LIMITED SUBSURFACE INVESTIGATION

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC.
1512 HIGHWAY 97
ELLENSBURG, KITTITAS COUNTY, WASHINGTON

Project No. 81109090.2
Report Date: September 10, 2010

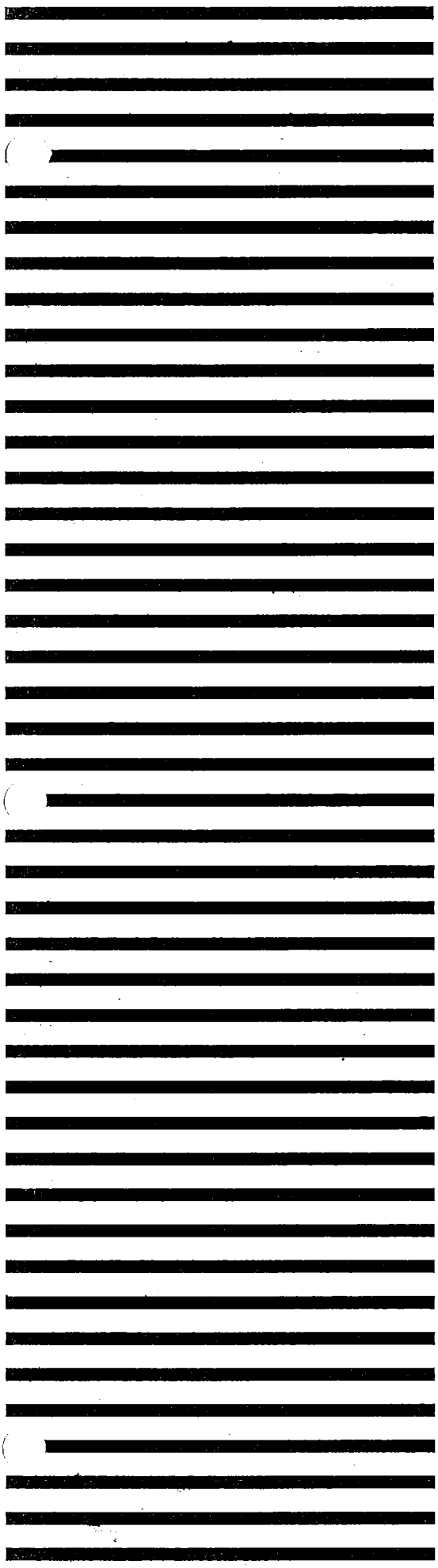
Prepared For:

Love's Travel Stops & Country Stores, Inc.
Oklahoma City, Oklahoma

Prepared By:

Terracon

Seattle, Washington



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LIMITED SUBSURFACE INVESTIGATION
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1.0 INTRODUCTION

1.1 Site Description

Site Description

Site Name	Love's Travel Stops & Country Stores, Inc.
Site Location/Address	1512 Highway 97, Ellensburg, Kittitas County, Washington
Land Area	Approximately 5.78 acres
Site Improvements	Love's Travel Stops & Country Stores, Inc. retail fueling station and associated parking areas

A topographic map is included as Figure 1, and a site plan is included as Figure 2 of Appendix A.

1.2 Scope of Work

Terracon conducted a Limited Site Investigation (LSI) at the Love's Travel Stops & Country Stores, Inc. facility located at 1512 Highway 97, Ellensburg, Kittitas County, Washington. At your request, Terracon's LSI was undertaken to identify potential petroleum impacts to soil and groundwater from previous operations at the above referenced site. This investigation was conducted to assist Love's Travel Stops & Country Stores, Inc. (client) with due diligence during the acquisition of the property.

The objective of the Limited Site Investigation (LSI) was to evaluate the presence of benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbon gasoline (TPH-G), diesel (TPH-D) and oil (TPH-O) range organics, and Polycyclic Aromatic Hydrocarbons (PAHs) above relevant laboratory reporting limits in the on-site soils and groundwater as a result of potential releases from the previous operations at the site.

1.3 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same

time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-97.

1.4 Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.5 Reliance

This report has been prepared for the exclusive use of the Love's Travel Stops & Country Stores, Inc. and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Love's Travel Stops & Country Stores, Inc. and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal dated June 28, 2010.

2.0 FIELD ACTIVITIES

2.1 Borings and Temporary Groundwater Monitoring Wells

Terracon's field activities were conducted August 16, 2010. As part of the approved scope of work, a total of fifteen (15) soil borings were advanced on-site.

- Boring B-1 and B-7 were advanced on the west side of the tank basin to 11.5 and 12 feet below grade surface (bgs), respectively;

- Boring B-2 was advanced to 1.5 feet bgs on the west side of the tank basin. This boring was terminated due to the presence of a concrete or asphalt surface at approximately 1.5 feet bgs;
- Boring B-3 was advanced to 12 feet bgs on the south side of the gasoline dispenser islands;
- Borings B-4 and B-6 were advanced to 5 feet bgs on the west and east sides of the gasoline dispenser islands, respectively;
- Boring B-5 was advanced to 5.5 feet bgs on the north side of the gasoline dispenser islands;
- Boring B-8 was advanced to 12 feet bgs on the northwest side of the oil/water separator;
- Boring B-9 was advanced to 16 feet bgs on the northwest side of the diesel basin;
- Borings B-10, B-11, and B-13 through B-15 were advanced to 5 to 6 feet bgs on the southwest side of the diesel dispenser islands;
- Boring B-12 was advanced to 12 feet bgs on the southwest side of the diesel dispenser islands.

Figure 1 presents the general boundaries and topography of the site on portions of the USGS topographic quadrangle map of the area (Appendix A). Figure 2 is a site plan that indicates the approximate locations of the soil borings and temporary groundwater monitoring wells in relation to the pertinent structures and general site boundaries (Appendix A).

Drilling services were performed by Environmental Services Network Northwest, Inc. (ESN), a State of Washington licensed Well Driller under the supervision of a Terracon environmental professional, using a GeoProbe® push-probe rig equipped with continuous core sampling. Non-dedicated sampling equipment was decontaminated by an Alconox wash and potable water rinse prior to commencement of the project and between the collection of each soil sample.

Soil samples were collected continuously using either a hand auger or a four-foot macro-bore continuous core sampler to document lithology, color, relative moisture content and visual or olfactory evidence of chemical impact.

The general soil lithology encountered during sample collection consisted of the following:

3" to 6" of Asphalt;
Sandy GRAVEL, with Silt – from below the asphalt to a depth of 2.5 to 7 feet bgs;
SILT, with Sand or Sandy SILT - from below the Sandy GRAVEL to the terminus of borings B-5, B-6, B-7, B-10, B-11, and B-15 and to depths of 3.5 to 8.5 feet bgs in borings B-1, B-3, B-6, B-8, B-9, B-12, and B-14.
Sandy GRAVEL, trace Silt – from below the SILT or Sandy SILT to the terminus of borings B-1, B-3, B-6, B-8, B-9, B-12, and B-14.

Detailed lithologic descriptions are presented on the soil boring logs included in Appendix B.

Groundwater was encountered during the advancement of soil borings B-1, B-3, B-7, B-8, B-9, and B-12 at depths of 6, 6.5, 6, 6, 7, and 6.5 feet bgs, respectively.

The groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater flow direction beneath the site cannot be ascertained.

Potential TPH odors were detected in the soil samples collected from soil borings B-5, B-6, B-7, B-10, and B-11. The soil boring logs are included in Appendix B.

Following completion, soil borings B-1, B-2, B-4 through B-6, B-8 through B-11, and B-13 through B-15 were backfilled with bentonite pellets, then hydrated and grouted to surface grade with Portland cement.

Subsequent to advancement, groundwater samples were collected from soil borings B-3, B-7, and B-12 using a peristaltic pump with dedicated tubing. Following completion of the groundwater sampling borings, B-3, B-7, and B-12 were backfilled with bentonite pellets, then hydrated and grouted to surface grade with Portland cement.

Soil cuttings, groundwater, and equipment cleaning water generated during the field activities were placed in Department of Transportation (DOT) approved, 55-gallon steel drums, closed and appropriately labeled with project-specific information and initial accumulation date. A total of two 55-gallon drums containing soil cuttings and one 55-gallon drum containing groundwater and equipment cleaning water were generated during these field services and were left onsite for subsequent characterization and disposal, [which was not included in the Scope of Services].

2.2 Soil and Groundwater Sampling

Terracon's soil sampling program involved submitting one soil sample from each soil boring for laboratory analysis from: a) the soil samples obtained from each of the proposed borings which exhibited potential TPH odors b) if no odors were identified, the unsaturated soil sample obtained from the bottom of the boring or from the interval immediately overlying encountered groundwater. Groundwater samples were collected using a peristaltic pump and dedicated disposable tubing. Sample intervals for each boring are presented on the lithologic boring logs included in Appendix B and on the soil analytical tables in Appendix C.

Soil and groundwater samples collected were placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Pace Analytical Laboratory in Seattle, Washington for standard turnaround (10 day).

3.0 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples collected from the push-probe borings were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Test Method 5035/8021B, and gasoline-and diesel-range Total Petroleum Hydrocarbons (TPH-G and TPH-D/TPH-O) by Northwest Methods NWTPH-Gx and NWTPH-Dx, respectively. Two project soil samples with elevated laboratory-detected TPH-D were further analyzed for PAHs by EPA Method 8270C Select Ion Monitoring (SIM). The executed chain-of-custody form and laboratory data sheets are provided in Appendix D.

4.0 DATA EVALUATION

4.1 Soil Samples

Terracon compared the soil sample analytical results to the Washington State Department of Ecology's (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels.

Boring B-5

Concentrations of benzene (8,650 µg/kg), ethyl-benzene (9,720 µg/kg), toluene (52,800 µg/kg), xylenes (45,100 µg/kg), TPH-G (436 mg/kg), TPH-D (94.9 mg/kg), and TPH-O (140 mg/kg) were detected in the soil sample collected from boring B-5 at 3' bgs. The detected concentrations of benzene, ethyl-benzene, toluene, xylenes, and TPH-G exceeded the applicable MTCA Method A cleanup levels of 30 µg/kg, 6,000 µg/kg, 7,000 µg/kg, 9,000 µg/kg, and 30 mg/kg, respectively. The TPH-D and TPH-O concentrations did not exceed the MTCA Method A cleanup levels, which have both been established at 2,000 mg/kg.

Boring B-6

Concentrations of benzene (29.8 µg/kg), ethyl-benzene (3.2 µg/kg), xylenes (19.9 µg/kg), and TPH-G (7.2 mg/kg) were detected in the soil sample collected from boring B-6 at 5' bgs. The detected concentrations of benzene, ethyl-benzene, xylenes, and TPH-G did not exceed the applicable MTCA Method A cleanup levels of 30 µg/kg, 6,000 µg/kg, 9,000 µg/kg, and 30 mg/kg, respectively.

Boring B-7

Concentrations of benzene (153 µg/kg), ethyl-benzene (45,500 µg/kg), toluene (554 µg/kg), xylenes (247,000 µg/kg), TPH-G (3,700 mg/kg), and TPH-D (423 mg/kg) were detected in the soil sample collected from boring B-7 at 8' bgs. The detected concentrations of benzene, ethyl-benzene, xylenes, and TPH-G exceeded the applicable MTCA Method A cleanup levels of 30 µg/kg, 6,000 µg/kg, 9,000 µg/kg, and 30 mg/kg, respectively. The toluene, TPH-D, and TPH-O concentrations did not exceed the MTCA Method A cleanup levels, which have been established at 7,000 µg/kg, 2,000 mg/kg, and 2,000 mg/kg, respectively.

Based on the elevated concentration of TPH-D detected in soil from boring B-7, follow-up analysis was conducted for Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270C SIM. PAH concentrations detected above the laboratory reporting limits in the sample include the following:

Acenaphthene was detected at a concentration of 104 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level (direct contact-soil ingestion) has been established at 4,800,000 µg/kg, which the detected concentration did not exceed.

Acenaphthylene was detected at a concentration of 22.2 µg/kg. No MTCA cleanup level has been established for this analyte.

Anthracene was detected at a concentration of 37.7 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 24,000,000 µg/kg, which the detected concentration did not exceed.

Fluoranthene was detected at a concentration of 14.1 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 3,200,000 µg/kg, which the detected concentration did not exceed.

Fluorene was detected at a concentration of 256 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 3,200,000 µg/kg, which the detected concentration did not exceed.

Naphthalene was detected at a concentration of 1,800 µg/kg, which did not exceed the MTCA Method A cleanup level of 5,000 µg/kg.

Phenanthrene was detected at a concentration of 255 µg/kg. No MTCA cleanup level has been established for this analyte.

Pyrene was detected at a concentration of 57.5 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 2,400,000 µg/kg, which the detected concentration did not exceed.

Boring B-10

Concentrations of benzene (10,800 µg/kg), ethyl-benzene (46,900 µg/kg), toluene (1,640 µg/kg), xylenes (65,200 µg/kg), TPH-G (1,890 mg/kg), TPH-D (3,120 mg/kg) and TPH-O (98.3 mg/kg) were detected in the soil sample collected from boring B-10 at 5' bgs. The detected concentrations of benzene, ethyl-benzene, xylenes, TPH-G, and TPH-D exceeded the applicable MTCA Method A cleanup levels of 30 µg/kg, 6,000 µg/kg, 9,000 µg/kg, 30 mg/kg, and 2,000 mg/kg, respectively. The toluene and TPH-O concentrations did not exceed the MTCA Method A cleanup levels, which have been established at 7,000 µg/kg and 2,000 mg/kg, respectively.

Boring B-11

Concentrations of benzene (1,750 µg/kg), ethyl-benzene (4,350 µg/kg), toluene (30.2 µg/kg), xylenes (7,070 µg/kg), TPH-G (1,250 mg/kg), TPH-D (9,960 mg/kg) and TPH-O (518 mg/kg) were detected in the soil sample collected from boring B-11 at 4½' bgs. The detected concentrations of benzene, TPH-G, and TPH-D exceeded the applicable MTCA Method A cleanup levels of 30 µg/kg, 30 mg/kg, and 2,000 mg/kg, respectively. The ethyl-benzene, toluene, xylenes, and TPH-O concentrations did not exceed the MTCA Method A cleanup levels, which have been established at 6,000 µg/kg, 7,000 µg/kg, 9,000 µg/kg, and 2,000 mg/kg, respectively.

