethane	0.05	nd	nd			
n-Hexane	0.05	nd	nd			
2-Butanone (MEK)	0.50	nd	nd			
cis-1,2-Dichloroethene	0.05	nd	nd			
2,2-Dichloropropane	0.05	nd	nd			
Chloroform	0.05	nd	nd			
Bromochloromethane	0.05	nd	nd			
1,1,1-Trichloroethane	0.05	nd	nd			
1,2-Dichloroethane (EDC)	0.05	nd	nd			
1,1-Dichloropropene	0.05	nd	nd			
Carbon tetrachloride	0.05	nd	nd			
Benzene	0.02	nd	0.02	105%	102%	3%
Trichloroethene (TCE)	0.02	nd	nd	98%	95%	3%
1,2-Dichloropropane	0.05	nd	nd			
Dibromomethane	0.05	nd	nd			
Bromodichloromethane	0.05	nd	nd			
4-Methyl-2-pentanone (MIBK)	0.05	nd	nd			
cis-1,3-Dichloropropene	0.05	nd	nd			
Toluene	0.05	nd	nd	106%	106%	0%
trans-1,3-Dichloropropene	0.05	nd	nd			
1,1,2-Trichloroethane	0.05	nd	nd			
2-Hexanone	0.05	nd	nd			
1,3-Dichloropropane	0.05	nd	nd			
Dibromochloromethane	0.05	nd	nd			
Tetrachloroethene (PCE)	0.02	nd	nd			
1,2-Dibromoethane (EDB)	0.01	nd	nd			
Chlorobenzene	0.05	nd	nd	112%	111%	1%
1,1,1,2-Tetrachloroethane	0.05	nd	nd			
Ethylbenzene	0.05	nd	nd			
Xylenes	0.05	nd	0.22			
Styrene	0.05	nd	nd			
Bromoform	0.05	nd	nd			
1,1,2,2-Tetrachloroethane	0.05	nd	nd			
Isopropylbenzene	0.05	nd	nd			
1,2,3-Trichloropropane	0.05	nd	nd			
Bromobenzene	0.05	nd	nd			

ESN NORTHWEST CHEMISTRY LABORATORY  
 (425) 957-9872, fax (425) 957-9904

Client: Kane Environmental  
 Client Job Name: Living Color Beauty Supply

Analytical Results

8260, mg/kg		KMW-3-20	KSB-1-5	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	
Date extracted	Reporting	06/11/08	06/11/08	06/11/08	06/11/08	
Date analyzed	Limits	06/11/08	06/11/08	06/11/08	06/11/08	
Moisture, %		15%	21%			

n-Propylbenzene	0.05	nd	nd		
2-Chlorotoluene	0.05	nd	nd		
4-Chlorotoluene	0.05	nd	nd		
1,3,5-Trimethylbenzene	0.05	nd	nd		
tert-Butylbenzene	0.05	nd	nd		
1,2,4-Trimethylbenzene	0.05	nd	nd		
sec-Butylbenzene	0.05	nd	nd		
1,3-Dichlorobenzene	0.05	nd	nd		
1,4-Dichlorobenzene	0.05	nd	nd		
Isopropyltoluene	0.05	nd	nd		
1,2-Dichlorobenzene	0.05	nd	nd		
n-Butylbenzene	0.05	nd	nd		
1,2-Dibromo-3-Chloropropane	0.05	nd	nd		
1,2,4-Trichlorobenzene	0.05	nd	nd		
Naphthalene	0.05	nd	nd		
Hexachloro-1,3-butadiene	0.05	nd	nd		
1,2,3-Trichlorobenzene	0.05	nd	nd		

\*-instrument detection limits

Surrogate recoveries:

Dibromofluoromethane	119%	119%	117%	117%
Toluene-d8	110%	113%	112%	113%
4-Bromofluorobenzene	97%	100%	102%	100%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits  
 J - estimated quantitation, below listed reporting limits  
 Acceptable Recovery limits: 65% TO 135%  
 Acceptable RPD limit: 35%





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**Kane Environmental, Inc.**  
**Attn: John Kane**  
3831 Stone Way North  
Seattle, WA 98103

**RE: Living Color**  
**Fremont Project No: CHM080611-3**

June 13th, 2008

**John**

Enclosed are the analytical results for the *Living Color* water samples submitted to Fremont Analytical on June 11th, 2008.

