Environmental Assessment Report
Albany Auto Sales
235 Pacific Boulevard SW
LUST File 22-93-4155

Prepared for
Marlin and Kathleen Mitchell

August 2024

Parametrix

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Prepared for

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Certification

The technical material and data contained in this document were prepared under the supervision and direction of the undersigned, whose seal, as a registered geologist licensed to practice as such, is affixed below.

Shira DeGrood

Prepared by Shira DeGrood, R.G.

Expires 05/31/2025

Checked by Adam Romey, R.G.

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Acronyms and Abbreviations

µg/L	micrograms per liter
AST	aboveground storage tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CMS	conceptual site model
DEQ	Oregon Department of Environmental Quality
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
TPH	total petroleum hydrocarbons
PAH	polycyclic aromatic hydrocarbons
PCS	petroleum-contaminated soils
PID	photoionization detector
ppm	parts per million
RBC	risk-based concentration
TPH	total petroleum hydrocarbons
USCS	Unified Soil Classification System
UST	underground storage tank
VOC	volatile organic compound

1. Introduction

Parametrix prepared the following Environmental Assessment Report for the Albany Auto Sales site (the Site), located at 235 Pacific Boulevard SW in Albany, Oregon, on behalf of Marlin and Kathleen Mitchell (the Mitchells). The Site location is provided in Figure 1 and described in detail in Figure 2. This report addresses data gaps identified by the Oregon Department of Environmental Quality (DEQ), summarizes site investigation activities, provides a conceptual site model (CSM), and presents recommendations for corrective actions.

1.1 Regulatory Setting

In April 2019, the Mitchells requested information from DEQ regarding receiving a no further action determination for the Site. DEQ provided a technical memorandum, dated April 16, 2019, describing current data gaps and recommending additional soil and groundwater assessment (DEQ 2019). These data gaps and requested actions included:

- Surrounding properties: Provide a list of immediately adjacent property uses.
- Water quality: Perform a door-to-door survey of adjacent property owners west of the property to ensure that there are no groundwater users at risk from on-site petroleum releases.
- Sub-surface soil conditions: Install proposed borings.
- Utility locations: Note on-site utility locations.
- Land use: Identify reasonably likely future use.
- Provide documentation of removed petroleum-contaminated soil.
- Assess if groundwater was impacted by on-site petroleum releases.

1.2 Site Description

The Site, located at 235 Pacific Boulevard SW in Albany, Oregon, is comprised of one commercial property. This property is currently operated as Lopez Auto Detailing. The 0.24-acre, triangle-shaped parcel includes a commercial building and a paved parking lot, as depicted in Figure 2.

Neighboring properties include a commercial shopping building to the west and Central Elementary School to the north. Highway 99E is located adjacent to the eastern site boundary and runs from southwest to northeast. Albany Transit Station (MidState Petroleum, ECSI 1207) is located to the east of Highway 99E. The Willamette River is located approximately 0.65 miles north of the Site.

The Site is currently zoned as PB – PACIFIC BOULEVARD DISTRICT (City of Albany Ordinance 5832). This zone is described as “an auto-oriented commercial area along Pacific Boulevard in the Central Albany area. Design guidelines and front-yard landscaping will provide a coordinated look and enhance the community image along this major corridor as it develops or redevelops. Commercial infill and redevelopment are encouraged. Sound and visual buffers should be used to protect nearby residential areas.”

1.3 Site History

The Site operated under Albany Auto Sales from 1985 to 2015. The Site was purchased by Mr. Marlin and Ms. Kathleen Mitchell in August 1995; they leased the property to Albany Auto Sales. The Site is currently operated as an auto detailer and auto sales dealer.

Four underground storage tanks (USTs) were previously located on the site and were decommissioned in September 1993 by Environmental Science Associates on behalf of the previous property owners. USTs included:

- Tank 1 = 5,000-gallon gasoline UST
- Tank 2 = 5,000-gallon gasoline UST
- Tank 3 = 1,000-gallon diesel UST
- Tank 4 = 1,000-gallon waste oil UST

The location of each UST is described in Figure 2. Odor and staining were reported in the soils underlying Tanks 1 and 3 (see UST Decommissioning Report in Appendix A). Excavation floor samples (LRDAR-1 through LRDAR-8) were collected from approximately 1 foot below each UST in native material at the locations shown in Figure 3. An additional soil sample was collected from the northwest corner of the Tank 1 excavation (LRDAR-G) and from the northeast corner of the Tank 4 excavation (LRDAR-WO). A water sample was collected from the northern excavation (LRDAR-BTEX). Analytical data are provided in the UST Decommissioning Report (Appendix A). Soil analytical data are summarized in Table 1 and water analytical data are summarized in Table 2.

Because these samples were collected approximately 30 years ago, current concentrations of TPH-g, TPH-o, and benzene, toluene, ethylbenzene and total xylenes (BTEX) are expected to be lower than these reported concentrations due to natural attenuation.

In the northern excavation (Tanks 1 and 2), gasoline-range petroleum hydrocarbons were detected at concentrations of 1,311 milligrams per kilogram (mg/kg) and 60 mg/kg near the northern end of Tank 1 (samples LRDAR-1 and LRDAR-G, respectively). BTEX was present in standing water (sample LRDAR-BTEX).

In the southern excavation (Tanks 3 and 4), heavy oil-range petroleum hydrocarbons were detected at 28,400 mg/kg near the northeast end of Tank 4 (sample LRDAR-5). Toluene, ethylbenzene, total xylenes, and chlorobenzene were also detected at low concentrations in this sample.

1.4 Future Site Use

The Site is zoned as commercial improved. Because the Site is zoned for commercial use, future site use is expected to remain commercial. New proposed owners have been identified for this property. They plan to maintain the current building and site use. Minor upgrades to the existing building are planned for this property.

1.5 Adjacent Site Information

MidState Petroleum, a former bulk petroleum facility, is located to the east of the Site at 200 Pacific Boulevard SW. Multiple petroleum releases have occurred on this property, including releases of

gasoline, leaded gasoline, diesel, and heating oil.[1] In April 1994, the benzene concentration in groundwater was 6,900 micrograms per liter (µg/L) in well MW-11, which is located directly upgradient of the Site (see the figure provided in Appendix A). DEQ public records identify that subsurface soil and groundwater contamination issues remained at the site as of 2004 (BB&A 2004). No information is available in public records on the current status of cleanup associated with this property.

The Union Pacific Railroad Albany Yard property (ECSI 1978) is also located east (upgradient) of the Site. Union Pacific Railroad reportedly removed 900 tons of petroleum-contaminated soil from the Site in 1995.

Central Elementary School is located northwest (downgradient) of the Site and MidState Petroleum.

1.6 Regional and Local Hydrogeology

The Site is located in the Willamette Valley, which is an alluvial valley located between the Coast Range to the west and the Cascade Range to the east. The Calapooia River is located roughly 0.5 miles to the west and the Willamette River is roughly 0.75 miles to the northwest.

The soils in at the Site are mapped as Dayton silt loam. The Dayton series consists of very deep, poorly drained soils that formed in silty and clayey glaciolacustrine deposits (NRCS 2024). Dayton soils are on terraces with slopes 0% to 2% in regions with mean annual precipitation of about 42 inches. This very deep, well-drained soil was formed from silty glaciolacustrine deposits during the Missoula and Bonneville floods.

Well logs located within 1 mile of the Site show groundwater typically encountered between 8 to 15 feet below ground surface (bgs). Groundwater flows to the northwest toward the Willamette River. Known impacted groundwater flows northwest from the eastern-adjacent MidState Petroleum site, under the Site, and toward the western-adjacent Central Elementary School (see the gradient map in Appendix A).

2. Investigation Activities

This section describes the field activities conducted between 2020 and 2024 in accordance with the 2019 DEQ memo. Field activities included a site walk to identify the location of former fueling infrastructure, a groundwater beneficial use survey, and soil and groundwater sample collection.

The field survey and beneficial use survey were performed by Parametrix in 2024. The surveys are summarized below. Results of the field survey are provided in Figure 3.

The soil and groundwater sampling were conducted by Hudspeth Land+Water, who sampled soil and groundwater on October 23, 2020. Sample locations are shown in Figure 3, and analytical data are summarized in Tables 1 and 2. Appendix B contains borehole logs, field notes, and photographs provided by Hudspeth Land+Water. Analytical data packages are provided in Appendix C.

[1] Associated site identifiers include ECSI ID 1207 and LUST IDs 22-90-4019, 22-90-4119; 22-04-1385; 22-91-4117.

2.1 Site Map Development

On June 6, 2024, a site walk was conducted by Parametrix to develop the site map. The site owner, who was present when the fueling pumps and distribution lines were removed, identified concrete pads and asphalt patches that mark where these site features and the USTs were formerly located.

A GPS unit was used to locate and marks were left showing the locations of the 2020 borehole sample locations, former distribution line, former gas station pumps, excavation pits, and utility lines. Site features are shown on Figures 2 and 3. Utility lines servicing the Site's building were present in the parking lot west of the Site and were not noted within the property boundaries.

2.2 Groundwater Beneficial Use Survey

A door-to-door survey was conducted by Parametrix for adjacent property owners located west of the Site to identify current uses of groundwater. Initial phone calls were conducted with residents on June 4, 2024. Canvasing included residences and businesses located along SW 11th Avenue, SW Ferry Street, and SW 12th Avenue. A flyer indicating the purpose of the survey was provided on the doors of residents that did not respond to knocking on doors.

All responders indicated that they received water from the City and that they did not have a private well on their property, as summarized below:

Address	Date/Time Contacted	Response.
318 SW 11th Ave	6/4/24 10:30	Talked with the resident regarding water usage at their property. Resident informed Parametrix that they do not use a private well for irrigation for drinking water.
320 SW 11th Ave	6/4/24 10:33	Left flyer on door. No response.
1105 SW Ferry St	6/4/24 10:37	Left flyer on door. No response.
1121 SW Ferry St	6/4/24 10:42	Talked with resident regarding water usage on their property. Resident informed Parametrix that they did not use any private wells for irrigation or drinking water.
1131 SW 12th Ave	6/4/24 10:49	Left flyer on the door. No response.
327 SW 12th Ave	6/4/24 10:52	Talked with resident regarding water usage on their property. Resident informed Parametrix that they do not use a private well for irrigation or drinking water.
321 SW 12th Ave	6/4/24 10:56	Left flyer on the door. Received email response to letter on June 6, 2024. Resident informed Parametrix that no private irrigation or drinking water wells were currently being used at this property.
309 SW 12th Ave	6/4/24 10:57	Left flyer on door. No response.

2.3 Borehole Advancement and Sample Collection

On October 23, 2020, Cascade Environmental, under the direction of a Hudspeth Land+Water geologist, advanced seven boreholes (B1 through B7) using a Geoprobe direct push drill rig. Total borehole depths ranged from 3 feet bgs to 23 feet bgs. Borehole B1 was advanced in the vicinity of the former waste oil and diesel USTs. Boreholes B2 through B5 were advanced in the vicinity of

former distribution lines and fuel pumps. Boreholes B6 and B7 were advanced to the northwest of the former gasoline USTs.

Soils were logged by a Hudspeth Land+Water geologist following the Unified Soil Classification System (USCS). Organic vapors were field-measured using a calibrated photoionization detector (PID). Borelogs, field notes, and a photographic log are provided in Appendix B.

Soil samples were collected from 3 feet bgs in each borehole except for B7. Up to one additional soil sample was collected at depths where PID readings indicated that elevated volatile organic compounds (VOCs) were present. Soil sample depths and associated PID concentrations are summarized in Table 1. Soil samples were collected by a Hudspeth Land+Water geologist by placing soil into laboratory-provided sample containers.

Groundwater was encountered in boreholes B1, B6, and B7 at depths of 13.5, 11.5, and 18 feet bgs, respectively (Table 2). Groundwater samples were collected from each of these boreholes and placed in laboratory-provided sample jars.

2.4 Laboratory Analysis

Soil and groundwater samples were analyzed for one or more of the following by Apex Laboratories in Tigard, Oregon:

- Diesel-range and oil-range total petroleum hydrocarbons (TPHs) by method NWTPH-Dx.
- Gasoline-range total petroleum hydrocarbons (TPHs) by method NWTPH-Gx.
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270E SIM.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8260D.
- VOCs, including full-list or selected-list, by EPA method 8260D.
  - → Selected-list includes BTEX, methyl tert-butyl ether, naphthalene, 1,2-dibromoethane, 1,2-dichloroethane, isopropylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.

3. Results

3.1 Field Results

PID readings are recorded on the borelogs (Appendix B). PID concentrations were generally less than 10 parts per million (ppm). Additional soil samples were collected at depths where PID concentrations exceeded 100 ppm, including:

- B3 at approximately 3 feet bgs = 498 ppm.
- B6 at approximately 13 to 14 feet bgs: 386 and 275 ppm, respectively.
- B7 at approximately 13 feet bgs = 1,370 ppm.

3.2 Analytical Results

Analytical data for soil and groundwater are summarized in Tables 1 and 2, respectively. Laboratory data packages are provided in Appendix C.

The following analytes were detected in soil:

- TPH-d was detected at location B2 at 6 feet bgs (27.6 mg/kg) and at location B7 at 13 feet bgs (51.1 mg/kg).
- TPH-g was detected at location B6 at 13 feet bgs (76.0 mg/kg) and at location B7 at 13 feet bgs (215 mg/kg).
- Naphthalene and phenanthrene were detected in B1 at 17.5 feet bgs (0.0154 mg/kg and 0.0129 mg/kg, respectively).

The following analytes were detected in groundwater:

- 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, and vinyl chloride were detected at location B1 (1.54 micrograms per liter [µg/L)], 2.07 µg/L, 9.82 µg/L, and 1.80 µg/L respectively).
- TPH-g, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride were detected at location B6 (357 µg/L, 3.46 µg/L, 5.85 µg/L, 27.8 µg/L, 0.720 µg/L, and 4.84 µg/L, respectively).
- TPH-g, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride was detected at location B7 (301 µg/L, 3.72 µg/L, 6.77 µg/L, 30.2 µg/L, 0.820 µg/L, and 5.81 µg/L, respectively).

4. Conceptual Site Model

This section provides the Site's CSM, which incorporates the current understanding of the nature and extent of constituents of potential concern (COPCs) associated with the Site and the upgradient MidState Petroleum site. The updated CSM is depicted in Figure 4.

4.1 Sources

On-site former USTs. TPHs were present in shallow soil and in excavation floor samples in the vicinity of Tanks 1 and 2 during UST removal in 1993. TPH-g concentrations up to 1,300 mg/kg were present at the northern end of Tank 1, and TPH-o concentrations of 28,400 mg/kg were present at the western end of Tank 4. The nature and extent of impacts suggests that shallow impacts are due to leaks and spills from former Tank 1 (gasoline) and former Tank 4 (waste oil).

Upgradient groundwater migration. Known groundwater impacts related to releases on the MidState Petroleum site have migrated to the northwest, under the Site (see former benzene extent, provided in Appendix A). Detected concentrations of TPH-g and TPH-d in soil at 13 feet bgs may be related to sorbtion from groundwater transport. In addition, VOCs detected in groundwater consisted of chlorinated solvents, which were not present in soil on the Site, suggesting an upgradient source of these constituents.

4.2 Exposure Pathway and Receptors

4.2.1 Soil

Soil exposure pathways include:

1. Soil ingestion, dermal contact, and inhalation by construction or excavation workers. Direct contact for occupational receptors is incomplete, as the site is paved and site operations consist of automotive-related services which do not include ground disturbance.
2. Inhalation by on-site occupational receptors (volatilization to outdoor air).
3. Inhalation by on-site occupational receptors (vapor intrusion into buildings).

Leaching to groundwater for adjacent residential receptors is considered incomplete. The beneficial use survey confirms that groundwater in the vicinity of the Site is not used as drinking water or irrigation water.

4.2.2 Groundwater

Groundwater exposure pathways include:

1. Direct contact with groundwater in excavation by construction or excavation workers.
2. Inhalation by downgradient residential receptors or on-site occupational receptors (volatilization to outdoor air).
3. Inhalation by on-site occupational receptors (vapor intrusion into buildings).

Ingestion and inhalation from tapwater is considered incomplete. The beneficial use survey confirms that groundwater in the vicinity of the Site is not used as drinking water or irrigation water.

4.3 Comparison to Risk-Based Concentrations

Concentrations of detected analytes were compared to Oregon Risk-Based Concentrations (RBCs) for the complete pathways described above. The applicable RBCs are the May 2018 update, as the most recent sample program was initiated in 2019 and sample collection occurred in 2020.

Concentrations of analyzed compounds were non-detect or less than the applicable RBCs in soil and groundwater (Tables 1 and 2), except for one detection of TPH-o in 1993. Available data suggests that TPH-o concentrations have either attenuated over time or are limited to a small area in the immediate vicinity of the former waste oil UST (Tank 3). In 1993 soil sample LRDAR-5, located adjacent to former Tank 3, TPH-o was reported at 28,400 mg/kg, which exceeds the 2018 RBC of 11,000 mg/kg. However, TPH-o was non-detect in soil samples (3 and 17.5 feet bgs) and groundwater samples collected from B1 in 2020, located adjacent to LRDAR-5 (Figure 3). In addition, PAH concentrations in location B1 were non-detect in groundwater and in shallow soil (3 feet bgs) and less than 0.02 mg/kg at 17.5 feet bgs.

4.4 Proposed Remedy

As noted above, the 2020 soil and groundwater data results (Tables 1 and 2) suggest that residual low-level petroleum hydrocarbons or related compounds are present but are lower than the

applicable DEQ RBCs for the Site. Although groundwater concentrations slightly exceed the DEQ drinking water RBC, the beneficial use survey confirms this exposure pathway is incomplete at the Site. In addition, low-level chlorinated solvents (lower than RBCs) were detected in groundwater on the Site, but they do not appear to be associated with on-site operations.

Based on this information, Parametrix recommends the following:

- Groundwater use in the vicinity of the Site be restricted to prevent ingestion or inhalation of shallow groundwater to support the conditions of the CSM. The groundwater use restriction can take the form of a formal deed restriction or easement and equitable servitude agreement.
- Site use is to remain commercial, in compliance with the current zoning for this area of PB. Additional mitigation measures would be necessary if zoning changes for this property to allow for residential use.
- Prior to ground disturbance in the vicinity of the former waste oil UST (Tank 3), a contaminated media management plan should be developed in the event that soil impacted with oil-range petroleum is encountered.

5. Conclusions and Recommendations

Parametrix prepared this report to address data gaps identified by DEQ, to summarize site investigation activities, provide a CSM, and provide recommendations for further actions. In conclusion:

- Four USTs were removed from the Site in September 1993. Two gasoline USTs were located in the northern portion of the Site. A diesel UST and a waste oil UST were located in the southern portion. Gasoline-range hydrocarbons were present in soil, and BTEX was present in standing water within the northern excavation. Heavy oil-range hydrocarbons were present in soil within the southern excavation. Detected concentrations were less than the applicable RBCs. Current concentrations of petroleum hydrocarbons and BTEX are expected to be lower due to natural attenuation over time.
- The planned future use for this site is auto detailing or similar commercial services. No changes to receptors is expected. An asphalt surface will be maintained on the site; the surface will restrict surface water infiltration and leaching of residual petroleum impacts remaining in shallow soil on-site.
- The previous locations of USTs and fueling infrastructure were determined based on information provided by the site owners, who were present during the UST removal in 1993. A hand-held GPS unit was used to log the location of the former excavation areas, distribution lines, and fueling stations.
- Ingestion and inhalation from tapwater is not a pathway of concern for the Site. At the request of DEQ, a door-to-door beneficial use survey was conducted at properties located to the north and west of the Site. The survey was conducted using phone calls, flyers, and knocking on doors. Information received confirms that local residents use city water for drinking and irrigation and that domestic water wells are not present in this area.
- Soil samples were collected from seven locations at depths ranging from 3 to 23 feet bgs in October 2020 in the vicinity of distribution lines, fueling stations, near former Tank 4, and

near former Tank 1. Samples were analyzed for TPHs, selected VOCs, and/or PAHs. Analytes were not detected in most samples. TPH-g, TPH-d, and select PAHs were detected in one or more samples at concentrations less than the applicable RBCs.

- Groundwater was encountered in three boreholes; grab groundwater samples were collected from these locations. Samples were analyzed for TPHs, VOCs, and/or PAHs. TPH-g and chlorinated VOCs were detected in groundwater at concentrations less than the applicable RBCs.

Based on the results of this analysis, Parametrix recommends the following:

- Restrict groundwater use at the Site to prevent ingestion or inhalation of shallow groundwater by recording an easement and equitable servitude agreement to maintain this institutional control.
- Develop a contaminated media management plan prior to ground-disturbing activities in the vicinity of former Tank 3.
- Maintain current zoning as PB – Pacific Boulevard District.