Based on the elevated concentration of TPH-D detected in soil from boring B-7, follow-up analysis was conducted for Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270C SIM. PAH concentrations detected above the laboratory reporting limits in the sample include the following:

Acenaphthene was detected at a concentration of 1,240 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level (direct contact-soil ingestion) has been established at 4,800,000 µg/kg, which the detected concentration did not exceed.

Acenaphthylene was detected at a concentration of 288 µg/kg. No MTCA cleanup level has been established for this analyte.

Anthracene was detected at a concentration of 521 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 24,000,000 µg/kg, which the detected concentration did not exceed.

Benzo(a)anthracene and chrysene were detected at concentrations of 17.8 µg/kg and 45.6 µg/kg, respectively. No MTCA cleanup levels have been established for these analytes; however, benzo(a)anthracene and chrysene are considered carcinogenic PAHs (cPAHs). Under MTCA regulations, all identified cPAHs are to be considered a single hazardous substance. Each cPAH is weighted individually by a Total Equivelancy Factor (TEF) and the sum of the weighted cPAH concentrations is compared to the

reference chemical benzo(a)pyrene, which has a cleanup level of 100 µg/kg. The weighted sum of benzo(a)anthracene and chrysene concentrations from the boring B-7 sample was 2,236 µg/kg, which did not exceed the benzo(a)pyrene cleanup level of 100 µg/kg.

Fluoranthene was detected at a concentration of 184 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 3,200,000 µg/kg, which the detected concentration did not exceed.

Fluorene was detected at a concentration of 3,490 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 3,200,000 µg/kg, which the detected concentration did not exceed.

Naphthalene was detected at a concentration of 5,800 µg/kg, which exceeded the MTCA Method A cleanup level of 5,000 µg/kg.

Phenanthrene was detected at a concentration of 4,200 µg/kg. No MTCA cleanup level has been established for this analyte.

Pyrene was detected at a concentration of 344 µg/kg. A MTCA Method A cleanup level has not been established for this analyte; however, the Method B cleanup level has been established at 2,400,000 µg/kg, which the detected concentration did not exceed.

Samples collected from the remaining borings did not indicate detectable concentrations of BTEX or TPH. Sample intervals for each boring are presented on the lithologic boring logs included in Appendix B and on the soil analytical tables in Appendix C.

4.2 Groundwater Samples

Terracon compared the groundwater sample analytical results to Ecology's MTCA Method A cleanup levels.

Boring B-3

Concentrations of benzene (96.7 µg/L), ethyl-benzene (3.0 µg/L), and TPH-D (4,140 µg/L) were detected in the groundwater sample collected from boring B-3. The detected concentrations of benzene and TPH-D exceeded the applicable MTCA Method A cleanup levels of 5 µg/L and 500 µg/L, respectively. The ethyl-benzene concentration did not exceed the MTCA Method A cleanup level, which has been established at 700 µg/L.

Boring B-7

Concentrations of benzene (932 µg/L), ethyl-benzene (1,520 µg/L), toluene (84.4 µg/L), xylenes (4,820 µg/L), TPH-G (25,400 µg/L), TPH-D (4,970 µg/L), and TPH-O (837 µg/L) were detected in the groundwater sample collected from boring B-7. The detected concentrations of benzene, ethyl-benzene, xylenes, TPH-G, TPH-D and TPH-O exceeded the applicable MTCA Method A cleanup levels of 5 µg/L, 700 µg/L, 1,000 µg/L, 800 µg/L,

500 µg/L, and 500 µg/L, respectively. The toluene concentration did not exceed the MTCA Method A cleanup level, which has been established at 1,000 µg/L.

The sample collected from boring B-12 did not indicate detectable concentrations of BTEX or TPH.

5.0 FINDINGS AND RECOMMENDATIONS

The findings and recommendations of this investigation are as follows:

The objective of the Limited Site Investigation (LSI) was to evaluate the presence of BTEX and TPH above relevant laboratory reporting limits in the on-site soils and groundwater as a result of potential releases from the former operations at the site. Follow-up analysis for the presence of PAH compounds was completed on two of the soil samples that displayed high diesel-range TPH concentrations.

Based on a review of the soil analytical results, the following analytes were identified:

- Benzene was identified in the soil samples collected from borings B-5 through B-7, B-10, and B-11 at concentrations ranging from 29.8 µg/kg to 10,800 µg/kg. The concentrations identified in the samples collected from borings B-5, B-7, B-10, and B-11 exceeded the MTCA Method A cleanup level for benzene, which has been established at 30 µg/kg.
- Ethyl-benzene was identified in the soil samples collected from borings B-5 through B-7, B-10, and B-11 at concentrations ranging from 3.2 µg/kg to 46,900 µg/kg. The concentrations identified in the samples collected from borings B-5, B-7, and B-10 exceeded the MTCA Method A cleanup level for ethyl-benzene, which has been established at 6,000 µg/kg.
- Toluene was identified in the soil samples collected from borings B-5, B-7, B-10, and B-11 at concentrations ranging from 30.2 µg/kg to 52,800 µg/kg. The concentration identified in the sample collected from boring B-5 exceeded the MTCA Method A cleanup level for toluene, which has been established at 7,000 µg/kg.
- Xylenes were identified in the soil samples collected from borings B-5 through B-7, B-10, and B-11 at concentrations ranging from 19.9 µg/kg to 247,000 µg/kg. The concentrations identified in the samples collected from borings B-5, B-7, and B-10 exceeded the MTCA Method A cleanup level for xylenes, which has been established at 9,000 µg/kg.
- TPH-G was identified in the soil samples collected from borings B-5 through B-7, B-10, and B-11 at concentrations ranging from 7.2 mg/kg to 3,700 mg/kg. The concentrations

identified in the samples collected from borings B-5, B-7, B-10, and B-11 exceeded the MTCA Method A cleanup level for TPH-G, which has been established at 100 mg/kg or 30 mg/kg when benzene is present.

- TPH-D was identified in the soil samples collected from borings B-5, B-7, B-10, and B-11 at concentrations ranging from 94.9 mg/kg to 9,960 mg/kg. The concentrations identified in the samples collected from borings B-10 and B-11 exceeded the MTCA Method A cleanup level for TPH-D, which has been established at 2,000 mg/kg.
- TPH-O was identified in the soil samples collected from borings B-5, B-10, and B-11 at concentrations ranging from 98.3 mg/kg to 518 mg/kg. None of the identified concentrations exceeded the MTCA Method A cleanup level for TPH-O, which has been established at 2,000 mg/kg.
- Follow-up PAH analysis of the soil samples collected from boring B-7 and B-11 detected naphthalene at concentrations of 1,800 µg/kg and 5,800 µg/kg, respectively. The concentration identified in the sample collected from boring B-11 exceeded the MTCA Method A cleanup level for naphthalene, which has been established at 5,000 µg/kg. Acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, chrysene, fluoranthene, fluorene, phenanthrene, and pyrene were also identified in one or both of the samples analyzed for PAHs; however, the concentrations were either below applicable MTCA cleanup levels or no MTCA cleanup level has been established for the analyte.

Groundwater was encountered during the advancement of the soil borings at depths ranging from 6 to 7 feet bgs. Three grab groundwater samples collected from borings B-3, B-7 and B-12, were analyzed for the presence of BTEX and TPH. Benzene was detected at concentrations ranging from <1 µg/L to 932 µg/L, ethyl-benzene at concentrations from <1 µg/L to 1,520 µg/L, toluene at concentrations from <1 µg/L to 84.4 µg/L, and xylenes at concentrations from <3.0 µg/L to 4,820 µg/L. TPH-G was detected at concentrations ranging from <50.0 µg/L to 25,400 µg/L, TPH-D at concentrations from <80.0 µg/L to 4,970 µg/L, and TPH-O at concentrations from <400 µg/L to 837 µg/L. The concentrations of benzene, ethyl-benzene, xylenes, TPH-G, TPH-D, and TPH-O exceeded the MTCA Method A cleanup levels for the groundwater sample collected from boring B-7, which have been established at 5 µg/L, 700 µg/L, 1,000 µg/L, 500 µg/L for benzene, ethyl-benzene, xylenes, TPH-D and 800 µg/L for TPH-G when benzene is present or 1,000 µg/L when benzene is not present. The concentrations of benzene and TPH-D also exceeded the MTCA Method A cleanup levels for the groundwater sample collected from boring B-3.

The current regulatory status of the site should be evaluated to determine if the findings of the LSI represent a reportable release. Potential reporting scenarios are as follows:

- If a release has not previously been reported for the site, then the finding of the LSI

would require reporting of a release by the owner/operator of the UST system to Ecology.

- If a release has previously been reported for the site and there is an ongoing investigation then reporting would not be required. However the findings of the LSI should be submitted to the owner/operator of the UST system or responsible party for the release for potential submittal to Ecology.
- If the site has received a No Further Action determination from Ecology and the findings of the LSI are consistent with known residual impacts to the site, then no further reporting is required.
- If the site has received a No Further Action determination from Ecology and the concentration of contaminants detected during the LSI are above known residual impacts to the site, then reporting of a release is required by the owner/operator of the UST system.

Additional investigation and analysis may be warranted based on the reported concentrations of TPH, BTEX and PAHs in the areas surrounding the USTs and the associated fuel dispensers.

If soils located on the site are to be disturbed during future excavations or construction activities, proper procedures should be followed with respect to worker health and safety, and any affected soil or groundwater encountered should be properly characterized, treated and/or disposed in accordance with applicable local, state or federal regulations.

APPENDIX A

Figure 1 – Topographic Map
Figure 2 – Site Plan

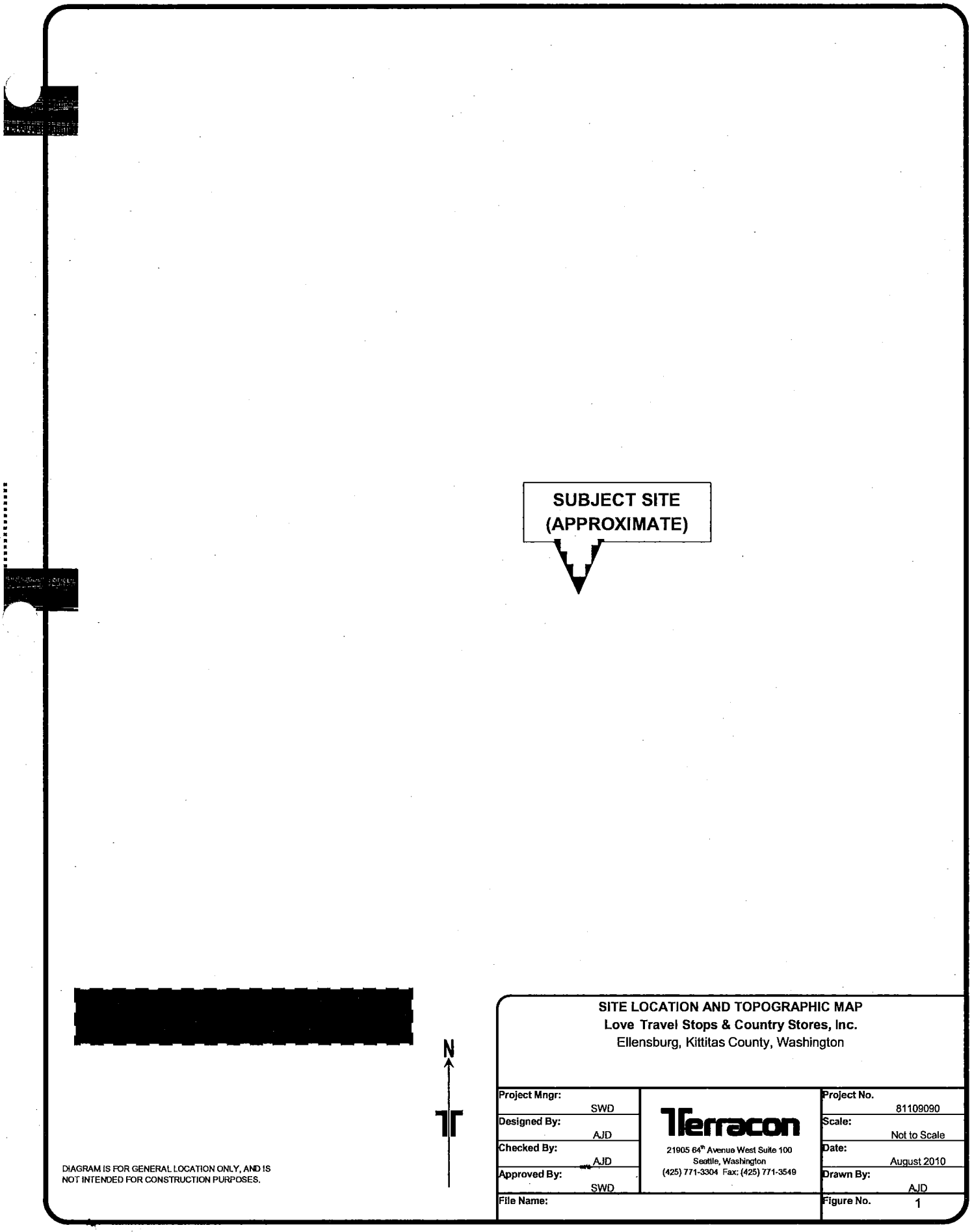

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

SITE LOCATION AND TOPOGRAPHIC MAP
Love Travel Stops & Country Stores, Inc.
Ellensburg, Kittitas County, Washington

Project Mngr: SWD	Terracon	Project No. 81109090
Designed By: AJD	21905 64th Avenue West Suite 100	Scale: Not to Scale
Checked By: AJD	Seattle, Washington	Date: August 2010
Approved By: SWD	(425) 771-3304 Fax: (425) 771-3549	Drawn By: AJD
File Name:		Figure No. 1