The samples were received in good condition - in the proper containers, properly sealed, labeled and within holding times. The water samples arrived in 500mL ambers with 4, 40mL VOAs. The cooler temperature was 7°C, which is within the appropriate temperature range (4°C - 10°C). There were no sample receipt/sample analysis issues to report.

Examination of these samples was conducted for the presence of the following:

- ***Volatile Organic Compounds in Water by EPA Method 8260B***
- ***Gasoline in Water by NWTPH-Gx***
- ***Diesel and Heavy Oil in Water by NWTPH-Dx / Dx Ext.***

These applications were performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the report.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee  
Sr. Chemist / Principal  
mikedee@fremontanalytical.com

**www.fremontanalytical.com**



## Analysis of Volatile Organic Compounds in Water by EPA Method 8260

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

EPA 8260B (ug/L)	MRL	Method Blank	LCS	KMW-1-W	KMW-2-W	Duplicate	
						KMW-2-W	KMW-3-W
Date Analyzed		6/12/08	6/12/08	6/12/08	6/12/08	6/12/08	6/12/08
Matrix		Water		Water	Water	Water	Water
Dichlorodifluoromethane	1.0	nd		nd	nd	nd	nd
Chloromethane	1.0	nd		nd	nd	nd	nd
Vinyl chloride *	0.2	nd		nd	nd	nd	nd
Bromomethane	1.0	nd		nd	nd	nd	nd
Chloroethane	1.0	nd		nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd		nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	105%	nd	nd	nd	nd
Methylene chloride	1.0	nd		nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd		nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd		nd	nd	nd	nd
2,2-Dichloropropane	2.0	nd		nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd		nd	nd	nd	nd
Chloroform	1.0	nd		nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd		nd	nd	nd	nd
Carbon tetrachloride	1.0	nd		nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd		nd	nd	nd	nd
Benzene	1.0	nd	97%	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd		nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	100%	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd		nd	nd	nd	nd

"nd" Indicates not detected at listed reporting limits  
 "int" Indicates that interference prevents determination  
 \* Instrument Detection Limit  
 "J" Indicates estimated value  
 "MRL" Indicates Method Reporting Limit  
 "LCS" Indicates Laboratory Control Sample  
 "MS" Indicates Matrix Spike  
 "MSD" Indicates Matrix Spike Duplicate  
 "RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%  
Acceptable Recovery Limits:  
 Surrogate = 65% to 135%  
 LCS, LCSD, MS, MSD = 65% to 135%  
 Surrogates and Spike Concentration = 25 ug/L



## Analysis of Volatile Organic Compounds in Water by EPA Method 8260

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

Duplicate

EPA 8260B (ug/L)	MRL	Method Blank	LCS	KMW-1-W	KMW-2-W	KMW-2-W	KMW-3-W
Date Analyzed		6/12/08	6/12/08	6/12/08	6/12/08	6/12/08	6/12/08
Matrix		Water		Water	Water	Water	Water
Dibromomethane	1.0	nd		nd	nd	nd	nd
Bromodichloromethane	1.0	nd		nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd		nd	nd	nd	nd
Toluene	1.0	nd	111%	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd		nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd		nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd		nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd		nd	nd	nd	nd
Dibromochloromethane	1.0	nd		nd	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd		nd	nd	nd	nd
Chlorobenzene	1.0	nd	126%	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd		nd	nd	nd	nd
Ethylbenzene	1.0	nd		3.1	nd	nd	nd
Total Xylenes	1.0	nd		4.1	nd	nd	nd
Styrenes	1.0	nd		nd	nd	nd	nd
Bromoform	1.0	nd		nd	nd	nd	nd
Isopropylbenzene	2.0	nd		nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd		nd	nd	nd	nd
Bromobenzene	1.0	nd		nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd		nd	nd	nd	nd

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**Analysis of Volatile Organic Compounds in Water by EPA Method 8260**