6. References

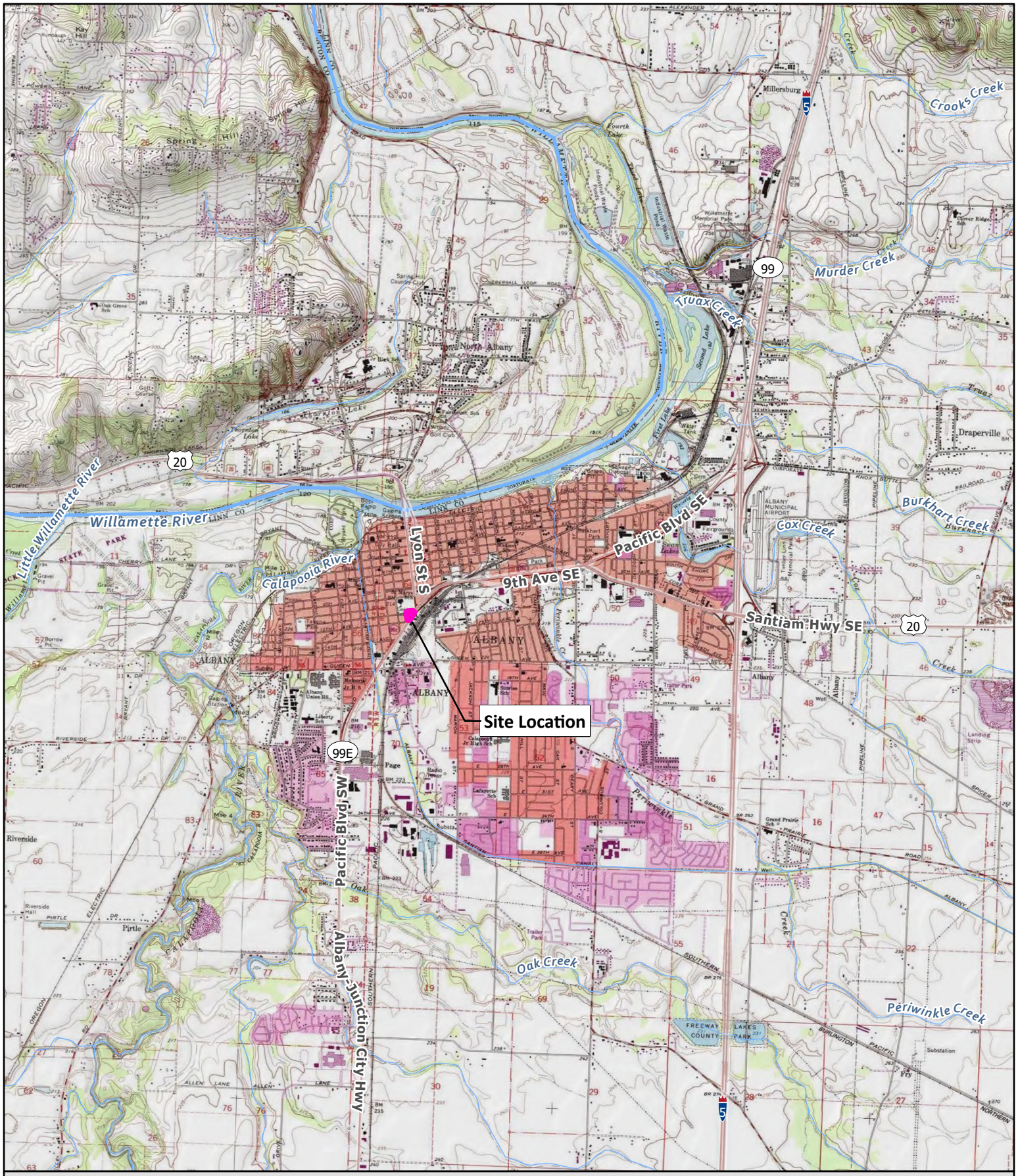
BB&A (Bergeson-Boese & Associates, Inc.). 2004. UST Decommissionings, Monitoring Well Abandonments, and Soil Sampling Results, Albany Transportation Project, Albany, Oregon, T11S, R3W, Sec 7, Tax Lots 3600 and 4500, ECSI 3115. October 14, 2004.

DEQ (Oregon Department of Environmental Quality). 2019. Environmental Assessment needed for Petroleum Leak at Albany Auto Sales.

DEQ. 2018. Risk-Based Concentrations for Individual Chemicals, May 2018 revision.

NRCS (Natural Resources Conservation Service). 2024. Web Soil Survey. United States Department of Agriculture. Accessed July 24, 2024.https://websoilsurvey.nrcs.usda.gov/app/.

Figures



Date: 5/17/2024
Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes.

Property Location

Figure 1 - Location Map
Albany Auto Sales

0 0.25 0.5 1 Miles

Linn County, OR

Date: 7/15/2024
Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes.

2020 Borehole Sample
Former Gas Pump
Monitoring Well
Former Distribution Line
Property Location
1993 Excavation samples

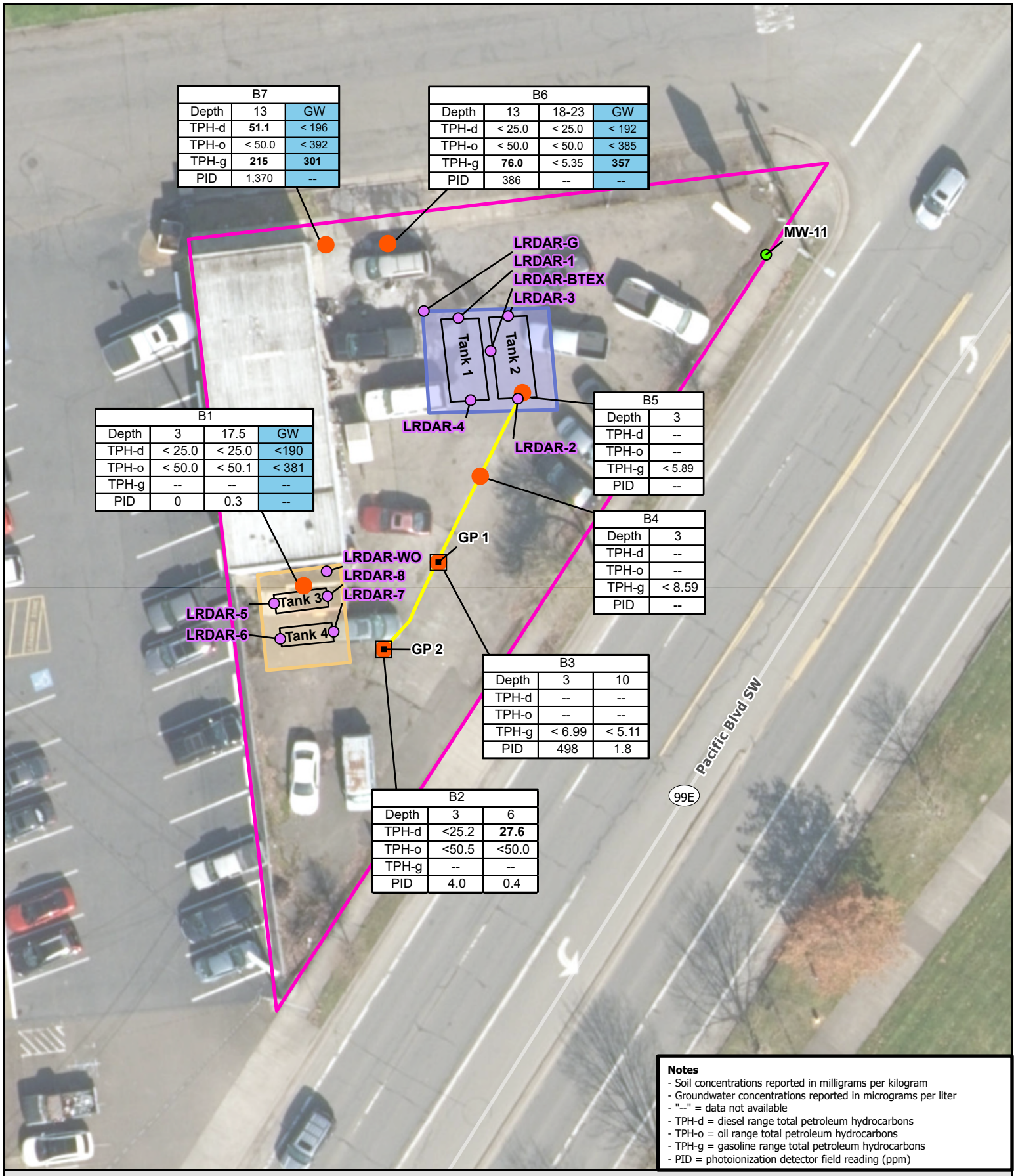
Excavation Area

Waste Oil and Diesel Tank Excavation
Gasoline Tank Excavation
Former Tank

0 10 20 40 Feet

Figure 2 -
Borehole Sample Locations
Albany Auto Sales

Linn County, OR



Notes
- Soil concentrations reported in milligrams per kilogram
- Groundwater concentrations reported in micrograms per liter
- "--" = data not available
- TPH-d = diesel range total petroleum hydrocarbons
- TPH-o = oil range total petroleum hydrocarbons
- TPH-g = gasoline range total petroleum hydrocarbons
- PID = photoionization detector field reading (ppm)

Date: 7/22/2024
Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes.

Borehole ID		
Depth	(Ft)	Groundwater Sample
TPH-d	--	--
TPH-o	--	--
TPH-g	--	--
PID	--	--

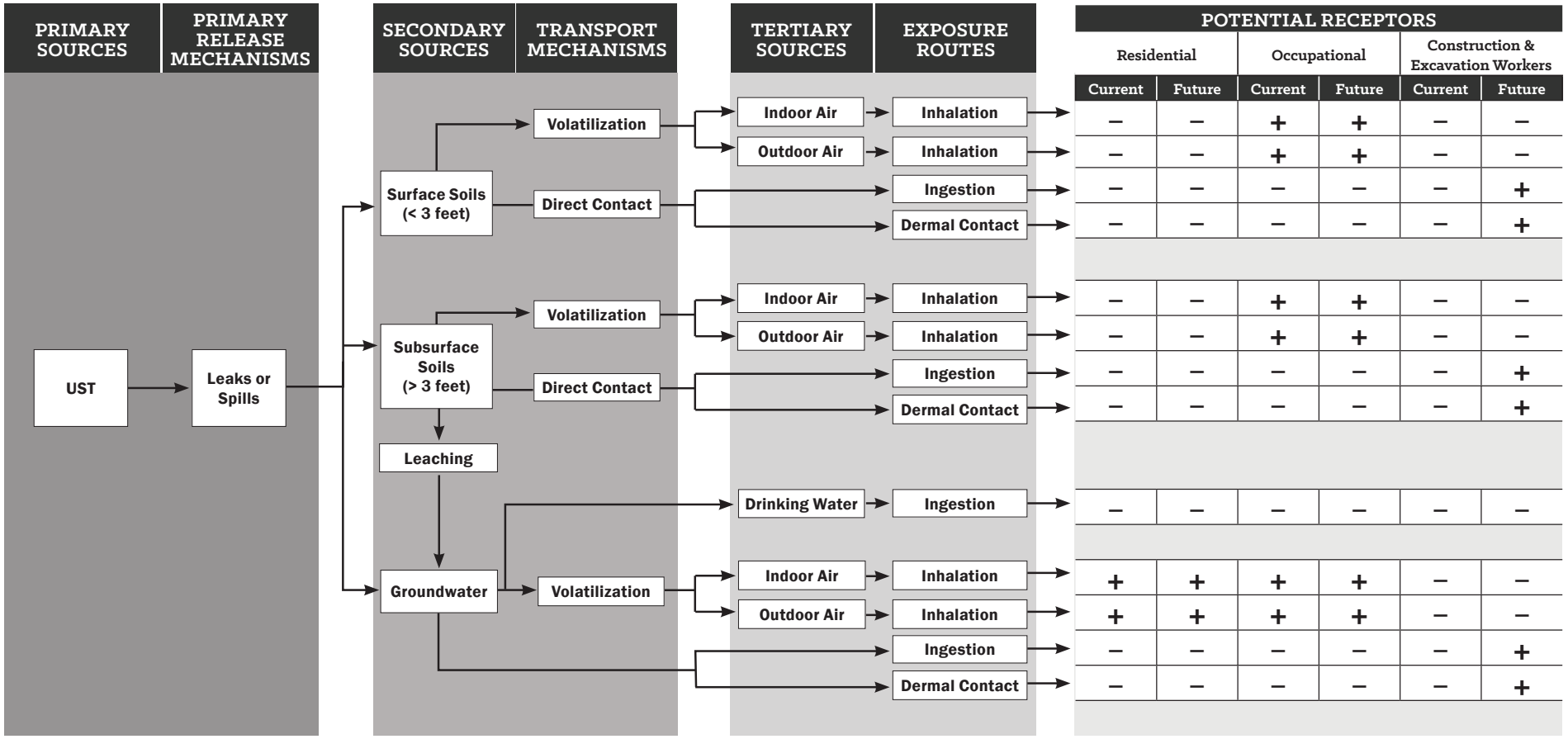
0 10 20 40 Feet

- 2020 Borehole Sample
- Former Gas Pump
- Monitoring Well
- Former Distribution Line
- Property Location
- 1993 Excavation Sample

Excavation Area
- Waste Oil and Diesel Tank Excavation
- Gasoline Tank Excavation
- Former Tank

Figure 3 - Chemical Analysis Results
Albany Auto Sales

Linn County, OR



POTENTIAL RECEPTORS					
Residential		Occupational		Construction & Excavation Workers	
Current	Future	Current	Future	Current	Future
–	–	+	+	–	–
–	–	+	+	–	–
–	–	–	–	–	+
–	–	–	–	–	+
–	–	+	+	–	–
–	–	+	+	–	–
–	–	–	–	–	+
–	–	–	–	–	+
–	–	–	–	–	–
+	+	+	+	–	–
+	+	+	+	–	–
–	–	–	–	–	+
–	–	–	–	–	+

NOTES:

+ Complete Exposure Pathway

– Incomplete Exposure Pathway

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Figure 4

Conceptual Site Model

Albany Auto Sales

Tables

Table 1. Summary of Soil Analytical Results

Sample Location	Sample Matrix	Sample Date	Sample Depth (ft bgs)	PID Reading (ppm)	TPHs			BTEX			Select VOCs	Full List VOCs	PAHs	
					TPH-d	TPH-o	TPH-g	Toluene	Ethylbenzene	Total Xylenes		Chlorobenzene	Naphthalene	Phenanthrene
Soil Ingestion, Construction and Excavation Workers					**4,600**	**11,000**	**9,700**	**28,000**	**1,700**	**20,000**	**--**	**4,700**	**580**	**--**
Soil Volatilization to Indoor Air, Occupational					**--**	**--**	**--**	**--**	**17**	**--**	**--**	**--**	**83**	**--**
Soil Volatilization to Outdoor Air, Occupational					**--**	**--**	**69,000**	**--**	**160**	**--**	**--**	**--**	**83**	**--**
LRDAR - 1	Soil	9/20/1993	Floor	--	< 25.0	--	**1,311**	--	--	--	--	--	--	--
LRDAR - 2	Soil	9/20/1993	Floor	--	< 25.0	--	< 10.0	--	--	--	--	--	--	--
LRDAR - 3	Soil	9/20/1993	Floor	--	< 25.0	--	< 10.0	--	--	--	--	--	--	--
LRDAR - 4	Soil	9/20/1993	Floor	--	< 25.0	--	< 10.0	--	--	--	--	--	--	--
LRDAR - 5	Soil	9/20/1993	Floor	--	< 25.0	**28,400**	< 10.0	**0.028**	**0.011**	**0.178**	--	**0.048**	--	--
LRDAR - 6	Soil	9/20/1993	Floor	--	< 25.0	--	< 10.0	--	--	--	--	--	--	--
LRDAR - 7	Soil	9/20/1993	Floor	--	< 25.0	--	< 10.0	--	--	--	--	--	--	--
LRDAR - 8	Soil	9/20/1993	Floor	--	< 25.0	--	< 10.0	--	--	--	--	--	--	--
LRDAR-WO	Soil	10/18/1993	Floor	--	ND			--	--	--	--	--	--	--
LRDAR-G	Soil	10/18/1993	Floor	--	--	--	**60**	--	--	--	--	--	--	--
B1	Soil	10/23/2020	3	0	< 25.0	< 50.0	--	< 0.0880	< 0.0440	< 0.0880	--	< 0.0440	< 0.0125	< 0.0125
B1	Soil	10/23/2020	17.5	0.3	< 25.0	< 50.1	--	< 0.0686	< 0.0343	< 0.0686	--	< 0.0343	**0.0154**	**0.0129**
B2	Soil	10/23/2020	3	4.0	< 25.2	< 50.5	--	< 0.0663	< 0.0332	< 0.0995	--	--	< 0.0125	< 0.0125
B2	Soil	10/23/2020	6	0.4	**27.6**	< 50.0	--	< 0.0581	< 0.0290	< 0.0871	--	--	< 0.0113	< 0.0113
B3	Soil	10/23/2020	3	498	--	--	< 6.99	--	--	--	--	--	--	--
B3	Soil	10/23/2020	10	1.8	--	--	< 5.11	< 0.0511	< 0.0255	< 0.0511	--	< 0.0255	< 0.0108	< 0.0108
B4	Soil	10/23/2020	3	--	--	--	< 8.59	< 0.0859	< 0.0430	< 0.129	ND	--	--	--
B5	Soil	10/23/2020	3	--	--	--	< 5.89	< 0.0589	< 0.0294	< 0.0883	ND	--	--	--
B6	Soil	10/23/2020	13	386	< 25.0	< 50.0	**76.0**	< 0.0533	< 0.0267	< 0.0533	--	< 0.0267	< 0.0111	< 0.0111
B6	Soil	10/23/2020	18-23	--	< 25.0	< 50.0	< 5.35	< 0.0535	< 0.0268	< 0.0535	--	< 0.0268	< 0.0114	< 0.0114
B7	Soil	10/23/2020	13	1,370	**51.1**	< 50.0	**215**	< 0.0579	< 0.0289	< 0.0579	--	< 0.0289	< 0.0116	< 0.0116

Notes:

Concentrations reported in milligrams per kilogram

Includes analytes detected in one or more sample. Unlisted analytes were non-detect in all samples.

Select VOCs includes BTEX, methyl tert-butyl ether, naphthalene, 1,2-dibromoethane, 1,2-dichloroethane, isopropylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene

Bold values = detected concentration

-- = not analyzed or sample not collected

< = not detected at or above the laboratory reporting limit

BTEX = benzene, toluene, ethylbenzene, and total xylenes

ft bgs = feet below ground surface

ND = concentrations non-detect for all analytes

PAH = polycyclic aromatic hydrocarbon
PID = photoionization detector
ppm = parts per million
RBC = Oregon Risk-Based Concentrations for Individual Chemicals, updated May 2018
TPH = total petroleum hydrocarbons
TPH-d = total petroleum hydrocarbons, diesel range
TPH-g = total petroleum hydrocarbons, gasoline range
TPH-o = total petroleum hydrocarbons, oil range
VOCs = volatile organic compounds
Floor = excavation floor sample collected from native material, approximately 1 foot below underground storage tank.

Table 2. Summary of Groundwater Analytical Results

Sample Location	Sample Matrix	Sample Date	Sample Depth (ft bgs)	TPHs			VOCs									PAHs
				TPH-d	TPH-o	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	
Groundwater in Excavation, Construction and Excavation Workers				--	--	14,000	1,800	220,000	4,500	23,000	10,000	44,000	18,000	180,000	960	--
Volatilization to Outdoor Air, Residential				--	--	--	3,100	--	9,900	--	16,000	570,000	--	--	350	--
Volatilization to Outdoor Air, Occupational				--	--	--	14,000		43,000	--	68,000	2,400,000	--	--	430	--
Volatilization to Indoor Air, Commercial				--	--	--	2,000	-	8,200	-	14,000	360,000	-	-	880	--
LRDAR-BTEX	UST Pit Water	10/18/1993	n/a	--	--	--	**575**	**1,640**	**344**	**4,590**	--	--	--	--	--	--
B1	Groundwater	10/23/2020	13.5	< 190	< 381	--	< 0.200	< 1.00	< 0.500	< 1.00	**1.54**	**2.07**	**9.82**	< 0.400	**1.80**	ND
B6	Groundwater	10/23/2020	11.5	< 192	< 385	**357**	< 0.200	< 1.00	< 0.500	< 1.00	**3.46**	**5.85**	**27.8**	**0.720**	**4.84**	ND
B7	Groundwater	10/23/2020	18	< 196	< 392	**301**	< 0.200	< 1.00	< 0.500	< 1.00	**3.72**	**6.77**	**30.2**	**0.820**	**5.81**	ND

Notes:

Concentrations reported in micrograms per liter

Includes analytes detected in one or more sample. Unlisted analytes were non-detect in all samples.

Bold values = detected concentration

Highlight = concentration exceeds one or more RBC

-- = not analyzed or sample not collected

< = not detected at or above the laboratory reporting limit

ft bgs = feet below ground surface

ND = concentrations non-detect for all analytes

PAH = polycyclic aromatic hydrocarbon

RBC = Oregon Risk-Based Concentrations for Individual Chemicals, updated May 2018

TPH = total petroleum hydrocarbons

TPH-d = total petroleum hydrocarbons, diesel range

TPH-g = total petroleum hydrocarbons, gasoline range

TPH-o = total petroleum hydrocarbons, oil range

VOCs = volatile organic compounds

Appendix A

1993-1994 Excavation Documentation and Groundwater Conditions

Oregon Department of Environmental Quality

UNDERGROUND STORAGE TANK DECOMMISSIONING/SERVICE CHANGE REPORT

DEQ FACILITY NUMBER: 11294 MP

DATE: 10-4-93

FACILITY NAME: Albany Auto Sales

FACILITY ADDRESS: 235 South Pacific Blvd

Albany, OR

PHONE: 757-0728

The following information MUST be submitted by the underground storage tank owner, operator or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or changing tank contents to a non-regulated substance. (OAR 340-150-001 though -150)

The attached supplemental checklist should be prepared by the person performing the decommissioning or service change. The checklist should be provided to DEQ and the tank owner to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Owners who wish to personally decommission a tank or change service must follow all DEQ and other applicable standards. The owner should contact the DEQ Regional Office prior to starting the work to receive current copies of underground storage tank regulations.