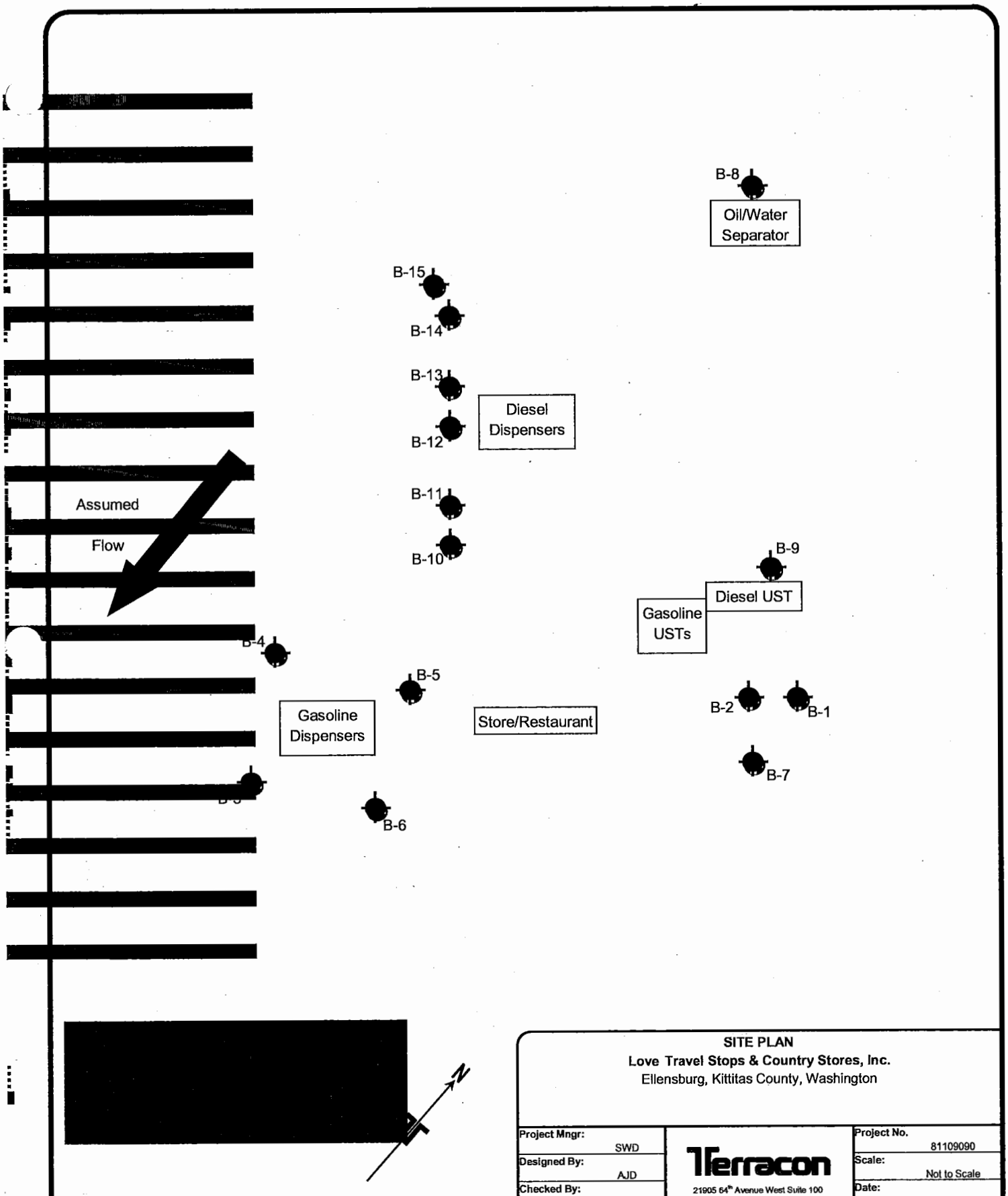

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

SITE PLAN

Love Travel Stops & Country Stores, Inc.

Ellensburg, Kittitas County, Washington

Project Mngr: SWD	Terracon	Project No. 81109090
Designed By: AJD	21905 64th Avenue West Suite 100 Seattle, Washington (425) 771-3304 Fax: (425) 771-3549	Scale: Not to Scale
Checked By: AJD		Date: August 2010
Approved By: SWD		Drawn By: AJD
File Name:		Figure No. 2

APPENDIX B

Boring Logs

LOG OF BORING NO. B-1

CLIENT: **Loves**

SITE: **1512 Highway 97, Ellensburg, Washington**

PROJECT: **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.25 3" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist									
	2									
	Gravelly SAND, trace Silt Brown, Medium Dense, Moist				PP	14				
	3									
	SILT, with Sand Brown, Medium Stiff, Moist, Organics				PP	3.5				
	Wet	5								
	6 ▽									
	Sandy GRAVEL, trace Silt Brown, Medium Dense, Wet to Saturated				PP	28				B1 @6FT
		10								
	11.5									
	BOTTOM OF BORING Drilling refusal at 11.5 feet bgs.	15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽ 6	▼
WL	▼	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-2

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.25 3" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist									
	1.5 **BOTTOM OF BORING** Boring terminated due to presence of concrete or asphalt at 1.5 feet.	5 10 15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▼	▽
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG AMS PP 9500		DRILLER	ESN
LOGGED AJD		JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-3

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N BLOWS / ft.	TESTS WATER CONTENT, %	TESTS FIELD VAPOR TEST (PPM)*	TESTS SOIL SAMPLE SENT TO LABORATORY
	0.5 4" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	12				
					PP	28				
	7	5								
	SILT, with Sand Brown, Medium Stiff, Wet to Saturated									B3 @7.5Ft
	8.5									
	GRAVEL, with Sand and Silt Brown, Medium Dense, Wet to Saturated				PP	22				
	12	10								
	BOTTOM OF BORING Drilling refusal at 12 feet.	15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽ 6.5	▼
WL	▼	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-4

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.25 3" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	25				B4 @3.5ft
	5	5								
	BOTTOM OF BORING	10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▼	▽
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-5

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.25 3" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist									
	2.5				PP	30				
	SILT, with Sand Gray, Medium Stiff, Moist, Organics, TPH Odor									B3 @3ft
	5.5	5								
	BOTTOM OF BORING	10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-6

CLIENT **Loves**

SITE **1512 Highway 97, Ellensburg, Washington**

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.25 3.5" Asphalt **Sandy GRAVEL**, with Silt Brown, Medium Dense, Moist									
	2.5 **SILT**, with Sand Brown, Medium Stiff, Moist to Wet				PP	39				
	4 **SILT**, trace Sand Gray, Medium Stiff, Wet TPH Odor									B6 @5ft
	5 **BOTTOM OF BORING**	5								
		10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▼	▽
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-7

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N BLOWS / ft.	TESTS WATER CONTENT, %	TESTS FIELD VAPOR TEST (PPM)*	TESTS SOIL SAMPLE SENT TO LABORATORY
	0.5 4" Asphalt									
	1.25 **Sandy GRAVEL**, with Silt Brown, Medium Dense, Moist (Fill)									
	1.5 3" Asphalt				PP	28				
	Sandy GRAVEL, trace Silt Gray, Medium Dense, Moist 3.5									
	SILT, with Sand Gray, Medium Stiff, Wet				PP	39				
	TPH Odor	10			PP	35				B7 @8ft
	12 **BOTTOM OF BORING** Drilling refusal at 12 feet.	15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽ 6	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-8

CLIENT **Loves**

SITE **1512 Highway 97, Ellensburg, Washington**

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.5 5" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	30				
	2.5 **SILT**, with Sand Brown, Medium Stiff, Moist				PP	38				
	5 **Sandy GRAVEL**, trace Silt Brown, Medium Dense, Wet to Saturated ▽	5			PP	26				B8 @6ft
	12 **BOTTOM OF BORING**	10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽ 6	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-9

CLIENT: **Loves**

SITE: **1512 Highway 97, Ellensburg, Washington**

PROJECT: **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.5 4" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	24				
	2.5 **SILT**, with Sand Brown, Medium Stiff, Moist to Wet									
	3.5 **Sandy GRAVEL**, trace Silt Brown, Medium Dense, Wet to Saturated ▽	5			PP	30				B9 @7ft
		10			PP	7				
		15			PP	30				
	16 **BOTTOM OF BORING**									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽ 7	▼
WL	▼	▼
WL		

Terracon

BORING STARTED	08-16-10
BORING COMPLETED	08-16-10
RIG AMS PP 9500	DRILLER ESN
LOGGED AJD	JOB # 81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-10

CLIENT **Loves**

SITE **1512 Highway 97, Ellensburg, Washington**

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.5 6" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	30				
	4									
	SILT, with Sand, trace Gravel Gray, Medium Stiff, Wet, Organics< TPH Odor	5								B10 @5ft
	6									
	BOTTOM OF BORING	10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-11

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.5 6" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	43				
	3.5 **SILT**, with Sand, trace Gravel Gray, Medium Stiff, Wet, Organics, TPH Odor	5								B11 @4.5ft
	5.5 **BOTTOM OF BORING**	10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-12

CLIENT: **Loves**

SITE: **1512 Highway 97, Ellensburg, Washington**

PROJECT: **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.5 6" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	23				
	4.5 **SILT**, with Sand, trace Gravel Gray, Medium Stiff, Wet	5			PP	44				
	6 **Sandy GRAVEL**, trace Silt ▽ Brown, Medium Dense, Wet to Saturated									B12 @6ft
		10			PP	25				
	12 **BOTTOM OF BORING** Drilling refusal at 12 feet bgs.	15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft			
WL	▽ 6.5	▼	
WL	▽	▼	
WL			

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-13

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: FIELD VAPOR TEST (PPM)*	TESTS: SOIL SAMPLE SENT TO LABORATORY
	0.5 6" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	24				B13 @3.5ft
	5.5 **BOTTOM OF BORING**	5								
		10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-14

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N BLOWS / ft.	TESTS WATER CONTENT, %	TESTS FIELD VAPOR TEST (PPM)*	TESTS SOIL SAMPLE SENT TO LABORATORY
	0.5 6" Asphalt									
	Sandy GRAVEL, with Silt Brown, Medium Dense, Moist				PP	44				
	2.5 **Sandy SILT** Brown, Medium Stiff, Wet	5								B14 @5ft
	5.5 **BOTTOM OF BORING**	10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG AMS PP 9500		DRILLER	ESN
LOGGED AJD		JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

LOG OF BORING NO. B-15

CLIENT **Loves**

SITE **1512 Highway 97**
Ellensburg, Washington

PROJECT **Ellensburg Loves**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N BLOWS / ft.	TESTS WATER CONTENT, %	TESTS FIELD VAPOR TEST (PPM)*	TESTS SOIL SAMPLE SENT TO LABORATORY
	0.5 6" Asphalt									
	1.5 **Sandy GRAVEL**, with Silt Brown, Medium Dense, Moist				PP	43				
	4 **SAND**, trace Silt Brown, Medium Dense, Moist									
	5 **Sandy SILT** Brown, Medium Stiff, Moist to Wet									B15 @4.5ft
	BOTTOM OF BORING	5								
		10								
		15								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

* ND indicates a reading of less than the field detection limit (FDL) of one (1) part per million isobutylene equivalents (ppmi).

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▼
WL	▽	▼
WL		

Terracon

BORING STARTED	08-16-10		
BORING COMPLETED	08-16-10		
RIG	AMS PP 9500	DRILLER	ESN
LOGGED	AJD	JOB #	81109090

BOREHOLE 99 DRAFT LOGS.GPJ TERRACON.GDT 09/03/10

APPENDIX C

Tables

APPENDIX C
Laboratory Results Summary Table 1

Table 1
Soil Analytical Results
Love's Travel Stop-Ellensburg, Washington, 1512 Highway 97

Sample ID	Date	Sample Depth (bgs)	BTEX (µg/Kg)				TPH (mg/Kg)		
			Benzene	Ethyl-benzene	Toluene	Xylenes	TPH-G	TPH-D	TPH-O
B-1	8/13/10	6'	<2.8 BDL	<2.8 BDL	<2.8 BDL	<8.3 BDL	<5.9 BDL	<18.5 BDL	<73.9 BDL
B-3	8/13/10	7½'	<2.9 BDL	<2.9 BDL	<2.9 BDL	<8.6 BDL	<7.6 BDL	<19.6 BDL	<78.2 BDL
B-4	8/13/10	3½'	<2.4 BDL	<2.4 BDL	<2.4 BDL	<7.3 BDL	<4.9 BDL	<18.9 BDL	<75.5 BDL
B-5	8/13/10	3'	**8,650**	**9,720**	**52,800**	**45,100**	**436**	94.9	140
B-6	8/13/10	5'	29.8	3.2	<2.4 BDL	19.9	7.2	<19.2 BDL	<76.8 BDL
B-7	8/13/10	8'	**153**	**45,500**	554	**247,000**	**3,700**	423	<77.0 BDL
B-8	8/13/10	6'	<2.9 BDL	<2.9 BDL	<2.9 BDL	<8.6 BDL	<5.3 BDL	<19.9 BDL	<79.8 BDL
B-9	8/13/10	7'	<2.3 BDL	<2.3 BDL	<2.3 BDL	<7.0 BDL	<4.8 BDL	<18.9 BDL	<75.8 BDL
B-10	8/13/10	5'	**10,800**	**46,900**	1,640	**65,200**	**1,890**	**3,120**	98.3
B-11	8/13/10	4½'	**1,750**	4,320	30.2	7,070	**1,250**	**9,960**	518
B-12	8/13/10	6'	<2.7 BDL	<2.7 BDL	<2.7 BDL	<8.0 BDL	<5.3 BDL	<18.8 BDL	<75.2 BDL
B-13	8/13/10	3½'	<2.4 BDL	<2.4 BDL	<2.4 BDL	<7.1 BDL	<4.9 BDL	<19.0 BDL	<76.0 BDL
B-14	8/13/10	5'	<2.4 BDL	<2.4 BDL	<2.4 BDL	<7.3 BDL	<5.4 BDL	<18.4 BDL	<73.5 BDL
B-15	8/13/10	7'	<2.5 BDL	<2.5 BDL	<2.5 BDL	<7.6 BDL	<5.1 BDL	<19.5 BDL	<78.1 BDL
MTCA Method A cleanup levels			30	6,000	7,000	9,000	100/ 30*	2,000	2,000

BDL = Below Detection Limits
*Cleanup level for TPH-G is 100 mg/kg when benzene is not present and 30 mg/kg when benzene is present.