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

EPA 8260B (ug/L)	MRL	Method Blank	LCS	KMW-1-W	KMW-2-W	Duplicate	
						KMW-2-W	KMW-3-W
Date Analyzed		6/12/08	6/12/08	6/12/08	6/12/08	6/12/08	6/12/08
Matrix		Water		Water	Water	Water	Water
n-Propylbenzene	1.0	nd		nd	nd	nd	nd
2-Chlorotoluene	1.0	nd		nd	nd	nd	nd
4-Chlorotoluene	1.0	nd		nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd		nd	nd	nd	nd
tert-Butylbenzene	1.0	nd		nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd		<b>2.7</b>	nd	nd	nd
sec-Butylbenzene	1.0	nd		nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd		nd	nd	nd	nd
4-Isopropyltoluene	1.0	nd		nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd		nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd		nd	nd	nd	nd
n-Butylbenzene	1.0	nd		nd	nd	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd		nd	nd	nd	nd
1,2,4-Trichlorobenzene	2.0	nd		nd	nd	nd	nd
Hexachloro-1,3-butadiene	4.0	nd		nd	nd	nd	nd
Naphthalene	4.0	nd		<b>39</b>	nd	nd	nd
1,2,3-Trichlorobenzene	4.0	nd		nd	nd	nd	nd

**Surrogate Recovery**

Dibromofluoromethane	118%	120%	117%	125%	119%	120%
Toluene-d8	115%	123%	114%	125%	118%	118%
1-Bromo-4-fluorobenzene	109%	109%	111%	117%	113%	109%

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 LCS, LCSD, MS, MSD = 65% to 135%  
 Surrogates and Spike Concentration = 25 ug/L



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## Analysis of Volatile Organic Compounds in Water by EPA Method 8260

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

EPA 8260B (ug/L)	MRL	MS	MSD	RPD
		KMW-2-W	KMW-2-W	
Date Analyzed		6/12/08	6/12/08	%
Matrix		Water	Water	
Dichlorodifluoromethane	1.0			
Chloromethane	1.0			
Vinyl chloride *	0.2			
Bromomethane	1.0			
Chloroethane	1.0			
Trichlorofluoromethane	1.0			
1,1-Dichloroethene	1.0	105%	95%	10%
Methylene chloride	1.0			
trans-1,2-Dichloroethene	1.0			
1,1-Dichloroethane	1.0			
2,2-Dichloropropane	2.0			
cis-1,2-Dichloroethene	1.0			
Chloroform	1.0			
1,1-Dichloropropene	1.0			
Carbon tetrachloride	1.0			
1,1,1-Trichloroethane (TCA)	1.0			
Benzene	1.0	109%	109%	0%
1,2-Dichloroethane (EDC)	1.0			
Trichloroethene (TCE)	1.0	106%	105%	1%
1,2-Dichloropropane	1.0			

"nd" Indicates not detected at listed reporting limits  
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 Surrogate = 65% to 135%  
 LCS, LCSD, MS, MSD = 65% to 135%  
 Surrogates and Spike Concentration = 25 ug/L



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## Analysis of Volatile Organic Compounds in Water by EPA Method 8260

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

EPA 8260B (ug/L)	MRL	MS	MSD	RPD
		KMW-2-W	KMW-2-W	
Date Analyzed		6/12/08	6/12/08	%
Matrix		Water	Water	
Dibromomethane	1.0			
Bromodichloromethane	1.0			
cis-1,3-Dichloropropene	1.0			
Toluene	1.0	112%	111%	1%
Trans-1,3-Dichloropropene	1.0			
1,1,2-Trichloroethane	1.0			
Tetrachloroethene (PCE)	1.0			
1,3-Dichloropropane	1.0			
Dibromochloromethane	1.0			
1,2-Dibromoethane (EDB) *	0.01			
Chlorobenzene	1.0	100%	102%	2%
1,1,1,2-Tetrachloroethane	1.0			
Ethylbenzene	1.0			
Total Xylenes	1.0			
Styrenes	1.0			
Bromoform	1.0			
Isopropylbenzene	2.0			
1,2,3-Trichloropropane	1.0			
Bromobenzene	1.0			
1,1,1,2-Tetrachloroethane	1.0			

"nd" Indicates not detected at listed reporting limits

"int" Indicates that interference prevents determination

\* Instrument Detection Limit

"J" Indicates estimated value

"MRL" Indicates Method Reporting Limit

"LCS" Indicates Laboratory Control Sample

"MS" Indicates Matrix Spike

"MSD" Indicates Matrix Spike Duplicate

"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%

Acceptable Recovery Limits:

Surrogate = 65% to 135%

LCS, LCSD, MS, MSD = 65% to 135%

Surrogates and Spike Concentration = 25 ug/L



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## Analysis of Volatile Organic Compounds in Water by EPA Method 8260