A. DATES:

Decommissioning/Service Change Notice - Date Submitted: 7-15-93 (30 days before work starts)

Work Start Telephone Notice - Date Submitted: 9-13-93 (3 working days before work starts)

DEQ Person Notified: James Glass

Date Work Started: 9-16-93

Date Work Completed: 9-17-93

Note: Provide the following information if any soil or water contamination is found during the decommissioning or service change. Contamination must be reported by the UST owner or operator within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 9-17-93 By: Steven LaFranchi

DEQ Person Notified: James Glass

Backfill Telephone Notice - Date Called: 10-7-93 (before backfilling)

DEQ Person Notified: James Glass

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B. PERMITS:

Note: DEQ permits or an addendum to the UST permit(s) may be needed where soil or water cleanup is required.

DEQ Water Discharge Permit #: _____ Date: _____

Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

B. PERMITS (Continued)

UST Soil Treatment Permit Addendum - Type: _____ Date: _____

Soil Disposal or Treatment Location: Oregon Hydrocarbon

C. TANK INFORMATION:

Tank #	DEQ UST Permit	Tank Size in (Gallons)	Product: Gasoline, Diesel, Used Oil, Other?		Closure or Service Change?			Tank to be Replaced?	
			Present	New	Tank Removal	Closure∞ Inplace	Other∞ Use	Yes*	No
1		5000	Gas		✓				✓
2		5000	Gas		✓				✓
3		1000	#2 Diesel		✓				✓
4		1000	Waste oil		✓				✓

* Where decommissioned tank(s) are replaced by new underground storage tanks the UST owner or operator must submit a new permit application containing information on the new tanks 30 days before placing them in service.

∞ Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

D. DISPOSAL INFORMATION:

Tank #	Tank & Piping Disposal Method				Disposal Location of Tank Contents *	
	Scrap	Land-fill	Other	Identify Location & Property Owner	Liquids	Sludges
1			✓	31363 Waterloo Rd. Waterloo, OR Claude Breshears	NA	NA
2			✓	"	NA	NA
3			✓	"	NA	NA
4	✓			Cherry City Recycling Salem, OR	NA	NA

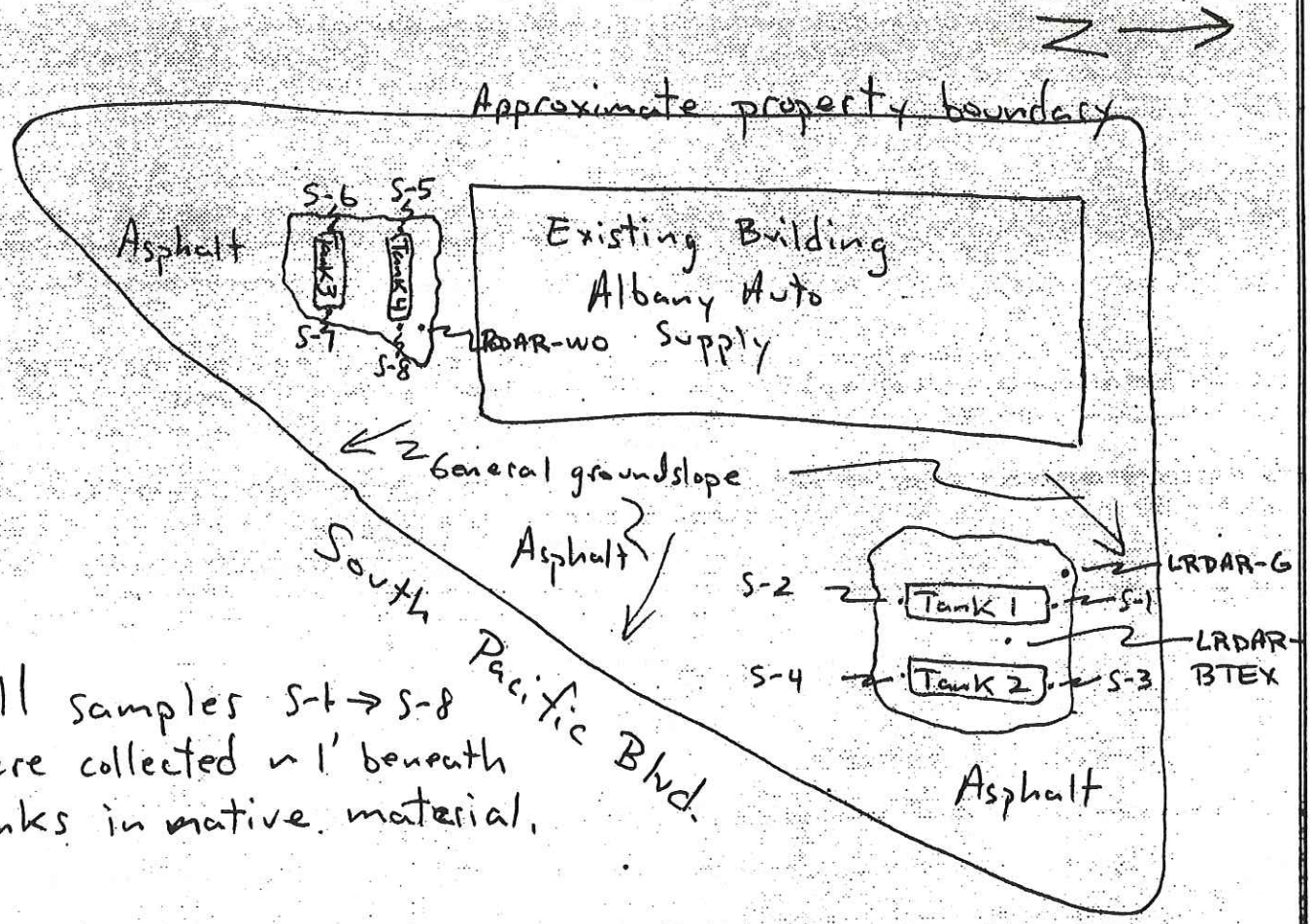
* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ Hazardous Waste Section at (503) 229-5913 or DEQ regional office hazardous waste staff.

E. CONTAMINATION INFORMATION:

Tank #	Ground* water in pit?	Product odor in soil?	Product stains in soil?	Number of Samples	Laboratory (Name, City, State, Phone)
1	NO	YES	YES	2	Anatek Labs Moscow, Idaho (208) 883-2839
2	NO	NO	NO	2	"
3	NO	YES	YES	2	"
4	NO	NO	NO	2	"

* Note: Sampling is required if groundwater is encountered. See cleanup rules.

F. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispenser, & all USTs) (Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)



G. WORK PERFORMED BY:

DEQ Service Provider's License #: 2317 Construction Contractors License #: 72663

Name: Tank Specialties, Inc.

Telephone: 873-3050

DEQ Decommissioning Supervisor's License #: 2316

Name: Jeff Pike

Telephone: 873-3050

DEQ Soil Matrix Service Provider's License #: 11133 (If applicable)

Name: Environmental Science Associates, Inc.

Telephone: 683-4997

DEQ Soil Matrix Supervisor's License #: 2347 (If applicable)

Name: Steven LaFranchi

Telephone: 683-4997

H. ATTACHMENTS TO THIS REPORT:

1. Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QL information. Include laboratory name, address and copies of chain-of-custody forms.

2. If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is selected attach a copy of the soil matrix analysis for the site including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

I. REPORT FILING:

This report, signed by the tank owner or operator, complete with all applicable attachments must be filed with DEQ headquarters within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets or contamination, etc.).

NOTE: If contamination was found during site assessment at decommissioning or change-in-service and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Return Completed and Signed Form to: Department of Environmental Quality
UST Program - Decommissioning Report
811 S.W. Sixth Ave.
Portland, Oregon 97204

Or FAX Completed and Signed Form to: (503) 229-6954

I have personally reviewed this report and the attachments and find them to be true and complete.

Signature: [signature] Date: 10/5/93

(Owner or Operator)

For information: (503) 229-5733 or Toll Free in Oregon UST HELPLINE 1-800-742-7878

Oregon Department of Environmental Quality

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST

DEQ FACILITY NUMBER: 11294 AQF DATE: 10-4-93

FACILITY NAME: Albany Auto Sales

FACILITY ADDRESS: 235 South Pacific Blvd
Albany, OR

PHONE: 757-0728

A. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher: Type/Size: ABC 2016 — Recharge Date: 9/15/93

Combustible Gas Detector: Model: Combo 454 — Calibration Date: 8/17/93

Oxygen Analyzer: Model: Combo 454 — Calibration Date: 8/17/93

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable) (Check Appropriate Box)

	Yes	No	Unk	N/A
1. All electrical equipment grounded and explosion proof?				✓
2. Safety equipment on job site?	✓			
3. Overhead electrical lines located?	✓			
4. Subsurface electrical lines off or disconnected?	✓			
5. Natural gas lines off or disconnected?				✓
6. No open fires or smoking material in area?		✓		
7. Vehicle and pedestrian traffic controlled?	✓			
8. Excavation material area cleared?	✓			
9. Rainwater runoff directed to treatment area?				✓
10. Drained and collected product from lines?				✓
11. Removed product and residual from tank?				✓
12. Cleaned tank?				✓
13. Excavated to top of tank?	✓			
14. Removed tank fixtures? (pumps, leak detection equip.	✓			
15. Removed product, fill and vent lines?				✓

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C. TANK ABANDONMENT IN-PLACE:

16. Sampling plan approved by DEQ?
Date: _____ DEQ Staff: _____

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable)
(Check Appropriate Box)

Yes	No	Unk	N/A
	✓		

17. Contamination concerns fully resolved?

18. Fill Material? Type: Bar-run

D. TANK REMOVAL:

✓			
✓			
	✓		
✓			
✓			
✓			

19. Tank placement area cleared, chocks placed?

20. Purged or ventilated tank to prevent explosion?
Method used: CO_2 Meter reading: _____

21. No chains or steel cables wrapped around tank for removal?

22. Tank removed, set on ground, blocked to prevent movement?

23. Tank set on truck and secured with strap(s)?

24. Tank labeled before leaving site?

E. SITE ASSESSMENT:

✓			
✓			
✓			
✓			
✓			
			✓

25. Site assessed for contamination? See OAR 340-122-340

26. Soil samples taken and analyzed?

27. Decommissioning/Change-in-Service report sent to DEQ?

28. Was contamination found? Date/Time: 9-27-93 / 1645

29. Was contamination reported to DEQ? By: Steven LaFranchi
Date/Time: 9-17-93/1545 DEQ Staff: Jim Glass

30. Was hazardous waste determination made for tank contents (Liquids/sludges)?

31. Disposal location of tank(s) contents. Tanks were dry
Name: _____ Date: _____
Address: _____
_____ Attach disposal receipt.

32. Disposal or recycling location of removed tank(s) and associated piping.
Name: Cherry City Recycling Date: _____
Address: _____
Salem, Oregon Attach disposal receipt.

33. If tank(s) are intended to be reused, identify new tank site.
Name: Claude Breshears Date: 9-17-93
Address: 31363 Waterloo Rd Waterloo, OR

Purpose of Reuse: Retain water for fire suppression

F. WORK PERFORMED BY:

DEQ Service Provider's License #: 2317

Name: Tank Specialties, Inc.

Telephone: 873-3050

DEQ Decommissioning Supervisor's License #: 2316

Name: Jeff Pike

Telephone: 873-3050

E. CHECKLIST FILING:

1. Provide copy of checklist to the UST owner and operator.

2. Send completed checklist to the DEQ headquarters within 30 days after the excavation is backfilled.

NOTE: If contamination was found during decommissioning and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Send Completed and Signed Form to: Department of Environmental Quality
UST Program - Decommissioning Checklist
811 S.W. Sixth Ave.
Portland, Oregon 97204

Or FAX Completed and Signed Form to: (503) 229-6954

I have personally reviewed this decommissioning checklist and find it to be true and complete.

Signature: _____ **Date:** 10-4-93
(Licensed Supervisor)

Signature: _____ **Date:** 10/5/93
(Owner or Operator)

For information: (503) 229-5733 or Toll Free in Oregon UST HELPLINE 1-800-742-7878

683-5360

CITY RECYCLING

3570 CHERRY AVE. N.E.
SALEM, OREGON 97303
(503) 390-0973

Ferrous - Non Ferrous

NAME TSI DATE

ADDRESS 13262 Silverton RD NE

CITY Silverton D.L. NO.

ARTICLE	GROSS	TARE	NET	UNIT	PRICE	AMOUNT
#1 STEEL						
#2 STEEL			1420		.05	
CAR BODIES						
TIN						
#1 COPPER	1	Tank Diesel				
#2 COPPER						
MIXED COPPER						
UNCLEAN COPPER						
RADIATORS						
RED BRASS						
YELLOW BRASS						
MIXED BRASS						
BATTERIES						
ALUMINUM						
UNCLEAN ALUM.						
TOTALS						

CAPITAL BUSINESS FORMS

CONTROL NO.
77044

VEHICLE LIC. NO'S TRUCK

CHECK NO. EXT. BY

I hereby state that I am the lawful owner of the material described hereon, that I have the right to sell same and that for payment received in full, hereby acknowledged I sell and convey title of same to City Recycling Co.

WEIGHMASTER

Anatek Labs
1917 S. Main Moscow, ID 83843 (208) 883-BTEX (2839) FAX: (208) 882-9246

September 27, 1993

Environmental Science Associates
1450 Flintridge Avenue
Eugene, OR 97401
Attn: Steven LaFranchi

Items: Results of analysis for samples received 9/18/93. Sample log-in number is 1133.
Project: Auto Supply Sales
Date Sampled: 9/17/93
Project #: LRAD0101
Report #: 93-0927-ESA Page 1 of 2

HCID by TPH-HCID; TPH by 418.1 Modified; TCLP Metals by EPA 1311, 7000
PCB's by EPA 8080; Volatiles by EPA 8260; mg/Kg = ppm

	Sample Name	Matrix	Analysis Date	Analyte	Concentration
S-1	LRDAR-1	Soil	9/20/93	Gasoline	Detected by HCID
				Diesel	< 25 mg/Kg by HCID
				Gasoline	1311 mg/Kg
S-2	LRDAR-2	Soil	9/20/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID
S-3	LRDAR-3	Soil	9/20/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID
S-4	LRDAR-4	Soil	9/20/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID
S-5	LRDAR-6	Soil	9/20/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID
S-6	LRDAR-7	Soil	9/20/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID
S-7	LRDAR-8	Soil	9/20/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID

Anatek Labs
1917 S. Main Moscow, ID 83843 (208) 883-BTEX (2839) FAX: (208) 882-9246

	Sample Name	Matrix	Analysis Date	Analyte	Concentration
S-5	LRDAR-5	Soil	9/23/93	Gasoline	< 10 mg/Kg by HCID
				Diesel	< 25 mg/Kg by HCID
				Waste Oil	Detected by HCID
			9/24/93	TPH	28,400 mg/Kg
			9/24/93	PCB's	< 1.0 mg/Kg
			9/26/93	TCLP Lead	0.9 ppm
				TCLP Cadmium	< 0.1 ppm
				TCLP Chromium	< 0.1 ppm
			9/27/93	Chloromethane	< 10 ug/Kg
				Chloroethane	< 10 ug/Kg
				Bromomethane	< 10 ug/Kg
				Vinyl chloride	< 10 ug/Kg
				1,1-Dichloroethene	< 10 ug/Kg
				1,2-Dichloroethene	< 10 ug/Kg
				1,1-Dichloroethene	< 10 ug/Kg
				Chloroform	< 10 ug/Kg
				1,1,1-Trichloroethane	< 10 ug/Kg
				1,2-Dichloroethane	< 10 ug/Kg
				Carbon tetrachloride	< 10 ug/Kg
				1,2-Dichloropropane	< 10 ug/Kg
				Trichloroethene	< 10 ug/Kg
				Bromodichloromethane	< 10 ug/Kg
				1,3-Dichloropropene	< 10 ug/Kg
				1,1,2-Trichloroethane	< 10 ug/Kg
				Dibromochloromethane	< 10 ug/Kg
				Tetrachloroethene	< 10 ug/Kg
				Chlorobenzene	48 ug/Kg
				Chloroform	< 10 ug/Kg
				Bromoform	< 10 ug/Kg
				1,1,2,2-Tetrachloroethane	< 10 ug/Kg
				Styrene	< 10 ug/Kg
				Benzene	< 10 ug/Kg
				Toluene	28 ug/Kg
				Ethylbenzene	11 ug/Kg
				Xylene(Total)	178 ug/Kg

Mike Pearson
Laboratory Director

1133 A

CHAIN OF CUSTODY
LABORATORY ANALYSIS REQUEST

ENVIRONMENTAL SCIENCE ASSOCIATES
1450 FLINTRIDGE AVENUE
EUGENE, OREGON 97401

PROJECT MANAGER Steven LaFranchi
PROJECT NAME AUTO SUPPLY SALES
PROJECT NUMBER LRAD 0101

SAMPLER'S NAME Steven LaFranchi
SIGNATURE
P.O. NUMBER

PHONE (503) 683-4997
FAX (503) 683-5360
PROVIDE FAX RESULTS YES ___ NO ___

COMMENTS:

Sample	Date	Time	Remarks	MATRIX: SOIL	WATER	OTHER	Number of Containers	TPH-HCID OAR/DEQ	TPH-G OAR/DEQ	TPH-D OAR/DEQ	TPH 418.1 MOD OAR/DEQ	BTEX 602/8020	VOLATILES 624/8240	SEMIVOLATILES 625/8270	HALOGENATED VOLATILES 601/8010	PCB 608/8080	WASTE OIL-PCB's, 8010, 8020, TCLP (3)	LEAD 7421	TCLP (8) METALS	TOTAL METALS	SETTLEABLE SOLIDS	OIL AND GREASE	BOD-5	TOC	COD	pH	REMARKS
LRDAR-1	9-17-93	2:00						✓																			Please quantify where appropriate with TPH-G or D
LRDAR-2	"	2:15						✓																			
LRDAR-3	"	3:00						✓																			
LRDAR-4	"	3:15						✓																			
LRDAR-5	"	4:00						✓																			Worst case for Sample LRDAR-5
LRDAR-6	"	4:10						✓																			
LRDAR-7	"	4:20						✓																			
LRDAR-8	"	4:25						✓																			
~~LRDAR-9~~	"																										
~~#~~																											

8, 7, or 8 will need a TCLP(3), 418.1M, PCB, and 8010/8020 (waste oil scan)

ADD TCLP(3), VOLATILES 8260, PCB, 418.1

DATE 9-17-93	RELINQUISHED BY	DATE 9/18/93	RECEIVED BY
TIME 5:30	PRINT NAME Allen Martyn	TIME 1600	PRINT NAME Robin Woods
COMPANY ESA	SIGNATURE Allen Martyn	COMPANY ESA	SIGNATURE Robin Woods

Anatek Labs
1917 S. Main Moscow, ID 83843 (208) 883-BTEX (2839) FAX: (208) 882-9246

October 21, 1993

Environmental Science Associates
1450 Flintridge Avenue
Eugene, OR 97401
Attn: Steven LaFranchi

Items: Results of analysis for samples received 10/12/93. Sample log-in number is 1207.
Project: LRDAR
Project #: LRDAR0101
Date Sampled: 10/5/93
Report #: 93-1021B-ESA

TPH by 418.1Modified (Oregon)
Gasoline by TPH-G (Oregon); BTEX by EPA 602; mg/Kg = ppm = mg/L

Sample Name	Matrix	Analysis Date	Analyte	Concentration	
LRDAR-WO	Soil	10/18/93	TPH	< 25	mg/Kg
LRDAR-G	Soil	10/18/93	Gasoline	60	mg/Kg
LRDAR-BTEX	Water	10/18/93	Benzene	0.575	mg/L
			Toluene	1.64	mg/L
			Ethylbenzene	0.344	mg/L
			Xylenes(total)	4.59	mg/L

