Transmittal

December 21, 2018

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Washington State Department of Ecology
1250 West Alder Street
Union Gap, Washington 98903

Ref. No.: 11145928

From: Matthew Davis

GHD Tel: 253 302 8281

Subject: Site Investigation Summary Report

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1	Site Investigation Summary Report		

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Site Investigation Summary Report

Former Unocal Bulk Plant 0853
Phillips 66 Site 0979
6 North 5th Street
Wenatchee, Washington
Facility Site ID: 346 / VCP Site ID: CE0466

Prepared For:

Phillips 66 Company

GHD | 732 Broadway Suite 301 Tacoma Washington 98402

11145928| Report No. 3 | December 21, 2018

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1. Introduction

GHD is submitting this *Site Investigation Summary Report* for the former Unocal bulk plant facility on behalf of Phillips 66 Company (P66). The scope of work was completed in accordance with the *Revised Site Assessment Work Plan* dated February 6, 2018 (Work Plan) for the property located at 6 North 5th Street, Wenatchee, Chelan County, Washington (Property, Figure 1). The purpose of the site assessment was to collect additional information necessary to complete the remedial investigation in accordance with Washington Administrative Code (WAC) 173-340-350. This report summarizes the findings of the investigation activities that were completed on April 24 and 25, 2018.

2. Site Description and Background

The Property is an active bulk petroleum terminal. The facility layout is depicted on Figure 2. The Property is bounded to the west and north by business offices, to the east by railroad tracks, and to the south by a business park. For the purpose of this document, the extent of soil and groundwater impacts from the historical release will be referred to as the “Site".

The Site is located in Chelan County (Chelan County Tax Parcel Number 18256). Surface elevation of the Site is approximately 650 feet above mean sea level (amsl).

Site Geology and Hydrogeology

The Site is located within the eastern foothills of the Cascade Mountain Range and Upper Columbia River Basin at the confluence of the Wenatchee and Columbia rivers. The Columbia River, located approximately 950 feet west of the Site, is the primary local drainage.

The area surrounding the Site consists of assemblages of metamorphic rocks, tertiary sedimentary bedrock, Miocene basalt flows, and capped with Pliocene and Holocene alluvium, glacial, and flood deposits.

Based on historical environmental investigations, soils beneath the Site are described as fill material within areas of previous remedial excavations, and alluvium material consisting of sand with variable amounts of silt. Alluvium deposits are underlain by dense gravel and further tertiary sandstone bedrock observed as shallow at 20 to 25 feet below ground surface (bgs).

Depth to groundwater has varied from approximately 18 to 30 feet bgs in Site monitoring wells. The groundwater flow direction has historically been variable with the most common flow direction being to the northeast. Regional groundwater flow is to the east-northeast towards the Columbia River. Although monitoring indicates variable groundwater flow direction, contaminant concentrations in groundwater indicate contaminant migration is primarily influenced by regional groundwater flow to the east-northeast.

3. Summary of Site Investigation Activities

GHD advanced seven borings (B-1 through B-7) to further delineate hydrocarbon impacts and evaluate previously Underground Utility Location

GHD notified the Washington State One Call Utility Notification Service (one call) more than 48 hours prior to field activities to clear the soil boring locations with public utility companies. GHD also contracted Underground Locating Services (ULS) to conduct a private utility survey to further identify potential subsurface utilities and underground obstructions in the vicinity of the proposed boring locations. Additionally, the soil boring locations were cleared to 5 feet bgs using an air knife and vacuum truck to ensure no unidentified underground utilities or obstructions were located beneath the ground surface. Given the presence of an unidentified electrical line in the proposed boring F location and the proximity to the property boundary, the soil boring was not advanced.

3.1 Soil Borings

On April 24 and April 25, 2018, Holt Services, Inc. of Edgewood, Washington, advanced seven soil borings (B-1 through B-7) under the supervision of GHD field personnel. Borings were advanced to depths ranging from 4 to 26 feet bgs. The soil boring locations are presented on Figure 2.

Soil borings were advanced from 0 to 5 feet bgs via vacuum truck/air knife, and 5 feet to termination depth using a direct push drill rig. The direct push rods were fitted with acetate liners to collect a continuous soil core to the total depth of the boring. Soil encountered in each boring during drilling activities were logged in accordance with American Society for Testing and Materials' (ASTM) Unified Soil Classification System (USCS) standard D2488 by an experienced geologist. Soil samples were collected every 2.5 feet from the soil cores and screened for volatile organic compounds (VOCs) using a photoionization detector (PID) as well as visual observation. Water was not encountered in any of the borings. Boring logs with lithologic descriptions and PID readings are provided in Appendix A.

3.2 Soil Sampling

Soil samples were collected for laboratory analysis based on field screening at the bottom of each borehole. With the exception of location B-3 at approximately 25 feet bgs, field indications of soil impacts were not observed. Field indication of soil impacts in B-3 consisted of elevated PID readings (325 parts per million), petroleum odor, and staining. Soil samples were immediately placed on ice and shipped to Pace Analytical Services, LLC in Minneapolis, Minnesota under chain of custody. A total of 13 soil samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by NWTPH-Gx
- TPH as diesel (TPHd) and TPH in the oil range (TPHo) by NWTPH-Dx
- Benzene, toluene, ethylbenzene and xylenes by EPA Method 8260

3.3 Deviations from Work Plan

Due to conditions encountered in the field, the following deviations from the Work Plan were necessary during implementation of this investigation:

- Soil boring B-4 (proposed Boring D) – advanced to 3.25 feet bgs instead of 25 feet bgs due to refusal (concrete slab). No further advancement necessary in this location, as a sample was collected at the previously identified impact.
- Soil borings B-6 and B-7 (proposed borings G and H, respectively) – no groundwater samples were collected from temporary wells due to lack of water encountered at depth. Bedrock was encountered at approximately 23 to 25 feet bgs and no groundwater was present in either location.
- Proposed Boring F – an electrical line was identified at this location. The alternate location for this boring is off-property and therefore could not be advanced.

4. Site Investigation Results

4.1 Soil Analytical Results

A total of 13 soil samples were submitted for laboratory analyses as noted in Section 3.3. None of the soil samples analyzed contained concentrations above the Washington State Department of Ecology's (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels.

The results of the investigation indicate that soil impacts previously identified near the dry well excavation, loading rack excavation, and in the vicinity of MW-1 have naturally degraded since their discovery prior to 1991. Additionally, soil analytical results and field screening of soils in soil boring B-5, collected in the inferred location of the 1997 report of sheen in soil immediately south of the AST farm, did not indicate impacted soil. Soil analytical results are presented on Table 1. The laboratory analytical report is presented in Appendix B.

4.2 Waste Disposal

Investigation derived waste including soil cuttings and decontamination water was placed in 55-gallon steel drums and labeled as pending analysis. One 55-gallon drum of soil cuttings was transported to Waste Management on November 6, 2018.

5. Conclusions and Recommendations

A total of seven borings were advance in an attempt to close the remaining data gaps to complete the remedial investigation. Soil impacts greater than the MTCA Method A cleanup levels for petroleum constituents were not identified in any of the 13 soil samples collected from borings B-1 through B-7. Based on the results of the site investigation, historical soil impacts have either been removed by excavation performed by others, or appear to have naturally degraded in the past 21 years or greater. Therefore, additional on-site soil investigation is not warranted. A current soil conditions map is provided as Figure 2 for reference.

The proposed monitoring well downgradient of well MW-15 was unable to be installed due to the presence of subsurface utilities. Monitoring well MW-15 did not contain groundwater impacts during the last sampling event in 4th quarter 2017. GHD recommends continued monitoring of well MW-15 for four consecutive quarters to determine if groundwater impacts have attenuated. If impacts reoccur in the well, an off-property well, downgradient of MW-15 will be installed.

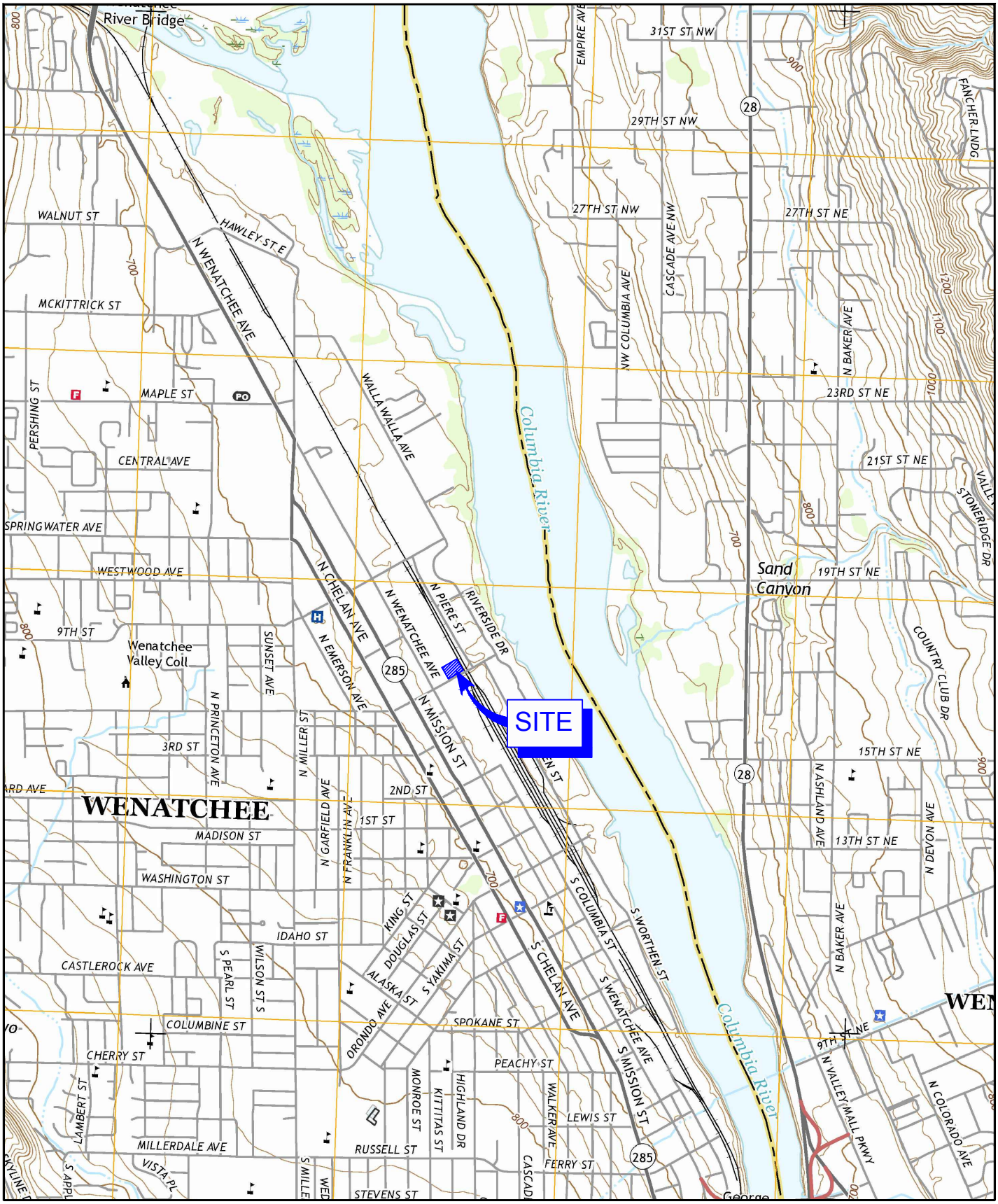
All of Which is Respectfully Submitted,

GHD

Matthew Davis, LG

Heather Gadwa, LG

Figures



Source: USGS QUADRANGLE MAP: WENATCHEE, WA. (2017).