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

EPA 8260B (ug/L)	MRL	MS	MSD	RPD
		KMW-2-W	KMW-2-W	
Date Analyzed		6/12/08	6/12/08	%
Matrix		Water	Water	
n-Propylbenzene	1.0			
2-Chlorotoluene	1.0			
4-Chlorotoluene	1.0			
1,3,5-Trimethylbenzene	1.0			
tert-Butylbenzene	1.0			
1,2,4-Trimethylbenzene	1.0			
sec-Butylbenzene	1.0			
1,3-Dichlorobenzene	1.0			
4-Isopropyltoluene	1.0			
1,4-Dichlorobenzene	1.0			
1,2-Dichlorobenzene	1.0			
n-Butylbenzene	1.0			
1,2-Dibromo-3-Chloropropane	1.0			
1,2,4-Trichlorobenzene	2.0			
Hexachloro-1,3-butadiene	4.0			
Naphthalene	4.0			
1,2,3-Trichlorobenzene	4.0			

### Surrogate Recovery

Dibromofluoromethane	126%	120%
Toluene-d8	126%	120%
1-Bromo-4-fluorobenzene	111%	110%

"nd" Indicates not detected at listed reporting limits  
 "int" Indicates that interference prevents determination  
 \* Instrument Detection Limit  
 "J" Indicates estimated value  
 "MRL" Indicates Method Reporting Limit  
 "LCS" Indicates Laboratory Control Sample  
 "MS" Indicates Matrix Spike  
 "MSD" Indicates Matrix Spike Duplicate  
 "RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 30%

#### Acceptable Recovery Limits:

Surrogate = 65% to 135%  
 LCS, LCSD, MS, MSD = 65% to 135%  
 Surrogates and Spike Concentration = 25 ug/L



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## Analysis of Gasoline (NWTPH-Gx) in Water

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

NWTPH-Gx (ug/L)	MRL	Method Blank	KMW-1-W	KMW-2-W	KMW-3-W	Duplicate	
						KMW-3-W	RPD
Date Analyzed		6/12/08	6/12/08	6/12/08	6/12/08	6/12/08	%
Matrix		Water	Water	Water	Water	Water	
<b>NWTPH-Gx (ug/L)</b>							
Gasoline	100	nd	<b>630</b>	<b>150</b>	<b>110</b>	<b>100</b>	10%
Gasoline Range Hydrocarbons (GRO)*	100	nd	nd	nd	nd	nd	
<b>Surrogate Recovery</b>							
(Surr 1) a,a,a-Trifluorotoluene		95%	101%	71%	92%	89%	
(Surr 2) Bromofluorobenzene		75%	C	94%	72%	114%	

"nd" Indicates not detected at listed reporting limits  
"C" Indicates coelution prevents determination  
"J" Indicates estimated value  
"MRL" Indicates Method Reporting Limits  
" \* " Indicates presence of petroleum distillate

Acceptable RPD % is determined to be less than 30%  
Acceptable Recovery Limits for Surrogate: 65% to 135%  
Surrogate Concentration = 25 ug/L  
GRO = C6-C12



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**Analysis of Diesel and Heavy Oil in Water by NWTPH-Dx / Dx Ext.**

Project: Living Color  
Client: Kane Environmental  
Client Project #: 30801  
Lab Project #: CHM080611-3

NWTPH-Dx/Dx Ext. (µg/L)	MRL	Method Blank	KMW-1-W	KMW-2-W	KMW-3-W	Duplicate
						KMW-3-W
Date Extracted		6/12/08	6/12/08	6/12/08	6/12/08	6/12/08
Date Analyzed		6/13/08	6/13/08	6/13/08	6/13/08	6/13/08
Matrix		Water	Water	Water	Water	Water
Diesel (Fuel Oil)	200	nd	910	nd	nd	nd
Mineral Oil	400	nd	nd	nd	nd	nd
Heavy Oil	500	nd	nd	nd	nd	nd

**Surrogate Recovery**

(Surr 1 ) 2-Fluorobiphenol	88%	92%	91%	97%	96%
(Surr 2) o-Terphenol	89%	108%	90%	104%	106%

"nd" Indicates not detected at listed reporting limits  
"int" Indicates that interference prevents determination  
" \* " DRO Indicates Diesel Range Organics  
"C" Indicates coelution prevents determination  
"MRL" Indicates Method Reporting Limit