Table 1B
Soil Analytical Results
Love's Travel Stop-Ellensburg, Washington, 1512 Highway 97

Sample ID	Date	Sample Depth (bgs)	Polycyclic Aromatic Hydrocarbons: PAHs (µg/kg)							
			Acenaphthene	Acenaphthylene	Anthracene	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene
B-7	8/16/10	8'	104	22.2	37.0	14.1	256	1,800	255	57.5
B-11	8/16/10	4½'	1,240	288	521	184	3,490	**5,800**	4,200	344
MTCA Method A cleanup levels			4,800,000	NECL	24,000,000	3,200,000	3,200,000	5,000	NECL	2,400,000

BDL = Below Detection Limits
NECL = No Established Cleanup Level

Table 1C
Soil Analytical Results
Love's Travel Stop-Ellensburg, Washington, 1512 Highway 97

Sample ID	Date	Sample Depth (bgs)	Carcinogenic Polycyclic Aromatic Hydrocarbons: cPAHs (µg/kg)				
			Benzo(a)anthracene	*Benzo(a)anthracene	chrysene	*chrysene	Weighted Total cPAH
B-11	8/16/10	4½'	17.8	1.78	45.6	0.456	2.236
MTCA Toxic Equivalency Factor (TEF)			0.1	-	0.01	-	-
MTCA Method A cleanup level for Benzo(a)pyrene							100

BDL = Below Detection Limits
*Compound concentration multiplied by the TEF.

Table 2
Groundwater Analytical Results
Love's Travel Stop-Ellensburg, Washington, 1512 Highway 97

Sample ID	Date	BTEX (µg/Kg)				TPH (µg/Kg)		
		Benzene	Ethyl-benzene	Toluene	Xylenes	TPH-G	TPH-D	TPH-O
B-3	8/16/10	**96.7**	3.0	<1.0 BDL	<3.0 BDL	<250 BDL	**4,140**	<400 BDL
B-7	8/16/10	**932**	**1,520**	84.4	**4,820**	**25,400**	**4,970**	**837**
B-12	8/16/10	<1.0 BDL	<1.0 BDL	<1.0 BDL	<3.0 BDL	<50.0 BDL	<80.0 BDL	<400 BDL
MTCA Method A cleanup levels		5	700	1,000	1,000	800/ 1,000*	500	500

BDL = Below Detection Limits
*Cleanup level for TPH-G is 1,000 µg/Kg when benzene is not present and 800 µg/Kg when benzene is present.

APPENDIX D

Laboratory Data Sheets

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

LIMS USE: FR - SEAN DONNAN
LIMS OBJECT ID: 254571

August 31, 2010

Sean Donnan
Terracon-WA
21905 64th Ave W Ste. 100
Mountlake Terrace, WA 98043

RE: Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Dear Sean Donnan:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Samples were received at a temperate above 6.0 degrees C. Pace proceeded with analyses at client's request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina SteMarie

regina.stemarie@pacelabs.com
Project Manager

Enclosures

cc: Alex DeOme, Terracon-WA

Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Washington Certification IDs
940 South Harney Street, Seattle, WA 98108
Alaska CS Certification #: UST-025
Alaska Drinking Water VOC Certification #: WA01230
Alaska Drinking Water Micro Certification #: WA01230
California Certification #: 01153CA
Florida/NELAP Certification #: E87617
Oregon Certification #: WA200007
Washington Certification #: C1229

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SAMPLE ANALYTE COUNT

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
254571001	B1@6ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571002	B3@7 1/2ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571003	B4@3 1/2ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571004	B5@3ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571005	B6@5ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571006	B7@8ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8270 by SIM	DMT	18	PASI-S
		EPA 8260	ATH	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571007	B8@6ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571008	B9@7ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571009	B10@5ft	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	ATH	8	PASI-S
		ASTM D2974-87	CC	1	PASI-S

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SAMPLE ANALYTE COUNT

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
254571010	**B11@4 1/2ft**	NWTPH-Dx	DMT, ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8270 by SIM	DMT	18	PASI-S
		EPA 8260	ATH	7	PASI-S
		EPA 8260	LPM	5	PASI-S
		ASTM D2974-87	CC	1	PASI-S
254571011	**B12@6ft**	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
254571012	**B13@3 1/2ft**	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
254571013	**B14@5ft**	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
254571014	**B15@4 1/2ft**	NWTPH-Dx	ERB	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 8260	LPM	8	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
254571015	**B3**	NWTPH-Dx	DMT	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 5030B/8260	LPM	8	PASI-S
254571016	**B7**	NWTPH-Dx	DMT	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 5030B/8260	ATH	8	PASI-S
254571017	**B12**	NWTPH-Dx	DMT	4	PASI-S
		NWTPH-Gx	AY1	3	PASI-S
		EPA 5030B/8260	ATH	8	PASI-S

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS
Client: Terracon-WA
Date: August 31, 2010

General Information:
14 samples were analyzed for NWTPH-Dx. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/2513

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- B11@4 1/2ft (Lab ID: 254571010)
  - o-Terphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

A sample duplicate was not performed for this batch due to insufficient sample volume.
- QC Batch: GCSV / 1809

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS
Client: Terracon-WA
Date: August 31, 2010

General Information:
3 samples were analyzed for NWTPH-Dx. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/2513

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- B11@4 1/2ft (Lab ID: 254571010)
  - o-Terphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

A sample duplicate was not performed for this batch due to insufficient sample volume.
- QC Batch: GCSV / 1809

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Terracon-WA
Date: August 31, 2010

General Information:
14 samples were analyzed for NWTPH-Gx. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with NWTPH-Gx with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: GCV/1774

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
- B11@4 1/2ft (Lab ID: 254571010)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: GCV/1778

R1: RPD value was outside control limits.
- DUP (Lab ID: 37335)
  - Gasoline Range Organics

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Terracon-WA
Date: August 31, 2010

Additional Comments:

Analyte Comments:

QC Batch: GCV/1778

1n: Sample was originally run at a dilution. Due to limited sample volume sample could not be re-run at a 1x.
- B3 (Lab ID: 254571015)
  - Gasoline Range Organics

General Information:
3 samples were analyzed for NWTPH-Gx. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: GCV/1774

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
- B11@4 1/2ft (Lab ID: 254571010)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Terracon-WA
Date: August 31, 2010

QC Batch: GCV/1778

R1: RPD value was outside control limits.
- DUP (Lab ID: 37335)
  - Gasoline Range Organics

Additional Comments:

Analyte Comments:

QC Batch: GCV/1778

1n: Sample was originally run at a dilution. Due to limited sample volume sample could not be re-run at a 1x.
- B3 (Lab ID: 254571015)
  - Gasoline Range Organics

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: Terracon-WA
Date: August 31, 2010

General Information:
2 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/2502

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 254571006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 36841)
  - Fluorene
  - Naphthalene
  - Phenanthrene
- MSD (Lab ID: 36842)
  - Fluorene
  - Naphthalene
  - Phenanthrene

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: Terracon-WA
Date: August 31, 2010

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: Terracon-WA
Date: August 31, 2010

General Information:
3 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/2871

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- MS (Lab ID: 37005)
  - 1,2-Dichloroethane-d4 (S)
- MSD (Lab ID: 37006)
  - 1,2-Dichloroethane-d4 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/2871

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 254529018

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 37005)
  - Benzene
  - Ethylbenzene
  - Toluene
  - Xylene (Total)
- MSD (Lab ID: 37006)
  - Benzene

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: Terracon-WA
Date: August 31, 2010

QC Batch: MSV/2871

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 254529018

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Ethylbenzene
- Toluene
- Xylene (Total)

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/2871

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 37005)
  - Benzene
  - Ethylbenzene
  - Toluene
  - Xylene (Total)
- MSD (Lab ID: 37006)
  - Benzene
  - Ethylbenzene
  - Toluene
  - Xylene (Total)

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: EPA 8260
Description: 8260 MSV Medium LL
Client: Terracon-WA
Date: August 31, 2010

General Information:
4 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035A/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Method: EPA 8260
Description: 8260/5035A Volatile Organics
Client: Terracon-WA
Date: August 31, 2010

General Information:
11 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/2870

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
- B11@4 1/2ft (Lab ID: 254571010)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B1@6ft **Lab ID: 254571001** Collected: 08/16/10 10:00 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	18.5	1	08/18/10 16:35	08/19/10 23:39		
Motor Oil Range	ND	mg/kg	73.9	1	08/18/10 16:35	08/19/10 23:39	64742-65-0	
n-Octacosane (S)	91	%	50-150	1	08/18/10 16:35	08/19/10 23:39	630-02-4	
o-Terphenyl (S)	92	%	50-150	1	08/18/10 16:35	08/19/10 23:39	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	5.9	1	08/18/10 10:00	08/19/10 02:07		
a,a,a-Trifluorotoluene (S)	106	%	50-150	1	08/18/10 10:00	08/19/10 02:07	98-08-8	
4-Bromofluorobenzene (S)	106	%	50-150	1	08/18/10 10:00	08/19/10 02:07	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.8	1		08/18/10 10:24	71-43-2	
Ethylbenzene	ND	ug/kg	2.8	1		08/18/10 10:24	100-41-4	
Toluene	ND	ug/kg	2.8	1		08/18/10 10:24	108-88-3	
Xylene (Total)	ND	ug/kg	8.3	1		08/18/10 10:24	1330-20-7	
Dibromofluoromethane (S)	101	%	80-136	1		08/18/10 10:24	1868-53-7	
Toluene-d8 (S)	89	%	80-120	1		08/18/10 10:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	72-122	1		08/18/10 10:24	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	80-143	1		08/18/10 10:24	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**25.9**	%	0.10	1		08/18/10 15:51		

Sample: B3@7 1/2ft **Lab ID: 254571002** Collected: 08/16/10 11:00 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	19.6	1	08/18/10 16:35	08/19/10 23:55		
Motor Oil Range	ND	mg/kg	78.2	1	08/18/10 16:35	08/19/10 23:55	64742-65-0	
n-Octacosane (S)	89	%	50-150	1	08/18/10 16:35	08/19/10 23:55	630-02-4	
o-Terphenyl (S)	89	%	50-150	1	08/18/10 16:35	08/19/10 23:55	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	7.6	1	08/18/10 10:00	08/19/10 03:19		
a,a,a-Trifluorotoluene (S)	97	%	50-150	1	08/18/10 10:00	08/19/10 03:19	98-08-8	
4-Bromofluorobenzene (S)	99	%	50-150	1	08/18/10 10:00	08/19/10 03:19	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.9	1		08/18/10 10:43	71-43-2	
Ethylbenzene	ND	ug/kg	2.9	1		08/18/10 10:43	100-41-4	
Toluene	ND	ug/kg	2.9	1		08/18/10 10:43	108-88-3	
Xylene (Total)	ND	ug/kg	8.6	1		08/18/10 10:43	1330-20-7	

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(206)767-5060

ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B3@7 1/2ft **Lab ID: 254571002** Collected: 08/16/10 11:00 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Dibromofluoromethane (S)	102	%	80-136	1		08/18/10 10:43	1868-53-7	
Toluene-d8 (S)	89	%	80-120	1		08/18/10 10:43	2037-26-5	
4-Bromofluorobenzene (S)	92	%	72-122	1		08/18/10 10:43	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-143	1		08/18/10 10:43	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**33.8**	%	0.10	1		08/18/10 15:53		

Sample: B4@3 1/2ft **Lab ID: 254571003** Collected: 08/16/10 12:00 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	18.9	1	08/18/10 16:35	08/20/10 00:12		
Motor Oil Range	ND	mg/kg	75.5	1	08/18/10 16:35	08/20/10 00:12	64742-65-0	
n-Octacosane (S)	92	%	50-150	1	08/18/10 16:35	08/20/10 00:12	630-02-4	
o-Terphenyl (S)	90	%	50-150	1	08/18/10 16:35	08/20/10 00:12	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	4.9	1	08/19/10 10:00	08/19/10 13:10		
a,a,a-Trifluorotoluene (S)	118	%	50-150	1	08/19/10 10:00	08/19/10 13:10	98-08-8	
4-Bromofluorobenzene (S)	103	%	50-150	1	08/19/10 10:00	08/19/10 13:10	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.4	1		08/18/10 11:03	71-43-2	
Ethylbenzene	ND	ug/kg	2.4	1		08/18/10 11:03	100-41-4	
Toluene	ND	ug/kg	2.4	1		08/18/10 11:03	108-88-3	
Xylene (Total)	ND	ug/kg	7.3	1		08/18/10 11:03	1330-20-7	
Dibromofluoromethane (S)	103	%	80-136	1		08/18/10 11:03	1868-53-7	
Toluene-d8 (S)	86	%	80-120	1		08/18/10 11:03	2037-26-5	
4-Bromofluorobenzene (S)	91	%	72-122	1		08/18/10 11:03	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	80-143	1		08/18/10 11:03	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**7.1**	%	0.10	1		08/18/10 15:56		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
940 South Harney
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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B5@3ft **Lab ID: 254571004** Collected: 08/16/10 12:30 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	**94.9**	mg/kg	18.6	1	08/19/10 16:50	08/20/10 18:43		
Motor Oil Range	**140**	mg/kg	74.3	1	08/19/10 16:50	08/20/10 18:43	64742-65-0	
n-Octacosane (S)	92	%	50-150	1	08/19/10 16:50	08/20/10 18:43	630-02-4	
o-Terphenyl (S)	97	%	50-150	1	08/19/10 16:50	08/20/10 18:43	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	**436**	mg/kg	52.4	10	08/19/10 10:00	08/19/10 21:55		
a,a,a-Trifluorotoluene (S)	109	%	50-150	10	08/19/10 10:00	08/19/10 21:55	98-08-8	
4-Bromofluorobenzene (S)	97	%	50-150	10	08/19/10 10:00	08/19/10 21:55	460-00-4	
8260 MSV Medium LL	Analytical Method: EPA 8260 Preparation Method: EPA 5035A/5030B							
Benzene	**8650**	ug/kg	21.0	1	08/20/10 12:00	08/20/10 18:48	71-43-2	
Ethylbenzene	**9720**	ug/kg	26.2	1	08/20/10 12:00	08/20/10 18:48	100-41-4	
Toluene	**52800**	ug/kg	262	10	08/20/10 12:00	08/24/10 13:40	108-88-3	
Xylene (Total)	**45100**	ug/kg	78.7	1	08/20/10 12:00	08/20/10 18:48	1330-20-7	
Dibromofluoromethane (S)	91	%	60-140	1	08/20/10 12:00	08/20/10 18:48	1868-53-7	
Toluene-d8 (S)	92	%	60-140	1	08/20/10 12:00	08/20/10 18:48	2037-26-5	
4-Bromofluorobenzene (S)	94	%	60-140	1	08/20/10 12:00	08/20/10 18:48	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	60-140	1	08/20/10 12:00	08/20/10 18:48	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.0**	%	0.10	1		08/18/10 15:56		