0 1000 2000ft

PHILLIPS 66
6 N. 5TH STREET
WENATCHEE, WASHINGTON

11145928-RM00

Oct 9, 2018

SITE LOCATION MAP

FIGURE 1

CAD File: I:\Sonoma.Public\CAD\drawings\11140000s\11145928\11145928-REPORTS\11145928-RM00(003)GN\11145928-RM00(003)GN-SO001.DWG

LEGEND

- APPROXIMATE PROPERTY LINE
- MW-9 — MONITORING WELL LOCATION
- MW-1 — DECOMMISSIONED MONITORING WELL LOCATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION
- SOIL SAMPLE LOCATION (1989)
- SOIL SAMPLE LOCATION (1990)
- SOIL SAMPLE LOCATION (1997)
- SOIL SAMPLE LOCATION (2013)
- SOIL BORING LOCATION (2018)
- OVER EXCAVATED SAMPLE LOCATION
- APPROXIMATE EXTENT OF GROUNDWATER IMPACTS BASED ON HISTORICAL DATA
- INDICATES ALL CONCENTRATIONS WERE BELOW LABORATORY REPORTING LIMITS
- INDICATES AT LEAST ONE CONCENTRATION WAS DETECTED ABOVE THE LABORATORY REPORTING LIMITS, BUT BELOW THE MTCA METHOD A SCREENING LEVEL
- INDICATES AT LEAST ONE CONCENTRATION EXCEEDED MTCA METHOD A SCREENING LEVELS
- INDICATES SOIL SAMPLE HAS BEEN CONFIRMED. CONFIRMATION SOIL SAMPLE WAS BELOW LABORATORY REPORTING LIMITS.

Source: LEIDOS, FIGURE 1, SITE MAP WITH SOIL ANALYTICAL RESULTS, DATED 11/11/2013.

0 20 40ft

Coordinate System: WASHINGTON NORTH STATE PLANE NAD83 FEET

PHILLIPS 66
6 N. 5TH STREET
WENATCHEE, WASHINGTON

11145928-RM00
Dec 18, 2018

CURRENT SOIL CONDITIONS MAP

FIGURE 2

CAD File: I:\Sonoma.Public\CAD\drawings\11140000s\11145928\11145928-REPORTS\11145928-RM00(003)GN\11145928-RM00(003)GN-SO002.DWG

Tables

Table 1

Historical Soil Analytical Results
76 Products Facility No. 351385
6 North 5th Street
Wenatchee, Washington

Sample ID	Sample Location	Sample Depth	Date Sampled	TPH by 418.1	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	n-Hexane	Ethanol	Lead	PAHs	PCBs	HVOCs
	MTCA Method A Cleanup Levels:	**(feet)**		**—** *(mg/kg)*	**100/30** *(mg/kg)*	**2,000** *(mg/kg)*	**2,000** *(mg/kg)*	**0.03** *(mg/kg)*	**7** *(mg/kg)*	**6** *(mg/kg)*	**9** *(mg/kg)*	**0**	**NL**	**0**	**NL**	**NL**	**250**	**—** *(mg/kg)*	**—** *(mg/kg)*	**—** *(mg/kg)*
MW-1	MW-1	15	11/21/89	ND	—	—	—	0.031[a]	ND	ND	ND	--	--	--	--	--	—	—	—	—
MW-2	MW-2	24	11/21/89	72	—	—	—	ND	ND	ND	0.14	--	--	--	--	--	—	—	—	—
MW-3	MW-3	15	11/28/89	1.6	—	—	—	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
VP-4	VP-4	9	11/28/89	4.1	—	—	—	**0.038**	ND	ND	ND	--	--	--	--	--	—	—	—	ND
VP-5	VP-5	15	11/28/89	ND	—	—	—	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
MW-6	MW-6	20	11/29/89	1.6	—	—	—	ND	0.05	0.035	0.17	--	--	--	--	--	—	—	—	—
#1	truck unloading area	0.5	11/29/89	41,000	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
#2	truck unloading area	1.5	11/29/89	430	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
LD-1	loading platform	Surface	12/05/89	4,100	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
WH-2	beneath warehouse	Surface	12/05/89	3,000	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HB-1	beneath warehouse	1.5	07/24/90	—	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HB-2	beneath warehouse	2	07/24/90	140	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HB-2	beneath warehouse	4	07/24/90	80	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HB-3	beneath warehouse	1.5	07/24/90	—	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HB-4	beneath warehouse	7	07/24/90	13	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HB-5	HB-5	U	11/09/90	Slight sheen or no sheen noted in soil, sample was not collected for laboratory analysis.																
HB-6	HB-6	5	11/09/90	Heavy sheen noted in soil, sample was not collected for laboratory analysis.																
HB-7	HB-7	0.5-1	11/09/90	Moderate sheen noted in soil, sample was not collected for laboratory analysis.																
HB-8	HB-8	0.5-1	11/09/90	Moderate sheen noted in soil, sample was not collected for laboratory analysis.																
HB-9	HB-9	U	11/09/90	Heavy sheen noted in soil, sample was not collected for laboratory analysis.																
HB-10	HB-10	U	11/09/90	Heavy sheen noted in soil, sample was not collected for laboratory analysis.																
HB-11	HB-11	U	11/09/90	Heavy sheen noted in soil, sample was not collected for laboratory analysis.																
A-1	warehouse excavation	0.5	08/29/90	710	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
A-2	warehouse excavation	1.5	08/29/90	140	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-1		6.0	08/29/90	29,000	<50	**6,300**	—	—	—	—	—	--	--	--	--	--	—	—	—	ND
E-2		10.5	08/30/90	1,100	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-3		3.0	08/30/90	480	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-4		3.0	08/31/90	3,000	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-5	loading platform and barrel storage area excavation	4.0	08/31/90	29	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-6		6.0	08/31/90	22	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-8		2.0	09/04/90	26	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-9		6.0	09/06/90	17	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-10		18.0	09/07/90	16	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-11		4.0	09/12/90	26	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
E-12		7.0	09/13/90	23	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
A-3	warehouse excavation	1.0	09/13/90	87	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
A-4	warehouse excavation	1.0	09/13/90	85	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HO-1	heating oil UST excavation	3.0	09/06/90	30	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
HO2		4.0	09/06/90	11	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
DW-1		8.0	09/11/90	51	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
DW-2		15.0	09/11/90	23	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
DW-3	dry well excavation	19.0	09/11/90	170	—	—	—	—	—	—	—	--	--	--	--	--	—	—	—	—
DW-4		7.0	09/10/90	12,000	<200	**19,000**	—	—	—	—	—	--	--	--	--	--	—	—	—	—
DW-5		23.0	09/11/90	890	<5	890	—	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
DW-5 (D)		23.0	09/11/90	—	10	188	—	—	—	—	—	--	--	--	--	--	—	—	—	—
UL-1		3.5	09/06/90	38	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
UL-2		3.0	09/06/90	20,000	<500	**27,000**	—	<0.25	**13**	**20**	**140**	--	--	--	--	--	—	—	—	—
UL-3	truck uploading and loading area excavation	3.5	09/06/90	29	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
UL-4		4.0	09/06/90	47	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
UL-5		9.0	09/06/90	28	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
LR-1		3.5	09/07/90	18	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
LR-3	test pit TP-1	12.0	09/07/90	22	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
LR-4		19.0	09/07/90	10	—	—	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
LR-5		24.0	09/07/90	510	—	—	—	<0.025	<0.025	<0.025	0.29	--	--	--	--	--	—	—	—	—
MW-9	MW-9	9.5	11/05/90	36	<5	<5	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
		24-26	11/05/90	23	<5	<5	—	<0.025	0.031	<0.025	<0.025	--	--	--	--	--	—	—	—	—
		27-29	11/05/90	24	<5	<5	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
MW-10	MW-10	22.5-24.5	11/06/90	30	<5	<5	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
MW-11	MW-11	20-21	11/06/90	75	<5	<5	—	<0.025	0.030	0.032	0.23	--	--	--	--	--	—	—	—	—
		22-24	11/06/90	66	<5	<5	—	<0.025	<0.025	0.075	0.51	--	--	--	--	--	—	—	—	—
MW-12	MW-12	19.5	11/07/90	12	<5	<5	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
		22-24	11/07/90	19	<5	<5	—	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	—	—	—	—
MW-13	MW-13	27-30	11/07/90	26	<5	16	—	<0.025	<0.025	<0.025	0.099	--	--	--	--	--	—	—	—	—
MW-14	MW-14	24.5	04/01/91	13	<5	<5	—	—	—	—	—	--	--	--	--	--	—	—	—	—
MW-15	MW-15	24.5	04/02/91	14	<5	<5	—	—	—	—	—	--	--	--	--	--	—	—	—	—
MW-16	MW-16	24.5	04/02/91	6	<5	<5	—	—	—	—	—	--	--	--	--	--	—	—	—	—

Table 1

Historical Soil Analytical Results
76 Products Facility No. 351385
6 North 5th Street
Wenatchee, Washington

Sample ID	Sample Location	Sample Depth	Date Sampled	TPH by 418.1	TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	n-Hexane	Ethanol	Lead	PAHs	PCBs	HVOCs
HB-1	HB-1	5	09/24/97	—	502[b]	22.6	ND	ND	ND	ND	1.97	--	--	--	--	--	—	—	—	—
HB-2	HB-2	5	09/24/97	—	ND	37.8	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-3	HB-3	5	09/24/97	—	ND	21.4	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-4	HB-4	5	09/24/97	—	28.6	729	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-5	HB-5	5	09/24/97	—	ND	11.6	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-6	HB-6	3	09/24/97	—	ND	126	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-7	HB-7	3.5	09/24/97	—	86.6[d]	447	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-8	HB-8	5	09/24/97	—	ND	143	39.2	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-9	HB-9	4.5	09/24/97	—	ND	28.3	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	—	—
HB-10	HB-10	5	09/24/97	—	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	—	—	ND	—
HB-11	HB-11	5	09/24/97	—	ND	1,390	391	ND	ND	ND	ND	--	--	--	--	--	—	D[1]	ND	—
SB-1-5	SB-1-5	5	08/13/13	—	<1.4	<3.5	<12	0.0009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.001	<0.11	6.9	—	—	—
SB-2-5	SB-2-5	5	08/13/13	—	<1.2	<3.4	<11	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.11	5.85	—	—	—
SB-3-5	SB-3-5	5	08/14/13	—	<1.3	<3.3	<11	0.0008	<0.001	<0.001	<0.001	--	--	<0.0006	--	<0.11	3.68	—	—	—
MW-18-21	MW-18	21	08/14/13	—	<1.1	<3.4	97	0.0009	<0.001	<0.001	<0.001	--	--	<0.0006	--	<0.11	4.96	—	—	—
MW-18-22	MW-18	22	08/14/13	—	<1.2	<3.1	<10	<0.0006	<0.001	<0.001	<0.001	--	--	<0.0006	--	<0.11	3.11	—	—	—
MW-19-21	MW-19	21	08/14/13	—	<1.2	<3.4	<11	0.001	<0.001	<0.001	<0.001	--	--	<0.0005	--	<0.11	4.62	—	—	—
MW-19-26	MW-19	26	08/14/13	—	1.9	<3.3	<11	0.004	<0.001	<0.001	<0.001	--	--	<0.0006	--	<0.11	4.58	—	—	—
S-11145928-42518-DT-A20.0'	B-1	20	04/25/18	—	<5.4	<16.5	<11.0	<0.023	<0.057	<0.057	<0.174	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-A24.0'	B-1	24	04/25/18	—	<5.6	<15.4	<10.3	<0.022	<0.055	<0.055	<0.167	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-B19.0'	B-2	19	04/25/18	—	<5.6	<16.0	<10.7	<0.022	<0.055	<0.055	<0.164	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-B24.0'	B-2	24	04/25/18	—	<5.1	<15.3	<10.2	<0.021	<0.052	<0.052	<0.115	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-C15.0'	B-3	15	04/25/18	—	<5.9	<15.3	<10.2	<0.021	<0.052	<0.052	<0.156	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-C26.0'	B-3	26	04/25/18	—	27	<16.2	<10.8	<0.024	<0.059	<0.059	<0.178	--	--	--	--	--	--	--	--	--
S-11145928-42418-DT-D38"	B-4	3.1	04/24/18	—	<5.8	<16.6	16.2	<0.219	<0.054	<0.054	<0.164	--	--	--	--	--	--	--	--	--
S-11145928-42418-DT-E7.0'	B-5	7	04/24/18	—	<5.6	<15.6	<10.4	<0.022	<0.055	<0.055	<0.167	--	--	--	--	--	--	--	--	--
S-11145928-42418-DT-E10.0'	B-5	10	04/25/18	—	<6.7	<18.9	<12.9	<0.0271	<0.067	<0.067	<0.203	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-G15.0'	B-6	15	04/25/18	—	<5.9	<15.3	<10.2	<0.020	<0.050	<0.050	<0.149	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-G24.6'	B-6	24	04/25/18	—	<6.0	<18.1	<12.1	<0.025	<0.061	<0.061	<0.184	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-H15.0'	B-7	15	04/25/18	—	<5.4	<15.6	<10.4	<0.022	<0.054	<0.054	<0.163	--	--	--	--	--	--	--	--	--
S-11145928-42518-DT-H23.0'	B-7	23	04/25/18	—	<5.3	<15.4	<10.3	<0.020	<0.051	<0.051	<0.153	--	--	--	--	--	--	--	--	--