Acceptable RPD is determined to be less than 30%

Acceptable Recovery Limits:

Surrogate = 65% to 135%  
Surrogate Concentration = 5 mg/L  
Diesel (Fuel Oil) = C12-C24  
Mineral Oil = C15-C40  
Heavy Oil = C24-C40



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# Chain of Custody Record

Date: 11 June 2008

Page: 1 of: 1

Client: Kane Environmental  
Address: 3831 Stone Way North  
City, State, Zip: Seattle, WA 98103

Project Name: Living Color  
Location: 9416 Rainier Ave South  
Collected by: John Kane

Reports To (PM): John Kane Fax: 206-675-0650 Email: jkane@environmental.com Project No: 30801

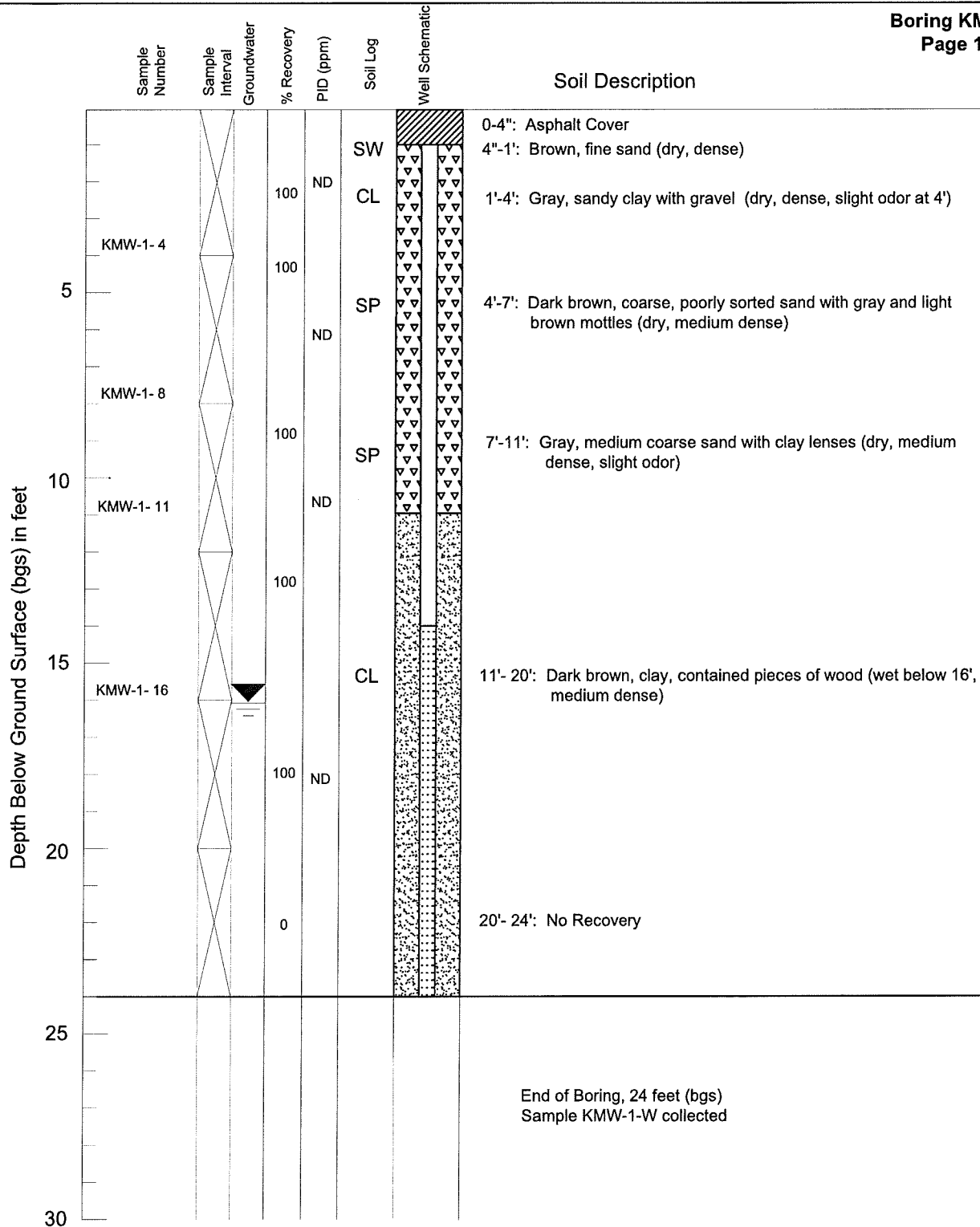
Sample Name	Time	Sample Type	Container Type	Date of Collection	VOA 8260	VOA 8021B BTEX	NWTPH-GX	NWTPH-HCID	NWTPH-DX Ext.	SEMI VOL 8270C	PAH 8270	PCBS 8082	CI PESTICIDES 8151	CI HERBICIDES 8151A	METALS:	Metals: MTCAS	Metals: RCRA-8	Comments/Depth
1. KMW-1-W	1520	W	4VOA 1 Amb 6-10-08 X		X		X		X									
2. KMW-2-W	1600	W	4VOA 1 Amb 6-10 X		X		X		X									
3. KMW-3-W	1615	W	4VOA 1 Amb 6-10 X		X		X		X									
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Special Remarks: Friday  
TAT -> 24HR -> 48HR Standard