Mike Pearson
Laboratory Director

CHAIN OF CUSTODY
LABORATORY ANALYSIS REQUEST

ENVIRONMENTAL SCIENCE ASSOCIATES
1450 FLINTRIDGE AVENUE
EUGENE, OREGON 97401

PROJECT MANAGER Steven LaFranchi
PROJECT NAME LRDAR
PROJECT NUMBER LRDAR 0101

SAMPLER'S NAME Steven LaFranchi
SIGNATURE
P.O. NUMBER

PHONE (503) 683-4997
FAX (503) 683-5360
PROVIDE FAX RESULTS YES ___ NO ___

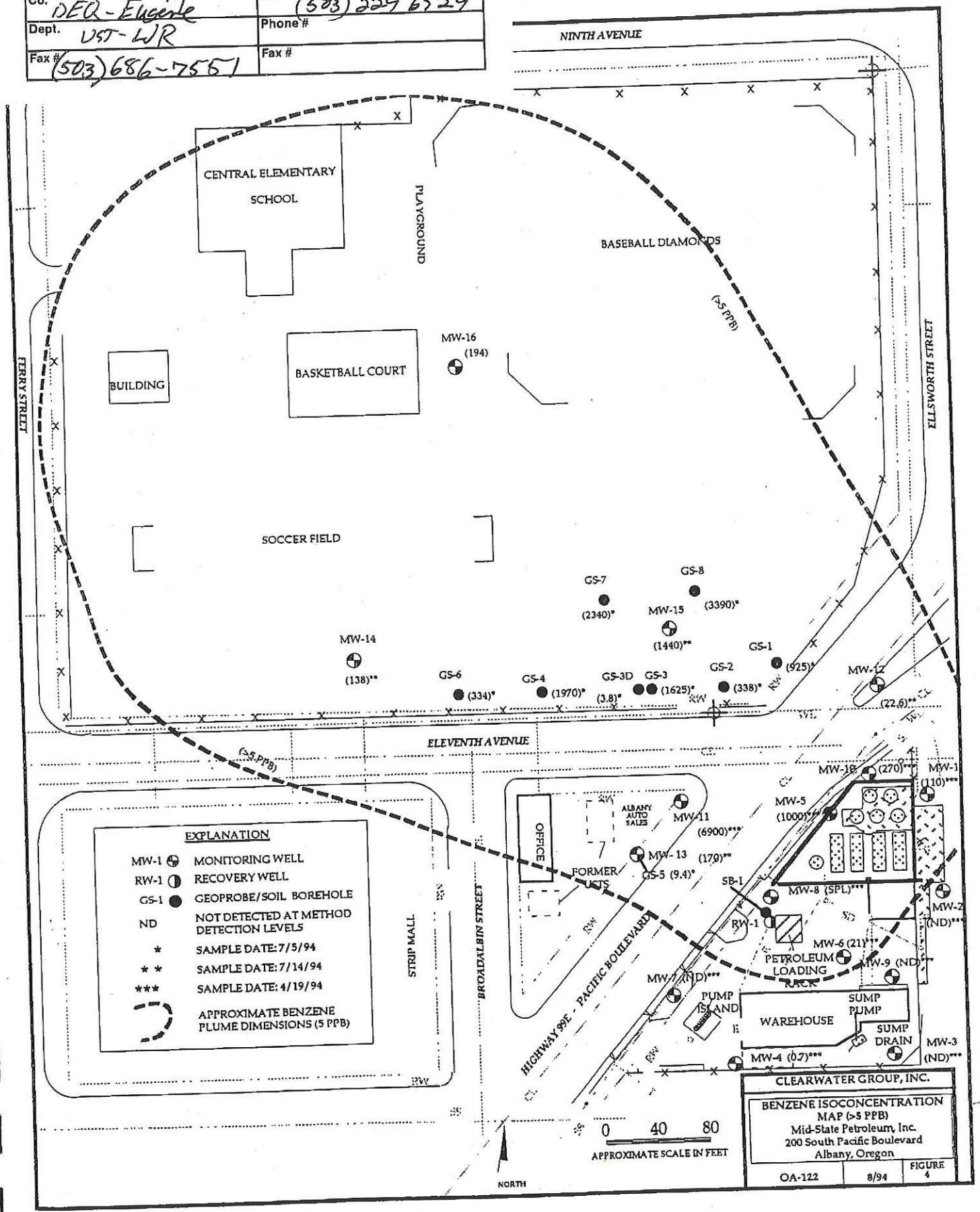
COMMENTS:

	Sample	Date	Time	Remarks	MATRIX: SOIL	MATRIX: WATER	MATRIX: OTHER	ANALYSIS: Number of Containers	TPH-HCID OAR/DEQ	TPH-G OAR/DEQ	TPH-D OAR/DEQ	TPH 418.1 MOD OAR/DEQ	BTEX 602/8020	VOLATILES 624/8240	SEMIVOLATILES 625/8270	HALOGENATED VOLATILES 601/8010	PCB 608/8080	WASTE OIL-PCB's, 8010, 8020, TCLP (3)	LEAD 7421	TCLP (8) METALS	TOTAL METALS	SETTLEABLE SOLIDS	OIL AND GREASE	BOD-5	TOC	COD	pH			REMARKS
3	LRDAR-BTEX	10/5/93				X							X																
4	LRDAR-WO	10/5/93			X							X																	
5	LRDAR-G	10/5/93			X					X																			

RELINQUISHED BY		RECEIVED BY	
DATE	10/8/93	DATE	10/12/93
TIME	0900	TIME	1300
PRINT NAME	Steve LaFranchi	PRINT NAME	ROBIN WOODS
COMPANY	ESA	COMPANY	Avatel
SIGNATURE		SIGNATURE	

Post-it™ brand fax transmittal memo 76. of pages ▸ 2

To Judie Gapp	From Karla Urbanowicz
Co. DEQ - Eugene	Co. (503) 229 6729
Dept. UST - WR	Phone #
Fax # (503) 686-7551	Fax #



2220-4119

Appendix B

2020 Field Notes and Borelog

Boring 1

* 14' 6" from ~~east~~ west fence
* 5' 2" from building - face

Boring 2

* 21' from building - corner (SE)
* 23' 6" from sidewalk corner edg

Boring 3

* 19' from building corner (SE)
* 27' 4" from sidewalk corner edge

Boring 4

* 28' from building corner (SE)
* 32' from Poplar tree in median

Boring 5

* 39' ~~38' 6"~~ from building corner (SE)
* 35' 8" from poplar tree in med

Boring 6

* 30' 2" from building corner (NE)
* 21' from curb on 11th Ave

Boring 7

* 9' from building corner (NE)
* 15' from curb on 11th Ave

HOLD → separate COC

B1 Soil collected @ 950 (-2-3'

ex. B1 Soil collected @ 1115 (-17.5')

B1 GW collected @ 1150 (-13.5')

B2 Soil collected @ 1250 (-2-3')

ex. B2 soil collected @ 1255 (-6')

B3 Soil Collected @ 1320 (-3')

added from Chris recommendations

B3 Soil Collected @ 1350 (-10')
- hopefully cleaner than B7

B4 Soil Collected @ 1400 (-3')

B5 Soil Collected @ 1440 (-3')

B6 Soil Collected @ 1530 (-13-14')

ex. B6 Soil Collected @ ~~1615~~ 1550 (-18-23')

B7 Soil Collected @ 1700 (-13')

B6 GW collected @ 1615

B7 GW collected @ 1800

4hours refusal

10/24/20 Notes

B6(-18-23)
- first sample in water table

B2(-6)
- Under diesel dispenser to show it is de

B1 (-17.5)
- dark sand before water table

Project:	Log of Boring 1
Project Location:	Sheet 1 of 1
Project Number:	

Date(s) Drilled	10.23.20	Logged By	ALH	Checked By	
Drilling Method	push	Drill Bit Size/Type		Total Depth of Borehole	
Drill Rig Type	Geoprobe 7822DT	Drilling Contractor	Cascade	Approximate Surface Elevation	
Groundwater Level and Date Measured		Sampling Method(s)	grab	Hammer Data	
Borehole Backfill		Location	AAS		

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						3/4-0' base rock	
							pea gravel backfill	0 PID
	5						very moist brown-gray silty clay	
							gray brow red silty clay and gravel - slightly moist	
	10							
11 ▽							sleeve crushed	.3 ppm 11'
	15						blue-green-gray clay and gravel and increasing 1/4"	foot only
							termination	
	20							
	25							
	30							

[fieldlog.tpl]

Project:	Log of Boring 2
Project Location:	Sheet 1 of 1
Project Number:	

Date(s) Drilled	10/23/20	Logged By	Checked By
Drilling Method	Push	Drill Bit Size/Type	Total Depth of Borehole 7.6'
Drill Rig Type	Geoprobe 7822DT	Drilling Contractor Cascade	Approximate Surface Elevation
Groundwater Level and Date Measured		Sampling Method(s) Grab	Hammer Data
Borehole Backfill		Location AAS	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						conc silty clay and gravel + peagr silty clay - extensive mottling mainly rock	
	5						silty clay, major gravel, d moist, br red brown	4.0 ppm
							silty clay, fractured black rock, extensive red and orange mottling dryer	.4
	10							
	15							
	20							
	25							
	30							

[fieldlog.jpl]

Project:
Project Location:
Project Number:

Log of Boring 3

Sheet 1 of 1

Date(s) Drilled	Logged By	Checked By
Drilling Method	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

recov

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						conc pea gravel, silty clay, loamy mottled, med brown	
							silty clay, gray/brown-yellow,	
	5						fractured rock, tight	498 ppm
							silty ~~sand~~ loam, red brown, mod loose, fractured rock	odiferous ~~18.9~~ 25.6
	10						increasingly rocky-gravelly pea gravel-	1.8
							silty clay, med brown, sl moist	no odor
	15							
	20							
	25							
	30							

5.6'

5'

[fieldlog.tpl]

Project:
Project Location:
Project Number:

Log of Boring 4

Sheet 1 of 1

Date(s) Drilled	Logged By	Checked By
Drilling Method	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						asphalt, gravel, clay	
5/6							clay plug then loose pea gravel, gravel & sand	
	5						med. brown-gray silty clay and frac rock, dry, tight	
100/6							lt yellow brown-gray, heavily mottled, frac rock, tight	
							" increasingly red-brown.	
	10						highly variable color, frac rock, tight clay, moist	
							yellow, brown, gray, green, red	
	15							
	20							
	25							
	30							

[fieldlog.tpl]

Project:	Log of Boring 5
Project Location:	Sheet 1 of 1
Project Number:	

Date(s) Drilled	Logged By	Checked By
Drilling Method	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						asphalt and gravel	
							lt brown 3/4-0"	
							lt brown pea gravel backfill	dry
	5						browns and grays transitioning to reds	
							lense of co sand	
	10						clay and c.g. sand pockets	
							fractured rock, sl moist,	
	15							
	20							
	25							
	30							

50%

90%

fieldlog.tpl

Project:
Project Location:
Project Number:

Log of Boring 12
Sheet 1 of 1

Date(s) Drilled	Logged By	Checked By
Drilling Method	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						asphalt and base rock	PID
							clay + rock	0.8
							soft clay and minimal rock	0.2
	5						med br-gray, frac rock, mottling	
							med to ft, light and dark rock	0.2
							tight, dry ish clay and frac rock,	0.1
							heavy mottling, lots of colors	
	10						red brown - gray brown, heavy	.1
							fractured pockets, dry ish	1.2
▽							blue black, shiny, odiferous, gravelly	386
								275
	15							4
							charcoal, shiny, gravelly	.9
								0.5
								.4
	20						sandy, blackish, gravelly	no odor
well established							saturated	
	25							
	30							

[fieldlog.tpl]

Project: **Project Location:** **Project Number:**	**Log of Boring** 1 **Sheet 1 of 1**

Date(s) Drilled	Logged By	Checked By
Drilling Method	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						asphalt base rock clay, gray, med to firm, moist brown, highly mottled, silty clay, tight w/some 1" round gravel	PID odorous 14.7 6.3
	5						red-brown to dk brown-gray sandy silty loam w/ gravel, dry, medium density increasing clay content and moisture	
	10						abrupt color change brown to charcoal and increasingly shiny gravelly tool black course sand, little rock gravelly sand, 1+ rocks, saturated and tight tight clay gravelly sand, black tight clay tight clay w/ wood chunks	odorous 1370 5.2
	15							
	20							
	25							
	30							

[fieldlog.tpl]

Bore 1 Location

Bore 1 Sample

Bore 2 Location

Bore 3 Location

Bore 3 Sample

Bore 4 Location

Bore 4 Sample

Bore 5 Location

Bore 6 Location

Bore 7 Location

Bore 7 Sample

Appendix C

Laboratory Data Packages

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Monday, November 30, 2020

Amber Hudspeth
Hudspeth Land+Water
7485 SW Joshua Ct.
Powell Butte, OR 97753

RE: A0J0848 - AAS - [none]

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0J0848, which was received by the laboratory on 10/24/2020 at 9:34:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: dthomas@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler#1	5.3 degC	Cooler#2	2.9 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1 Soil(-3)	A0J0848-01	Soil	10/23/20 09:50	10/24/20 09:34
B1 GW	A0J0848-02	Water	10/23/20 11:50	10/24/20 09:34
B2 Soil(-3)	A0J0848-03	Soil	10/23/20 12:50	10/24/20 09:34
B3 Soil(-3)	A0J0848-04	Soil	10/23/20 13:20	10/24/20 09:34
B3 Soil(-10)	A0J0848-05	Soil	10/23/20 13:50	10/24/20 09:34
B4 Soil(-3)	A0J0848-06	Soil	10/23/20 14:00	10/24/20 09:34
B5 Soil(-3)	A0J0848-07	Soil	10/23/20 14:40	10/24/20 09:34
B6 Soil(-13)	A0J0848-08	Soil	10/23/20 15:30	10/24/20 09:34
B6 GW	A0J0848-09	Water	10/23/20 16:15	10/24/20 09:34
B7 Soil(-13)	A0J0848-10	Soil	10/23/20 17:00	10/24/20 09:34
B7 GW	A0J0848-11	Water	10/23/20 18:00	10/24/20 09:34

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil(-3) (A0J0848-01RE1)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	ND	---	25.0	mg/kg dry	1	10/30/20 07:37	NWTPH-Dx	
Oil	ND	---	50.0	mg/kg dry	1	10/30/20 07:37	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 78 %*		*Limits: 50-150 %*	*1*	*10/30/20 07:37*	*NWTPH-Dx*	
B1 GW (A0J0848-02)				**Matrix: Water**		**Batch: 0101020**		
Diesel	ND	---	190	ug/L	1	10/30/20 02:18	NWTPH-Dx	
Oil	ND	---	381	ug/L	1	10/30/20 02:18	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 97 %*		*Limits: 50-150 %*	*1*	*10/30/20 02:18*	*NWTPH-Dx*	
B2 Soil(-3) (A0J0848-03)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	ND	---	25.2	mg/kg dry	1	10/29/20 23:34	NWTPH-Dx	
Oil	ND	---	50.5	mg/kg dry	1	10/29/20 23:34	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 80 %*		*Limits: 50-150 %*	*1*	*10/29/20 23:34*	*NWTPH-Dx*	
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	ND	---	25.0	mg/kg dry	1	10/29/20 23:56	NWTPH-Dx	
Oil	ND	---	50.0	mg/kg dry	1	10/29/20 23:56	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 96 %*		*Limits: 50-150 %*	*1*	*10/29/20 23:56*	*NWTPH-Dx*	
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0101020**		
Diesel	ND	---	192	ug/L	1	10/30/20 02:38	NWTPH-Dx	
Oil	ND	---	385	ug/L	1	10/30/20 02:38	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 96 %*		*Limits: 50-150 %*	*1*	*10/30/20 02:38*	*NWTPH-Dx*	
B7 Soil(-13) (A0J0848-10)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	**51.1**	---	25.0	mg/kg dry	1	10/30/20 00:18	NWTPH-Dx	**F-20**
Oil	ND	---	50.0	mg/kg dry	1	10/30/20 00:18	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 92 %*		*Limits: 50-150 %*	*1*	*10/30/20 00:18*	*NWTPH-Dx*	
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0101020**		
Diesel	ND	---	196	ug/L	1	10/30/20 02:59	NWTPH-Dx	
Oil	ND	---	392	ug/L	1	10/30/20 02:59	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 99 %*		*Limits: 50-150 %*	*1*	*10/30/20 02:59*	*NWTPH-Dx*	

Apex Laboratories

Darwin Thomas, Business Development Director

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B3 Soil(-3) (A0J0848-04RE1)				**Matrix: Soil**		**Batch: 0100957**		
Gasoline Range Organics	ND	---	6.99	mg/kg dry	50	10/28/20 11:59	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*110 %*	*Limits: 50-150 %*	*1*	*10/28/20 11:59*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*10/28/20 11:59*	*NWTPH-Gx (MS)*	
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100917**		
Gasoline Range Organics	ND	---	5.11	mg/kg dry	50	10/27/20 15:43	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits: 50-150 %*	*1*	*10/27/20 15:43*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*10/27/20 15:43*	*NWTPH-Gx (MS)*	
B4 Soil(-3) (A0J0848-06)				**Matrix: Soil**		**Batch: 0100957**		
Gasoline Range Organics	ND	---	8.59	mg/kg dry	50	10/28/20 18:51	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*107 %*	*Limits: 50-150 %*	*1*	*10/28/20 18:51*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*	*1*	*10/28/20 18:51*	*NWTPH-Gx (MS)*	
B5 Soil(-3) (A0J0848-07)				**Matrix: Soil**		**Batch: 0100957**		
Gasoline Range Organics	ND	---	5.89	mg/kg dry	50	10/28/20 19:18	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*106 %*	*Limits: 50-150 %*	*1*	*10/28/20 19:18*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*	*1*	*10/28/20 19:18*	*NWTPH-Gx (MS)*	
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0100957**		
Gasoline Range Organics	**76.0**	---	5.33	mg/kg dry	50	10/28/20 17:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*109 %*	*Limits: 50-150 %*	*1*	*10/28/20 17:01*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*10/28/20 17:01*	*NWTPH-Gx (MS)*	
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0100910**		
Gasoline Range Organics	**357**	---	100	ug/L	1	10/27/20 18:15	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*10/27/20 18:15*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*10/27/20 18:15*	*NWTPH-Gx (MS)*	
B7 Soil(-13) (A0J0848-10RE1)				**Matrix: Soil**		**Batch: 0101003**		
Gasoline Range Organics	**215**	---	5.79	mg/kg dry	50	10/29/20 20:34	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*108 %*	*Limits: 50-150 %*	*1*	*10/29/20 20:34*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*104 %*	*50-150 %*	*1*	*10/29/20 20:34*	*NWTPH-Gx (MS)*	
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0100910**		

Apex Laboratories

Darwin Thomas, Business Development Director

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0100910**		
Gasoline Range Organics	**301**	---	100	ug/L	1	10/27/20 18:42	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*10/27/20 18:42*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*10/27/20 18:42*	*NWTPH-Gx (MS)*	

Apex Laboratories

Darwin Thomas, Business Development Director

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B2 Soil(-3) (A0J0848-03)				**Matrix: Soil**		**Batch: 0100917**		
Benzene	ND	---	0.0133	mg/kg dry	50	10/27/20 16:10	5035A/8260D	
Toluene	ND	---	0.0663	mg/kg dry	50	10/27/20 16:10	5035A/8260D	
Ethylbenzene	ND	---	0.0332	mg/kg dry	50	10/27/20 16:10	5035A/8260D	
Xylenes, total	ND	---	0.0995	mg/kg dry	50	10/27/20 16:10	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*10/27/20 16:10*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*10/27/20 16:10*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*10/27/20 16:10*	*5035A/8260D*	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B4 Soil(-3) (A0J0848-06)				**Matrix: Soil**		**Batch: 0100957**		
Benzene	ND	---	0.0172	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Toluene	ND	---	0.0859	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Ethylbenzene	ND	---	0.0430	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Xylenes, total	ND	---	0.129	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0859	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Naphthalene	ND	---	0.172	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0859	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0430	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Isopropylbenzene	ND	---	0.0859	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0859	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0859	mg/kg dry	50	10/28/20 18:51	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*10/28/20 18:51*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*10/28/20 18:51*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*10/28/20 18:51*	*5035A/8260D*	
B5 Soil(-3) (A0J0848-07)				**Matrix: Soil**		**Batch: 0100957**		
Benzene	ND	---	0.0118	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Toluene	ND	---	0.0589	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Ethylbenzene	ND	---	0.0294	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Xylenes, total	ND	---	0.0883	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0589	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Naphthalene	ND	---	0.118	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0589	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0294	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Isopropylbenzene	ND	---	0.0589	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0589	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0589	mg/kg dry	50	10/28/20 19:18	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*10/28/20 19:18*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*10/28/20 19:18*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*10/28/20 19:18*	*5035A/8260D*	