Notes:

Analytical results in bold indicate concentrations exceed MTCA Method A Cleanup Levels.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes
(D) = Duplicate
D = Detected
ft = Feet
mg/kg = Milligrams per kilogram
MTCA = Model Toxics Control Act
ND = Not detected above method reporting limit
HVOCs = Halogenated volatile organic compounds
TPH = Total petroleum hydrocarbons
U = Unknown sample depth
USEPA = United States Environmental Protection Agency
< = Analyte is not detected at or above the laboratory reporting limit. The laboratory reporting limit is listed.
Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyzed by USEPA Method 8020.
TPH as gasoline-range organics (TPH-G) analyzed by USEPA Method 8015 Modified or NWTPH-G
TPH as diesel-range organics (TPH-D) analyzed by USEPA Method 8015 Modified or NWTPH-D extended.
TPH as heavy oil-range organics (TPH-O) analyzed by NWTPH-D extended.
Polycyclic aromative hydrocarbons (PAHs) analyzed by USEPA Method 8270.
Polychlorinated biphenyls (PCBs) analyzed by USEPA Method 8081.
Halogenated volatile organic compounds (HVOCs) analyzed by USEPA Method 8010.
1 Acenaphthene = 0.0181 mg/kg; Anthracene = 0.0226 mg/kg; Fluorene = 0.0438 mg/kg; Phenanthrene = 0.0981 mg/kg; Pyrene = 0.0294 mg/kg.

[a] Soil sample confirmed below MTCA Method A screening levels by soil sample S-11145928-42518-DT-C15.0'

[b] Soil Boring HB-1 was comfirmed below MTCA Method A Screening Levels based on soil data from boring SB-1.

[c] Heavy sheen in soil reported in soil sample HB-6 confirmed by soil sample S-11145928-42418-DT-E7.0'

[d] Soil sample confirmed below MTCA Method A screening levels by soil sample S-11145928-42418-DT-D38"

Shaded samples were either over-excavated or confirmed clean at a later date.

Appendices

Appendix A
Boring Logs

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-1
DATE COMPLETED: 25 April 2018
DRILLING METHOD: PROBE
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE	SAMPLE PID (ppm)
	ASPHALT	0.25	BACKFILLED WITH SOIL CUTTINGS					
2	SM-SILTY SAND (FILL), with gravel	2.00		1GP				0.8
	SM-SILTY SAND, loose, brown, moist							
4								
	SM-SAND, with silt, loose, brown/tan, moist	5.00						
6								
				2GP				0.5
8								
10	SP-SAND, few silt, loose, brown/tan, moist	10.00						
12			BACKFILLED WITH HYDRATED BENTONITE CHIPS	3GP				0.4
14	- loose to compact at 15.0ft BGS							
16								
18				4GP				0.2
20	- compact at 20.0ft BGS			20'				
	BEDROCK, fractured, cobble interbedded with sand	21.00						0.1
22				5GP				0.1
24	- REFUSAL at 24.0ft BGS	24.00		24'				
	END OF BOREHOLE @ 24.0ft BGS							
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (20')

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-2
DATE COMPLETED: 25 April 2018
DRILLING METHOD: PROBE
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	PID (ppm)
0	ASPHALT	0.25	BACKFILLED WITH SOIL CUTTINGS				
	SM-SILTY SAND (FILL), with gravel						0.8
2	SM-SILTY SAND, loose, brown, moist	2.00		1GP			
							0.5
4							
	SM-SAND, with silt, loose, brown, moist	5.00					
6							0.4
				2GP			
8							0.5
	SP-SAND, few silt, loose, brown/tan, moist	9.00					
10							0.1
				3GP			
12			BACKFILLED WITH HYDRATED BENTONITE CHIPS				
14	- compact at 15.0ft BGS						0.0
16							0.0
				4GP			
18							0.2
	BEDROCK, fractured, interbedded with sand	19.50					
20	- interbedded with sand, gravel and cobble at 20.0ft BGS						
22				5GP			0.4
24	- REFUSAL at 24.5ft BGS	24.50		24'			
	END OF BOREHOLE @ 24.5ft BGS						
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (24')

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-3
DATE COMPLETED: 25 April 2018
DRILLING METHOD: PROBE
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	PID (ppm)
0	GP-SANDY GRAVEL (FILL), with cobble to 8"		BACKFILLED WITH SOIL CUTTINGS	0'			
2	SM-SILTY SAND, loose, brown, moist	2.00		1GP			0.8
4							
5	SM-SAND, with silt, loose, brown, moist	5.00					
6							
8				2GP			1.0
10	SP-SAND, few silt, compact, brown/tan, moist	10.00					
12				3GP			0.6
14			BACKFILLED WITH HYDRATED BENTONITE CHIPS				
15				15'			
16							0.4
18				4GP			0.1
20	BEDROCK, fractured, infilled with sand and gravel - infilled/interbedded with sand and gravel	19.80					0.1
22				5GP			
24							0.1
26	- loose, dark staining, odor at 25.5ft BGS			6GP			375
	END OF BOREHOLE @ 26.0ft BGS	26.00		26'			
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (oval)

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-4
DATE COMPLETED: 24 April 2018
DRILLING METHOD: VAC/H. AUGER
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE	SAMPLE PID (ppm)
2	GM-GRAVEL (FILL), with silt and sand, cobble from 1-18"		BACKFILLED WITH SOIL CUTTINGS	1HA				0.1-0.8
4	CONCRETE, solid, flat	3.17		3.25'				0.5
	END OF BOREHOLE @ 3.3ft BGS	3.25						
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (3.25')

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-5
DATE COMPLETED: 24 April 2018
DRILLING METHOD: H. AUGER
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE	SAMPLE PID (ppm)
0	SM-SILTY SAND, loose, brown, moist		BACKFILLED WITH SOIL CUTTINGS					
2				1HA				0.5
4								0.8
								0.8
	SM-SAND, with silt, loose, brown/tan, moist	5.00	BACKFILLED WITH HYDRATED BENTONITE CHIPS					
6								0.4
8				2HA				
								0.4
10	END OF BOREHOLE @ 10.0ft BGS	10.00		10'				
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (10')

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-6
DATE COMPLETED: 25 April 2018
DRILLING METHOD: PROBE
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE	SAMPLE PID (ppm)
0	SM-SILTY SAND (FILL), with gravel		BACKFILLED WITH SOIL CUTTINGS					
2	SM-SILTY SAND, loose, brown, moist	1.67		1GP				0.1
4								
6	SP-SAND, few silt, brown/tan, moist	5.00						
8				2GP				0.3
10	- trace fine gravel at 10.0ft BGS							
12			BACKFILLED WITH HYDRATED BENTONITE CHIPS	3GP				1.1
14				15'				
16								0.6
18				4GP				0.2
20								0.1
22	BEDROCK, fractured, unconsolidated, interbedded with sand and gravel	20.80		5GP				
24	- REFUSAL at 24.6ft BGS	24.60		24.6'				
26	END OF BOREHOLE @ 24.6ft BGS							
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (15')

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: P66 - WENATCHEE
PROJECT NUMBER: 11145928
CLIENT: PHILLIPS 66 COMPANY
LOCATION: 6 N 5TH ST, WENATCHEE, WA

HOLE DESIGNATION: B-7
DATE COMPLETED: 25 April 2018
DRILLING METHOD: PROBE
FIELD PERSONNEL: D. TRUDEAU

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE	SAMPLE PID (ppm)
0	GP-GRAVEL (FILL), with silt and sand		BACKFILLED WITH SOIL CUTTINGS					
2	SM-SILTY SAND, loose, brown, moist	2.00		1GP				1.8
4								
5	SM-SAND, with silt, brown, moist	5.00						
6								
8				2GP				2.2
10	SP-SAND, few silt, brown/tan, moist	10.00						
12			BACKFILLED WITH HYDRATED BENTONITE CHIPS	3GP				2.4
14								
15				15'				
16								2.
18				4GP				2.6
20								2.2
21		21.60		5GP				
22	BEDROCK, fractured, unconsolidated, interbedded with sand and gravel - REFUSAL at 23.0ft BGS	23.00		23'				
24	END OF BOREHOLE @ 23.0ft BGS							
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS (15')

OVERBURDEN LOG 11145928-WI.GPJ GHD_Corp 1/10/18

Appendix B
Laboratory Analytical Report

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

May 04, 2018

Jeffrey Cloud
GHD
4550 Kruse Way Suite 300
Lake Oswego, OR 97035

RE: Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Dear Jeffrey Cloud:
Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Sylvia Hunter

Sylvia Hunter
sylvia.hunter@pacelabs.com
1(612)607-1700
Project Manager

Enclosures

cc: Matthew Davis, GHD

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10429025001	**S-11145928-42418-DT-E7.0'**	Solid	04/24/18 10:30	04/27/18 10:00
10429025002	**S-11145928-42418-DT-E10.0'**	Solid	04/24/18 10:50	04/27/18 10:00
10429025003	**S-11145928-42418-DT-D38''**	Solid	04/24/18 11:45	04/27/18 10:00
10429025004	**S-11145928-42518-DT-A20.0'**	Solid	04/25/18 07:45	04/27/18 10:00
10429025005	**S-11145928-42518-DT-A24.0'**	Solid	04/25/18 08:00	04/27/18 10:00
10429025006	**S-11145928-42518-DT-B19.0'**	Solid	04/25/18 08:45	04/27/18 10:00
10429025007	**S-11145928-42518-DT-B24.0'**	Solid	04/25/18 09:30	04/27/18 10:00
10429025008	**S-11145928-42518-DT-C15.0'**	Solid	04/25/18 10:45	04/27/18 10:00
10429025009	**S-11145928-42518-DT-C26.0'**	Solid	04/25/18 11:00	04/27/18 10:00
10429025010	**S-11145928-42518-DT-G15.0'**	Solid	04/25/18 12:45	04/27/18 10:00
10429025011	**S-11145928-42518-DT-G24.6'**	Solid	04/25/18 13:00	04/27/18 10:00
10429025012	**S-11145928-42518-DT-H15.0'**	Solid	04/25/18 13:45	04/27/18 10:00
10429025013	**S-11145928-42518-DT-H23.0'**	Solid	04/25/18 14:00	04/27/18 10:00
10429025014	**S-11145928-42518-DT-WASTE**	Solid	04/25/18 15:00	04/27/18 10:00
10429025015	**Trip Blanks**	Solid	04/25/18 00:00	04/27/18 10:00