Sample Receipts:  
Good? Y  
Temperature: 7°C  
Seals Intact? Y  
Total Number of Containers: 13

Relinquished Date/Time: 6-11-08 1515 Received Date/Time: 6-11-08 1515  
Relinquished Date/Time: 6-11-08 1515 Received Date/Time: 6-11-08 1515

**ATTACHMENT B**  
**MONITORING WELL SCHEMATICS AND SOIL BORING LOGS**



Logged by: Luke Martinkosky Driller: ESN, NW Drilling Method: PowerProbe Sampling Method: Acetate Liner Casing Type: Not Applicable (NA) Annular Pack: NA Slot Size: NA	Hammer Size: NA Date Drilled: 06/09/08 Hole Diameter: 2 inch Hole Depth: 24 feet Well Diameter: 3/4 inch Well Depth: 24 feet Screened Interval: 14-24 feet	Depth to Water (First Encountered): 16 feet Depth to Water (Static): 16 feet (water depths are approximate) Key: Concrete:  ND: no detection above background level (0.1 ppm) Bentonite: Silica sand: Screen:
---	--	--

Soils classified visually using the Unified Soils Classification System

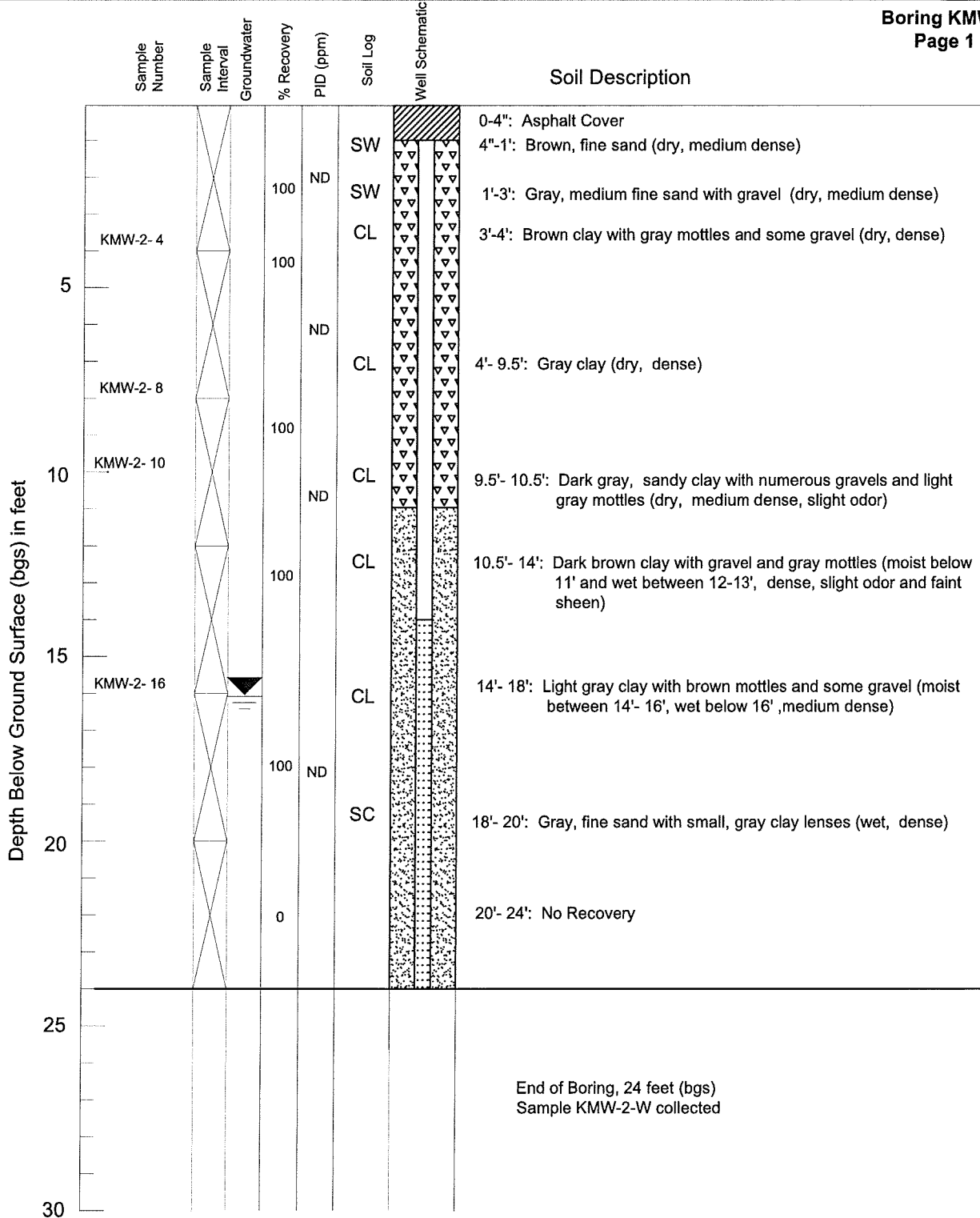


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Limited Phase II Site Assessment  
Living Color Beauty Supply  
9416 Rainier Avenue South  
Seattle, Washington

Monitoring Well Schematic

\\192.168.0.120\kane\share2\Documents\Projects\Living Color Beauty Supply Ph. II\Figures and Tables\Boring Logs 6-9.dwg



End of Boring, 24 feet (bgs)  
Sample KMW-2-W collected

Logged by: Luke Martinkosky Driller: ESN, NW Drilling Method: PowerProbe Sampling Method: Acetate Liner Casing Type: Not Applicable (NA) Annular Pack: NA Slot Size: NA	Hammer Size: NA Date Drilled: 06/09/08 Hole Diameter: 2 inch Hole Depth: 24 feet Well Diameter: 3/4 inch Well Depth: 24 feet Screened Interval: 14-24 feet	Depth to Water (First Encountered): 16 feet Depth to Water (Static): 16 feet (water depths are approximate) Key: Concrete:  ND: no detection above background level (0.1 ppm) Bentonite: Silica sand: Screen:
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Soils classified visually using the Unified Soils Classification System