Sample: B6@5ft **Lab ID: 254571005** Collected: 08/16/10 12:45 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	19.2	1	08/19/10 16:50	08/20/10 19:15		
Motor Oil Range	ND	mg/kg	76.8	1	08/19/10 16:50	08/20/10 19:15	64742-65-0	
n-Octacosane (S)	98	%	50-150	1	08/19/10 16:50	08/20/10 19:15	630-02-4	
o-Terphenyl (S)	99	%	50-150	1	08/19/10 16:50	08/20/10 19:15	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	**7.2**	mg/kg	5.2	1	08/19/10 10:00	08/19/10 13:34		
a,a,a-Trifluorotoluene (S)	112	%	50-150	1	08/19/10 10:00	08/19/10 13:34	98-08-8	
4-Bromofluorobenzene (S)	98	%	50-150	1	08/19/10 10:00	08/19/10 13:34	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	**29.8**	ug/kg	2.4	1		08/18/10 13:26	71-43-2	
Ethylbenzene	**3.2**	ug/kg	2.4	1		08/18/10 13:26	100-41-4	
Toluene	ND	ug/kg	2.4	1		08/18/10 13:26	108-88-3	
Xylene (Total)	**19.9**	ug/kg	7.3	1		08/18/10 13:26	1330-20-7	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B6@5ft **Lab ID: 254571005** Collected: 08/16/10 12:45 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Dibromofluoromethane (S)	100	%	80-136	1		08/18/10 13:26	1868-53-7	
Toluene-d8 (S)	87	%	80-120	1		08/18/10 13:26	2037-26-5	
4-Bromofluorobenzene (S)	94	%	72-122	1		08/18/10 13:26	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-143	1		08/18/10 13:26	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.7**	%	0.10	1		08/18/10 15:58		

Sample: B7@8ft **Lab ID: 254571006** Collected: 08/16/10 15:45 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	**423**	mg/kg	19.2	1	08/19/10 16:50	08/20/10 19:32		
Motor Oil Range	ND	mg/kg	77.0	1	08/19/10 16:50	08/20/10 19:32	64742-65-0	
n-Octacosane (S)	99	%	50-150	1	08/19/10 16:50	08/20/10 19:32	630-02-4	
o-Terphenyl (S)	101	%	50-150	1	08/19/10 16:50	08/20/10 19:32	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	**3700**	mg/kg	425	100	08/20/10 17:00	08/21/10 01:44		
a,a,a-Trifluorotoluene (S)	112	%	50-150	100	08/20/10 17:00	08/21/10 01:44	98-08-8	
4-Bromofluorobenzene (S)	118	%	50-150	100	08/20/10 17:00	08/21/10 01:44	460-00-4	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	**104**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	83-32-9	
Acenaphthylene	**22.2**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	208-96-8	
Anthracene	**37.0**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	207-08-9	
Chrysene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	53-70-3	
Fluoranthene	**14.1**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	206-44-0	
Fluorene	**256**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	193-39-5	
Naphthalene	**1800**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	91-20-3	
Phenanthrene	**255**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	85-01-8	
Pyrene	**57.5**	ug/kg	7.5	1	08/18/10 16:40	08/19/10 17:39	129-00-0	
2-Fluorobiphenyl (S)	69	%	55-136	1	08/18/10 16:40	08/19/10 17:39	321-60-8	
Terphenyl-d14 (S)	73	%	60-144	1	08/18/10 16:40	08/19/10 17:39	1718-51-0	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B7@8ft **Lab ID: 254571006** Collected: 08/16/10 15:45 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Medium LL	Analytical Method: EPA 8260 Preparation Method: EPA 5035A/5030B							
Benzene	**153**	ug/kg	17.0	1	08/20/10 12:00	08/24/10 14:04	71-43-2	
Ethylbenzene	**45500**	ug/kg	1060	50	08/20/10 12:00	08/20/10 19:37	100-41-4	
Toluene	**554**	ug/kg	21.3	1	08/20/10 12:00	08/24/10 14:04	108-88-3	
Xylene (Total)	**247000**	ug/kg	3190	50	08/20/10 12:00	08/20/10 19:37	1330-20-7	
Dibromofluoromethane (S)	105	%	60-140	1	08/20/10 12:00	08/24/10 14:04	1868-53-7	
Toluene-d8 (S)	113	%	60-140	1	08/20/10 12:00	08/24/10 14:04	2037-26-5	
4-Bromofluorobenzene (S)	114	%	60-140	1	08/20/10 12:00	08/24/10 14:04	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	60-140	1	08/20/10 12:00	08/24/10 14:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.8**	%	0.10	1		08/18/10 16:07		

Sample: B8@6ft **Lab ID: 254571007** Collected: 08/16/10 13:50 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	19.9	1	08/19/10 16:50	08/20/10 19:48		
Motor Oil Range	ND	mg/kg	79.8	1	08/19/10 16:50	08/20/10 19:48	64742-65-0	
n-Octacosane (S)	101	%	50-150	1	08/19/10 16:50	08/20/10 19:48	630-02-4	
o-Terphenyl (S)	104	%	50-150	1	08/19/10 16:50	08/20/10 19:48	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	5.3	1	08/19/10 10:00	08/19/10 14:23		
a,a,a-Trifluorotoluene (S)	120	%	50-150	1	08/19/10 10:00	08/19/10 14:23	98-08-8	
4-Bromofluorobenzene (S)	110	%	50-150	1	08/19/10 10:00	08/19/10 14:23	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.9	1		08/20/10 09:12	71-43-2	
Ethylbenzene	ND	ug/kg	2.9	1		08/20/10 09:12	100-41-4	
Toluene	ND	ug/kg	2.9	1		08/20/10 09:12	108-88-3	
Xylene (Total)	ND	ug/kg	8.6	1		08/20/10 09:12	1330-20-7	
Dibromofluoromethane (S)	103	%	80-136	1		08/20/10 09:12	1868-53-7	
Toluene-d8 (S)	87	%	80-120	1		08/20/10 09:12	2037-26-5	
4-Bromofluorobenzene (S)	91	%	72-122	1		08/20/10 09:12	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	80-143	1		08/20/10 09:12	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**7.6**	%	0.10	1		08/18/10 16:11		

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B9@7ft **Lab ID: 254571008** Collected: 08/16/10 14:15 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	18.9	1	08/19/10 16:50	08/20/10 20:37		
Motor Oil Range	ND	mg/kg	75.8	1	08/19/10 16:50	08/20/10 20:37	64742-65-0	
n-Octacosane (S)	100	%	50-150	1	08/19/10 16:50	08/20/10 20:37	630-02-4	
o-Terphenyl (S)	101	%	50-150	1	08/19/10 16:50	08/20/10 20:37	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	4.8	1	08/19/10 10:00	08/19/10 14:47		
a,a,a-Trifluorotoluene (S)	123	%	50-150	1	08/19/10 10:00	08/19/10 14:47	98-08-8	
4-Bromofluorobenzene (S)	111	%	50-150	1	08/19/10 10:00	08/19/10 14:47	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.3	1		08/19/10 15:01	71-43-2	
Ethylbenzene	ND	ug/kg	2.3	1		08/19/10 15:01	100-41-4	
Toluene	ND	ug/kg	2.3	1		08/19/10 15:01	108-88-3	
Xylene (Total)	ND	ug/kg	7.0	1		08/19/10 15:01	1330-20-7	
Dibromofluoromethane (S)	97	%	80-136	1		08/19/10 15:01	1868-53-7	
Toluene-d8 (S)	88	%	80-120	1		08/19/10 15:01	2037-26-5	
4-Bromofluorobenzene (S)	89	%	72-122	1		08/19/10 15:01	460-00-4	
1,2-Dichloroethane-d4 (S)	83	%	80-143	1		08/19/10 15:01	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.0**	%	0.10	1		08/18/10 16:12		

Sample: B10@5ft **Lab ID: 254571009** Collected: 08/16/10 15:15 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	**3120**	mg/kg	19.8	1	08/19/10 16:50	08/20/10 20:54		
Motor Oil Range	**98.3**	mg/kg	79.1	1	08/19/10 16:50	08/20/10 20:54	64742-65-0	
n-Octacosane (S)	92	%	50-150	1	08/19/10 16:50	08/20/10 20:54	630-02-4	
o-Terphenyl (S)	102	%	50-150	1	08/19/10 16:50	08/20/10 20:54	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	**1890**	mg/kg	55.0	10	08/19/10 10:00	08/19/10 22:43		
a,a,a-Trifluorotoluene (S)	94	%	50-150	10	08/19/10 10:00	08/19/10 22:43	98-08-8	
4-Bromofluorobenzene (S)	137	%	50-150	10	08/19/10 10:00	08/19/10 22:43	460-00-4	
8260 MSV Medium LL	Analytical Method: EPA 8260 Preparation Method: EPA 5035A/5030B							
Benzene	**10800**	ug/kg	220	10	08/24/10 07:00	08/24/10 12:04	71-43-2	
Ethylbenzene	**46900**	ug/kg	275	10	08/24/10 07:00	08/24/10 12:04	100-41-4	
Toluene	**1640**	ug/kg	275	10	08/24/10 07:00	08/24/10 12:04	108-88-3	
Xylene (Total)	**65200**	ug/kg	825	10	08/24/10 07:00	08/24/10 12:04	1330-20-7	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B10@5ft **Lab ID: 254571009** Collected: 08/16/10 15:15 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Medium LL	Analytical Method: EPA 8260 Preparation Method: EPA 5035A/5030B							
Dibromofluoromethane (S)	94	%	60-140	10	08/24/10 07:00	08/24/10 12:04	1868-53-7	
Toluene-d8 (S)	86	%	60-140	10	08/24/10 07:00	08/24/10 12:04	2037-26-5	
4-Bromofluorobenzene (S)	94	%	60-140	10	08/24/10 07:00	08/24/10 12:04	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	60-140	10	08/24/10 07:00	08/24/10 12:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.9**	%	0.10	1		08/18/10 16:15		

Sample: B11@4 1/2ft **Lab ID: 254571010** Collected: 08/16/10 15:30 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	**9960**	mg/kg	192	10	08/19/10 16:50	08/23/10 11:48		
Motor Oil Range	**518**	mg/kg	76.6	1	08/19/10 16:50	08/20/10 21:10	64742-65-0	
n-Octacosane (S)	96	%	50-150	1	08/19/10 16:50	08/20/10 21:10	630-02-4	
o-Terphenyl (S)	0	%	50-150	10	08/19/10 16:50	08/23/10 11:48	84-15-1	S4
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	**1250**	mg/kg	51.6	10	08/19/10 10:00	08/19/10 23:07		
a,a,a-Trifluorotoluene (S)	123	%	50-150	10	08/19/10 10:00	08/19/10 23:07	98-08-8	
4-Bromofluorobenzene (S)	166	%	50-150	10	08/19/10 10:00	08/19/10 23:07	460-00-4	S5
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	**1240**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	83-32-9	
Acenaphthylene	**288**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	208-96-8	
Anthracene	**521**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	120-12-7	
Benzo(a)anthracene	**17.8**	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	207-08-9	
Chrysene	**45.6**	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	53-70-3	
Fluoranthene	**184**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	206-44-0	
Fluorene	**3490**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	193-39-5	
Naphthalene	**5800**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	91-20-3	
Phenanthrene	**4200**	ug/kg	81.2	10	08/18/10 16:40	08/20/10 17:06	85-01-8	
Pyrene	**344**	ug/kg	8.1	1	08/18/10 16:40	08/19/10 18:29	129-00-0	
2-Fluorobiphenyl (S)	92	%	55-136	10	08/18/10 16:40	08/20/10 17:06	321-60-8	
Terphenyl-d14 (S)	67	%	60-144	1	08/18/10 16:40	08/19/10 18:29	1718-51-0	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B11@4 1/2ft **Lab ID: 254571010** Collected: 08/16/10 15:30 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Medium LL	Analytical Method: EPA 8260 Preparation Method: EPA 5035A/5030B							
Benzene	**1750**	ug/kg	25.5	1	08/24/10 07:00	08/24/10 13:16	71-43-2	
Ethylbenzene	**4320**	ug/kg	31.9	1	08/24/10 07:00	08/24/10 13:16	100-41-4	
Xylene (Total)	**7070**	ug/kg	95.7	1	08/24/10 07:00	08/24/10 13:16	1330-20-7	
Dibromofluoromethane (S)	93	%	60-140	1	08/24/10 07:00	08/24/10 13:16	1868-53-7	
Toluene-d8 (S)	95	%	60-140	1	08/24/10 07:00	08/24/10 13:16	2037-26-5	
4-Bromofluorobenzene (S)	108	%	60-140	1	08/24/10 07:00	08/24/10 13:16	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	60-140	1	08/24/10 07:00	08/24/10 13:16	17060-07-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Toluene	**30.2**	ug/kg	2.6	1		08/18/10 15:02	108-88-3	
Dibromofluoromethane (S)	92	%	80-136	1		08/18/10 15:02	1868-53-7	
Toluene-d8 (S)	90	%	80-120	1		08/18/10 15:02	2037-26-5	
4-Bromofluorobenzene (S)	521	%	72-122	1		08/18/10 15:02	460-00-4	S5
1,2-Dichloroethane-d4 (S)	119	%	80-143	1		08/18/10 15:02	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.1**	%	0.10	1		08/18/10 16:17		