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil(-3) (A0J0848-01)				**Matrix: Soil**		**Batch: 0100917**		
Acetone	ND	---	1.76	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Acrylonitrile	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Benzene	ND	---	0.0176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Bromobenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Bromochloromethane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Bromodichloromethane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Bromoform	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Bromomethane	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
2-Butanone (MEK)	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
n-Butylbenzene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
sec-Butylbenzene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
tert-Butylbenzene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Carbon disulfide	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Carbon tetrachloride	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Chlorobenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Chloroethane	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Chloroform	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Chloromethane	ND	---	0.440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
2-Chlorotoluene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
4-Chlorotoluene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Dibromochloromethane	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Dibromomethane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2-Dichlorobenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,3-Dichlorobenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,4-Dichlorobenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Dichlorodifluoromethane	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1-Dichloroethane	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1-Dichloroethene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil(-3) (A0J0848-01)				**Matrix: Soil**		**Batch: 0100917**		
1,2-Dichloropropane	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,3-Dichloropropane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
2,2-Dichloropropane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1-Dichloropropene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Ethylbenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Hexachlorobutadiene	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
2-Hexanone	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Isopropylbenzene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
4-Isopropyltoluene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Methylene chloride	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Naphthalene	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
n-Propylbenzene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Styrene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Toluene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	0.440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	0.440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1,1-Trichloroethane	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,1,2-Trichloroethane	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Trichloroethene (TCE)	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Trichlorofluoromethane	ND	---	0.176	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2,3-Trichloropropane	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
Vinyl chloride	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
m,p-Xylene	ND	---	0.0880	mg/kg dry	50	10/27/20 14:21	5035A/8260D	
o-Xylene	ND	---	0.0440	mg/kg dry	50	10/27/20 14:21	5035A/8260D	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil(-3) (A0J0848-01)				**Matrix: Soil**		**Batch: 0100917**		
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*	*1*	*10/27/20 14:21*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*10/27/20 14:21*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*	*1*	*10/27/20 14:21*	*5035A/8260D*	
B1 GW (A0J0848-02)				**Matrix: Water**		**Batch: 0100910**		
Acetone	ND	---	20.0	ug/L	1	10/27/20 17:48	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	10/27/20 17:48	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Bromoform	ND	---	2.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	10/27/20 17:48	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	10/27/20 17:48	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	10/27/20 17:48	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	10/27/20 17:48	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1-Dichloroethane	**1.54**	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 GW (A0J0848-02)				**Matrix: Water**		**Batch: 0100910**		
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1-Dichloroethene	**2.07**	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
cis-1,2-Dichloroethene	**9.82**	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	2.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	10/27/20 17:48	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	10/27/20 17:48	EPA 8260D	
Isopropylbenzene	ND	---	4.00	ug/L	1	10/27/20 17:48	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	10/27/20 17:48	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	10/27/20 17:48	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Naphthalene	ND	---	4.00	ug/L	1	10/27/20 17:48	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 GW (A0J0848-02)				**Matrix: Water**		**Batch: 0100910**		
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
Vinyl chloride	**1.80**	---	0.400	ug/L	1	10/27/20 17:48	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	10/27/20 17:48	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	10/27/20 17:48	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*10/27/20 17:48*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*10/27/20 17:48*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*10/27/20 17:48*	*EPA 8260D*	
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100917**		
Acetone	ND	---	1.02	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Acrylonitrile	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Benzene	ND	---	0.0102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Bromobenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Bromochloromethane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Bromodichloromethane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Bromoform	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Bromomethane	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
2-Butanone (MEK)	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
n-Butylbenzene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
sec-Butylbenzene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
tert-Butylbenzene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Carbon disulfide	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Carbon tetrachloride	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Chlorobenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Chloroethane	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Chloroform	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Chloromethane	ND	---	0.255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
2-Chlorotoluene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
4-Chlorotoluene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Dibromochloromethane	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Dibromomethane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2-Dichlorobenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100917**		
1,3-Dichlorobenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,4-Dichlorobenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Dichlorodifluoromethane	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1-Dichloroethane	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1-Dichloroethene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2-Dichloropropane	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,3-Dichloropropane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
2,2-Dichloropropane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1-Dichloropropene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Ethylbenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Hexachlorobutadiene	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
2-Hexanone	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Isopropylbenzene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
4-Isopropyltoluene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Methylene chloride	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Naphthalene	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
n-Propylbenzene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Styrene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Toluene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	0.255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	0.255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1,1-Trichloroethane	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,1,2-Trichloroethane	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100917**		
Trichloroethene (TCE)	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Trichlorofluoromethane	ND	---	0.102	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2,3-Trichloropropane	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Vinyl chloride	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
m,p-Xylene	ND	---	0.0511	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
o-Xylene	ND	---	0.0255	mg/kg dry	50	10/27/20 15:43	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*10/27/20 15:43*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*10/27/20 15:43*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*10/27/20 15:43*	*5035A/8260D*	
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0100957**		
Acetone	ND	---	1.07	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Acrylonitrile	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Benzene	ND	---	0.0107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Bromobenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Bromochloromethane	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Bromodichloromethane	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Bromoform	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Bromomethane	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
2-Butanone (MEK)	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
n-Butylbenzene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
sec-Butylbenzene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
tert-Butylbenzene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Carbon disulfide	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Carbon tetrachloride	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Chlorobenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Chloroethane	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Chloroform	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Chloromethane	ND	---	0.267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
2-Chlorotoluene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
4-Chlorotoluene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Dibromochloromethane	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0100957**		
1,2-Dibromo-3-chloropropane	ND	---	0.267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Dibromomethane	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2-Dichlorobenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,3-Dichlorobenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,4-Dichlorobenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Dichlorodifluoromethane	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1-Dichloroethane	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1-Dichloroethene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2-Dichloropropane	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,3-Dichloropropane	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
2,2-Dichloropropane	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1-Dichloropropene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Ethylbenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Hexachlorobutadiene	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
2-Hexanone	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Isopropylbenzene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
4-Isopropyltoluene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Methylene chloride	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Naphthalene	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
n-Propylbenzene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Styrene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.133	mg/kg dry	50	10/28/20 17:01	5035A/8260D	R-02
Tetrachloroethene (PCE)	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Toluene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0100957**		
1,2,3-Trichlorobenzene	ND	---	0.267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	0.267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1,1-Trichloroethane	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,1,2-Trichloroethane	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Trichloroethene (TCE)	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Trichlorofluoromethane	ND	---	0.107	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2,3-Trichloropropane	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Vinyl chloride	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
m,p-Xylene	ND	---	0.0533	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
o-Xylene	ND	---	0.0267	mg/kg dry	50	10/28/20 17:01	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*10/28/20 17:01*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*10/28/20 17:01*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*10/28/20 17:01*	*5035A/8260D*	
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0100910**		
Acetone	ND	---	20.0	ug/L	1	10/27/20 18:15	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	10/27/20 18:15	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Bromoform	ND	---	2.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	10/27/20 18:15	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	10/27/20 18:15	EPA 8260D	
n-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	10/27/20 18:15	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0100910**		
Chloromethane	ND	---	5.00	ug/L	1	10/27/20 18:15	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,1-Dichloroethane	**3.46**	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
1,1-Dichloroethene	**5.85**	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
cis-1,2-Dichloroethene	**27.8**	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
trans-1,2-Dichloroethene	**0.720**	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	2.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	10/27/20 18:15	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	10/27/20 18:15	EPA 8260D	
Isopropylbenzene	ND	---	4.00	ug/L	1	10/27/20 18:15	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	10/27/20 18:15	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	10/27/20 18:15	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Naphthalene	ND	---	4.00	ug/L	1	10/27/20 18:15	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0100910**		
1,1,1,2-Tetrachloroethane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
Vinyl chloride	**4.84**	---	0.400	ug/L	1	10/27/20 18:15	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	10/27/20 18:15	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	10/27/20 18:15	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits:* *80-120 %*	*1*	*10/27/20 18:15*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*10/27/20 18:15*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*10/27/20 18:15*	*EPA 8260D*	
B7 Soil(-13) (A0J0848-10RE1)				**Matrix: Soil**		**Batch: 0101003**		
Acetone	ND	---	1.16	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Acrylonitrile	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Benzene	ND	---	0.0116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Bromobenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Bromochloromethane	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Bromodichloromethane	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Bromoform	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Bromomethane	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
2-Butanone (MEK)	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
n-Butylbenzene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
sec-Butylbenzene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
tert-Butylbenzene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Carbon disulfide	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B7 Soil(-13) (A0J0848-10RE1)				**Matrix: Soil**		**Batch: 0101003**		
Carbon tetrachloride	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Chlorobenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Chloroethane	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Chloroform	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Chloromethane	ND	---	0.289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
2-Chlorotoluene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
4-Chlorotoluene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Dibromochloromethane	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Dibromomethane	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2-Dichlorobenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,3-Dichlorobenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,4-Dichlorobenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Dichlorodifluoromethane	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1-Dichloroethane	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1-Dichloroethene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2-Dichloropropane	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,3-Dichloropropane	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
2,2-Dichloropropane	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1-Dichloropropene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Ethylbenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Hexachlorobutadiene	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
2-Hexanone	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Isopropylbenzene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
4-Isopropyltoluene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Methylene chloride	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B7 Soil(-13) (A0J0848-10RE1)				**Matrix: Soil**		**Batch: 0101003**		
Methyl tert-butyl ether (MTBE)	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Naphthalene	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
n-Propylbenzene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Styrene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.232	mg/kg dry	50	10/29/20 20:34	5035A/8260D	R-02
Tetrachloroethene (PCE)	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Toluene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	0.289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	0.289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1,1-Trichloroethane	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,1,2-Trichloroethane	ND	---	0.289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	R-02
Trichloroethene (TCE)	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Trichlorofluoromethane	ND	---	0.116	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2,3-Trichloropropane	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Vinyl chloride	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
m,p-Xylene	ND	---	0.0579	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
o-Xylene	ND	---	0.0289	mg/kg dry	50	10/29/20 20:34	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits: 80-120 %*	*1*	*10/29/20 20:34*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*10/29/20 20:34*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*10/29/20 20:34*	*5035A/8260D*	
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0100910**		
Acetone	ND	---	20.0	ug/L	1	10/27/20 18:42	EPA 8260D	
Acrylonitrile	ND	---	2.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Benzene	ND	---	0.200	ug/L	1	10/27/20 18:42	EPA 8260D	
Bromobenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Bromochloromethane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Bromoform	ND	---	2.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Bromomethane	ND	---	5.00	ug/L	1	10/27/20 18:42	EPA 8260D	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	10/27/20 18:42	EPA 8260D	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0100910**		
n-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
sec-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
tert-Butylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Carbon disulfide	ND	---	10.0	ug/L	1	10/27/20 18:42	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	10/27/20 18:42	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Dibromomethane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1-Dichloroethane	**3.72**	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1-Dichloroethene	**6.77**	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
cis-1,2-Dichloroethene	**30.2**	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
trans-1,2-Dichloroethene	**0.820**	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	2.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	10/27/20 18:42	EPA 8260D	
2-Hexanone	ND	---	10.0	ug/L	1	10/27/20 18:42	EPA 8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0100910**		
Isopropylbenzene	ND	---	4.00	ug/L	1	10/27/20 18:42	EPA 8260D	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	10/27/20 18:42	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	10/27/20 18:42	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Naphthalene	ND	---	4.00	ug/L	1	10/27/20 18:42	EPA 8260D	
n-Propylbenzene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Styrene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
Vinyl chloride	**5.81**	---	0.400	ug/L	1	10/27/20 18:42	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	10/27/20 18:42	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	10/27/20 18:42	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits:*	*80-120 %*	*1*	*10/27/20 18:42*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*		*80-120 %*	*1*	*10/27/20 18:42*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*	*1*	*10/27/20 18:42*	*EPA 8260D*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil(-3) (A0J0848-01)				**Matrix: Soil**		**Batch: 0100963**		
Acenaphthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Anthracene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Chrysene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Fluoranthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Fluorene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Naphthalene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Phenanthrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Pyrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:16	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*63 %*	*Limits: 44-120 %*	*1*	*10/28/20 19:16*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*73 %*	*54-127 %*	*1*	*10/28/20 19:16*	*EPA 8270E SIM*	
B1 GW (A0J0848-02)				**Matrix: Water**		**Batch: 0100986**		
Acenaphthene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Anthracene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Chrysene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Fluoranthene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Fluorene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 GW (A0J0848-02)				**Matrix: Water**		**Batch: 0100986**		
Naphthalene	ND	---	0.0762	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Phenanthrene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Pyrene	ND	---	0.0381	ug/L	1	10/29/20 11:12	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*47 %*	*Limits: 44-120 %*	*1*	*10/29/20 11:12*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*57 %*	*50-134 %*	*1*	*10/29/20 11:12*	*EPA 8270E SIM*	
B2 Soil(-3) (A0J0848-03)				**Matrix: Soil**		**Batch: 0100963**		
Acenaphthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Anthracene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Chrysene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Fluoranthene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Fluorene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Naphthalene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Phenanthrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Pyrene	ND	---	0.0125	mg/kg dry	1	10/28/20 19:42	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*66 %*	*Limits: 44-120 %*	*1*	*10/28/20 19:42*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*70 %*	*54-127 %*	*1*	*10/28/20 19:42*	*EPA 8270E SIM*	
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100963**		
Acenaphthene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Anthracene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100963**		
Benzo(g,h,i)perylene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Chrysene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Fluoranthene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Fluorene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Naphthalene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Phenanthrene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Pyrene	ND	---	0.0108	mg/kg dry	1	10/28/20 20:09	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*66 %*	*Limits: 44-120 %*	*1*	*10/28/20 20:09*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*85 %*	*54-127 %*	*1*	*10/28/20 20:09*	*EPA 8270E SIM*	
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0100963**		
Acenaphthene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Anthracene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Chrysene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Fluoranthene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Fluorene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Naphthalene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Phenanthrene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Pyrene	ND	---	0.0111	mg/kg dry	1	10/28/20 20:35	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*73 %*	*Limits: 44-120 %*	*1*	*10/28/20 20:35*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*85 %*	*54-127 %*	*1*	*10/28/20 20:35*	*EPA 8270E SIM*	
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0100986**		
Acenaphthene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 GW (A0J0848-09)				**Matrix: Water**		**Batch: 0100986**		
Acenaphthylene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Anthracene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Chrysene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Fluoranthene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Fluorene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Naphthalene	ND	---	0.0762	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Phenanthrene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Pyrene	ND	---	0.0381	ug/L	1	10/29/20 11:38	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*49 %*	*Limits: 44-120 %*	*1*	*10/29/20 11:38*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*39 %*	*50-134 %*	*1*	*10/29/20 11:38*	*EPA 8270E SIM*	*S-06*
B7 Soil(-13) (A0J0848-10)				**Matrix: Soil**		**Batch: 0100963**		
Acenaphthene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Anthracene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Chrysene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Fluoranthene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Fluorene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Naphthalene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B7 Soil(-13) (A0J0848-10)				**Matrix: Soil**		**Batch: 0100963**		
Phenanthrene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Pyrene	ND	---	0.0116	mg/kg dry	1	10/28/20 21:01	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*80 %*	*Limits: 44-120 %*	*1*	*10/28/20 21:01*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*91 %*	*54-127 %*	*1*	*10/28/20 21:01*	*EPA 8270E SIM*	
B7 GW (A0J0848-11)				**Matrix: Water**		**Batch: 0100986**		
Acenaphthene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Anthracene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Chrysene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Fluoranthene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Fluorene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Naphthalene	ND	---	0.0748	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Phenanthrene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Pyrene	ND	---	0.0374	ug/L	1	10/29/20 12:04	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*47 %*	*Limits: 44-120 %*	*1*	*10/29/20 12:04*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*55 %*	*50-134 %*	*1*	*10/29/20 12:04*	*EPA 8270E SIM*	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil(-3) (A0J0848-01)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**74.9**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B2 Soil(-3) (A0J0848-03)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**78.5**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B3 Soil(-3) (A0J0848-04)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**79.3**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B3 Soil(-10) (A0J0848-05)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**90.6**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B4 Soil(-3) (A0J0848-06)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**87.2**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B5 Soil(-3) (A0J0848-07)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**95.7**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B6 Soil(-13) (A0J0848-08)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**87.4**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B7 Soil(-13) (A0J0848-10)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**85.6**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
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QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101020 - EPA 3510C (Fuels/Acid Ext.)							**Water**					
Blank (0101020-BLK1)			Prepared: 10/29/20 11:05		Analyzed: 10/29/20 23:12							
NWTPH-Dx												
Diesel	ND	---	182	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	364	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 96 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (0101020-BS1)			Prepared: 10/29/20 11:05		Analyzed: 10/29/20 23:32							
NWTPH-Dx												
Diesel	1250	---	200	ug/L	1	1250	---	100	59-115%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 106 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS Dup (0101020-BSD1)			Prepared: 10/29/20 11:05		Analyzed: 10/29/20 23:53							**Q-19**
NWTPH-Dx												
Diesel	1220	---	200	ug/L	1	1250	---	98	59-115%	2	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 108 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Batch 0101024 - EPA 3546 (Fuels)							**Soil**					
Blank (0101024-BLK1)			Prepared: 10/29/20 12:42		Analyzed: 10/29/20 21:45							
NWTPH-Dx												
Diesel	ND	---	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	50.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 93 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (0101024-BS1)			Prepared: 10/29/20 12:42		Analyzed: 10/29/20 22:07							
NWTPH-Dx												
Diesel	118	---	25.0	mg/kg wet	1	125	---	95	73-115%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 95 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Duplicate (0101024-DUP1)			Prepared: 10/29/20 12:42		Analyzed: 10/29/20 22:51							
QC Source Sample: Non-SDG (A0J0826-02)												
Diesel	ND	---	25.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	**333**	---	50.0	mg/kg dry	1	---	343	---	---	3	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 76 %*	*Limits: 50-150 %*		*Dilution: 1x*							

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101024 - EPA 3546 (Fuels)							**Soil**					
Duplicate (0101024-DUP2)			Prepared: 10/29/20 12:42		Analyzed: 10/30/20 00:30							
QC Source Sample: Non-SDG (A0J0941-05)												
Diesel	ND	---	25.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	50.0	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 68 %*	*Limits: 50-150 %*		*Dilution: 1x*							

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B												**Water**
Blank (0100910-BLK1)			Prepared: 10/27/20 08:00		Analyzed: 10/27/20 09:34							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*			*"*				
LCS (0100910-BS2)			Prepared: 10/27/20 08:00		Analyzed: 10/27/20 09:07							
NWTPH-Gx (MS)												
Gasoline Range Organics	496	---	100	ug/L	1	500	---	99	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*99 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*100 %*		*50-150 %*			*"*				
Duplicate (0100910-DUP1)			Prepared: 10/27/20 10:00		Analyzed: 10/27/20 16:53							
QC Source Sample: Non-SDG (A0J0622-36RE1)												
Gasoline Range Organics	ND	---	2000	ug/L	20	---	1860	---	---	***	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*99 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*109 %*		*50-150 %*			*"*				

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Blank (0100917-BLK1)			Prepared: 10/27/20 09:00		Analyzed: 10/27/20 11:10							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*100 %*		*50-150 %*			*"*					
LCS (0100917-BS2)			Prepared: 10/27/20 09:00		Analyzed: 10/27/20 10:43							
NWTPH-Gx (MS)												
Gasoline Range Organics	26.7	---	5.00	mg/kg wet	50	25.0	---	107	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*103 %*		*50-150 %*			*"*					
Duplicate (0100917-DUP1)			Prepared: 10/23/20 09:50		Analyzed: 10/27/20 14:48							
QC Source Sample: B1 Soil(-3) (A0J0848-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	7.08	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 106 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*101 %*		*50-150 %*			*"*					

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A								**Soil**				
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:31							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*106 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*			*"*				
LCS (0100957-BS2)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:04							
NWTPH-Gx (MS)												
Gasoline Range Organics	26.9	---	5.00	mg/kg wet	50	25.0	---	107	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*104 %*		*50-150 %*			*"*				
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45		Analyzed: 10/28/20 16:33							
QC Source Sample: Non-SDG (A0J0600-02)												
Gasoline Range Organics	ND	---	5.40	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*110 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*101 %*		*50-150 %*			*"*				

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A												**Soil**
Blank (0101003-BLK1)				Prepared: 10/29/20 09:00		Analyzed: 10/29/20 11:25						
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*105 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*			*"*				
LCS (0101003-BS2)				Prepared: 10/29/20 09:00		Analyzed: 10/29/20 10:58						
NWTPH-Gx (MS)												
Gasoline Range Organics	28.3	---	5.00	mg/kg wet	50	25.0	---	113	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*104 %*		*50-150 %*			*"*				
Duplicate (0101003-DUP1)				Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55						
QC Source Sample: Non-SDG (A0J0965-12)												
Gasoline Range Organics	ND	---	5.03	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*110 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*101 %*		*50-150 %*			*"*				

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Blank (0100917-BLK1)			Prepared: 10/27/20 09:00 Analyzed: 10/27/20 11:10									
5035A/8260D												
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*101 %*		*79-120 %*			*"*				
LCS (0100917-BS1)			Prepared: 10/27/20 09:00 Analyzed: 10/27/20 10:16									
5035A/8260D												
Benzene	1.10	---	0.0100	mg/kg wet	50	1.00	---	110	80-120%	---	---	
Toluene	0.999	---	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Ethylbenzene	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Xylenes, total	3.28	---	0.0750	mg/kg wet	50	3.00	---	109	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*			*"*				
Duplicate (0100917-DUP1)			Prepared: 10/23/20 09:50 Analyzed: 10/27/20 14:48									
QC Source Sample: B1 Soil(-3) (A0J0848-01)												
5035A/8260D												
Benzene	ND	---	0.0142	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	0.106	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0100917-MS1)			Prepared: 10/23/20 12:50 Analyzed: 10/27/20 16:37									
QC Source Sample: B2 Soil(-3) (A0J0848-03)												
5035A/8260D												

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Matrix Spike (0100917-MS1)			Prepared: 10/23/20 12:50 Analyzed: 10/27/20 16:37									
QC Source Sample: B2 Soil(-3) (A0J0848-03)												
Benzene	1.40	---	0.0133	mg/kg dry	50	1.33	ND	105	77-121%	---	---	
Toluene	1.29	---	0.0663	mg/kg dry	50	1.33	ND	97	77-121%	---	---	
Ethylbenzene	1.37	---	0.0332	mg/kg dry	50	1.33	ND	104	76-122%	---	---	
Xylenes, total	4.24	---	0.0995	mg/kg dry	50	3.98	ND	107	78-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*79-120 %*			*"*				