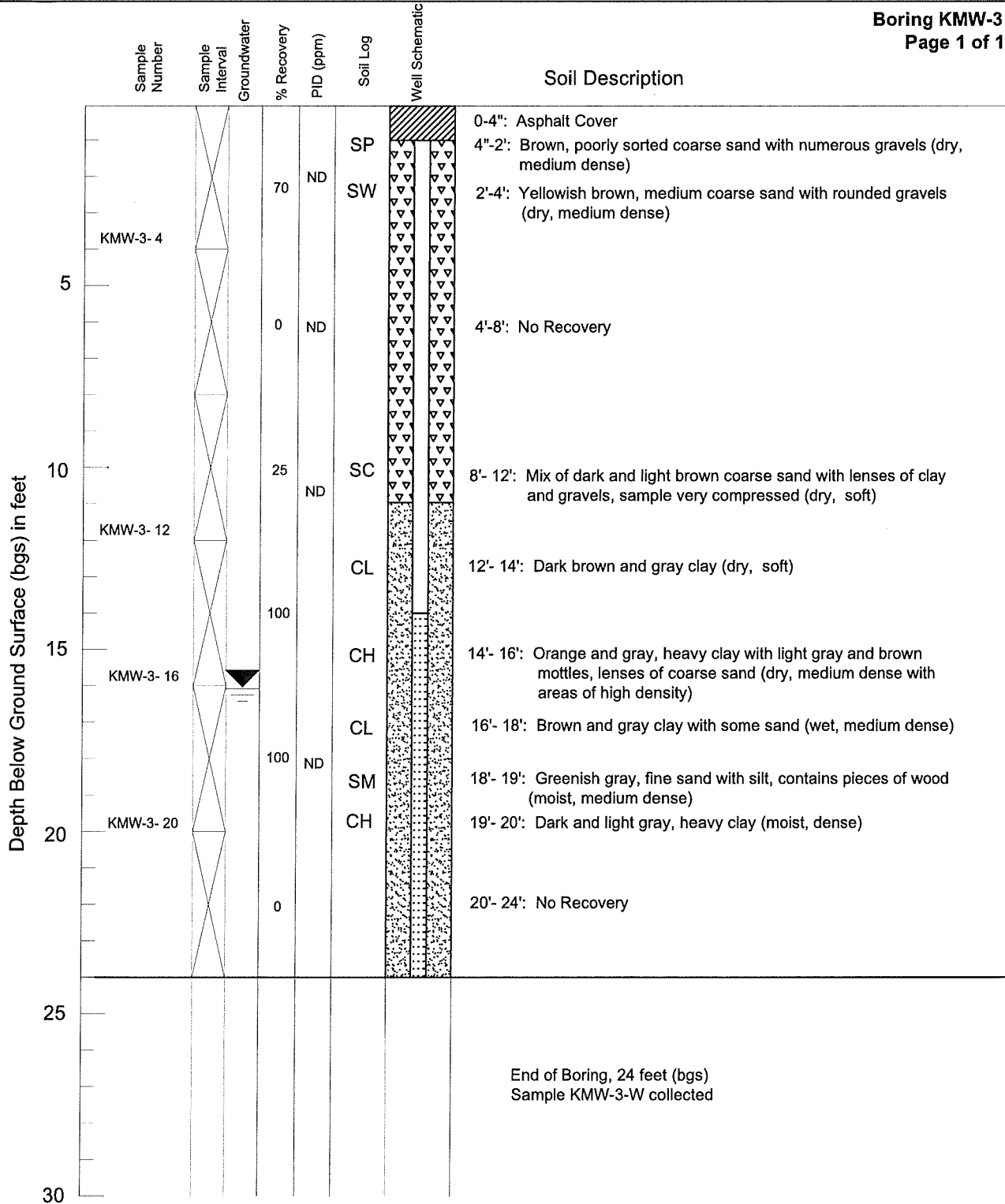


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Logged by: Luke Martinkosky Driller: ESN, NW Drilling Method: PowerProbe Sampling Method: Acetate Liner Casing Type: Not Applicable (NA) Annular Pack: NA Slot Size: NA	Hammer Size: NA Date Drilled: 06/09/08 Hole Diameter: 2 inch Hole Depth: 24 feet Well Diameter: 3/4 inch Well Depth: 24 feet Screened Interval: 14-24 feet	Depth to Water (First Encountered): 16 feet Depth to Water (Static): 16 feet (water depths are approximate) Key: Concrete:  ND: no detection above background level (0.1 ppm) Bentonite: Silica sand: Screen:
---	--	--

Soils classified visually using the Unified Soils Classification System



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Depth Below Ground Surface (bgs) in feet

Sample Number	Sample Interval	Groundwater	% Recovery	PID (ppm)	Well Construction	Soil Log	Soil Description
KSB-1-2			100	ND		SP	0-3": Concrete cover 3"-2': Brown and light red, poorly sorted, coarse sand with numerous gravels (loose, dry)
KSB-1-4			100	ND		SW	2'-3': Gray and reddish brown clay with lens of sand and some gravels (medium dense, medium soft)
KSB-1-5			100	ND		SP	3'-4': Brown clay with orange mottles and some sand (medium dense, dry)
5							End of Boring, 5 feet bgs Refuscl at 5 feet bgs No groundwater encountered.
10							
15							
20							
25							
30							

Logged by: Luke Martinkosky Driller: ESN Northwest Drilling Method: Rotohammer Sampling Method: Acetate Liner Casing Type: Not Applicable (NA) Annular Pack: NA Slot Size: NA	Hammer Size: NA Date Drilled: 09/09/08 Hole Diameter: 2 inch Hole Depth: 5 feet Well Diameter: NA Well Depth: NA Screened Interval: NA	Depth to Water (First Encountered): NA Depth to Water (Static): NA  <b>Key:</b> ND: no detection above background level (0.1 ppm)
---	--	---

Soils classified visually using the Unified Soils Classification System

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Soil Boring Log