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10429025001	**S-11145928-42418-DT-E7.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025002	**S-11145928-42418-DT-E10.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025003	**S-11145928-42418-DT-D38''**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025004	**S-11145928-42518-DT-A20.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025005	**S-11145928-42518-DT-A24.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025006	**S-11145928-42518-DT-B19.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025007	**S-11145928-42518-DT-B24.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025008	**S-11145928-42518-DT-C15.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025009	**S-11145928-42518-DT-C26.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025010	**S-11145928-42518-DT-G15.0'**	NWTPH-Dx	EC2	4	PASI-M

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SAMPLE ANALYTE COUNT

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025011	**S-11145928-42518-DT-G24.6'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025012	**S-11145928-42518-DT-H15.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025013	**S-11145928-42518-DT-H23.0'**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10429025014	**S-11145928-42518-DT-WASTE**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	LPM	2	PASI-M
		EPA 6010	DM	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		ASTM D2974	PW1	1	PASI-M
		EPA 8270	AT1	18	PASI-M
		EPA 8260B	DS2	14	PASI-M
10429025015	**Trip Blanks**	NWTPH-Gx	LPM	2	PASI-M
		EPA 8260B	GDM	7	PASI-M

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42418-DT-E7.0' Lab ID: 10429025001 Collected: 04/24/18 10:30 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.6	2.3	1	05/01/18 14:20	05/03/18 13:06	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.4	2.7	1	05/01/18 14:20	05/03/18 13:06	64742-65-0	
Surrogates									
n-Triacontane (S)	89	%.	50-150		1	05/01/18 14:20	05/03/18 13:06	638-68-6	
o-Terphenyl (S)	81	%.	50-150		1	05/01/18 14:20	05/03/18 13:06	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.6	1.5	1	05/03/18 10:41	05/04/18 01:24		
Surrogates									
a,a,a-Trifluorotoluene (S)	85	%.	50-150		1	05/03/18 10:41	05/04/18 01:24	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**4.2**	%	0.10	0.10	1		05/01/18 12:20		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	22.2	8.2	1	05/02/18 18:02	05/03/18 13:42	71-43-2	
Ethylbenzene	ND	ug/kg	55.6	16.1	1	05/02/18 18:02	05/03/18 13:42	100-41-4	
Toluene	ND	ug/kg	55.6	15.8	1	05/02/18 18:02	05/03/18 13:42	108-88-3	
Xylene (Total)	ND	ug/kg	167	29.8	1	05/02/18 18:02	05/03/18 13:42	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%.	75-125		1	05/02/18 18:02	05/03/18 13:42	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		1	05/02/18 18:02	05/03/18 13:42	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1	05/02/18 18:02	05/03/18 13:42	460-00-4	

Sample: S-11145928-42418-DT-E10.0' Lab ID: 10429025002 Collected: 04/24/18 10:50 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	18.9	2.8	1	05/01/18 14:20	05/03/18 14:45	68334-30-5	
Motor Oil Range SG	ND	mg/kg	12.6	3.3	1	05/01/18 14:20	05/03/18 14:45	64742-65-0	
Surrogates									
n-Triacontane (S)	93	%.	50-150		1	05/01/18 14:20	05/03/18 14:45	638-68-6	
o-Terphenyl (S)	87	%.	50-150		1	05/01/18 14:20	05/03/18 14:45	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	6.7	1.7	1	05/03/18 10:41	05/04/18 01:42		
Surrogates									
a,a,a-Trifluorotoluene (S)	85	%.	50-150		1	05/03/18 10:41	05/04/18 01:42	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**20.8**	%	0.10	0.10	1		05/01/18 12:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42418-DT-E10.0' **Lab ID: 10429025002** Collected: 04/24/18 10:50 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	27.1	10.0	1	05/02/18 18:02	05/03/18 14:51	71-43-2	
Ethylbenzene	ND	ug/kg	67.7	19.6	1	05/02/18 18:02	05/03/18 14:51	100-41-4	
Toluene	ND	ug/kg	67.7	19.2	1	05/02/18 18:02	05/03/18 14:51	108-88-3	
Xylene (Total)	ND	ug/kg	203	36.3	1	05/02/18 18:02	05/03/18 14:51	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	80	%.	75-125		1	05/02/18 18:02	05/03/18 14:51	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1	05/02/18 18:02	05/03/18 14:51	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	05/02/18 18:02	05/03/18 14:51	460-00-4	

Sample: S-11145928-42418-DT-D38'' **Lab ID: 10429025003** Collected: 04/24/18 11:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	16.6	2.4	1	05/01/18 14:20	05/03/18 12:55	68334-30-5	
Motor Oil Range SG	**16.2**	mg/kg	11.1	2.9	1	05/01/18 14:20	05/03/18 12:55	64742-65-0	
Surrogates									
n-Triacontane (S)	86	%.	50-150		1	05/01/18 14:20	05/03/18 12:55	638-68-6	
o-Terphenyl (S)	79	%.	50-150		1	05/01/18 14:20	05/03/18 12:55	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.8	1.5	1	05/03/18 10:41	05/04/18 01:59		
Surrogates									
a,a,a-Trifluorotoluene (S)	85	%.	50-150		1	05/03/18 10:41	05/04/18 01:59	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**10.1**	%	0.10	0.10	1		05/01/18 12:20		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	21.9	8.1	1	05/03/18 14:20	05/03/18 21:17	71-43-2	
Ethylbenzene	ND	ug/kg	54.8	15.9	1	05/03/18 14:20	05/03/18 21:17	100-41-4	
Toluene	ND	ug/kg	54.8	15.6	1	05/03/18 14:20	05/03/18 21:17	108-88-3	
Xylene (Total)	ND	ug/kg	164	29.4	1	05/03/18 14:20	05/03/18 21:17	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%.	75-125		1	05/03/18 14:20	05/03/18 21:17	17060-07-0	
Toluene-d8 (S)	105	%.	75-125		1	05/03/18 14:20	05/03/18 21:17	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1	05/03/18 14:20	05/03/18 21:17	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-A20.0' **Lab ID: 10429025004** Collected: 04/25/18 07:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	16.5	2.4	1	05/01/18 14:20	05/03/18 14:57	68334-30-5	
Motor Oil Range SG	ND	mg/kg	11.0	2.8	1	05/01/18 14:20	05/03/18 14:57	64742-65-0	
Surrogates									
n-Triacontane (S)	94	%.	50-150		1	05/01/18 14:20	05/03/18 14:57	638-68-6	
o-Terphenyl (S)	81	%.	50-150		1	05/01/18 14:20	05/03/18 14:57	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.4	1.4	1	05/03/18 10:41	05/03/18 23:23		
Surrogates									
a,a,a-Trifluorotoluene (S)	86	%.	50-150		1	05/03/18 10:41	05/03/18 23:23	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**9.9**	%	0.10	0.10	1		05/01/18 12:20		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	23.1	8.5	1	05/03/18 14:20	05/03/18 21:35	71-43-2	
Ethylbenzene	ND	ug/kg	57.8	16.8	1	05/03/18 14:20	05/03/18 21:35	100-41-4	
Toluene	ND	ug/kg	57.8	16.4	1	05/03/18 14:20	05/03/18 21:35	108-88-3	
Xylene (Total)	ND	ug/kg	174	31.0	1	05/03/18 14:20	05/03/18 21:35	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	83	%.	75-125		1	05/03/18 14:20	05/03/18 21:35	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		1	05/03/18 14:20	05/03/18 21:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	05/03/18 14:20	05/03/18 21:35	460-00-4	

Sample: S-11145928-42518-DT-A24.0' **Lab ID: 10429025005** Collected: 04/25/18 08:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.4	2.2	1	05/01/18 14:20	05/03/18 15:08	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.3	2.7	1	05/01/18 14:20	05/03/18 15:08	64742-65-0	
Surrogates									
n-Triacontane (S)	94	%.	50-150		1	05/01/18 14:20	05/03/18 15:08	638-68-6	
o-Terphenyl (S)	87	%.	50-150		1	05/01/18 14:20	05/03/18 15:08	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.6	1.5	1	05/03/18 10:41	05/03/18 23:58		
Surrogates									
a,a,a-Trifluorotoluene (S)	84	%.	50-150		1	05/03/18 10:41	05/03/18 23:58	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-A24.0' **Lab ID: 10429025005** Collected: 04/25/18 08:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**2.7**	%	0.10	0.10	1		05/01/18 12:20		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	22.2	8.2	1	05/03/18 14:20	05/03/18 21:52	71-43-2	
Ethylbenzene	ND	ug/kg	55.5	16.1	1	05/03/18 14:20	05/03/18 21:52	100-41-4	
Toluene	ND	ug/kg	55.5	15.8	1	05/03/18 14:20	05/03/18 21:52	108-88-3	
Xylene (Total)	ND	ug/kg	167	29.8	1	05/03/18 14:20	05/03/18 21:52	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%.	75-125		1	05/03/18 14:20	05/03/18 21:52	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		1	05/03/18 14:20	05/03/18 21:52	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	05/03/18 14:20	05/03/18 21:52	460-00-4	

Sample: S-11145928-42518-DT-B19.0' **Lab ID: 10429025006** Collected: 04/25/18 08:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	16.0	2.3	1	05/01/18 14:20	05/03/18 14:23	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.7	2.8	1	05/01/18 14:20	05/03/18 14:23	64742-65-0	
Surrogates									
n-Triacontane (S)	96	%.	50-150		1	05/01/18 14:20	05/03/18 14:23	638-68-6	
o-Terphenyl (S)	89	%.	50-150		1	05/01/18 14:20	05/03/18 14:23	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.6	1.5	1	05/03/18 10:41	05/04/18 02:16		
Surrogates									
a,a,a-Trifluorotoluene (S)	87	%.	50-150		1	05/03/18 10:41	05/04/18 02:16	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.1**	%	0.10	0.10	1		05/01/18 12:20		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	21.9	8.1	1	05/03/18 14:20	05/03/18 22:10	71-43-2	
Ethylbenzene	ND	ug/kg	54.8	15.9	1	05/03/18 14:20	05/03/18 22:10	100-41-4	
Toluene	ND	ug/kg	54.8	15.6	1	05/03/18 14:20	05/03/18 22:10	108-88-3	
Xylene (Total)	ND	ug/kg	164	29.4	1	05/03/18 14:20	05/03/18 22:10	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	82	%.	75-125		1	05/03/18 14:20	05/03/18 22:10	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		1	05/03/18 14:20	05/03/18 22:10	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1	05/03/18 14:20	05/03/18 22:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-B24.0' **Lab ID: 10429025007** Collected: 04/25/18 09:30 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.3	2.2	1	05/01/18 14:20	05/03/18 15:19	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.2	2.6	1	05/01/18 14:20	05/03/18 15:19	64742-65-0	
Surrogates									
n-Triacontane (S)	100	%.	50-150		1	05/01/18 14:20	05/03/18 15:19	638-68-6	
o-Terphenyl (S)	90	%.	50-150		1	05/01/18 14:20	05/03/18 15:19	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.1	1.3	1	05/03/18 10:41	05/04/18 02:34		
Surrogates									
a,a,a-Trifluorotoluene (S)	82	%.	50-150		1	05/03/18 10:41	05/04/18 02:34	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**2.5**	%	0.10	0.10	1		05/01/18 12:20		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	20.7	7.6	1	05/03/18 14:20	05/03/18 22:27	71-43-2	
Ethylbenzene	ND	ug/kg	51.7	15.0	1	05/03/18 14:20	05/03/18 22:27	100-41-4	
Toluene	ND	ug/kg	51.7	14.7	1	05/03/18 14:20	05/03/18 22:27	108-88-3	
Xylene (Total)	ND	ug/kg	155	27.7	1	05/03/18 14:20	05/03/18 22:27	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	83	%.	75-125		1	05/03/18 14:20	05/03/18 22:27	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		1	05/03/18 14:20	05/03/18 22:27	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1	05/03/18 14:20	05/03/18 22:27	460-00-4	