Sample: B12@6ft **Lab ID: 254571011** Collected: 08/16/10 16:15 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	18.8	1	08/19/10 16:50	08/20/10 21:26		
Motor Oil Range	ND	mg/kg	75.2	1	08/19/10 16:50	08/20/10 21:26	64742-65-0	
n-Octacosane (S)	100	%	50-150	1	08/19/10 16:50	08/20/10 21:26	630-02-4	
o-Terphenyl (S)	101	%	50-150	1	08/19/10 16:50	08/20/10 21:26	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	5.3	1	08/19/10 10:00	08/19/10 15:11		
a,a,a-Trifluorotoluene (S)	121	%	50-150	1	08/19/10 10:00	08/19/10 15:11	98-08-8	
4-Bromofluorobenzene (S)	110	%	50-150	1	08/19/10 10:00	08/19/10 15:11	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.7	1		08/19/10 14:42	71-43-2	
Ethylbenzene	ND	ug/kg	2.7	1		08/19/10 14:42	100-41-4	
Toluene	ND	ug/kg	2.7	1		08/19/10 14:42	108-88-3	
Xylene (Total)	ND	ug/kg	8.0	1		08/19/10 14:42	1330-20-7	
Dibromofluoromethane (S)	101	%	80-136	1		08/19/10 14:42	1868-53-7	
Toluene-d8 (S)	87	%	80-120	1		08/19/10 14:42	2037-26-5	
4-Bromofluorobenzene (S)	89	%	72-122	1		08/19/10 14:42	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	80-143	1		08/19/10 14:42	17060-07-0	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B12@6ft **Lab ID: 254571011** Collected: 08/16/10 16:15 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.9**	%	0.10	1		08/19/10 13:53		

Sample: B13@3 1/2ft **Lab ID: 254571012** Collected: 08/16/10 17:11 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	19.0	1	08/19/10 16:50	08/20/10 21:42		
Motor Oil Range	ND	mg/kg	76.0	1	08/19/10 16:50	08/20/10 21:42	64742-65-0	
n-Octacosane (S)	100	%	50-150	1	08/19/10 16:50	08/20/10 21:42	630-02-4	
o-Terphenyl (S)	102	%	50-150	1	08/19/10 16:50	08/20/10 21:42	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	4.9	1	08/19/10 10:00	08/19/10 20:44		
a,a,a-Trifluorotoluene (S)	119	%	50-150	1	08/19/10 10:00	08/19/10 20:44	98-08-8	
4-Bromofluorobenzene (S)	104	%	50-150	1	08/19/10 10:00	08/19/10 20:44	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.4	1		08/18/10 15:40	71-43-2	
Ethylbenzene	ND	ug/kg	2.4	1		08/18/10 15:40	100-41-4	
Toluene	ND	ug/kg	2.4	1		08/18/10 15:40	108-88-3	
Xylene (Total)	ND	ug/kg	7.1	1		08/18/10 15:40	1330-20-7	
Dibromofluoromethane (S)	100	%	80-136	1		08/18/10 15:40	1868-53-7	
Toluene-d8 (S)	87	%	80-120	1		08/18/10 15:40	2037-26-5	
4-Bromofluorobenzene (S)	92	%	72-122	1		08/18/10 15:40	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	80-143	1		08/18/10 15:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.6**	%	0.10	1		08/19/10 13:55		

Sample: B14@5ft **Lab ID: 254571013** Collected: 08/16/10 17:40 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	18.4	1	08/19/10 16:50	08/20/10 21:59		
Motor Oil Range	ND	mg/kg	73.5	1	08/19/10 16:50	08/20/10 21:59	64742-65-0	
n-Octacosane (S)	114	%	50-150	1	08/19/10 16:50	08/20/10 21:59	630-02-4	
o-Terphenyl (S)	117	%	50-150	1	08/19/10 16:50	08/20/10 21:59	84-15-1	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B14@5ft **Lab ID: 254571013** Collected: 08/16/10 17:40 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	5.4	1	08/19/10 10:00	08/19/10 21:08		
a,a,a-Trifluorotoluene (S)	119	%	50-150	1	08/19/10 10:00	08/19/10 21:08	98-08-8	
4-Bromofluorobenzene (S)	108	%	50-150	1	08/19/10 10:00	08/19/10 21:08	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.4	1		08/18/10 15:59	71-43-2	
Ethylbenzene	ND	ug/kg	2.4	1		08/18/10 15:59	100-41-4	
Toluene	ND	ug/kg	2.4	1		08/18/10 15:59	108-88-3	
Xylene (Total)	ND	ug/kg	7.3	1		08/18/10 15:59	1330-20-7	
Dibromofluoromethane (S)	97	%	80-136	1		08/18/10 15:59	1868-53-7	
Toluene-d8 (S)	88	%	80-120	1		08/18/10 15:59	2037-26-5	
4-Bromofluorobenzene (S)	91	%	72-122	1		08/18/10 15:59	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	80-143	1		08/18/10 15:59	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**4.4**	%	0.10	1		08/19/10 13:57		

Sample: B15@4 1/2ft **Lab ID: 254571014** Collected: 08/16/10 18:00 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range	ND	mg/kg	19.5	1	08/19/10 16:50	08/20/10 22:15		
Motor Oil Range	ND	mg/kg	78.1	1	08/19/10 16:50	08/20/10 22:15	64742-65-0	
n-Octacosane (S)	102	%	50-150	1	08/19/10 16:50	08/20/10 22:15	630-02-4	
o-Terphenyl (S)	104	%	50-150	1	08/19/10 16:50	08/20/10 22:15	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	5.1	1	08/19/10 10:00	08/19/10 21:32		
a,a,a-Trifluorotoluene (S)	118	%	50-150	1	08/19/10 10:00	08/19/10 21:32	98-08-8	
4-Bromofluorobenzene (S)	107	%	50-150	1	08/19/10 10:00	08/19/10 21:32	460-00-4	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	2.5	1		08/18/10 16:18	71-43-2	
Ethylbenzene	ND	ug/kg	2.5	1		08/18/10 16:18	100-41-4	
Toluene	ND	ug/kg	2.5	1		08/18/10 16:18	108-88-3	
Xylene (Total)	ND	ug/kg	7.5	1		08/18/10 16:18	1330-20-7	
Dibromofluoromethane (S)	99	%	80-136	1		08/18/10 16:18	1868-53-7	
Toluene-d8 (S)	87	%	80-120	1		08/18/10 16:18	2037-26-5	
4-Bromofluorobenzene (S)	90	%	72-122	1		08/18/10 16:18	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	80-143	1		08/18/10 16:18	17060-07-0	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B15@4 1/2ft **Lab ID: 254571014** Collected: 08/16/10 18:00 Received: 08/17/10 12:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.9**	%	0.10	1		08/19/10 13:59		

Sample: B3 **Lab ID: 254571015** Collected: 08/16/10 11:20 Received: 08/17/10 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range	**4140**	ug/L	80.0	1	08/20/10 12:25	08/23/10 10:58		
Motor Oil Range	ND	ug/L	400	1	08/20/10 12:25	08/23/10 10:58	64742-65-0	
n-Octacosane (S)	99	%	50-150	1	08/20/10 12:25	08/23/10 10:58	630-02-4	
o-Terphenyl (S)	103	%	50-150	1	08/20/10 12:25	08/23/10 10:58	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	ND	ug/L	250	5		08/20/10 15:03		1n
a,a,a-Trifluorotoluene (S)	95	%	50-150	5		08/20/10 15:03	98-08-8	
4-Bromofluorobenzene (S)	92	%	50-150	5		08/20/10 15:03	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	**96.7**	ug/L	1.0	1		08/20/10 12:51	71-43-2	
Ethylbenzene	**3.0**	ug/L	1.0	1		08/20/10 12:51	100-41-4	
Toluene	ND	ug/L	1.0	1		08/20/10 12:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/20/10 12:51	1330-20-7	
4-Bromofluorobenzene (S)	108	%	80-120	1		08/20/10 12:51	460-00-4	
Dibromofluoromethane (S)	114	%	80-122	1		08/20/10 12:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	80-124	1		08/20/10 12:51	17060-07-0	
Toluene-d8 (S)	95	%	80-123	1		08/20/10 12:51	2037-26-5	

Sample: B7 **Lab ID: 254571016** Collected: 08/16/10 19:00 Received: 08/17/10 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range	**4970**	ug/L	81.6	1	08/20/10 12:25	08/23/10 11:15		
Motor Oil Range	**837**	ug/L	408	1	08/20/10 12:25	08/23/10 11:15	64742-65-0	
n-Octacosane (S)	97	%	50-150	1	08/20/10 12:25	08/23/10 11:15	630-02-4	
o-Terphenyl (S)	104	%	50-150	1	08/20/10 12:25	08/23/10 11:15	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	**25400**	ug/L	1000	20		08/20/10 15:27		
a,a,a-Trifluorotoluene (S)	108	%	50-150	20		08/20/10 15:27	98-08-8	
4-Bromofluorobenzene (S)	101	%	50-150	20		08/20/10 15:27	460-00-4	

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ANALYTICAL RESULTS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Sample: B7 **Lab ID: 254571016** Collected: 08/16/10 19:00 Received: 08/17/10 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	**932**	ug/L	5.0	5		08/18/10 19:09	71-43-2	
Ethylbenzene	**1520**	ug/L	5.0	5		08/18/10 19:09	100-41-4	
Toluene	**84.4**	ug/L	5.0	5		08/18/10 19:09	108-88-3	
Xylene (Total)	**4820**	ug/L	15.0	5		08/18/10 19:09	1330-20-7	
4-Bromofluorobenzene (S)	93	%	80-120	5		08/18/10 19:09	460-00-4	
Dibromofluoromethane (S)	93	%	80-122	5		08/18/10 19:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	80-124	5		08/18/10 19:09	17060-07-0	
Toluene-d8 (S)	91	%	80-123	5		08/18/10 19:09	2037-26-5	

Sample: B12 **Lab ID: 254571017** Collected: 08/16/10 16:30 Received: 08/17/10 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510							
Diesel Range	ND	ug/L	80.0	1	08/20/10 12:25	08/23/10 11:32		
Motor Oil Range	ND	ug/L	400	1	08/20/10 12:25	08/23/10 11:32	64742-65-0	
n-Octacosane (S)	105	%	50-150	1	08/20/10 12:25	08/23/10 11:32	630-02-4	
o-Terphenyl (S)	105	%	50-150	1	08/20/10 12:25	08/23/10 11:32	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
Gasoline Range Organics	ND	ug/L	50.0	1		08/20/10 14:40		
a,a,a-Trifluorotoluene (S)	95	%	50-150	1		08/20/10 14:40	98-08-8	
4-Bromofluorobenzene (S)	92	%	50-150	1		08/20/10 14:40	460-00-4	
8260 MSV	Analytical Method: EPA 5030B/8260							
Benzene	ND	ug/L	1.0	1		08/18/10 17:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/18/10 17:52	100-41-4	
Toluene	ND	ug/L	1.0	1		08/18/10 17:52	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/18/10 17:52	1330-20-7	
4-Bromofluorobenzene (S)	92	%	80-120	1		08/18/10 17:52	460-00-4	
Dibromofluoromethane (S)	91	%	80-122	1		08/18/10 17:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	80-124	1		08/18/10 17:52	17060-07-0	
Toluene-d8 (S)	90	%	80-123	1		08/18/10 17:52	2037-26-5	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: OEXT/2501 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3546 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 254571001, 254571002, 254571003

METHOD BLANK: 36743 Matrix: Solid
Associated Lab Samples: 254571001, 254571002, 254571003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range	mg/kg	ND	20.0	08/20/10 12:09	
Motor Oil Range	mg/kg	ND	80.0	08/20/10 12:09	
n-Octacosane (S)	%	99	50-150	08/20/10 12:09	
o-Terphenyl (S)	%	99	50-150	08/20/10 12:09	

LABORATORY CONTROL SAMPLE: 36744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range	mg/kg	500	430	86	56-124	
Motor Oil Range	mg/kg	500	445	89	50-150	
n-Octacosane (S)	%			92	50-150	
o-Terphenyl (S)	%			108	50-150	

SAMPLE DUPLICATE: 36745

Parameter	Units	254551001 Result	Dup Result	RPD	Qualifiers
Diesel Range	mg/kg	ND	5.8J		
Motor Oil Range	mg/kg	ND	ND		
n-Octacosane (S)	%	96	90	9	
o-Terphenyl (S)	%	98	92	8	

SAMPLE DUPLICATE: 36746

Parameter	Units	254551011 Result	Dup Result	RPD	Qualifiers
Diesel Range	mg/kg	29.2	40.8	3	
Motor Oil Range	mg/kg	ND	ND		
n-Octacosane (S)	%	90	91	.7	
o-Terphenyl (S)	%	96	93	4	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: OEXT/2513 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3546 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 254571004, 254571005, 254571006, 254571007, 254571008, 254571009, 254571010, 254571011, 254571012, 254571013, 254571014

METHOD BLANK: 36937 Matrix: Solid
Associated Lab Samples: 254571004, 254571005, 254571006, 254571007, 254571008, 254571009, 254571010, 254571011, 254571012, 254571013, 254571014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range	mg/kg	ND	20.0	08/20/10 17:54	
Motor Oil Range	mg/kg	ND	80.0	08/20/10 17:54	
n-Octacosane (S)	%	106	50-150	08/20/10 17:54	
o-Terphenyl (S)	%	106	50-150	08/20/10 17:54	

LABORATORY CONTROL SAMPLE: 36938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range	mg/kg	500	460	92	56-124	
Motor Oil Range	mg/kg	500	478	96	50-150	
n-Octacosane (S)	%			100	50-150	
o-Terphenyl (S)	%			118	50-150	

SAMPLE DUPLICATE: 36939

Parameter	Units	254571004 Result	Dup Result	RPD	Qualifiers
Diesel Range	mg/kg	94.9	163	32	
Motor Oil Range	mg/kg	140	121	36	
n-Octacosane (S)	%	92	94	6	
o-Terphenyl (S)	%	97	101	8	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: OEXT/2514 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3510 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 254571015, 254571016, 254571017