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:31							
5035A/8260D												
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*			*"*				
LCS (0100957-BS1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 10:37							
5035A/8260D												
Benzene	0.986	---	0.0100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Toluene	0.944	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Ethylbenzene	0.960	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Xylenes, total	2.83	---	0.0750	mg/kg wet	50	3.00	---	94	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.990	---	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Naphthalene	0.902	---	0.100	mg/kg wet	50	1.00	---	90	80-120%	---	---	
1,2-Dibromoethane (EDB)	0.977	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
1,2-Dichloroethane (EDC)	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Isopropylbenzene	0.951	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
1,2,4-Trimethylbenzene	0.941	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,3,5-Trimethylbenzene	0.958	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45		Analyzed: 10/28/20 16:33							

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45 Analyzed: 10/28/20 16:33									
QC Source Sample: Non-SDG (A0J0600-02)												
Benzene	ND	---	0.0108	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	0.0810	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30 Analyzed: 10/28/20 17:28									
QC Source Sample: B6 Soil(-13) (A0J0848-08)												
5035A/8260D												
Benzene	1.06	---	0.0107	mg/kg dry	50	1.07	ND	100	77-121%	---	---	
Toluene	0.974	---	0.0533	mg/kg dry	50	1.07	ND	91	77-121%	---	---	
Ethylbenzene	0.996	---	0.0267	mg/kg dry	50	1.07	ND	93	76-122%	---	---	
Xylenes, total	3.03	---	0.0800	mg/kg dry	50	3.20	ND	95	78-124%	---	---	
Methyl tert-butyl ether (MTBE)	1.06	---	0.0533	mg/kg dry	50	1.07	ND	99	73-125%	---	---	
Naphthalene	1.03	---	0.107	mg/kg dry	50	1.07	ND	96	62-129%	---	---	
1,2-Dibromoethane (EDB)	1.05	---	0.0533	mg/kg dry	50	1.07	ND	98	78-122%	---	---	
1,2-Dichloroethane (EDC)	1.05	---	0.0267	mg/kg dry	50	1.07	ND	98	73-128%	---	---	
Isopropylbenzene	1.05	---	0.0533	mg/kg dry	50	1.07	ND	98	68-134%	---	---	
1,2,4-Trimethylbenzene	0.959	---	0.0533	mg/kg dry	50	1.07	ND	90	75-123%	---	---	
1,3,5-Trimethylbenzene	0.977	---	0.0533	mg/kg dry	50	1.07	ND	92	73-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
Blank (0100910-BLK1)			Prepared: 10/27/20 08:00 Analyzed: 10/27/20 09:34									
EPA 8260D												
Acetone	ND	---	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
Blank (0100910-BLK1)			Prepared: 10/27/20 08:00		Analyzed: 10/27/20 09:34							
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	4.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	4.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 103 %* *Limits: 80-120 %* *Dilution: 1x*

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B									**Water**			
Blank (0100910-BLK1)				Prepared: 10/27/20 08:00 Analyzed: 10/27/20 09:34								
Surr: Toluene-d8 (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*				*"*				
LCS (0100910-BS1)				Prepared: 10/27/20 08:00 Analyzed: 10/27/20 08:39								
EPA 8260D												
Acetone	35.4	---	20.0	ug/L	1	40.0	---	88	80-120%	---	---	
Acrylonitrile	19.8	---	2.00	ug/L	1	20.0	---	99	80-120%	---	---	
Benzene	19.2	---	0.200	ug/L	1	20.0	---	96	80-120%	---	---	
Bromobenzene	18.6	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Bromochloromethane	21.5	---	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Bromodichloromethane	19.1	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Bromoform	17.9	---	2.00	ug/L	1	20.0	---	89	80-120%	---	---	
Bromomethane	14.1	---	5.00	ug/L	1	20.0	---	**70**	**80-120%**	---	---	Q-55
2-Butanone (MEK)	39.4	---	10.0	ug/L	1	40.0	---	99	80-120%	---	---	
n-Butylbenzene	21.2	---	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
sec-Butylbenzene	21.6	---	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
tert-Butylbenzene	20.8	---	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Carbon disulfide	18.2	---	10.0	ug/L	1	20.0	---	91	80-120%	---	---	
Carbon tetrachloride	21.1	---	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Chlorobenzene	19.4	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Chloroethane	21.7	---	5.00	ug/L	1	20.0	---	108	80-120%	---	---	
Chloroform	20.6	---	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
Chloromethane	20.6	---	5.00	ug/L	1	20.0	---	103	80-120%	---	---	
2-Chlorotoluene	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
4-Chlorotoluene	20.1	---	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Dibromochloromethane	18.4	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
1,2-Dibromo-3-chloropropane	16.9	---	5.00	ug/L	1	20.0	---	84	80-120%	---	---	
1,2-Dibromoethane (EDB)	19.0	---	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Dibromomethane	20.4	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,2-Dichlorobenzene	19.6	---	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
1,3-Dichlorobenzene	19.8	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,4-Dichlorobenzene	18.4	---	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
Dichlorodifluoromethane	17.4	---	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
1,1-Dichloroethane	19.7	---	0.400	ug/L	1	20.0	---	98	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
LCS (0100910-BS1)			Prepared: 10/27/20 08:00			Analyzed: 10/27/20 08:39						
1,2-Dichloroethane (EDC)	20.4	---	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
1,1-Dichloroethene	18.9	---	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
cis-1,2-Dichloroethene	20.5	---	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
trans-1,2-Dichloroethene	20.0	---	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
1,2-Dichloropropane	19.3	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
1,3-Dichloropropane	20.2	---	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
2,2-Dichloropropane	25.0	---	1.00	ug/L	1	20.0	---	**125**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
cis-1,3-Dichloropropene	18.8	---	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
trans-1,3-Dichloropropene	19.0	---	2.00	ug/L	1	20.0	---	95	80-120%	---	---	
Ethylbenzene	20.4	---	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Hexachlorobutadiene	19.8	---	5.00	ug/L	1	20.0	---	99	80-120%	---	---	
2-Hexanone	38.2	---	10.0	ug/L	1	40.0	---	95	80-120%	---	---	
Isopropylbenzene	19.9	---	4.00	ug/L	1	20.0	---	100	80-120%	---	---	
4-Isopropyltoluene	19.4	---	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Methylene chloride	18.7	---	10.0	ug/L	1	20.0	---	94	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	41.5	---	10.0	ug/L	1	40.0	---	104	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	20.4	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Naphthalene	16.7	---	4.00	ug/L	1	20.0	---	84	80-120%	---	---	
n-Propylbenzene	20.0	---	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Styrene	19.0	---	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
1,1,1,2-Tetrachloroethane	19.0	---	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
1,1,2,2-Tetrachloroethane	19.8	---	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Tetrachloroethene (PCE)	19.4	---	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
Toluene	18.4	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
1,2,3-Trichlorobenzene	20.6	---	2.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,2,4-Trichlorobenzene	19.4	---	2.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,1,1-Trichloroethane	20.7	---	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
1,1,2-Trichloroethane	20.5	---	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Trichloroethene (TCE)	18.5	---	0.400	ug/L	1	20.0	---	92	80-120%	---	---	
Trichlorofluoromethane	20.2	---	2.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2,3-Trichloropropane	19.9	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2,4-Trimethylbenzene	20.1	---	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,3,5-Trimethylbenzene	21.7	---	1.00	ug/L	1	20.0	---	109	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
LCS (0100910-BS1)			Prepared: 10/27/20 08:00 Analyzed: 10/27/20 08:39									
Vinyl chloride	18.3	---	0.400	ug/L	1	20.0	---	91	80-120%	---	---	
m,p-Xylene	44.0	---	1.00	ug/L	1	40.0	---	110	80-120%	---	---	
o-Xylene	22.6	---	0.500	ug/L	1	20.0	---	113	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 97 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*			*"*				
Duplicate (0100910-DUP1)			Prepared: 10/27/20 10:00 Analyzed: 10/27/20 16:53									
QC Source Sample: Non-SDG (A0J0622-36RE1)												
Acetone	ND	---	400	ug/L	20	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
Benzene	ND	---	4.00	ug/L	20	---	ND	---	---	---	30%	
Bromobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Bromoform	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
Bromomethane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Chloroethane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
Chloroform	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Chloromethane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Dibromomethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
Duplicate (0100910-DUP1)			Prepared: 10/27/20 10:00 Analyzed: 10/27/20 16:53									
QC Source Sample: Non-SDG (A0J0622-36RE1)												
1,3-Dichlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,1-Dichloroethene	**23.4**	---	8.00	ug/L	20	---	22.0	---	---	6	30%	
cis-1,2-Dichloroethene	**197**	---	8.00	ug/L	20	---	198	---	---	0.8	30%	
trans-1,2-Dichloroethene	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	100	ug/L	20	---	ND	---	---	---	30%	
2-Hexanone	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	80.0	ug/L	20	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Methylene chloride	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	200	ug/L	20	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Naphthalene	ND	---	80.0	ug/L	20	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Styrene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	8.00	ug/L	20	---	5.20	---	---	***	30%	
Toluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	8.00	ug/L	20	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
Duplicate (0100910-DUP1)			Prepared: 10/27/20 10:00 Analyzed: 10/27/20 16:53									
QC Source Sample: Non-SDG (A0J0622-36RE1)												
Trichloroethene (TCE)	**848**	---	8.00	ug/L	20	---	855	---	---	0.9	30%	
Trichlorofluoromethane	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Vinyl chloride	**27.4**	---	8.00	ug/L	20	---	26.8	---	---	2	30%	
m,p-Xylene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
o-Xylene	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*102 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*				*"*			
Matrix Spike (0100910-MS1)			Prepared: 10/27/20 10:00 Analyzed: 10/27/20 14:36									**V-13**
QC Source Sample: Non-SDG (A0J0866-01)												
EPA 8260D												
Acetone	551	---	200	ug/L	10	400	142	102	39-160%	---	---	
Acrylonitrile	214	---	20.0	ug/L	10	200	ND	107	63-135%	---	---	
Benzene	212	---	2.00	ug/L	10	200	ND	106	79-120%	---	---	
Bromobenzene	199	---	5.00	ug/L	10	200	ND	100	80-120%	---	---	
Bromochloromethane	223	---	10.0	ug/L	10	200	ND	111	78-123%	---	---	
Bromodichloromethane	207	---	10.0	ug/L	10	200	ND	104	79-125%	---	---	
Bromoform	189	---	20.0	ug/L	10	200	ND	95	66-130%	---	---	
Bromomethane	158	---	50.0	ug/L	10	200	ND	79	53-141%	---	---	Q-54h
2-Butanone (MEK)	463	---	100	ug/L	10	400	ND	116	56-143%	---	---	
n-Butylbenzene	270	---	10.0	ug/L	10	200	ND	**135**	**75-128%**	---	---	Q-01
sec-Butylbenzene	421	---	10.0	ug/L	10	200	ND	**211**	**77-126%**	---	---	Q-01
tert-Butylbenzene	247	---	10.0	ug/L	10	200	ND	124	78-124%	---	---	
Carbon disulfide	186	---	100	ug/L	10	200	ND	93	64-133%	---	---	
Carbon tetrachloride	248	---	10.0	ug/L	10	200	ND	124	72-136%	---	---	
Chlorobenzene	211	---	5.00	ug/L	10	200	ND	105	80-120%	---	---	
Chloroethane	227	---	50.0	ug/L	10	200	ND	114	60-138%	---	---	
Chloroform	224	---	10.0	ug/L	10	200	ND	112	79-124%	---	---	
Chloromethane	246	---	50.0	ug/L	10	200	ND	123	50-139%	---	---	

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
Matrix Spike (0100910-MS1)			Prepared: 10/27/20 10:00		Analyzed: 10/27/20 14:36							**V-13**
QC Source Sample: Non-SDG (A0J0866-01)												
2-Chlorotoluene	227	---	10.0	ug/L	10	200	ND	113	79-122%	---	---	
4-Chlorotoluene	220	---	10.0	ug/L	10	200	ND	110	78-122%	---	---	
Dibromochloromethane	197	---	10.0	ug/L	10	200	ND	99	74-126%	---	---	
1,2-Dibromo-3-chloropropane	208	---	50.0	ug/L	10	200	ND	104	62-128%	---	---	
1,2-Dibromoethane (EDB)	210	---	5.00	ug/L	10	200	ND	105	77-121%	---	---	
Dibromomethane	224	---	10.0	ug/L	10	200	ND	112	79-123%	---	---	
1,2-Dichlorobenzene	214	---	5.00	ug/L	10	200	ND	107	80-120%	---	---	
1,3-Dichlorobenzene	219	---	5.00	ug/L	10	200	ND	110	80-120%	---	---	
1,4-Dichlorobenzene	201	---	5.00	ug/L	10	200	ND	100	79-120%	---	---	
Dichlorodifluoromethane	207	---	10.0	ug/L	10	200	ND	104	32-152%	---	---	
1,1-Dichloroethane	218	---	4.00	ug/L	10	200	ND	109	77-125%	---	---	
1,2-Dichloroethane (EDC)	216	---	4.00	ug/L	10	200	ND	108	73-128%	---	---	
1,1-Dichloroethene	208	---	4.00	ug/L	10	200	ND	104	71-131%	---	---	
cis-1,2-Dichloroethene	226	---	4.00	ug/L	10	200	ND	113	78-123%	---	---	
trans-1,2-Dichloroethene	226	---	4.00	ug/L	10	200	ND	113	75-124%	---	---	
1,2-Dichloropropane	216	---	5.00	ug/L	10	200	ND	108	78-122%	---	---	
1,3-Dichloropropane	218	---	10.0	ug/L	10	200	ND	109	80-120%	---	---	
2,2-Dichloropropane	279	---	10.0	ug/L	10	200	ND	139	60-139%	---	---	Q-54e
1,1-Dichloropropene	234	---	10.0	ug/L	10	200	ND	117	79-125%	---	---	
cis-1,3-Dichloropropene	212	---	10.0	ug/L	10	200	ND	106	75-124%	---	---	
trans-1,3-Dichloropropene	210	---	20.0	ug/L	10	200	ND	105	73-127%	---	---	
Ethylbenzene	229	---	5.00	ug/L	10	200	ND	115	79-121%	---	---	
Hexachlorobutadiene	310	---	50.0	ug/L	10	200	ND	**155**	**66-134%**	---	---	Q-01
2-Hexanone	461	---	100	ug/L	10	400	ND	115	57-139%	---	---	
Isopropylbenzene	234	---	40.0	ug/L	10	200	ND	117	72-131%	---	---	
4-Isopropyltoluene	244	---	10.0	ug/L	10	200	8.20	118	77-127%	---	---	
Methylene chloride	200	---	100	ug/L	10	200	ND	100	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	483	---	100	ug/L	10	400	ND	121	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	225	---	10.0	ug/L	10	200	ND	112	71-124%	---	---	
Naphthalene	244	---	40.0	ug/L	10	200	ND	122	61-128%	---	---	
n-Propylbenzene	228	---	5.00	ug/L	10	200	ND	114	76-126%	---	---	
Styrene	217	---	10.0	ug/L	10	200	ND	109	78-123%	---	---	
1,1,1,2-Tetrachloroethane	209	---	10.0	ug/L	10	200	ND	104	78-124%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100910 - EPA 5030B							**Water**					
Matrix Spike (0100910-MS1)			Prepared: 10/27/20 10:00		Analyzed: 10/27/20 14:36							**V-13**
QC Source Sample: Non-SDG (A0J0866-01)												
1,1,2,2-Tetrachloroethane	205	---	5.00	ug/L	10	200	ND	102	71-121%	---	---	
Tetrachloroethene (PCE)	223	---	4.00	ug/L	10	200	ND	112	74-129%	---	---	
Toluene	207	---	10.0	ug/L	10	200	ND	104	80-121%	---	---	
1,2,3-Trichlorobenzene	260	---	20.0	ug/L	10	200	ND	**130**	**69-129%**	---	---	Q-01
1,2,4-Trichlorobenzene	254	---	20.0	ug/L	10	200	ND	127	69-130%	---	---	
1,1,1-Trichloroethane	239	---	4.00	ug/L	10	200	ND	119	74-131%	---	---	
1,1,2-Trichloroethane	216	---	5.00	ug/L	10	200	ND	108	80-120%	---	---	
Trichloroethene (TCE)	205	---	4.00	ug/L	10	200	ND	103	79-123%	---	---	
Trichlorofluoromethane	219	---	20.0	ug/L	10	200	ND	109	65-141%	---	---	
1,2,3-Trichloropropane	210	---	10.0	ug/L	10	200	ND	105	73-122%	---	---	
1,2,4-Trimethylbenzene	229	---	10.0	ug/L	10	200	ND	114	76-124%	---	---	
1,3,5-Trimethylbenzene	246	---	10.0	ug/L	10	200	ND	123	75-124%	---	---	
Vinyl chloride	214	---	4.00	ug/L	10	200	ND	107	58-137%	---	---	
m,p-Xylene	494	---	10.0	ug/L	10	400	ND	**123**	**80-121%**	---	---	Q-01
o-Xylene	260	---	5.00	ug/L	10	200	ND	**130**	**78-122%**	---	---	Q-01
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 96 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*			*"*				

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Blank (0100917-BLK1)			Prepared: 10/27/20 09:00		Analyzed: 10/27/20 11:10							
5035A/8260D												
Acetone	ND	---	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Blank (0100917-BLK1)			Prepared: 10/27/20 09:00		Analyzed: 10/27/20 11:10							
1,2-Dichloropropane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 101 %* *Limits: 80-120 %* *Dilution: 1x*