Sample: S-11145928-42518-DT-C15.0' **Lab ID: 10429025008** Collected: 04/25/18 10:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.3	2.2	1	05/01/18 14:20	05/03/18 15:30	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.2	2.6	1	05/01/18 14:20	05/03/18 15:30	64742-65-0	
Surrogates									
n-Triacontane (S)	92	%.	50-150		1	05/01/18 14:20	05/03/18 15:30	638-68-6	
o-Terphenyl (S)	85	%.	50-150		1	05/01/18 14:20	05/03/18 15:30	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.9	1.5	1	05/03/18 10:41	05/04/18 02:51		
Surrogates									
a,a,a-Trifluorotoluene (S)	86	%.	50-150		1	05/03/18 10:41	05/04/18 02:51	98-08-8	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
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(612)607-1700

ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-C15.0' **Lab ID: 10429025008** Collected: 04/25/18 10:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**3.1**	%	0.10	0.10	1		05/01/18 12:21		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	20.8	7.7	1	05/03/18 14:20	05/03/18 22:45	71-43-2	
Ethylbenzene	ND	ug/kg	52.1	15.1	1	05/03/18 14:20	05/03/18 22:45	100-41-4	
Toluene	ND	ug/kg	52.1	14.8	1	05/03/18 14:20	05/03/18 22:45	108-88-3	
Xylene (Total)	ND	ug/kg	156	27.9	1	05/03/18 14:20	05/03/18 22:45	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%.	75-125		1	05/03/18 14:20	05/03/18 22:45	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		1	05/03/18 14:20	05/03/18 22:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	05/03/18 14:20	05/03/18 22:45	460-00-4	

Sample: S-11145928-42518-DT-C26.0' **Lab ID: 10429025009** Collected: 04/25/18 11:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	16.2	2.4	1	05/01/18 14:20	05/03/18 15:41	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.8	2.8	1	05/01/18 14:20	05/03/18 15:41	64742-65-0	
Surrogates									
n-Triacontane (S)	94	%.	50-150		1	05/01/18 14:20	05/03/18 15:41	638-68-6	
o-Terphenyl (S)	83	%.	50-150		1	05/01/18 14:20	05/03/18 15:41	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**27.0**	mg/kg	5.7	1.5	1	05/03/18 10:41	05/04/18 03:08		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	50-150		1	05/03/18 10:41	05/04/18 03:08	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.9**	%	0.10	0.10	1		05/01/18 12:21		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	23.7	8.8	1	05/03/18 14:20	05/03/18 23:02	71-43-2	
Ethylbenzene	ND	ug/kg	59.3	17.2	1	05/03/18 14:20	05/03/18 23:02	100-41-4	
Toluene	ND	ug/kg	59.3	16.8	1	05/03/18 14:20	05/03/18 23:02	108-88-3	
Xylene (Total)	ND	ug/kg	178	31.8	1	05/03/18 14:20	05/03/18 23:02	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	82	%.	75-125		1	05/03/18 14:20	05/03/18 23:02	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		1	05/03/18 14:20	05/03/18 23:02	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	05/03/18 14:20	05/03/18 23:02	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-G15.0' **Lab ID: 10429025010** Collected: 04/25/18 12:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.3	2.2	1	05/01/18 14:20	05/03/18 15:52	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.2	2.6	1	05/01/18 14:20	05/03/18 15:52	64742-65-0	
Surrogates									
n-Triacontane (S)	101	%.	50-150		1	05/01/18 14:20	05/03/18 15:52	638-68-6	
o-Terphenyl (S)	89	%.	50-150		1	05/01/18 14:20	05/03/18 15:52	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.9	1.5	1	05/03/18 10:41	05/04/18 03:25		
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	50-150		1	05/03/18 10:41	05/04/18 03:25	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**2.6**	%	0.10	0.10	1		05/01/18 12:21		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	19.9	7.3	1	05/03/18 14:20	05/03/18 23:20	71-43-2	
Ethylbenzene	ND	ug/kg	49.7	14.4	1	05/03/18 14:20	05/03/18 23:20	100-41-4	
Toluene	ND	ug/kg	49.7	14.1	1	05/03/18 14:20	05/03/18 23:20	108-88-3	
Xylene (Total)	ND	ug/kg	149	26.6	1	05/03/18 14:20	05/03/18 23:20	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%.	75-125		1	05/03/18 14:20	05/03/18 23:20	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		1	05/03/18 14:20	05/03/18 23:20	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1	05/03/18 14:20	05/03/18 23:20	460-00-4	

Sample: S-11145928-42518-DT-G24.6' **Lab ID: 10429025011** Collected: 04/25/18 13:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	18.1	2.6	1	05/01/18 14:20	05/03/18 16:03	68334-30-5	
Motor Oil Range SG	ND	mg/kg	12.1	3.1	1	05/01/18 14:20	05/03/18 16:03	64742-65-0	
Surrogates									
n-Triacontane (S)	97	%.	50-150		1	05/01/18 14:20	05/03/18 16:03	638-68-6	
o-Terphenyl (S)	86	%.	50-150		1	05/01/18 14:20	05/03/18 16:03	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	6.0	1.6	1	05/03/18 10:41	05/04/18 03:43		
Surrogates									
a,a,a-Trifluorotoluene (S)	86	%.	50-150		1	05/03/18 10:41	05/04/18 03:43	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-G24.6' **Lab ID: 10429025011** Collected: 04/25/18 13:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**17.4**	%	0.10	0.10	1		05/01/18 12:21		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	24.5	9.1	1	05/03/18 14:20	05/03/18 23:37	71-43-2	
Ethylbenzene	ND	ug/kg	61.3	17.8	1	05/03/18 14:20	05/03/18 23:37	100-41-4	
Toluene	ND	ug/kg	61.3	17.4	1	05/03/18 14:20	05/03/18 23:37	108-88-3	
Xylene (Total)	ND	ug/kg	184	32.9	1	05/03/18 14:20	05/03/18 23:37	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	83	%.	75-125		1	05/03/18 14:20	05/03/18 23:37	17060-07-0	
Toluene-d8 (S)	105	%.	75-125		1	05/03/18 14:20	05/03/18 23:37	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	05/03/18 14:20	05/03/18 23:37	460-00-4	

Sample: S-11145928-42518-DT-H15.0' **Lab ID: 10429025012** Collected: 04/25/18 13:45 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.6	2.3	1	05/01/18 14:20	05/03/18 14:34	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.4	2.7	1	05/01/18 14:20	05/03/18 14:34	64742-65-0	
Surrogates									
n-Triacontane (S)	91	%.	50-150		1	05/01/18 14:20	05/03/18 14:34	638-68-6	
o-Terphenyl (S)	84	%.	50-150		1	05/01/18 14:20	05/03/18 14:34	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.4	1.4	1	05/03/18 10:41	05/04/18 04:00		
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	50-150		1	05/03/18 10:41	05/04/18 04:00	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**5.3**	%	0.10	0.10	1		05/01/18 12:22		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	21.7	8.0	1	05/03/18 14:20	05/03/18 23:55	71-43-2	
Ethylbenzene	ND	ug/kg	54.3	15.7	1	05/03/18 14:20	05/03/18 23:55	100-41-4	
Toluene	ND	ug/kg	54.3	15.4	1	05/03/18 14:20	05/03/18 23:55	108-88-3	
Xylene (Total)	ND	ug/kg	163	29.1	1	05/03/18 14:20	05/03/18 23:55	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%.	75-125		1	05/03/18 14:20	05/03/18 23:55	17060-07-0	
Toluene-d8 (S)	104	%.	75-125		1	05/03/18 14:20	05/03/18 23:55	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	05/03/18 14:20	05/03/18 23:55	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-H23.0' **Lab ID: 10429025013** Collected: 04/25/18 14:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	ND	mg/kg	15.4	2.2	1	05/01/18 14:20	05/03/18 16:14	68334-30-5	
Motor Oil Range SG	ND	mg/kg	10.3	2.7	1	05/01/18 14:20	05/03/18 16:14	64742-65-0	
Surrogates									
n-Triacontane (S)	98	%.	50-150		1	05/01/18 14:20	05/03/18 16:14	638-68-6	
o-Terphenyl (S)	89	%.	50-150		1	05/01/18 14:20	05/03/18 16:14	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.3	1.4	1	05/03/18 10:41	05/04/18 00:50		
Surrogates									
a,a,a-Trifluorotoluene (S)	86	%.	50-150		1	05/03/18 10:41	05/04/18 00:50	98-08-8	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**3.9**	%	0.10	0.10	1		05/01/18 12:22		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	20.4	7.6	1	05/03/18 14:20	05/04/18 00:12	71-43-2	
Ethylbenzene	ND	ug/kg	51.1	14.8	1	05/03/18 14:20	05/04/18 00:12	100-41-4	
Toluene	ND	ug/kg	51.1	14.5	1	05/03/18 14:20	05/04/18 00:12	108-88-3	
Xylene (Total)	ND	ug/kg	153	27.4	1	05/03/18 14:20	05/04/18 00:12	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%.	75-125		1	05/03/18 14:20	05/04/18 00:12	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		1	05/03/18 14:20	05/04/18 00:12	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1	05/03/18 14:20	05/04/18 00:12	460-00-4	