METHOD BLANK: 36974 Matrix: Water
Associated Lab Samples: 254571015, 254571016, 254571017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range	ug/L	ND	80.0	08/23/10 08:45	
Motor Oil Range	ug/L	ND	400	08/23/10 08:45	
n-Octacosane (S)	%	87	50-150	08/23/10 08:45	
o-Terphenyl (S)	%	87	50-150	08/23/10 08:45	

LABORATORY CONTROL SAMPLE & LCSD: 36975 36976

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range	ug/L	5000	4570	4420	91	88	51-147	3	30	
Motor Oil Range	ug/L	5000	4710	4690	94	94	20-160	.5	30	
n-Octacosane (S)	%				108	104	50-150			
o-Terphenyl (S)	%				124	118	50-150			

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: GCV/1772 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 254571001, 254571002

METHOD BLANK: 36639 Matrix: Solid
Associated Lab Samples: 254571001, 254571002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/18/10 12:14	
4-Bromofluorobenzene (S)	%	90	50-150	08/18/10 12:14	
a,a,a-Trifluorotoluene (S)	%	100	50-150	08/18/10 12:14	

LABORATORY CONTROL SAMPLE: 36640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	12.5	13.6	108	54-156	
4-Bromofluorobenzene (S)	%			99	50-150	
a,a,a-Trifluorotoluene (S)	%			106	50-150	

SAMPLE DUPLICATE: 37303

Parameter	Units	254571002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	4.4J		
4-Bromofluorobenzene (S)	%	99	99	.9	
a,a,a-Trifluorotoluene (S)	%	97	100	3	

SAMPLE DUPLICATE: 37304

Parameter	Units	254634001 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	16.5	14.5	13	
4-Bromofluorobenzene (S)	%	113	106	6	
a,a,a-Trifluorotoluene (S)	%	106	100	6	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: GCV/1774 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 254571003, 254571004, 254571005, 254571007, 254571008, 254571009, 254571010, 254571011, 254571012, 254571013, 254571014

METHOD BLANK: 36759 Matrix: Solid
Associated Lab Samples: 254571003, 254571004, 254571005, 254571007, 254571008, 254571009, 254571010, 254571011, 254571012, 254571013, 254571014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/19/10 11:01	
4-Bromofluorobenzene (S)	%	97	50-150	08/19/10 11:01	
a,a,a-Trifluorotoluene (S)	%	100	50-150	08/19/10 11:01	

LABORATORY CONTROL SAMPLE: 36760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	12.5	11.8	95	54-156	
4-Bromofluorobenzene (S)	%			89	50-150	
a,a,a-Trifluorotoluene (S)	%			94	50-150	

SAMPLE DUPLICATE: 37252

Parameter	Units	254571005 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	7.2	12.1	31	
4-Bromofluorobenzene (S)	%	98	113	15	
a,a,a-Trifluorotoluene (S)	%	112	125	11	

SAMPLE DUPLICATE: 37253

Parameter	Units	254586002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	1.1J		
4-Bromofluorobenzene (S)	%	101	98	4	
a,a,a-Trifluorotoluene (S)	%	112	110	1	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: GCV/1782 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 254571006

METHOD BLANK: 37130 Matrix: Solid
Associated Lab Samples: 254571006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/21/10 00:09	
4-Bromofluorobenzene (S)	%	98	50-150	08/21/10 00:09	
a,a,a-Trifluorotoluene (S)	%	103	50-150	08/21/10 00:09	

LABORATORY CONTROL SAMPLE: 37131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	12.5	13.6	109	54-156	
4-Bromofluorobenzene (S)	%			66	50-150	
a,a,a-Trifluorotoluene (S)	%			71	50-150	

SAMPLE DUPLICATE: 37332

Parameter	Units	254574001 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	12.0	12.1	.1	
4-Bromofluorobenzene (S)	%	101	100	1	
a,a,a-Trifluorotoluene (S)	%	112	104	8	

SAMPLE DUPLICATE: 37333

Parameter	Units	254574007 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	25.6	39.1	42	
4-Bromofluorobenzene (S)	%	114	114	.2	
a,a,a-Trifluorotoluene (S)	%	117	121	3	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: GCV/1778 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx GCV Water
Associated Lab Samples: 254571015, 254571016, 254571017

METHOD BLANK: 36968 Matrix: Water
Associated Lab Samples: 254571015, 254571016, 254571017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	50.0	08/20/10 13:04	
4-Bromofluorobenzene (S)	%	90	50-150	08/20/10 13:04	
a,a,a-Trifluorotoluene (S)	%	93	50-150	08/20/10 13:04	

LABORATORY CONTROL SAMPLE: 36969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	250	265	106	50-163	
4-Bromofluorobenzene (S)	%			99	50-150	
a,a,a-Trifluorotoluene (S)	%			97	50-150	

SAMPLE DUPLICATE: 37334

Parameter	Units	254547003 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	18.5J		
4-Bromofluorobenzene (S)	%	103	101	2	
a,a,a-Trifluorotoluene (S)	%	112	110	2	

SAMPLE DUPLICATE: 37335

Parameter	Units	254552002 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	ug/L	226	131	53	R1
4-Bromofluorobenzene (S)	%	99	69	35	
a,a,a-Trifluorotoluene (S)	%	100	57	55	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: OEXT/2502 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 254571006, 254571010

METHOD BLANK: 36747 Matrix: Solid
Associated Lab Samples: 254571006, 254571010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	6.7	08/19/10 16:22	
Acenaphthylene	ug/kg	ND	6.7	08/19/10 16:22	
Anthracene	ug/kg	ND	6.7	08/19/10 16:22	
Benzo(a)anthracene	ug/kg	ND	6.7	08/19/10 16:22	
Benzo(a)pyrene	ug/kg	ND	6.7	08/19/10 16:22	
Benzo(b)fluoranthene	ug/kg	ND	6.7	08/19/10 16:22	
Benzo(g,h,i)perylene	ug/kg	ND	6.7	08/19/10 16:22	
Benzo(k)fluoranthene	ug/kg	ND	6.7	08/19/10 16:22	
Chrysene	ug/kg	ND	6.7	08/19/10 16:22	
Dibenz(a,h)anthracene	ug/kg	ND	6.7	08/19/10 16:22	
Fluoranthene	ug/kg	ND	6.7	08/19/10 16:22	
Fluorene	ug/kg	ND	6.7	08/19/10 16:22	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	6.7	08/19/10 16:22	
Naphthalene	ug/kg	ND	6.7	08/19/10 16:22	
Phenanthrene	ug/kg	ND	6.7	08/19/10 16:22	
Pyrene	ug/kg	ND	6.7	08/19/10 16:22	
2-Fluorobiphenyl (S)	%	55	55-136	08/19/10 16:22	
Terphenyl-d14 (S)	%	76	60-144	08/19/10 16:22	

LABORATORY CONTROL SAMPLE: 36748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	133	85.2	64	44-138	
Acenaphthylene	ug/kg	133	78.0	59	43-140	
Anthracene	ug/kg	133	92.7	70	58-138	
Benzo(a)anthracene	ug/kg	133	102	77	50-154	
Benzo(a)pyrene	ug/kg	133	107	80	47-154	
Benzo(b)fluoranthene	ug/kg	133	105	79	43-164	
Benzo(g,h,i)perylene	ug/kg	133	101	75	54-153	
Benzo(k)fluoranthene	ug/kg	133	114	86	61-145	
Chrysene	ug/kg	133	98.4	74	59-141	
Dibenz(a,h)anthracene	ug/kg	133	107	80	54-161	
Fluoranthene	ug/kg	133	103	77	43-160	
Fluorene	ug/kg	133	88.8	67	41-149	
Indeno(1,2,3-cd)pyrene	ug/kg	133	106	79	48-158	
Naphthalene	ug/kg	133	65.1	49	44-131	
Phenanthrene	ug/kg	133	88.7	67	46-144	
Pyrene	ug/kg	133	103	77	57-142	
2-Fluorobiphenyl (S)	%			58	55-136	
Terphenyl-d14 (S)	%			76	60-144	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 36841 36842

Parameter	Units	254571006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acenaphthene	ug/kg	104	150	151	159	156	37	35	-1-182	2	
Acenaphthylene	ug/kg	22.2	150	151	97.7	109	50	58	31-156	11	
Anthracene	ug/kg	37.0	150	151	122	132	56	63	20-171	9	
Benzo(a)anthracene	ug/kg	ND	150	151	103	120	64	75	24-181	15	
Benzo(a)pyrene	ug/kg	ND	150	151	102	122	66	79	26-174	18	
Benzo(b)fluoranthene	ug/kg	ND	150	151	100	117	66	76	33-173	15	
Benzo(g,h,i)perylene	ug/kg	ND	150	151	93.0	113	60	73	15-178	20	
Benzo(k)fluoranthene	ug/kg	ND	150	151	99.9	124	66	82	20-167	22	
Chrysene	ug/kg	ND	150	151	95.7	112	60	70	15-174	16	
Dibenz(a,h)anthracene	ug/kg	ND	150	151	93.4	118	62	78	26-189	23	
Fluoranthene	ug/kg	14.1	150	151	118	131	69	78	21-104	11	
Fluorene	ug/kg	256	150	151	203	264	-35	5	25-173	26	M1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	150	151	94.4	117	63	77	19-182	22	
Naphthalene	ug/kg	1800	150	151	1410	1380	-265	-279	-3-165	2	M1
Phenanthrene	ug/kg	255	150	151	246	234	-6	-14	25-163	5	M1
Pyrene	ug/kg	57.5	150	151	137	144	53	58	30-165	5	
2-Fluorobiphenyl (S)	%						60	63	55-136		
Terphenyl-d14 (S)	%						71	73	60-144		

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2871
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 254571016, 254571017

METHOD BLANK: 36733
Matrix: Water
Associated Lab Samples: 254571016, 254571017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/18/10 15:02	
Ethylbenzene	ug/L	ND	1.0	08/18/10 15:02	
Toluene	ug/L	ND	1.0	08/18/10 15:02	
Xylene (Total)	ug/L	ND	3.0	08/18/10 15:02	
1,2-Dichloroethane-d4 (S)	%	92	80-124	08/18/10 15:02	
4-Bromofluorobenzene (S)	%	93	80-120	08/18/10 15:02	
Dibromofluoromethane (S)	%	90	80-122	08/18/10 15:02	
Toluene-d8 (S)	%	94	80-123	08/18/10 15:02	

LABORATORY CONTROL SAMPLE: 36734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.4	82	76-127	
Ethylbenzene	ug/L	20	16.5	83	72-125	
Toluene	ug/L	20	16.0	80	69-125	
Xylene (Total)	ug/L	60	50.5	84	74-124	
1,2-Dichloroethane-d4 (S)	%			93	80-124	
4-Bromofluorobenzene (S)	%			93	80-120	
Dibromofluoromethane (S)	%			95	80-122	
Toluene-d8 (S)	%			92	80-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 37005 37006

Parameter	Units	254529018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	26400	20	20	2540	2590	-119000	-119000	75-124	2	E,M1
Ethylbenzene	ug/L	1210	20	20	844	742	-1830	-2340	76-124	13	E,M1
Toluene	ug/L	4800	20	20	2050	1810	-13800	-15000	75-124	12	E,M1
Xylene (Total)	ug/L	3800	60	60	2480	2270	-2200	-2560	76-123	9	E,M1
1,2-Dichloroethane-d4 (S)	%						70	40	80-124		S2
4-Bromofluorobenzene (S)	%						94	93	80-120		
Dibromofluoromethane (S)	%						104	100	80-122		
Toluene-d8 (S)	%						102	97	80-123		

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2885
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 254571015

METHOD BLANK: 37007 Matrix: Water
Associated Lab Samples: 254571015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/20/10 08:54	
Ethylbenzene	ug/L	ND	1.0	08/20/10 08:54	
Toluene	ug/L	ND	1.0	08/20/10 08:54	
Xylene (Total)	ug/L	ND	3.0	08/20/10 08:54	
1,2-Dichloroethane-d4 (S)	%	112	80-124	08/20/10 08:54	
4-Bromofluorobenzene (S)	%	100	80-120	08/20/10 08:54	
Dibromofluoromethane (S)	%	111	80-122	08/20/10 08:54	
Toluene-d8 (S)	%	96	80-123	08/20/10 08:54	

LABORATORY CONTROL SAMPLE: 37008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.8	84	76-127	
Ethylbenzene	ug/L	20	15.6	78	72-125	
Toluene	ug/L	20	14.9	74	69-125	
Xylene (Total)	ug/L	60	49.9	83	74-124	
1,2-Dichloroethane-d4 (S)	%			116	80-124	
4-Bromofluorobenzene (S)	%			110	80-120	
Dibromofluoromethane (S)	%			112	80-122	
Toluene-d8 (S)	%			102	80-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 37250 37251

Parameter	Units	254629001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	20	20	19.3	21.0	93	102	75-124	9	
Ethylbenzene	ug/L	ND	20	20	21.7	21.4	106	104	76-124	1	
Toluene	ug/L	ND	20	20	18.4	20.5	92	102	75-124	11	
Xylene (Total)	ug/L	ND	60	60	68.6	66.5	114	111	76-123	3	
1,2-Dichloroethane-d4 (S)	%						94	100	80-124		
4-Bromofluorobenzene (S)	%						110	110	80-120		
Dibromofluoromethane (S)	%						99	103	80-122		
Toluene-d8 (S)	%						105	107	80-123		

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2883 Analysis Method: EPA 8260
QC Batch Method: EPA 5035A/5030B Analysis Description: 8260 MSV Medium LL Soil
Associated Lab Samples: 254571004

METHOD BLANK: 36943 Matrix: Solid
Associated Lab Samples: 254571004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	20.0	08/20/10 18:00	
Ethylbenzene	ug/kg	ND	25.0	08/20/10 18:00	
Toluene	ug/kg	ND	25.0	08/20/10 18:00	
Xylene (Total)	ug/kg	ND	75.0	08/20/10 18:00	
1,2-Dichloroethane-d4 (S)	%	92	60-140	08/20/10 18:00	
4-Bromofluorobenzene (S)	%	91	60-140	08/20/10 18:00	
Dibromofluoromethane (S)	%	88	60-140	08/20/10 18:00	
Toluene-d8 (S)	%	90	60-140	08/20/10 18:00	