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Blank (0100917-BLK1)				Prepared: 10/27/20 09:00 Analyzed: 10/27/20 11:10								
Surr: Toluene-d8 (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*			*"*					
LCS (0100917-BS1)				Prepared: 10/27/20 09:00 Analyzed: 10/27/20 10:16								
5035A/8260D												
Acetone	1.83	---	1.00	mg/kg wet	50	2.00	---	91	80-120%	---	---	
Acrylonitrile	1.03	---	0.100	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Benzene	1.10	---	0.0100	mg/kg wet	50	1.00	---	110	80-120%	---	---	
Bromobenzene	1.08	---	0.0250	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Bromochloromethane	0.968	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Bromodichloromethane	1.15	---	0.0500	mg/kg wet	50	1.00	---	115	80-120%	---	---	
Bromoform	0.987	---	0.100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Bromomethane	0.947	---	0.500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
2-Butanone (MEK)	1.95	---	0.500	mg/kg wet	50	2.00	---	97	80-120%	---	---	
n-Butylbenzene	1.11	---	0.0500	mg/kg wet	50	1.00	---	111	80-120%	---	---	
sec-Butylbenzene	1.12	---	0.0500	mg/kg wet	50	1.00	---	112	80-120%	---	---	
tert-Butylbenzene	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
Carbon disulfide	1.12	---	0.500	mg/kg wet	50	1.00	---	112	80-120%	---	---	
Carbon tetrachloride	1.16	---	0.0500	mg/kg wet	50	1.00	---	116	80-120%	---	---	
Chlorobenzene	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Chloroethane	0.898	---	0.500	mg/kg wet	50	1.00	---	90	80-120%	---	---	
Chloroform	1.16	---	0.0500	mg/kg wet	50	1.00	---	116	80-120%	---	---	
Chloromethane	0.921	---	0.250	mg/kg wet	50	1.00	---	92	80-120%	---	---	
2-Chlorotoluene	1.10	---	0.0500	mg/kg wet	50	1.00	---	110	80-120%	---	---	
4-Chlorotoluene	1.16	---	0.0500	mg/kg wet	50	1.00	---	116	80-120%	---	---	
Dibromochloromethane	1.01	---	0.100	mg/kg wet	50	1.00	---	101	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.937	---	0.250	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,2-Dibromoethane (EDB)	1.06	---	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Dibromomethane	1.08	---	0.0500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
1,2-Dichlorobenzene	1.09	---	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,3-Dichlorobenzene	1.10	---	0.0250	mg/kg wet	50	1.00	---	110	80-120%	---	---	
1,4-Dichlorobenzene	1.00	---	0.0250	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Dichlorodifluoromethane	0.957	---	0.100	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,1-Dichloroethane	1.12	---	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
LCS (0100917-BS1)			Prepared: 10/27/20 09:00 Analyzed: 10/27/20 10:16									
1,2-Dichloroethane (EDC)	1.09	---	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,1-Dichloroethene	1.03	---	0.0250	mg/kg wet	50	1.00	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	1.09	---	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	
trans-1,2-Dichloroethene	1.12	---	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,2-Dichloropropane	1.10	---	0.0250	mg/kg wet	50	1.00	---	110	80-120%	---	---	
1,3-Dichloropropane	1.10	---	0.0500	mg/kg wet	50	1.00	---	110	80-120%	---	---	
2,2-Dichloropropane	1.28	---	0.0500	mg/kg wet	50	1.00	---	**128**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
cis-1,3-Dichloropropene	1.02	---	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
trans-1,3-Dichloropropene	0.998	---	0.100	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Ethylbenzene	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Hexachlorobutadiene	1.03	---	0.100	mg/kg wet	50	1.00	---	103	80-120%	---	---	
2-Hexanone	1.74	---	0.500	mg/kg wet	50	2.00	---	87	80-120%	---	---	
Isopropylbenzene	1.06	---	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
4-Isopropyltoluene	1.12	---	0.0500	mg/kg wet	50	1.00	---	112	80-120%	---	---	
Methylene chloride	0.989	---	0.500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.96	---	0.500	mg/kg wet	50	2.00	---	98	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1.09	---	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
Naphthalene	0.912	---	0.100	mg/kg wet	50	1.00	---	91	80-120%	---	---	
n-Propylbenzene	1.11	---	0.0250	mg/kg wet	50	1.00	---	111	80-120%	---	---	
Styrene	0.940	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,1,1,2-Tetrachloroethane	0.979	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1.22	---	0.0500	mg/kg wet	50	1.00	---	**122**	**80-120%**	---	---	Q-56
Tetrachloroethene (PCE)	0.994	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Toluene	0.999	---	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	0.996	---	0.250	mg/kg wet	50	1.00	---	100	80-120%	---	---	
1,2,4-Trichlorobenzene	1.02	---	0.250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
1,1,1-Trichloroethane	1.15	---	0.0250	mg/kg wet	50	1.00	---	115	80-120%	---	---	
1,1,2-Trichloroethane	1.06	---	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Trichloroethene (TCE)	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Trichlorofluoromethane	0.667	---	0.100	mg/kg wet	50	1.00	---	**67**	**80-120%**	---	---	Q-55
1,2,3-Trichloropropane	1.08	---	0.0500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
1,2,4-Trimethylbenzene	1.14	---	0.0500	mg/kg wet	50	1.00	---	114	80-120%	---	---	
1,3,5-Trimethylbenzene	1.14	---	0.0500	mg/kg wet	50	1.00	---	114	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
LCS (0100917-BS1)			Prepared: 10/27/20 09:00		Analyzed: 10/27/20 10:16							
Vinyl chloride	0.885	---	0.0250	mg/kg wet	50	1.00	---	88	80-120%	---	---	
m,p-Xylene	2.20	---	0.0500	mg/kg wet	50	2.00	---	110	80-120%	---	---	
o-Xylene	1.08	---	0.0250	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*			*"*				
Duplicate (0100917-DUP1)			Prepared: 10/23/20 09:50		Analyzed: 10/27/20 14:48							
QC Source Sample: B1 Soil(-3) (A0J0848-01)												
5035A/8260D												
Acetone	ND	---	1.42	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	0.0142	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	0.354	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	0.354	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Duplicate (0100917-DUP1)			Prepared: 10/23/20 09:50 Analyzed: 10/27/20 14:48									
QC Source Sample: B1 Soil(-3) (A0J0848-01)												
1,2-Dichlorobenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	0.708	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	0.354	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	0.354	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Duplicate (0100917-DUP1)			Prepared: 10/23/20 09:50 Analyzed: 10/27/20 14:48									
QC Source Sample: B1 Soil(-3) (A0J0848-01)												
1,1,2-Trichloroethane	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	0.142	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	0.0708	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.0354	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0100917-MS1)			Prepared: 10/23/20 12:50 Analyzed: 10/27/20 16:37									
QC Source Sample: B2 Soil(-3) (A0J0848-03)												
5035A/8260D												
Acetone	2.55	---	1.33	mg/kg dry	50	2.65	ND	96	36-164%	---	---	
Acrylonitrile	1.44	---	0.133	mg/kg dry	50	1.33	ND	108	65-134%	---	---	
Benzene	1.40	---	0.0133	mg/kg dry	50	1.33	ND	105	77-121%	---	---	
Bromobenzene	1.36	---	0.0332	mg/kg dry	50	1.33	ND	102	78-121%	---	---	
Bromochloromethane	1.29	---	0.0663	mg/kg dry	50	1.33	ND	97	78-125%	---	---	
Bromodichloromethane	1.52	---	0.0663	mg/kg dry	50	1.33	ND	114	75-127%	---	---	
Bromoform	1.38	---	0.133	mg/kg dry	50	1.33	ND	104	67-132%	---	---	
Bromomethane	1.25	---	0.663	mg/kg dry	50	1.33	ND	94	53-143%	---	---	
2-Butanone (MEK)	2.73	---	0.663	mg/kg dry	50	2.65	ND	103	51-148%	---	---	
n-Butylbenzene	1.32	---	0.0663	mg/kg dry	50	1.33	ND	99	70-128%	---	---	
sec-Butylbenzene	1.33	---	0.0663	mg/kg dry	50	1.33	ND	101	73-126%	---	---	
tert-Butylbenzene	1.35	---	0.0663	mg/kg dry	50	1.33	ND	102	73-125%	---	---	
Carbon disulfide	1.38	---	0.663	mg/kg dry	50	1.33	ND	104	63-132%	---	---	
Carbon tetrachloride	1.50	---	0.0663	mg/kg dry	50	1.33	ND	113	70-135%	---	---	
Chlorobenzene	1.36	---	0.0332	mg/kg dry	50	1.33	ND	103	79-120%	---	---	
Chloroethane	1.31	---	0.663	mg/kg dry	50	1.33	ND	99	59-139%	---	---	
Chloroform	1.48	---	0.0663	mg/kg dry	50	1.33	ND	111	78-123%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Matrix Spike (0100917-MS1)			Prepared: 10/23/20 12:50 Analyzed: 10/27/20 16:37									
QC Source Sample: B2 Soil(-3) (A0J0848-03)												
Chloromethane	1.11	---	0.332	mg/kg dry	50	1.33	ND	84	50-136%	---	---	
2-Chlorotoluene	1.35	---	0.0663	mg/kg dry	50	1.33	ND	102	75-122%	---	---	
4-Chlorotoluene	1.45	---	0.0663	mg/kg dry	50	1.33	ND	109	72-124%	---	---	
Dibromochloromethane	1.35	---	0.133	mg/kg dry	50	1.33	ND	102	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1.25	---	0.332	mg/kg dry	50	1.33	ND	94	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.43	---	0.0663	mg/kg dry	50	1.33	ND	108	78-122%	---	---	
Dibromomethane	1.41	---	0.0663	mg/kg dry	50	1.33	ND	107	78-125%	---	---	
1,2-Dichlorobenzene	1.42	---	0.0332	mg/kg dry	50	1.33	ND	107	78-121%	---	---	
1,3-Dichlorobenzene	1.38	---	0.0332	mg/kg dry	50	1.33	ND	104	77-121%	---	---	
1,4-Dichlorobenzene	1.29	---	0.0332	mg/kg dry	50	1.33	ND	97	75-120%	---	---	
Dichlorodifluoromethane	1.20	---	0.133	mg/kg dry	50	1.33	ND	90	29-149%	---	---	
1,1-Dichloroethane	1.45	---	0.0332	mg/kg dry	50	1.33	ND	109	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.44	---	0.0332	mg/kg dry	50	1.33	ND	109	73-128%	---	---	
1,1-Dichloroethene	1.28	---	0.0332	mg/kg dry	50	1.33	ND	96	70-131%	---	---	
cis-1,2-Dichloroethene	1.37	---	0.0332	mg/kg dry	50	1.33	ND	103	77-123%	---	---	
trans-1,2-Dichloroethene	1.40	---	0.0332	mg/kg dry	50	1.33	ND	106	74-125%	---	---	
1,2-Dichloropropane	1.41	---	0.0332	mg/kg dry	50	1.33	ND	106	76-123%	---	---	
1,3-Dichloropropane	1.46	---	0.0663	mg/kg dry	50	1.33	ND	110	77-121%	---	---	
2,2-Dichloropropane	1.48	---	0.0663	mg/kg dry	50	1.33	ND	112	67-133%	---	---	Q-54f
1,1-Dichloropropene	1.39	---	0.0663	mg/kg dry	50	1.33	ND	105	76-125%	---	---	
cis-1,3-Dichloropropene	1.30	---	0.0663	mg/kg dry	50	1.33	ND	98	74-126%	---	---	
trans-1,3-Dichloropropene	1.30	---	0.133	mg/kg dry	50	1.33	ND	98	71-130%	---	---	
Ethylbenzene	1.37	---	0.0332	mg/kg dry	50	1.33	ND	104	76-122%	---	---	
Hexachlorobutadiene	1.18	---	0.133	mg/kg dry	50	1.33	ND	89	61-135%	---	---	
2-Hexanone	2.61	---	0.663	mg/kg dry	50	2.65	ND	99	53-145%	---	---	
Isopropylbenzene	1.35	---	0.0663	mg/kg dry	50	1.33	ND	102	68-134%	---	---	
4-Isopropyltoluene	1.33	---	0.0663	mg/kg dry	50	1.33	ND	100	73-127%	---	---	
Methylene chloride	1.26	---	0.663	mg/kg dry	50	1.33	ND	95	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2.85	---	0.663	mg/kg dry	50	2.65	ND	107	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.40	---	0.0663	mg/kg dry	50	1.33	ND	106	73-125%	---	---	
Naphthalene	1.20	---	0.133	mg/kg dry	50	1.33	ND	90	62-129%	---	---	
n-Propylbenzene	1.33	---	0.0332	mg/kg dry	50	1.33	ND	101	73-125%	---	---	
Styrene	1.26	---	0.0663	mg/kg dry	50	1.33	ND	95	76-124%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100917 - EPA 5035A							**Soil**					
Matrix Spike (0100917-MS1)			Prepared: 10/23/20 12:50		Analyzed: 10/27/20 16:37							
QC Source Sample: B2 Soil(-3) (A0J0848-03)												
1,1,1,2-Tetrachloroethane	1.31	---	0.0663	mg/kg dry	50	1.33	ND	99	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1.66	---	0.0663	mg/kg dry	50	1.33	ND	**125**	**70-124%**	---	---	Q-54b
Tetrachloroethene (PCE)	1.24	---	0.0332	mg/kg dry	50	1.33	ND	93	73-128%	---	---	
Toluene	1.29	---	0.0663	mg/kg dry	50	1.33	ND	97	77-121%	---	---	
1,2,3-Trichlorobenzene	1.31	---	0.332	mg/kg dry	50	1.33	ND	99	66-130%	---	---	
1,2,4-Trichlorobenzene	1.25	---	0.332	mg/kg dry	50	1.33	ND	95	67-129%	---	---	
1,1,1-Trichloroethane	1.49	---	0.0332	mg/kg dry	50	1.33	ND	112	73-130%	---	---	
1,1,2-Trichloroethane	1.43	---	0.0332	mg/kg dry	50	1.33	ND	108	78-121%	---	---	
Trichloroethene (TCE)	1.34	---	0.0332	mg/kg dry	50	1.33	ND	101	77-123%	---	---	
Trichlorofluoromethane	1.05	---	0.133	mg/kg dry	50	1.33	ND	79	62-140%	---	---	Q-54i
1,2,3-Trichloropropane	1.47	---	0.0663	mg/kg dry	50	1.33	ND	111	73-125%	---	---	
1,2,4-Trimethylbenzene	1.40	---	0.0663	mg/kg dry	50	1.33	ND	105	75-123%	---	---	
1,3,5-Trimethylbenzene	1.37	---	0.0663	mg/kg dry	50	1.33	ND	103	73-124%	---	---	
Vinyl chloride	1.13	---	0.0332	mg/kg dry	50	1.33	ND	85	56-135%	---	---	
m,p-Xylene	2.86	---	0.0663	mg/kg dry	50	2.65	ND	108	77-124%	---	---	
o-Xylene	1.39	---	0.0332	mg/kg dry	50	1.33	ND	104	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*79-120 %*			*"*				

Apex Laboratories

Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 11:31									
5035A/8260D												
Acetone	ND	---	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:31							
1,2-Dichloropropane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 102 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)				Prepared: 10/28/20 09:00 Analyzed: 10/28/20 11:31								
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*			*"*					
LCS (0100957-BS1)				Prepared: 10/28/20 09:00 Analyzed: 10/28/20 10:37								
5035A/8260D												
Acetone	1.90	---	1.00	mg/kg wet	50	2.00	---	95	80-120%	---	---	
Acrylonitrile	0.990	---	0.100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Benzene	0.986	---	0.0100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Bromobenzene	0.966	---	0.0250	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Bromochloromethane	1.08	---	0.0500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Bromodichloromethane	1.07	---	0.0500	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Bromoform	0.977	---	0.100	mg/kg wet	50	1.00	---	98	80-120%	---	---	
Bromomethane	1.31	---	0.500	mg/kg wet	50	1.00	---	**131**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	1.88	---	0.500	mg/kg wet	50	2.00	---	94	80-120%	---	---	
n-Butylbenzene	0.931	---	0.0500	mg/kg wet	50	1.00	---	93	80-120%	---	---	
sec-Butylbenzene	0.977	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
tert-Butylbenzene	0.940	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Carbon disulfide	0.960	---	0.500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Carbon tetrachloride	1.19	---	0.0500	mg/kg wet	50	1.00	---	119	80-120%	---	---	
Chlorobenzene	0.961	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Chloroethane	1.20	---	0.500	mg/kg wet	50	1.00	---	120	80-120%	---	---	
Chloroform	1.11	---	0.0500	mg/kg wet	50	1.00	---	111	80-120%	---	---	
Chloromethane	0.918	---	0.250	mg/kg wet	50	1.00	---	92	80-120%	---	---	
2-Chlorotoluene	0.946	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
4-Chlorotoluene	0.952	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Dibromochloromethane	1.13	---	0.100	mg/kg wet	50	1.00	---	113	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.848	---	0.250	mg/kg wet	50	1.00	---	85	80-120%	---	---	
1,2-Dibromoethane (EDB)	0.977	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
Dibromomethane	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
1,2-Dichlorobenzene	0.948	---	0.0250	mg/kg wet	50	1.00	---	95	80-120%	---	---	
1,3-Dichlorobenzene	0.964	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,4-Dichlorobenzene	0.948	---	0.0250	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Dichlorodifluoromethane	1.12	---	0.100	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,1-Dichloroethane	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
LCS (0100957-BS1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 10:37							
1,2-Dichloroethane (EDC)	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,1-Dichloroethene	0.916	---	0.0250	mg/kg wet	50	1.00	---	92	80-120%	---	---	
cis-1,2-Dichloroethene	0.984	---	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
trans-1,2-Dichloroethene	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
1,2-Dichloropropane	0.994	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,3-Dichloropropane	0.962	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
2,2-Dichloropropane	1.12	---	0.0500	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,1-Dichloropropene	1.04	---	0.0500	mg/kg wet	50	1.00	---	104	80-120%	---	---	
cis-1,3-Dichloropropene	0.936	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
trans-1,3-Dichloropropene	1.09	---	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
Ethylbenzene	0.960	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Hexachlorobutadiene	0.943	---	0.100	mg/kg wet	50	1.00	---	94	80-120%	---	---	
2-Hexanone	1.66	---	0.500	mg/kg wet	50	2.00	---	83	80-120%	---	---	
Isopropylbenzene	0.951	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
4-Isopropyltoluene	0.920	---	0.0500	mg/kg wet	50	1.00	---	92	80-120%	---	---	
Methylene chloride	1.02	---	0.500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.70	---	0.500	mg/kg wet	50	2.00	---	85	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.990	---	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Naphthalene	0.902	---	0.100	mg/kg wet	50	1.00	---	90	80-120%	---	---	
n-Propylbenzene	0.970	---	0.0250	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Styrene	0.866	---	0.0500	mg/kg wet	50	1.00	---	87	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.11	---	0.0250	mg/kg wet	50	1.00	---	111	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1.02	---	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
Tetrachloroethene (PCE)	0.980	---	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
Toluene	0.944	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,2,3-Trichlorobenzene	0.930	---	0.250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
1,2,4-Trichlorobenzene	0.894	---	0.250	mg/kg wet	50	1.00	---	89	80-120%	---	---	
1,1,1-Trichloroethane	1.13	---	0.0250	mg/kg wet	50	1.00	---	113	80-120%	---	---	
1,1,2-Trichloroethane	0.994	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Trichloroethene (TCE)	0.988	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Trichlorofluoromethane	1.43	---	0.100	mg/kg wet	50	1.00	---	**143**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
1,2,4-Trimethylbenzene	0.941	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,3,5-Trimethylbenzene	0.958	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
LCS (0100957-BS1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 10:37							
Vinyl chloride	1.17	---	0.0250	mg/kg wet	50	1.00	---	117	80-120%	---	---	
m,p-Xylene	1.93	---	0.0500	mg/kg wet	50	2.00	---	96	80-120%	---	---	
o-Xylene	0.904	---	0.0250	mg/kg wet	50	1.00	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45		Analyzed: 10/28/20 16:33							
QC Source Sample: Non-SDG (A0J0600-02)												
Acetone	ND	---	1.08	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	0.0108	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45 Analyzed: 10/28/20 16:33									
QC Source Sample: Non-SDG (A0J0600-02)												
1,3-Dichlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45 Analyzed: 10/28/20 16:33									
QC Source Sample: Non-SDG (A0J0600-02)												
Trichloroethene (TCE)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30 Analyzed: 10/28/20 17:28									
QC Source Sample: B6 Soil(-13) (A0J0848-08)												
5035A/8260D												
Acetone	1.86	---	1.07	mg/kg dry	50	2.13	ND	87	36-164%	---	---	
Acrylonitrile	1.10	---	0.107	mg/kg dry	50	1.07	ND	103	65-134%	---	---	
Benzene	1.06	---	0.0107	mg/kg dry	50	1.07	ND	100	77-121%	---	---	
Bromobenzene	1.04	---	0.0267	mg/kg dry	50	1.07	ND	97	78-121%	---	---	
Bromochloromethane	1.09	---	0.0533	mg/kg dry	50	1.07	ND	102	78-125%	---	---	
Bromodichloromethane	1.11	---	0.0533	mg/kg dry	50	1.07	ND	104	75-127%	---	---	
Bromoform	1.02	---	0.107	mg/kg dry	50	1.07	ND	96	67-132%	---	---	
Bromomethane	1.29	---	0.533	mg/kg dry	50	1.07	ND	121	53-143%	---	---	Q-54a
2-Butanone (MEK)	2.38	---	0.533	mg/kg dry	50	2.13	ND	112	51-148%	---	---	
n-Butylbenzene	0.974	---	0.0533	mg/kg dry	50	1.07	0.0389	88	70-128%	---	---	
sec-Butylbenzene	1.02	---	0.0533	mg/kg dry	50	1.07	ND	95	73-126%	---	---	
tert-Butylbenzene	0.958	---	0.0533	mg/kg dry	50	1.07	ND	90	73-125%	---	---	
Carbon disulfide	0.947	---	0.533	mg/kg dry	50	1.07	ND	89	63-132%	---	---	
Carbon tetrachloride	1.21	---	0.0533	mg/kg dry	50	1.07	ND	114	70-135%	---	---	
Chlorobenzene	1.00	---	0.0267	mg/kg dry	50	1.07	ND	94	79-120%	---	---	
Chloroethane	1.12	---	0.533	mg/kg dry	50	1.07	ND	105	59-139%	---	---	
Chloroform	1.17	---	0.0533	mg/kg dry	50	1.07	ND	109	78-123%	---	---	
Chloromethane	0.883	---	0.267	mg/kg dry	50	1.07	ND	83	50-136%	---	---	