Sample: S-11145928-42518-DT-WASTE **Lab ID: 10429025014** Collected: 04/25/18 15:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range SG	**19.0**	mg/kg	16.4	2.4	1	05/01/18 14:20	05/03/18 14:01	68334-30-5	
Motor Oil Range SG	ND	mg/kg	11.0	2.8	1	05/01/18 14:20	05/03/18 14:01	64742-65-0	
Surrogates									
n-Triacontane (S)	94	%.	50-150		1	05/01/18 14:20	05/03/18 14:01	638-68-6	
o-Terphenyl (S)	93	%.	50-150		1	05/01/18 14:20	05/03/18 14:01	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	6.7	1.7	1	05/03/18 10:41	05/04/18 04:17		
Surrogates									
a,a,a-Trifluorotoluene (S)	88	%.	50-150		1	05/03/18 10:41	05/04/18 04:17	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-WASTE **Lab ID: 10429025014** Collected: 04/25/18 15:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 05/02/18 11:12 Initial pH: 9.29; Final pH: 1.66								
Arsenic	ND	mg/L	0.10	0.026	1	05/02/18 13:01	05/03/18 11:51	7440-38-2	
Barium	ND	mg/L	0.50	0.0011	1	05/02/18 13:01	05/03/18 11:51	7440-39-3	
Cadmium	ND	mg/L	0.015	0.0023	1	05/02/18 13:01	05/03/18 11:51	7440-43-9	
Chromium	ND	mg/L	0.050	0.0025	1	05/02/18 13:01	05/03/18 11:51	7440-47-3	
Lead	ND	mg/L	0.050	0.015	1	05/02/18 13:01	05/03/18 11:51	7439-92-1	
Selenium	ND	mg/L	0.10	0.032	1	05/02/18 13:01	05/03/18 11:51	7782-49-2	
Silver	ND	mg/L	0.050	0.0013	1	05/02/18 13:01	05/03/18 11:51	7440-22-4	
7470A Mercury, TCLP	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
	Leachate Method/Date: EPA 1311; 05/02/18 11:12 Initial pH: 9.29; Final pH: 1.66								
Mercury	ND	ug/L	0.60	0.18	1	05/02/18 17:16	05/02/18 18:21	7439-97-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**9.6**	%	0.10	0.10	1		05/01/18 12:22		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520								
	Leachate Method/Date: EPA 1311; 05/02/18 14:20 Initial pH: 9.29; Final pH: 1.66								
1,4-Dichlorobenzene	ND	ug/L	100	1.5	1	05/02/18 15:19	05/04/18 17:38	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1.2	1	05/02/18 15:19	05/04/18 17:38	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1.9	1	05/02/18 15:19	05/04/18 17:38	87-68-3	
Hexachlorobenzene	ND	ug/L	100	0.97	1	05/02/18 15:19	05/04/18 17:38	118-74-1	
Hexachloroethane	ND	ug/L	100	1.9	1	05/02/18 15:19	05/04/18 17:38	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1.2	1	05/02/18 15:19	05/04/18 17:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	100	1.2	1	05/02/18 15:19	05/04/18 17:38		
Nitrobenzene	ND	ug/L	100	1.2	1	05/02/18 15:19	05/04/18 17:38	98-95-3	
Pentachlorophenol	ND	ug/L	200	1.3	1	05/02/18 15:19	05/04/18 17:38	87-86-5	
Pyridine	ND	ug/L	100	2.6	1	05/02/18 15:19	05/04/18 17:38	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1.1	1	05/02/18 15:19	05/04/18 17:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1.2	1	05/02/18 15:19	05/04/18 17:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	83	%.	61-125		1	05/02/18 15:19	05/04/18 17:38	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	67-125		1	05/02/18 15:19	05/04/18 17:38	321-60-8	
p-Terphenyl-d14 (S)	98	%.	73-125		1	05/02/18 15:19	05/04/18 17:38	1718-51-0	
Phenol-d6 (S)	80	%.	64-125		1	05/02/18 15:19	05/04/18 17:38	13127-88-3	
2-Fluorophenol (S)	77	%.	53-125		1	05/02/18 15:19	05/04/18 17:38	367-12-4	
2,4,6-Tribromophenol (S)	96	%.	61-125		1	05/02/18 15:19	05/04/18 17:38	118-79-6	
8260B MSV TCLP	Analytical Method: EPA 8260B Leachate Method/Date: EPA 1311; 05/02/18 09:03								
Benzene	ND	ug/L	25.0	8.5	1		05/03/18 14:13	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	60.5	1		05/03/18 14:13	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	5.0	1		05/03/18 14:13	56-23-5	
Chlorobenzene	ND	ug/L	25.0	3.4	1		05/03/18 14:13	108-90-7	
Chloroform	ND	ug/L	25.0	11.5	1		05/03/18 14:13	67-66-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Sample: S-11145928-42518-DT-WASTE **Lab ID: 10429025014** Collected: 04/25/18 15:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV TCLP	Analytical Method: EPA 8260B Leachate Method/Date: EPA 1311; 05/02/18 09:03								
1,4-Dichlorobenzene	ND	ug/L	25.0	2.6	1		05/03/18 14:13	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	1		05/03/18 14:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	4.5	1		05/03/18 14:13	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	4.0	1		05/03/18 14:13	127-18-4	
Trichloroethene	ND	ug/L	10.0	4.6	1		05/03/18 14:13	79-01-6	
Vinyl chloride	ND	ug/L	5.0	2.4	1		05/03/18 14:13	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		05/03/18 14:13	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1		05/03/18 14:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		05/03/18 14:13	460-00-4	

Sample: Trip Blanks **Lab ID: 10429025015** Collected: 04/25/18 00:00 Received: 04/27/18 10:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	ND	mg/kg	5.0	1.3	1	05/03/18 10:41	05/04/18 04:52		
Surrogates									
a,a,a-Trifluorotoluene (S)	87	%.	50-150		1	05/03/18 10:41	05/04/18 04:52	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	ND	ug/kg	20.0	7.4	1	05/03/18 16:19	05/04/18 03:22	71-43-2	
Ethylbenzene	ND	ug/kg	50.0	14.5	1	05/03/18 16:19	05/04/18 03:22	100-41-4	
Toluene	ND	ug/kg	50.0	14.2	1	05/03/18 16:19	05/04/18 03:22	108-88-3	
Xylene (Total)	ND	ug/kg	150	26.8	1	05/03/18 16:19	05/04/18 03:22	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%.	75-125		1	05/03/18 16:19	05/04/18 03:22	17060-07-0	
Toluene-d8 (S)	103	%.	75-125		1	05/03/18 16:19	05/04/18 03:22	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	05/03/18 16:19	05/04/18 03:22	460-00-4	

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535815 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10429025001, 10429025002, 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013, 10429025014, 10429025015

METHOD BLANK: 2912161 Matrix: Solid
Associated Lab Samples: 10429025001, 10429025002, 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013, 10429025014, 10429025015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	ND	5.0	1.3	05/03/18 21:40	
a,a,a-Trifluorotoluene (S)	%.	86	50-150		05/03/18 21:40	

METHOD BLANK: 2912162 Matrix: Solid
Associated Lab Samples: 10429025001, 10429025002, 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013, 10429025014, 10429025015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	ND	5.0	1.3	05/03/18 21:57	
a,a,a-Trifluorotoluene (S)	%.	90	50-150		05/03/18 21:57	

LABORATORY CONTROL SAMPLE & LCSD: 2912163 2912164

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	49.2	48.1	98	96	54-125	2	20	
a,a,a-Trifluorotoluene (S)	%.				100	98	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2912364 2912365

Parameter	Units	10429025004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	mg/kg	ND	57.9	55.6	62.9	63.4	109	114	70-130	1	30	
a,a,a-Trifluorotoluene (S)	%.						100	100	50-150			

SAMPLE DUPLICATE: 2912366

Parameter	Units	10429025005 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	84	86	7		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

SAMPLE DUPLICATE: 2912367

Parameter	Units	10429025013 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	86	87	4		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535611 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470A Mercury TCLP
Associated Lab Samples: 10429025014

METHOD BLANK: 2910903 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	0.18	05/02/18 17:51	

METHOD BLANK: 2908309 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	0.18	05/02/18 18:30	

METHOD BLANK: 2908310 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	0.18	05/02/18 18:32	

LABORATORY CONTROL SAMPLE: 2910904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	15	16.5	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2910905 2910906

Parameter	Units	10428181002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	15	15	18.0	17.6	120	118	80-120	2	20	

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535605
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 10429025014

METHOD BLANK: 2910878 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.10	0.026	05/03/18 11:18	
Barium	mg/L	ND	0.50	0.0011	05/03/18 11:18	
Cadmium	mg/L	ND	0.015	0.0023	05/03/18 11:18	
Chromium	mg/L	ND	0.050	0.0025	05/03/18 11:18	
Lead	mg/L	ND	0.050	0.015	05/03/18 11:18	
Selenium	mg/L	ND	0.10	0.032	05/03/18 11:18	
Silver	mg/L	ND	0.050	0.0013	05/03/18 11:18	

METHOD BLANK: 2908309 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.10	0.026	05/03/18 11:54	
Barium	mg/L	ND	0.50	0.0011	05/03/18 11:54	
Cadmium	mg/L	ND	0.015	0.0023	05/03/18 11:54	
Chromium	mg/L	ND	0.050	0.0025	05/03/18 11:54	
Lead	mg/L	ND	0.050	0.015	05/03/18 11:54	
Selenium	mg/L	ND	0.10	0.032	05/03/18 11:54	
Silver	mg/L	ND	0.050	0.0013	05/03/18 11:54	

LABORATORY CONTROL SAMPLE: 2910879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	5	5.2	104	80-120	
Barium	mg/L	5	4.9	99	80-120	
Cadmium	mg/L	5	5.0	101	80-120	
Chromium	mg/L	5	5.0	99	80-120	
Lead	mg/L	5	4.9	98	80-120	
Selenium	mg/L	5	5.6	112	80-120	
Silver	mg/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2910880 2910881

Parameter	Units	10427632003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	5	5	5.3	5.4	107	107	75-125	1	30	

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2910880 2910881

Parameter	Units	10427632003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	606 ug/L	5	5	5.5	5.6	99	100	75-125	1	30	
Cadmium	mg/L	ND	5	5	5.1	5.1	103	102	75-125	0	30	
Chromium	mg/L	ND	5	5	5.0	5.0	101	101	75-125	0	30	
Lead	mg/L	0.099	5	5	5.0	5.0	98	98	75-125	0	30	
Selenium	mg/L	ND	5	5	5.7	5.7	113	113	75-125	0	30	
Silver	mg/L	ND	2.5	2.5	2.5	2.5	102	101	75-125	0	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535247 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10429025001, 10429025002, 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013, 10429025014

SAMPLE DUPLICATE: 2908336

Parameter	Units	10429025001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.2	4.1	0	30	

SAMPLE DUPLICATE: 2908337

Parameter	Units	10429025010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.6	2.6	2	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535845 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV TCLP
Associated Lab Samples: 10429025014

METHOD BLANK: 2912290 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	25.0	4.5	05/03/18 11:00	
1,2-Dichloroethane	ug/L	ND	25.0	8.0	05/03/18 11:00	
1,4-Dichlorobenzene	ug/L	ND	25.0	2.6	05/03/18 11:00	
2-Butanone (MEK)	ug/L	ND	125	60.5	05/03/18 11:00	
Benzene	ug/L	ND	25.0	8.5	05/03/18 11:00	
Carbon tetrachloride	ug/L	ND	25.0	5.0	05/03/18 11:00	
Chlorobenzene	ug/L	ND	25.0	3.4	05/03/18 11:00	
Chloroform	ug/L	ND	25.0	11.5	05/03/18 11:00	
Tetrachloroethene	ug/L	ND	25.0	4.0	05/03/18 11:00	
Trichloroethene	ug/L	ND	10.0	4.6	05/03/18 11:00	
Vinyl chloride	ug/L	ND	5.0	2.4	05/03/18 11:00	
1,2-Dichloroethane-d4 (S)	%.	101	75-125		05/03/18 11:00	
4-Bromofluorobenzene (S)	%.	101	75-125		05/03/18 11:00	
Toluene-d8 (S)	%.	98	75-125		05/03/18 11:00	

METHOD BLANK: 2909519 Matrix: Solid
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	25.0	4.5	05/03/18 11:00	
1,2-Dichloroethane	ug/L	ND	25.0	8.0	05/03/18 11:00	
1,4-Dichlorobenzene	ug/L	ND	25.0	2.6	05/03/18 11:00	
2-Butanone (MEK)	ug/L	ND	125	60.5	05/03/18 11:00	
Benzene	ug/L	ND	25.0	8.5	05/03/18 11:00	
Carbon tetrachloride	ug/L	ND	25.0	5.0	05/03/18 11:00	
Chlorobenzene	ug/L	ND	25.0	3.4	05/03/18 11:00	
Chloroform	ug/L	ND	25.0	11.5	05/03/18 11:00	
Tetrachloroethene	ug/L	ND	25.0	4.0	05/03/18 11:00	
Trichloroethene	ug/L	ND	10.0	4.6	05/03/18 11:00	
Vinyl chloride	ug/L	ND	5.0	2.4	05/03/18 11:00	
1,2-Dichloroethane-d4 (S)	%.	101	75-125		05/03/18 11:00	
4-Bromofluorobenzene (S)	%.	101	75-125		05/03/18 11:00	
Toluene-d8 (S)	%.	98	75-125		05/03/18 11:00	

LABORATORY CONTROL SAMPLE: 2912291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	472	94	65-128	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

LABORATORY CONTROL SAMPLE: 2912291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	500	479	96	67-125	
1,4-Dichlorobenzene	ug/L	500	472	94	75-125	
2-Butanone (MEK)	ug/L	2500	2450	98	56-130	
Benzene	ug/L	500	480	96	71-125	
Carbon tetrachloride	ug/L	500	457	91	65-126	
Chlorobenzene	ug/L	500	485	97	75-125	
Chloroform	ug/L	500	438	88	72-125	
Tetrachloroethene	ug/L	500	479	96	69-127	
Trichloroethene	ug/L	500	493	99	75-128	
Vinyl chloride	ug/L	500	516	103	67-135	
1,2-Dichloroethane-d4 (S)	%.			100	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2912292 2912293