LABORATORY CONTROL SAMPLE & LCSD: 36944 36945

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	1000	901	891	90	89	78-123	1	30	
Ethylbenzene	ug/kg	1000	884	876	88	88	74-120	.9	30	
Toluene	ug/kg	1000	846	836	85	84	70-121	1	30	
Xylene (Total)	ug/kg	3000	2660	2630	89	88	76-120	1	30	
1,2-Dichloroethane-d4 (S)	%				92	91	60-140			
4-Bromofluorobenzene (S)	%				93	95	60-140			
Dibromofluoromethane (S)	%				93	92	60-140			
Toluene-d8 (S)	%				91	91	60-140			

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2900 Analysis Method: EPA 8260
QC Batch Method: EPA 5035A/5030B Analysis Description: 8260 MSV Medium LL Soil
Associated Lab Samples: 254571006, 254571009, 254571010

METHOD BLANK: 37338 Matrix: Solid
Associated Lab Samples: 254571006, 254571009, 254571010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	20.0	08/24/10 08:44	
Ethylbenzene	ug/kg	ND	25.0	08/24/10 08:44	
Toluene	ug/kg	ND	25.0	08/24/10 08:44	
Xylene (Total)	ug/kg	ND	75.0	08/24/10 08:44	
1,2-Dichloroethane-d4 (S)	%	92	60-140	08/24/10 08:44	
4-Bromofluorobenzene (S)	%	92	60-140	08/24/10 08:44	
Dibromofluoromethane (S)	%	88	60-140	08/24/10 08:44	
Toluene-d8 (S)	%	88	60-140	08/24/10 08:44	

LABORATORY CONTROL SAMPLE: 37339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	955	95	78-123	
Ethylbenzene	ug/kg	1000	880	88	74-120	
Toluene	ug/kg	1000	835	84	70-121	
Xylene (Total)	ug/kg	3000	2640	88	76-120	
1,2-Dichloroethane-d4 (S)	%			93	60-140	
4-Bromofluorobenzene (S)	%			96	60-140	
Dibromofluoromethane (S)	%			95	60-140	
Toluene-d8 (S)	%			88	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 37340 37341

Parameter	Units	254632001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/kg	ND	1250	1250	1280	1250	102	99	79-127	2	
Ethylbenzene	ug/kg	ND	1250	1250	1180	1150	94	92	77-126	2	
Toluene	ug/kg	ND	1250	1250	1120	1090	88	86	77-124	3	
Xylene (Total)	ug/kg	ND	3750	3750	3530	3480	93	92	77-127	2	
1,2-Dichloroethane-d4 (S)	%						93	93	60-140		
4-Bromofluorobenzene (S)	%						97	96	60-140		
Dibromofluoromethane (S)	%						94	95	60-140		
Toluene-d8 (S)	%						89	88	60-140		

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2869 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 254571001, 254571002, 254571003

METHOD BLANK: 36700 Matrix: Solid
Associated Lab Samples: 254571001, 254571002, 254571003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	3.0	08/18/10 09:00	
Ethylbenzene	ug/kg	ND	3.0	08/18/10 09:00	
Toluene	ug/kg	ND	3.0	08/18/10 09:00	
Xylene (Total)	ug/kg	ND	9.0	08/18/10 09:00	
1,2-Dichloroethane-d4 (S)	%	95	80-143	08/18/10 09:00	
4-Bromofluorobenzene (S)	%	87	72-122	08/18/10 09:00	
Dibromofluoromethane (S)	%	105	80-136	08/18/10 09:00	
Toluene-d8 (S)	%	85	80-120	08/18/10 09:00	

LABORATORY CONTROL SAMPLE & LCSD: 36701 36702

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	50	53.0	50.9	106	102	75-133	4	30	
Ethylbenzene	ug/kg	50	47.7	45.0	95	90	68-131	6	30	
Toluene	ug/kg	50	47.2	43.1	94	86	73-124	9	30	
Xylene (Total)	ug/kg	150	146	140	97	93	68-130	4	30	
1,2-Dichloroethane-d4 (S)	%				87	86	80-143			
4-Bromofluorobenzene (S)	%				97	96	72-122			
Dibromofluoromethane (S)	%				100	103	80-136			
Toluene-d8 (S)	%				91	87	80-120			

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2870 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 254571005, 254571010, 254571012, 254571013, 254571014

METHOD BLANK: 36703 Matrix: Solid
Associated Lab Samples: 254571005, 254571010, 254571012, 254571013, 254571014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	3.0	08/18/10 13:07	
Ethylbenzene	ug/kg	ND	3.0	08/18/10 13:07	
Toluene	ug/kg	ND	3.0	08/18/10 13:07	
Xylene (Total)	ug/kg	ND	9.0	08/18/10 13:07	
1,2-Dichloroethane-d4 (S)	%	96	80-143	08/18/10 13:07	
4-Bromofluorobenzene (S)	%	91	72-122	08/18/10 13:07	
Dibromofluoromethane (S)	%	99	80-136	08/18/10 13:07	
Toluene-d8 (S)	%	88	80-120	08/18/10 13:07	

LABORATORY CONTROL SAMPLE & LCSD: 36704 36705

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	50	50.1	49.3	100	99	75-133	2	30	
Ethylbenzene	ug/kg	50	43.2	43.2	86	86	68-131	.1	30	
Toluene	ug/kg	50	45.8	46.0	92	92	73-124	.5	30	
Xylene (Total)	ug/kg	150	137	136	92	90	68-130	1	30	
1,2-Dichloroethane-d4 (S)	%				86	83	80-143			
4-Bromofluorobenzene (S)	%				96	98	72-122			
Dibromofluoromethane (S)	%				100	95	80-136			
Toluene-d8 (S)	%				87	89	80-120			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2879 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 254571008, 254571011

METHOD BLANK: 36877 Matrix: Solid
Associated Lab Samples: 254571008, 254571011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	3.0	08/19/10 13:23	
Ethylbenzene	ug/kg	ND	3.0	08/19/10 13:23	
Toluene	ug/kg	ND	3.0	08/19/10 13:23	
Xylene (Total)	ug/kg	ND	9.0	08/19/10 13:23	
1,2-Dichloroethane-d4 (S)	%	88	80-143	08/19/10 13:23	
4-Bromofluorobenzene (S)	%	90	72-122	08/19/10 13:23	
Dibromofluoromethane (S)	%	99	80-136	08/19/10 13:23	
Toluene-d8 (S)	%	86	80-120	08/19/10 13:23	

LABORATORY CONTROL SAMPLE & LCSD: 36878 36879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	50	58.4	55.9	117	112	75-133	4	30	
Ethylbenzene	ug/kg	50	50.7	48.6	101	97	68-131	4	30	
Toluene	ug/kg	50	52.7	49.8	105	100	73-124	6	30	
Xylene (Total)	ug/kg	150	157	151	105	101	68-130	4	30	
1,2-Dichloroethane-d4 (S)	%				87	85	80-143			
4-Bromofluorobenzene (S)	%				94	97	72-122			
Dibromofluoromethane (S)	%				99	97	80-136			
Toluene-d8 (S)	%				91	89	80-120			

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: MSV/2884
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 254571007

METHOD BLANK: 36984
Matrix: Solid
Associated Lab Samples: 254571007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	3.0	08/20/10 07:52	
Ethylbenzene	ug/kg	ND	3.0	08/20/10 07:52	
Toluene	ug/kg	ND	3.0	08/20/10 07:52	
Xylene (Total)	ug/kg	ND	9.0	08/20/10 07:52	
1,2-Dichloroethane-d4 (S)	%	86	80-143	08/20/10 07:52	
4-Bromofluorobenzene (S)	%	87	72-122	08/20/10 07:52	
Dibromofluoromethane (S)	%	101	80-136	08/20/10 07:52	
Toluene-d8 (S)	%	85	80-120	08/20/10 07:52	

LABORATORY CONTROL SAMPLE & LCSD: 36985 36986

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	50	55.0	55.1	110	110	75-133	.3	30	
Ethylbenzene	ug/kg	50	47.1	47.3	94	95	68-131	.5	30	
Toluene	ug/kg	50	45.1	47.5	90	95	73-124	5	30	
Xylene (Total)	ug/kg	150	144	145	96	96	68-130	.6	30	
1,2-Dichloroethane-d4 (S)	%				86	85	80-143			
4-Bromofluorobenzene (S)	%				96	96	72-122			
Dibromofluoromethane (S)	%				100	99	80-136			
Toluene-d8 (S)	%				83	87	80-120			

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: PMST/1303 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 254571001, 254571002, 254571003, 254571004, 254571005, 254571006, 254571007, 254571008, 254571009, 254571010

SAMPLE DUPLICATE: 36821

Parameter	Units	254567001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.3	8.2	.7	

SAMPLE DUPLICATE: 36822

Parameter	Units	254571002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	33.8	33.2	2	

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QUALITY CONTROL DATA

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

QC Batch: PMST/1305 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 254571011, 254571012, 254571013, 254571014

SAMPLE DUPLICATE: 36941

Parameter	Units	254571011 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.9	15.1	1	

SAMPLE DUPLICATE: 36942

Parameter	Units	254569002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	16.2	16.3	.6	

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QUALIFIERS

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-S	Pace Analytical Services - Seattle

BATCH QUALIFIERS

Batch: GCSV/1809

[1]	A sample duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1n	Sample was originally run at a dilution. Due to limited sample volume sample could not be re-run at a 1x.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
254571001	B1@6ft	EPA 3546	OEXT/2501	NWTPH-Dx	GCSV/1801
254571002	B3@7 1/2ft	EPA 3546	OEXT/2501	NWTPH-Dx	GCSV/1801
254571003	B4@3 1/2ft	EPA 3546	OEXT/2501	NWTPH-Dx	GCSV/1801
254571004	B5@3ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571005	B6@5ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571006	B7@8ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571007	B8@6ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571008	B9@7ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571009	B10@5ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571010	B11@4 1/2ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571011	B12@6ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571012	B13@3 1/2ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571013	B14@5ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571014	B15@4 1/2ft	EPA 3546	OEXT/2513	NWTPH-Dx	GCSV/1806
254571015	B3	EPA 3510	OEXT/2514	NWTPH-Dx	GCSV/1809
254571016	B7	EPA 3510	OEXT/2514	NWTPH-Dx	GCSV/1809
254571017	B12	EPA 3510	OEXT/2514	NWTPH-Dx	GCSV/1809
254571001	B1@6ft	NWTPH-Gx	GCV/1772	NWTPH-Gx	GCV/1785
254571002	B3@7 1/2ft	NWTPH-Gx	GCV/1772	NWTPH-Gx	GCV/1785
254571003	B4@3 1/2ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571004	B5@3ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571005	B6@5ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571006	B7@8ft	NWTPH-Gx	GCV/1782	NWTPH-Gx	GCV/1792
254571007	B8@6ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571008	B9@7ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571009	B10@5ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571010	B11@4 1/2ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571011	B12@6ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571012	B13@3 1/2ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571013	B14@5ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571014	B15@4 1/2ft	NWTPH-Gx	GCV/1774	NWTPH-Gx	GCV/1783
254571015	B3	NWTPH-Gx	GCV/1778		
254571016	B7	NWTPH-Gx	GCV/1778		
254571017	B12	NWTPH-Gx	GCV/1778		
254571006	B7@8ft	EPA 3546	OEXT/2502	EPA 8270 by SIM	MSSV/1364
254571010	B11@4 1/2ft	EPA 3546	OEXT/2502	EPA 8270 by SIM	MSSV/1364
254571015	B3	EPA 5030B/8260	MSV/2885		
254571016	B7	EPA 5030B/8260	MSV/2871		
254571017	B12	EPA 5030B/8260	MSV/2871		
254571004	B5@3ft	EPA 5035A/5030B	MSV/2883	EPA 8260	MSV/2908
254571006	B7@8ft	EPA 5035A/5030B	MSV/2900	EPA 8260	MSV/2907
254571009	B10@5ft	EPA 5035A/5030B	MSV/2900	EPA 8260	MSV/2907
254571010	B11@4 1/2ft	EPA 5035A/5030B	MSV/2900	EPA 8260	MSV/2907

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Ellensburg Loves 81109090.2
Pace Project No.: 254571

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
254571001	B1@6ft	EPA 8260	MSV/2869		
254571002	B3@7 1/2ft	EPA 8260	MSV/2869		
254571003	B4@3 1/2ft	EPA 8260	MSV/2869		
254571005	B6@5ft	EPA 8260	MSV/2870		
254571007	B8@6ft	EPA 8260	MSV/2884		
254571008	B9@7ft	EPA 8260	MSV/2879		
254571010	B11@4 1/2ft	EPA 8260	MSV/2870		
254571011	B12@6ft	EPA 8260	MSV/2879		
254571012	B13@3 1/2ft	EPA 8260	MSV/2870		
254571013	B14@5ft	EPA 8260	MSV/2870		
254571014	B15@4 1/2ft	EPA 8260	MSV/2870		
254571001	B1@6ft	ASTM D2974-87	PMST/1303		
254571002	B3@7 1/2ft	ASTM D2974-87	PMST/1303		
254571003	B4@3 1/2ft	ASTM D2974-87	PMST/1303		
254571004	B5@3ft	ASTM D2974-87	PMST/1303		
254571005	B6@5ft	ASTM D2974-87	PMST/1303		
254571006	B7@8ft	ASTM D2974-87	PMST/1303		
254571007	B8@6ft	ASTM D2974-87	PMST/1303		
254571008	B9@7ft	ASTM D2974-87	PMST/1303		
254571009	B10@5ft	ASTM D2974-87	PMST/1303		
254571010	B11@4 1/2ft	ASTM D2974-87	PMST/1303		
254571011	B12@6ft	ASTM D2974-87	PMST/1305		
254571012	B13@3 1/2ft	ASTM D2974-87	PMST/1305		
254571013	B14@5ft	ASTM D2974-87	PMST/1305		
254571014	B15@4 1/2ft	ASTM D2974-87	PMST/1305		