Parameter	Units	10429238012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	500	500	550	457	110	91	62-138	18	30	
1,2-Dichloroethane	ug/L	ND	500	500	550	461	110	92	68-125	18	30	
1,4-Dichlorobenzene	ug/L	ND	500	500	543	452	109	90	75-125	18	30	
2-Butanone (MEK)	ug/L	ND	2500	2500	2800	2340	112	94	57-135	18	30	
Benzene	ug/L	ND	500	500	558	467	112	93	72-125	18	30	
Carbon tetrachloride	ug/L	ND	500	500	541	455	108	91	66-137	17	30	
Chlorobenzene	ug/L	ND	500	500	553	454	111	91	75-125	20	30	
Chloroform	ug/L	ND	500	500	508	425	101	84	70-125	18	30	
Tetrachloroethene	ug/L	ND	500	500	556	450	111	90	74-126	21	30	
Trichloroethene	ug/L	ND	500	500	565	470	113	94	73-131	18	30	
Vinyl chloride	ug/L	ND	500	500	536	458	107	92	69-135	16	30	
1,2-Dichloroethane-d4 (S)	%.						99	100	75-125			
4-Bromofluorobenzene (S)	%.						98	100	75-125			
Toluene-d8 (S)	%.						101	101	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535750 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10429025001, 10429025002

METHOD BLANK: 2911690 Matrix: Solid
Associated Lab Samples: 10429025001, 10429025002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	ND	20.0	7.4	05/03/18 08:05	
Ethylbenzene	ug/kg	ND	50.0	14.5	05/03/18 08:05	
Toluene	ug/kg	ND	50.0	14.2	05/03/18 08:05	
Xylene (Total)	ug/kg	ND	150	26.8	05/03/18 08:05	
1,2-Dichloroethane-d4 (S)	%.	95	75-125		05/03/18 08:05	
4-Bromofluorobenzene (S)	%.	102	75-125		05/03/18 08:05	
Toluene-d8 (S)	%.	97	75-125		05/03/18 08:05	

LABORATORY CONTROL SAMPLE & LCSD: 2911691 2911692

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	1000	960	834	96	83	61-125	14	20	
Ethylbenzene	ug/kg	1000	979	964	98	96	62-125	2	20	
Toluene	ug/kg	1000	949	941	95	94	61-125	1	20	
Xylene (Total)	ug/kg	3000	2900	2790	97	93	62-125	4	20	
1,2-Dichloroethane-d4 (S)	%.				98	102	75-125			
4-Bromofluorobenzene (S)	%.				102	102	75-125			
Toluene-d8 (S)	%.				100	100	75-125			

MATRIX SPIKE SAMPLE: 2911693

Parameter	Units	10429100001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	1120	1160	104	65-135	
Ethylbenzene	ug/kg	ND	1120	1230	110	72-138	
Toluene	ug/kg	ND	1120	1180	105	65-142	
Xylene (Total)	ug/kg	ND	3360	3560	106	75-140	
1,2-Dichloroethane-d4 (S)	%.				97	75-125	
4-Bromofluorobenzene (S)	%.				100	75-125	
Toluene-d8 (S)	%.				100	75-125	

SAMPLE DUPLICATE: 2911694

Parameter	Units	10429100002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

SAMPLE DUPLICATE: 2911694

Parameter	Units	10429100002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	99	98	5		
4-Bromofluorobenzene (S)	%.	98	99	6		
Toluene-d8 (S)	%.	99	96	3		

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535885 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013

METHOD BLANK: 2912597 Matrix: Solid
Associated Lab Samples: 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	ND	20.0	7.4	05/03/18 18:04	
Ethylbenzene	ug/kg	ND	50.0	14.5	05/03/18 18:04	
Toluene	ug/kg	ND	50.0	14.2	05/03/18 18:04	
Xylene (Total)	ug/kg	ND	150	26.8	05/03/18 18:04	
1,2-Dichloroethane-d4 (S)	%.	83	75-125		05/03/18 18:04	
4-Bromofluorobenzene (S)	%.	99	75-125		05/03/18 18:04	
Toluene-d8 (S)	%.	101	75-125		05/03/18 18:04	

LABORATORY CONTROL SAMPLE & LCSD: 2912598 2912599

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	1000	853	910	85	91	61-125	6	20	
Ethylbenzene	ug/kg	1000	1030	1110	103	111	62-125	7	20	
Toluene	ug/kg	1000	1030	1130	103	113	61-125	9	20	
Xylene (Total)	ug/kg	3000	3120	3270	104	109	62-125	5	20	
1,2-Dichloroethane-d4 (S)	%.				84	82	75-125			
4-Bromofluorobenzene (S)	%.				97	98	75-125			
Toluene-d8 (S)	%.				105	104	75-125			

MATRIX SPIKE SAMPLE: 2912600

Parameter	Units	10429104002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	1020	852	84	65-135	
Ethylbenzene	ug/kg	ND	1020	1050	104	72-138	
Toluene	ug/kg	ND	1020	1070	105	65-142	
Xylene (Total)	ug/kg	ND	3050	3100	102	75-140	
1,2-Dichloroethane-d4 (S)	%.				78	75-125	
4-Bromofluorobenzene (S)	%.				98	75-125	
Toluene-d8 (S)	%.				104	75-125	

SAMPLE DUPLICATE: 2912601

Parameter	Units	10429104003 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

SAMPLE DUPLICATE: 2912601

Parameter	Units	10429104003 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%.	84	86	9		
4-Bromofluorobenzene (S)	%.	101	100	11		
Toluene-d8 (S)	%.	102	104	9		

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535909 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10429025015

METHOD BLANK: 2912682 Matrix: Solid
Associated Lab Samples: 10429025015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	ND	20.0	7.4	05/04/18 03:05	
Ethylbenzene	ug/kg	ND	50.0	14.5	05/04/18 03:05	
Toluene	ug/kg	ND	50.0	14.2	05/04/18 03:05	
Xylene (Total)	ug/kg	ND	150	26.8	05/04/18 03:05	
1,2-Dichloroethane-d4 (S)	%.	87	75-125		05/04/18 03:05	
4-Bromofluorobenzene (S)	%.	102	75-125		05/04/18 03:05	
Toluene-d8 (S)	%.	104	75-125		05/04/18 03:05	

LABORATORY CONTROL SAMPLE & LCSD: 2912683 2913056

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	1000	851	873	85	87	61-125	3	20	
Ethylbenzene	ug/kg	1000	1080	1090	108	109	62-125	1	20	
Toluene	ug/kg	1000	1100	1090	110	109	61-125	0	20	
Xylene (Total)	ug/kg	3000	3160	3230	105	108	62-125	2	20	
1,2-Dichloroethane-d4 (S)	%.				81	80	75-125			
4-Bromofluorobenzene (S)	%.				99	100	75-125			
Toluene-d8 (S)	%.				106	106	75-125			

MATRIX SPIKE SAMPLE: 2912733

Parameter	Units	10429238001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	1120	917	81	65-135	
Ethylbenzene	ug/kg	ND	1120	1230	101	72-138	
Toluene	ug/kg	ND	1120	1150	100	65-142	
Xylene (Total)	ug/kg	ND	3380	3430	101	75-140	
1,2-Dichloroethane-d4 (S)	%.				79	75-125	D3
4-Bromofluorobenzene (S)	%.				122	75-125	
Toluene-d8 (S)	%.				103	75-125	

SAMPLE DUPLICATE: 2913055

Parameter	Units	10429238002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

SAMPLE DUPLICATE: 2913055

Parameter	Units	10429238002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	86	89	1		
4-Bromofluorobenzene (S)	%.	100	102	1		
Toluene-d8 (S)	%.	102	102	3		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535673 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 10429025014

METHOD BLANK: 2911207 Matrix: Water
Associated Lab Samples: 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	1.5	05/04/18 11:26	
2,4,5-Trichlorophenol	ug/L	ND	100	1.1	05/04/18 11:26	
2,4,6-Trichlorophenol	ug/L	ND	100	1.2	05/04/18 11:26	
2,4-Dinitrotoluene	ug/L	ND	100	1.2	05/04/18 11:26	
2-Methylphenol(o-Cresol)	ug/L	ND	100	1.2	05/04/18 11:26	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	100	1.2	05/04/18 11:26	
Hexachloro-1,3-butadiene	ug/L	ND	100	1.9	05/04/18 11:26	
Hexachlorobenzene	ug/L	ND	100	0.97	05/04/18 11:26	
Hexachloroethane	ug/L	ND	100	1.9	05/04/18 11:26	
Nitrobenzene	ug/L	ND	100	1.2	05/04/18 11:26	
Pentachlorophenol	ug/L	ND	200	1.3	05/04/18 11:26	
Pyridine	ug/L	ND	100	2.6	05/04/18 11:26	
2,4,6-Tribromophenol (S)	%.	100	61-125		05/04/18 11:26	
2-Fluorobiphenyl (S)	%.	69	67-125		05/04/18 11:26	
2-Fluorophenol (S)	%.	84	53-125		05/04/18 11:26	
Nitrobenzene-d5 (S)	%.	87	61-125		05/04/18 11:26	
p-Terphenyl-d14 (S)	%.	101	73-125		05/04/18 11:26	
Phenol-d6 (S)	%.	87	64-125		05/04/18 11:26	

LABORATORY CONTROL SAMPLE: 2911208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	327	65	45-125	
2,4,5-Trichlorophenol	ug/L	500	456	91	70-125	
2,4,6-Trichlorophenol	ug/L	500	463	93	72-125	
2,4-Dinitrotoluene	ug/L	500	471	94	68-125	
2-Methylphenol(o-Cresol)	ug/L	500	396	79	58-125	
3&4-Methylphenol(m&p Cresol)	ug/L	500	412	82	62-125	
Hexachloro-1,3-butadiene	ug/L	500	362	72	47-125	
Hexachlorobenzene	ug/L	500	460	92	71-125	
Hexachloroethane	ug/L	500	319	64	32-125	
Nitrobenzene	ug/L	500	409	82	60-125	
Pentachlorophenol	ug/L	500	430	86	45-125	
Pyridine	ug/L	500	334	67	30-125	
2,4,6-Tribromophenol (S)	%.			101	61-125	
2-Fluorobiphenyl (S)	%.			86	67-125	
2-Fluorophenol (S)	%.			80	53-125	
Nitrobenzene-d5 (S)	%.			86	61-125	
p-Terphenyl-d14 (S)	%.			97	73-125	
Phenol-d6 (S)	%.			83	64-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2911209 2911210

Parameter	Units	10429025014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	500	500	326	360	65	72	42-125	10	30	
2,4,5-Trichlorophenol	ug/L	ND	500	500	452	455	90	91	59-125	1	30	
2,4,6-Trichlorophenol	ug/L	ND	500	500	456	460	91	92	62-125	1	30	
2,4-Dinitrotoluene	ug/L	ND	500	500	467	477	93	95	63-126	2	30	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	399	399	80	80	57-125	0	30	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	500	413	411	83	82	59-125	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	343	368	69	74	41-125	7	30	
Hexachlorobenzene	ug/L	ND	500	500	465	470	93	94	66-125	1	30	
Hexachloroethane	ug/L	ND	500	500	318	352	64	70	30-125	10	30	
Nitrobenzene	ug/L	ND	500	500	407	414	81	83	57-125	2	30	
Pentachlorophenol	ug/L	ND	500	500	409	412	82	82	30-150	1	30	
Pyridine	ug/L	ND	500	500	348	347	70	69	39-125	0	30	
2,4,6-Tribromophenol (S)	%.						98	102	61-125			
2-Fluorobiphenyl (S)	%.						83	84	67-125			
2-Fluorophenol (S)	%.						80	81	53-125			
Nitrobenzene-d5 (S)	%.						84	85	61-125			
p-Terphenyl-d14 (S)	%.						95	96	73-125			
Phenol-d6 (S)	%.						84	83	64-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

QC Batch: 535366 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3550 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 10429025001, 10429025002, 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013, 10429025014

METHOD BLANK: 2909594 Matrix: Solid
Associated Lab Samples: 10429025001, 10429025002, 10429025003, 10429025004, 10429025005, 10429025006, 10429025007, 10429025008, 10429025009, 10429025010, 10429025011, 10429025012, 10429025013, 10429025014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/kg	ND	15.0	2.2	05/03/18 12:33	
Motor Oil Range SG	mg/kg	ND	10.0	2.6	05/03/18 12:33	
n-Triacontane (S)	%.	83	50-150		05/03/18 12:33	
o-Terphenyl (S)	%.	85	50-150		05/03/18 12:33	

LABORATORY CONTROL SAMPLE: 2909595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/kg	50	48.8	98	50-150	
Motor Oil Range SG	mg/kg	50	47.4	95	50-150	
n-Triacontane (S)	%.			95	50-150	
o-Terphenyl (S)	%.			90	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2909604 2909605

Parameter	Units	10429025001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range SG	mg/kg	ND	52	51.9	50.9	41.3	93	75	50-150	21	30	
Motor Oil Range SG	mg/kg	ND	52	51.9	52.4	42.6	92	73	50-150	21	30	
n-Triacontane (S)	%.						99	83	50-150			
o-Terphenyl (S)	%.						92	76	50-150			

SAMPLE DUPLICATE: 2909603

Parameter	Units	10429238005 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/kg	359	533	39	30	D6,E
Motor Oil Range SG	mg/kg	ND	10.9		30	
n-Triacontane (S)	%.	90	103	13		
o-Terphenyl (S)	%.	90	108	18		

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALIFIERS

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10429025001	S-11145928-42418-DT-E7.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025002	S-11145928-42418-DT-E10.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025003	S-11145928-42418-DT-D38''	EPA 3550	535366	NWTPH-Dx	535891
10429025004	S-11145928-42518-DT-A20.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025005	S-11145928-42518-DT-A24.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025006	S-11145928-42518-DT-B19.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025007	S-11145928-42518-DT-B24.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025008	S-11145928-42518-DT-C15.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025009	S-11145928-42518-DT-C26.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025010	S-11145928-42518-DT-G15.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025011	S-11145928-42518-DT-G24.6'	EPA 3550	535366	NWTPH-Dx	535891
10429025012	S-11145928-42518-DT-H15.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025013	S-11145928-42518-DT-H23.0'	EPA 3550	535366	NWTPH-Dx	535891
10429025014	S-11145928-42518-DT-WASTE	EPA 3550	535366	NWTPH-Dx	535891
10429025001	S-11145928-42418-DT-E7.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025002	S-11145928-42418-DT-E10.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025003	S-11145928-42418-DT-D38''	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025004	S-11145928-42518-DT-A20.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025005	S-11145928-42518-DT-A24.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025006	S-11145928-42518-DT-B19.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025007	S-11145928-42518-DT-B24.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025008	S-11145928-42518-DT-C15.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025009	S-11145928-42518-DT-C26.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025010	S-11145928-42518-DT-G15.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025011	S-11145928-42518-DT-G24.6'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025012	S-11145928-42518-DT-H15.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025013	S-11145928-42518-DT-H23.0'	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025014	S-11145928-42518-DT-WASTE	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025015	Trip Blanks	NWTPH-Gx	535815	NWTPH-Gx	535869
10429025014	S-11145928-42518-DT-WASTE	EPA 3010	535605	EPA 6010	535805
10429025014	S-11145928-42518-DT-WASTE	EPA 7470A	535611	EPA 7470A	535751
10429025001	S-11145928-42418-DT-E7.0'	ASTM D2974	535247		
10429025002	S-11145928-42418-DT-E10.0'	ASTM D2974	535247		
10429025003	S-11145928-42418-DT-D38''	ASTM D2974	535247		
10429025004	S-11145928-42518-DT-A20.0'	ASTM D2974	535247		
10429025005	S-11145928-42518-DT-A24.0'	ASTM D2974	535247		
10429025006	S-11145928-42518-DT-B19.0'	ASTM D2974	535247		
10429025007	S-11145928-42518-DT-B24.0'	ASTM D2974	535247		
10429025008	S-11145928-42518-DT-C15.0'	ASTM D2974	535247		
10429025009	S-11145928-42518-DT-C26.0'	ASTM D2974	535247		
10429025010	S-11145928-42518-DT-G15.0'	ASTM D2974	535247		
10429025011	S-11145928-42518-DT-G24.6'	ASTM D2974	535247		
10429025012	S-11145928-42518-DT-H15.0'	ASTM D2974	535247		
10429025013	S-11145928-42518-DT-H23.0'	ASTM D2974	535247		
10429025014	S-11145928-42518-DT-WASTE	ASTM D2974	535247		
10429025014	S-11145928-42518-DT-WASTE	EPA 3520	535673	EPA 8270	536126

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11195928 P66M Wenatchee
Pace Project No.: 10429025

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10429025014	**S-11145928-42518-DT-WASTE**	EPA 8260B	535845		
10429025001	**S-11145928-42418-DT-E7.0'**	EPA 5035/5030B	535750	EPA 8260B	535864
10429025002	**S-11145928-42418-DT-E10.0'**	EPA 5035/5030B	535750	EPA 8260B	535864
10429025003	**S-11145928-42418-DT-D38''**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025004	**S-11145928-42518-DT-A20.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025005	**S-11145928-42518-DT-A24.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025006	**S-11145928-42518-DT-B19.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025007	**S-11145928-42518-DT-B24.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025008	**S-11145928-42518-DT-C15.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025009	**S-11145928-42518-DT-C26.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025010	**S-11145928-42518-DT-G15.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025011	**S-11145928-42518-DT-G24.6'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025012	**S-11145928-42518-DT-H15.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025013	**S-11145928-42518-DT-H23.0'**	EPA 5035/5030B	535885	EPA 8260B	536120
10429025015	**Trip Blanks**	EPA 5035/5030B	535909	EPA 8260B	536270

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed ac[curately]

WO# : 10429025
10429025

Section A Required Client Information:

Company:	GHD Services INC
Address:	
Email To:	Jeffery.Cloud@GHD.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	
Copy To:	Matt Davis matthew.Davis@GHD.com
Purchase Order No.:	
Project Name:	PGG Wenatchee
Project Number:	11145928

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Sylvia Hunter
Pace Profile #:	38815

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ______

Site Location STATE: ______

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

Preservatives: Unpreserved, H_2SO_4, HNO_3, HCl, NaOH, $Na_2S_2O_3$, Methanol, Other

Analysis Test: TPHg, TPHd, TPHo, BTEX, * VOC is contingency (PCB'S contingency), cPAHs, Naphthalenes, Additives (* contingency)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TPHg	TPHd	TPHo	BTEX	VOC	PCB'S	cPAHs	Naphthalenes	Additives	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	S-11145928-42418-DT-E 7.0'	S	G	4/24/18	1030														X	X	X	X			X	X	X		001
2	↓ -E 10.0'	↓	↓	↓	1050														X	X	X	X			X	X	X		002
3	↓ -D 38''	↓	↓	↓	1145														X	X	X	X			X	X	X		003
4	42518 -A 20.0'	↓	↓	4/25/18	0745														X	X	X	X	X	X	X	X	X		004
5	↓ -A 24.0'	↓	↓	↓	0800														X	X	X	X	X	X	X	X	X		005
6	↓ -B 19.0	↓	↓	↓	0845														X	X	X	X			X	X	X		006
7	↓ -B 24.0	↓	↓	↓	0930														X	X	X	X			X	X	X		007
8	↓ -C 15.0	↓	↓	↓	1045														X	X	X	X			X	X	X		008
9	↓ -C 26.0	↓	↓	↓	1100														X	X	X	X			X	X	X		009
10	↓ -G 15.0	↓	↓	↓	1245														X	X	X	X			X	X	X		010
11	↓ -G 24.6	↓	↓	↓	1300														X	X	X	X			X	X	X		011
12	See COC 2 of 2																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Contingency analyses if initial analytes exceed method (A)	D. Tindeny GHD [signature]	4.25.18		[signature] PACE	4/27/18	1000	2.6 / 5.3/5.0	Y	Y	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: D. Tindeny

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 4-25-18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2254902

Section A Required Client Information:

Company:	GHD Services INC
Address:	
Email To:	Jeffery.Cloud@GHD.com
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	
Copy To:	Matt Davis
	Matthew.Davis@GHD.com
Purchase Order No.:	
Project Name:	P&G Wenatchee
Project Number:	11145928

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	TPH GRO	DRO	MD	NWTPH GX	NWTPH DX	TCLP RCRA 8	TCLP Val/Semivo	BTEX	Comments	Naphthenes	Additives	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	S-11145928-42518-DT-H15.0	S	G	4/25	1345														X	X	X						X		012
2	↓ ↓ ↓ ↓ -H23.0	S	G		1400														X	X	X						X		013
3	↓ ↓ ↓ ↓ -Waste	S	G		1500														X	X	X	X	X	X	X		X		014
4	Trip blanks / Temp blanks			↓																									015
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Contingency Analyses if initial analyses exceed method (A)	D. Tulen GHD	4-25-18		JACE	4/27/18	1000	2.5 SOS	Y	Y	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: D. Tulen

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-25-18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 14Dec2017 Page 1 of 2
	Document No.: F-MN-L-213-rev.22	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt **Client Name:** GHD **Project #:** **WO#: 10429025**

PM: SH1 Due Date: 05/04/18
CLIENT: GHD

Courier: ☒Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐SpeeDee ☐Other:

Tracking Number: 7720 8775 7476, 7340 6859 (3 COOLERS)

Custody Seal on Cooler/Box Present? ☒Yes ☐No **Seals Intact?** ☒Yes ☐No **Optional:** Proj. Due Date: Proj. Name:

Packing Material: ☐Bubble Wrap ☒Bubble Bags ☐None ☐Other: **Temp Blank?** ☒Yes ☐No

Thermometer Used: ☐ 151401163 ☒ G87A9155100842 **Type of Ice:** ☒Wet ☐Blue ☐None ☐Dry ☐Melted

Cooler Temp Read (°C): 2.6, 5.6, 5.5 **Cooler Temp Corrected (°C):** 2.6, 5.6, 5.5 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A
Temp should be above freezing to 6°C **Correction Factor:** NONE **Date and Initials of Person Examining Contents:** lmw 4/27/18

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☒No
Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☒No
If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present?	☒Yes ☐No	1.
Chain of Custody Filled Out?	☒Yes ☐No	2.
Chain of Custody Relinquished?	☒Yes ☐No	3.
Sampler Name and/or Signature on COC?	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time?	☒Yes ☐No	5.
Short Hold Time Analysis (<72 hr)?	☐Yes ☒No	6.
Rush Turn Around Time Requested?	☐Yes ☒No	7.
Sufficient Volume?	☒Yes ☐No	8.
Correct Containers Used? -Pace Containers Used?	☒Yes ☐No ☒Yes ☐No	9.
Containers Intact?	☒Yes ☐No	10.
Filtered Volume Received for Dissolved Tests?	☐Yes ☐No ☒N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: SL	☐Yes ☒No	12. NO DATE/TIMES ON SAMPLES
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin.	☐Yes ☐No ☒N/A ☐Yes ☐No ☒N/A ☐Yes ☐No ☒N/A	13. ☐HNO_3 ☐H_2SO_4 ☐NaOH Positive for Res. Chlorine? Y N Sample # Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐Yes ☐No ☒N/A	14.
Trip Blank Present? Trip Blank Custody Seals Present? Pace Trip Blank Lot # (if purchased): 040218-3	☒Yes ☐No ☐N/A ☒Yes ☐No ☐N/A	15. MG 4/27/18

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Date/Time: **Field Data Required?** ☐Yes ☐No

Comments/Resolution:

Project Manager Review: Date: 5/1/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).