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30 Analyzed: 10/28/20 17:28									
QC Source Sample: B6 Soil(-13) (A0J0848-08)												
2-Chlorotoluene	1.02	---	0.0533	mg/kg dry	50	1.07	ND	95	75-122%	---	---	
4-Chlorotoluene	0.979	---	0.0533	mg/kg dry	50	1.07	ND	92	72-124%	---	---	
Dibromochloromethane	1.19	---	0.107	mg/kg dry	50	1.07	ND	112	74-126%	---	---	
1,2-Dibromo-3-chloropropane	0.926	---	0.267	mg/kg dry	50	1.07	ND	87	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.05	---	0.0533	mg/kg dry	50	1.07	ND	98	78-122%	---	---	
Dibromomethane	1.07	---	0.0533	mg/kg dry	50	1.07	ND	101	78-125%	---	---	
1,2-Dichlorobenzene	0.996	---	0.0267	mg/kg dry	50	1.07	ND	93	78-121%	---	---	
1,3-Dichlorobenzene	1.01	---	0.0267	mg/kg dry	50	1.07	ND	94	77-121%	---	---	
1,4-Dichlorobenzene	0.975	---	0.0267	mg/kg dry	50	1.07	ND	91	75-120%	---	---	
Dichlorodifluoromethane	1.07	---	0.107	mg/kg dry	50	1.07	ND	100	29-149%	---	---	
1,1-Dichloroethane	1.07	---	0.0267	mg/kg dry	50	1.07	ND	101	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.05	---	0.0267	mg/kg dry	50	1.07	ND	98	73-128%	---	---	
1,1-Dichloroethene	0.851	---	0.0267	mg/kg dry	50	1.07	ND	80	70-131%	---	---	
cis-1,2-Dichloroethene	1.05	---	0.0267	mg/kg dry	50	1.07	ND	99	77-123%	---	---	
trans-1,2-Dichloroethene	1.08	---	0.0267	mg/kg dry	50	1.07	ND	101	74-125%	---	---	
1,2-Dichloropropane	1.09	---	0.0267	mg/kg dry	50	1.07	ND	102	76-123%	---	---	
1,3-Dichloropropane	1.02	---	0.0533	mg/kg dry	50	1.07	ND	95	77-121%	---	---	
2,2-Dichloropropane	1.01	---	0.0533	mg/kg dry	50	1.07	ND	95	67-133%	---	---	
1,1-Dichloropropene	1.09	---	0.0533	mg/kg dry	50	1.07	ND	102	76-125%	---	---	
cis-1,3-Dichloropropene	1.01	---	0.0533	mg/kg dry	50	1.07	ND	94	74-126%	---	---	
trans-1,3-Dichloropropene	1.08	---	0.0533	mg/kg dry	50	1.07	ND	101	71-130%	---	---	
Ethylbenzene	0.996	---	0.0267	mg/kg dry	50	1.07	ND	93	76-122%	---	---	
Hexachlorobutadiene	1.01	---	0.107	mg/kg dry	50	1.07	ND	95	61-135%	---	---	
2-Hexanone	2.10	---	0.533	mg/kg dry	50	2.13	ND	98	53-145%	---	---	
Isopropylbenzene	1.05	---	0.0533	mg/kg dry	50	1.07	ND	98	68-134%	---	---	
4-Isopropyltoluene	0.977	---	0.0533	mg/kg dry	50	1.07	ND	92	73-127%	---	---	
Methylene chloride	1.07	---	0.533	mg/kg dry	50	1.07	ND	101	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2.32	---	0.533	mg/kg dry	50	2.13	ND	85	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.06	---	0.0533	mg/kg dry	50	1.07	ND	99	73-125%	---	---	
Naphthalene	1.03	---	0.107	mg/kg dry	50	1.07	ND	96	62-129%	---	---	
n-Propylbenzene	0.988	---	0.0267	mg/kg dry	50	1.07	ND	93	73-125%	---	---	
Styrene	0.970	---	0.0533	mg/kg dry	50	1.07	ND	91	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1.15	---	0.0267	mg/kg dry	50	1.07	ND	108	78-125%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30		Analyzed: 10/28/20 17:28							
QC Source Sample: B6 Soil(-13) (A0J0848-08)												
1,1,2,2-Tetrachloroethane	1.16	---	0.0533	mg/kg dry	50	1.07	ND	97	70-124%	---	---	
Tetrachloroethene (PCE)	1.04	---	0.0267	mg/kg dry	50	1.07	ND	97	73-128%	---	---	
Toluene	0.974	---	0.0533	mg/kg dry	50	1.07	ND	91	77-121%	---	---	
1,2,3-Trichlorobenzene	0.987	---	0.267	mg/kg dry	50	1.07	ND	93	66-130%	---	---	
1,2,4-Trichlorobenzene	0.980	---	0.267	mg/kg dry	50	1.07	ND	92	67-129%	---	---	
1,1,1-Trichloroethane	1.14	---	0.0267	mg/kg dry	50	1.07	ND	107	73-130%	---	---	
1,1,2-Trichloroethane	1.13	---	0.0267	mg/kg dry	50	1.07	ND	106	78-121%	---	---	
Trichloroethene (TCE)	1.10	---	0.0267	mg/kg dry	50	1.07	ND	103	77-123%	---	---	
Trichlorofluoromethane	1.13	---	0.107	mg/kg dry	50	1.07	ND	106	62-140%	---	---	Q-54c
1,2,3-Trichloropropane	1.06	---	0.0533	mg/kg dry	50	1.07	ND	99	73-125%	---	---	
1,2,4-Trimethylbenzene	0.959	---	0.0533	mg/kg dry	50	1.07	ND	90	75-123%	---	---	
1,3,5-Trimethylbenzene	0.977	---	0.0533	mg/kg dry	50	1.07	ND	92	73-124%	---	---	
Vinyl chloride	1.17	---	0.0267	mg/kg dry	50	1.07	ND	110	56-135%	---	---	
m,p-Xylene	2.02	---	0.0533	mg/kg dry	50	2.13	ND	95	77-124%	---	---	
o-Xylene	1.01	---	0.0267	mg/kg dry	50	1.07	ND	95	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Blank (0101003-BLK1)			Prepared: 10/29/20 09:00 Analyzed: 10/29/20 11:25									
5035A/8260D												
Acetone	ND	---	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Blank (0101003-BLK1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 11:25							
1,2-Dichloropropane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 104 %* *Limits: 80-120 %* *Dilution: 1x*

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Blank (0101003-BLK1)			Prepared: 10/29/20 09:00 Analyzed: 10/29/20 11:25									
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*			*"*					
LCS (0101003-BS1)			Prepared: 10/29/20 09:00 Analyzed: 10/29/20 10:30									
5035A/8260D												
Acetone	2.06	---	1.00	mg/kg wet	50	2.00	---	103	80-120%	---	---	
Acrylonitrile	1.07	---	0.100	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Benzene	1.06	---	0.0100	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Bromobenzene	1.03	---	0.0250	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Bromochloromethane	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
Bromodichloromethane	1.14	---	0.0500	mg/kg wet	50	1.00	---	114	80-120%	---	---	
Bromoform	1.03	---	0.100	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Bromomethane	1.28	---	0.500	mg/kg wet	50	1.00	---	**128**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	2.02	---	0.500	mg/kg wet	50	2.00	---	101	80-120%	---	---	
n-Butylbenzene	0.946	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
sec-Butylbenzene	1.02	---	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
tert-Butylbenzene	0.974	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Carbon disulfide	0.974	---	0.500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Carbon tetrachloride	1.29	---	0.0500	mg/kg wet	50	1.00	---	**129**	**80-120%**	---	---	Q-56
Chlorobenzene	1.03	---	0.0250	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Chloroethane	1.07	---	0.500	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Chloroform	1.19	---	0.0500	mg/kg wet	50	1.00	---	119	80-120%	---	---	
Chloromethane	0.931	---	0.250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
2-Chlorotoluene	0.978	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
4-Chlorotoluene	1.00	---	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Dibromochloromethane	1.21	---	0.100	mg/kg wet	50	1.00	---	**121**	**80-120%**	---	---	Q-56
1,2-Dibromo-3-chloropropane	0.856	---	0.250	mg/kg wet	50	1.00	---	86	80-120%	---	---	
1,2-Dibromoethane (EDB)	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Dibromomethane	1.09	---	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,2-Dichlorobenzene	0.985	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,3-Dichlorobenzene	1.01	---	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
1,4-Dichlorobenzene	0.990	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Dichlorodifluoromethane	1.19	---	0.100	mg/kg wet	50	1.00	---	119	80-120%	---	---	
1,1-Dichloroethane	1.12	---	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
LCS (0101003-BS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 10:30							
1,2-Dichloroethane (EDC)	1.11	---	0.0250	mg/kg wet	50	1.00	---	111	80-120%	---	---	
1,1-Dichloroethene	0.904	---	0.0250	mg/kg wet	50	1.00	---	90	80-120%	---	---	
cis-1,2-Dichloroethene	1.06	---	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
trans-1,2-Dichloroethene	1.16	---	0.0250	mg/kg wet	50	1.00	---	116	80-120%	---	---	
1,2-Dichloropropane	1.06	---	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
1,3-Dichloropropane	1.01	---	0.0500	mg/kg wet	50	1.00	---	101	80-120%	---	---	
2,2-Dichloropropane	1.18	---	0.0500	mg/kg wet	50	1.00	---	118	80-120%	---	---	
1,1-Dichloropropene	1.11	---	0.0500	mg/kg wet	50	1.00	---	111	80-120%	---	---	
cis-1,3-Dichloropropene	0.971	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
trans-1,3-Dichloropropene	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
Ethylbenzene	1.02	---	0.0250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
Hexachlorobutadiene	1.00	---	0.100	mg/kg wet	50	1.00	---	100	80-120%	---	---	
2-Hexanone	1.72	---	0.500	mg/kg wet	50	2.00	---	86	80-120%	---	---	
Isopropylbenzene	1.01	---	0.0500	mg/kg wet	50	1.00	---	101	80-120%	---	---	
4-Isopropyltoluene	0.964	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Methylene chloride	1.08	---	0.500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.76	---	0.500	mg/kg wet	50	2.00	---	88	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Naphthalene	0.926	---	0.100	mg/kg wet	50	1.00	---	93	80-120%	---	---	
n-Propylbenzene	1.01	---	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
Styrene	0.915	---	0.0500	mg/kg wet	50	1.00	---	92	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.20	---	0.0250	mg/kg wet	50	1.00	---	120	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1.06	---	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Tetrachloroethene (PCE)	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Toluene	1.00	---	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	0.960	---	0.250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,2,4-Trichlorobenzene	0.932	---	0.250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
1,1,1-Trichloroethane	1.20	---	0.0250	mg/kg wet	50	1.00	---	120	80-120%	---	---	
1,1,2-Trichloroethane	1.04	---	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
Trichloroethene (TCE)	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Trichlorofluoromethane	1.24	---	0.100	mg/kg wet	50	1.00	---	**124**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	1.05	---	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,2,4-Trimethylbenzene	0.970	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
1,3,5-Trimethylbenzene	0.989	---	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
LCS (0101003-BS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 10:30							
Vinyl chloride	1.24	---	0.0250	mg/kg wet	50	1.00	---	**124**	**80-120%**	---	---	Q-56
m,p-Xylene	2.04	---	0.0500	mg/kg wet	50	2.00	---	102	80-120%	---	---	
o-Xylene	0.942	---	0.0250	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*79-120 %*			*"*				
Duplicate (0101003-DUP1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55							
QC Source Sample: Non-SDG (A0J0965-12)												
Acetone	ND	---	1.01	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	0.0101	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Duplicate (0101003-DUP1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55							
QC Source Sample: Non-SDG (A0J0965-12)												
1,3-Dichlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Duplicate (0101003-DUP1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55							
QC Source Sample: Non-SDG (A0J0965-12)												
Trichloroethene (TCE)	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0101003-MS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 19:12							
QC Source Sample: Non-SDG (A0J0965-17)												
5035A/8260D												
Acetone	2.24	---	1.14	mg/kg dry	50	2.28	ND	98	36-164%	---	---	
Acrylonitrile	1.24	---	0.114	mg/kg dry	50	1.14	ND	109	65-134%	---	---	
Benzene	1.28	---	0.0114	mg/kg dry	50	1.14	ND	113	77-121%	---	---	
Bromobenzene	1.22	---	0.0285	mg/kg dry	50	1.14	ND	107	78-121%	---	---	
Bromochloromethane	1.30	---	0.0569	mg/kg dry	50	1.14	ND	114	78-125%	---	---	
Bromodichloromethane	1.32	---	0.0569	mg/kg dry	50	1.14	ND	116	75-127%	---	---	
Bromoform	1.17	---	0.114	mg/kg dry	50	1.14	ND	103	67-132%	---	---	
Bromomethane	1.58	---	0.569	mg/kg dry	50	1.14	ND	139	53-143%	---	---	Q-54f
2-Butanone (MEK)	2.29	---	0.569	mg/kg dry	50	2.28	ND	100	51-148%	---	---	
n-Butylbenzene	1.08	---	0.0569	mg/kg dry	50	1.14	ND	95	70-128%	---	---	
sec-Butylbenzene	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	73-126%	---	---	
tert-Butylbenzene	1.11	---	0.0569	mg/kg dry	50	1.14	ND	98	73-125%	---	---	
Carbon disulfide	1.21	---	0.569	mg/kg dry	50	1.14	ND	106	63-132%	---	---	
Carbon tetrachloride	1.52	---	0.0569	mg/kg dry	50	1.14	ND	134	70-135%	---	---	Q-54g
Chlorobenzene	1.19	---	0.0285	mg/kg dry	50	1.14	ND	105	79-120%	---	---	
Chloroethane	1.42	---	0.569	mg/kg dry	50	1.14	ND	125	59-139%	---	---	
Chloroform	1.37	---	0.0569	mg/kg dry	50	1.14	ND	121	78-123%	---	---	
Chloromethane	1.13	---	0.285	mg/kg dry	50	1.14	ND	99	50-136%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Matrix Spike (0101003-MS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 19:12							
QC Source Sample: Non-SDG (A0J0965-17)												
2-Chlorotoluene	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	75-122%	---	---	
4-Chlorotoluene	1.14	---	0.0569	mg/kg dry	50	1.14	ND	100	72-124%	---	---	
Dibromochloromethane	1.35	---	0.114	mg/kg dry	50	1.14	ND	119	74-126%	---	---	Q-54
1,2-Dibromo-3-chloropropane	0.971	---	0.285	mg/kg dry	50	1.14	ND	85	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.18	---	0.0569	mg/kg dry	50	1.14	ND	103	78-122%	---	---	
Dibromomethane	1.27	---	0.0569	mg/kg dry	50	1.14	ND	111	78-125%	---	---	
1,2-Dichlorobenzene	1.14	---	0.0285	mg/kg dry	50	1.14	ND	100	78-121%	---	---	
1,3-Dichlorobenzene	1.19	---	0.0285	mg/kg dry	50	1.14	ND	105	77-121%	---	---	
1,4-Dichlorobenzene	1.15	---	0.0285	mg/kg dry	50	1.14	ND	101	75-120%	---	---	
Dichlorodifluoromethane	1.41	---	0.114	mg/kg dry	50	1.14	ND	124	29-149%	---	---	
1,1-Dichloroethane	1.32	---	0.0285	mg/kg dry	50	1.14	ND	116	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.24	---	0.0285	mg/kg dry	50	1.14	ND	109	73-128%	---	---	
1,1-Dichloroethene	1.07	---	0.0285	mg/kg dry	50	1.14	ND	94	70-131%	---	---	
cis-1,2-Dichloroethene	1.26	---	0.0285	mg/kg dry	50	1.14	ND	111	77-123%	---	---	
trans-1,2-Dichloroethene	1.36	---	0.0285	mg/kg dry	50	1.14	ND	120	74-125%	---	---	
1,2-Dichloropropane	1.28	---	0.0285	mg/kg dry	50	1.14	ND	112	76-123%	---	---	
1,3-Dichloropropane	1.15	---	0.0569	mg/kg dry	50	1.14	ND	101	77-121%	---	---	
2,2-Dichloropropane	1.21	---	0.0569	mg/kg dry	50	1.14	ND	107	67-133%	---	---	
1,1-Dichloropropene	1.36	---	0.0569	mg/kg dry	50	1.14	ND	119	76-125%	---	---	
cis-1,3-Dichloropropene	1.13	---	0.0569	mg/kg dry	50	1.14	ND	100	74-126%	---	---	
trans-1,3-Dichloropropene	1.23	---	0.0569	mg/kg dry	50	1.14	ND	108	71-130%	---	---	
Ethylbenzene	1.19	---	0.0285	mg/kg dry	50	1.14	ND	104	76-122%	---	---	
Hexachlorobutadiene	1.14	---	0.114	mg/kg dry	50	1.14	ND	100	61-135%	---	---	
2-Hexanone	1.92	---	0.569	mg/kg dry	50	2.28	ND	84	53-145%	---	---	
Isopropylbenzene	1.20	---	0.0569	mg/kg dry	50	1.14	ND	106	68-134%	---	---	
4-Isopropyltoluene	1.12	---	0.0569	mg/kg dry	50	1.14	ND	99	73-127%	---	---	
Methylene chloride	1.32	---	0.569	mg/kg dry	50	1.14	ND	116	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	1.99	---	0.569	mg/kg dry	50	2.28	ND	88	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.22	---	0.0569	mg/kg dry	50	1.14	ND	107	73-125%	---	---	
Naphthalene	1.09	---	0.114	mg/kg dry	50	1.14	ND	96	62-129%	---	---	
n-Propylbenzene	1.17	---	0.0285	mg/kg dry	50	1.14	ND	103	73-125%	---	---	
Styrene	1.08	---	0.0569	mg/kg dry	50	1.14	ND	95	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1.35	---	0.0285	mg/kg dry	50	1.14	ND	119	78-125%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Matrix Spike (0101003-MS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 19:12							
QC Source Sample: Non-SDG (A0J0965-17)												
1,1,2,2-Tetrachloroethane	1.17	---	0.0569	mg/kg dry	50	1.14	ND	102	70-124%	---	---	
Tetrachloroethene (PCE)	1.26	---	0.0285	mg/kg dry	50	1.14	ND	111	73-128%	---	---	
Toluene	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	77-121%	---	---	
1,2,3-Trichlorobenzene	1.12	---	0.285	mg/kg dry	50	1.14	ND	99	66-130%	---	---	
1,2,4-Trichlorobenzene	1.10	---	0.285	mg/kg dry	50	1.14	ND	97	67-129%	---	---	
1,1,1-Trichloroethane	1.42	---	0.0285	mg/kg dry	50	1.14	ND	125	73-130%	---	---	
1,1,2-Trichloroethane	1.19	---	0.0285	mg/kg dry	50	1.14	ND	105	78-121%	---	---	
Trichloroethene (TCE)	1.34	---	0.0285	mg/kg dry	50	1.14	ND	117	77-123%	---	---	
Trichlorofluoromethane	1.43	---	0.114	mg/kg dry	50	1.14	ND	126	62-140%	---	---	Q-54d
1,2,3-Trichloropropane	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	73-125%	---	---	
1,2,4-Trimethylbenzene	1.13	---	0.0569	mg/kg dry	50	1.14	ND	99	75-123%	---	---	
1,3,5-Trimethylbenzene	1.15	---	0.0569	mg/kg dry	50	1.14	ND	101	73-124%	---	---	
Vinyl chloride	1.51	---	0.0285	mg/kg dry	50	1.14	ND	132	56-135%	---	---	Q-54d
m,p-Xylene	2.37	---	0.0569	mg/kg dry	50	2.28	ND	104	77-124%	---	---	
o-Xylene	1.13	---	0.0285	mg/kg dry	50	1.14	ND	100	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100963 - EPA 3546							**Soil**					
Blank (0100963-BLK1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 15:19							
EPA 8270E SIM												
Acenaphthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 91 %*		*Limits: 44-120 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*97 %*		*54-127 %*			*"*				
LCS (0100963-BS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 15:45							
EPA 8270E SIM												
Acenaphthene	0.763	---	0.0100	mg/kg wet	1	0.800	---	95	40-123%	---	---	
Acenaphthylene	0.784	---	0.0100	mg/kg wet	1	0.800	---	98	32-132%	---	---	
Anthracene	0.714	---	0.0100	mg/kg wet	1	0.800	---	89	47-123%	---	---	
Benz(a)anthracene	0.719	---	0.0100	mg/kg wet	1	0.800	---	90	49-126%	---	---	
Benzo(a)pyrene	0.691	---	0.0100	mg/kg wet	1	0.800	---	86	45-129%	---	---	
Benzo(b)fluoranthene	0.708	---	0.0100	mg/kg wet	1	0.800	---	89	45-132%	---	---	
Benzo(k)fluoranthene	0.731	---	0.0100	mg/kg wet	1	0.800	---	91	47-132%	---	---	
Benzo(g,h,i)perylene	0.667	---	0.0100	mg/kg wet	1	0.800	---	83	43-134%	---	---	
Chrysene	0.753	---	0.0100	mg/kg wet	1	0.800	---	94	50-124%	---	---	
Dibenz(a,h)anthracene	0.652	---	0.0100	mg/kg wet	1	0.800	---	82	45-134%	---	---	
Fluoranthene	0.717	---	0.0100	mg/kg wet	1	0.800	---	90	50-127%	---	---	
Fluorene	0.678	---	0.0100	mg/kg wet	1	0.800	---	85	43-125%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100963 - EPA 3546							**Soil**					
LCS (0100963-BS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 15:45							
Indeno(1,2,3-cd)pyrene	0.643	---	0.0100	mg/kg wet	1	0.800	---	80	45-133%	---	---	
Naphthalene	0.673	---	0.0100	mg/kg wet	1	0.800	---	84	35-123%	---	---	
Phenanthrene	0.699	---	0.0100	mg/kg wet	1	0.800	---	87	50-121%	---	---	
Pyrene	0.721	---	0.0100	mg/kg wet	1	0.800	---	90	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 93 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*96 %*		*54-127 %*				*"*			
Duplicate (0100963-DUP1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 16:38							
QC Source Sample: Non-SDG (A0J0600-02)												
Acenaphthene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	**0.0203**	---	0.0136	mg/kg dry	1	---	0.0320	---	---	**45**	**30%**	M-05, Q-17
Benzo(a)pyrene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Chrysene	**0.0309**	---	0.0136	mg/kg dry	1	---	0.0580	---	---	**61**	**30%**	M-05, Q-17
Dibenz(a,h)anthracene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	**0.0142**	---	0.0136	mg/kg dry	1	---	0.0189	---	---	28	30%	
Fluorene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Phenanthrene	**0.0209**	---	0.0136	mg/kg dry	1	---	0.0229	---	---	9	30%	
Pyrene	**0.0387**	---	0.0136	mg/kg dry	1	---	0.0555	---	---	**36**	**30%**	Q-17
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 80 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*88 %*		*54-127 %*				*"*			
Matrix Spike (0100963-MS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 18:50							
QC Source Sample: Non-SDG (A0J0859-01RE1)												
EPA 8270E SIM												
Acenaphthene	0.741	---	0.00991	mg/kg wet	1	0.793	ND	94	40-123%	---	---	
Acenaphthylene	0.759	---	0.00991	mg/kg wet	1	0.793	ND	96	32-132%	---	---	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100963 - EPA 3546							**Soil**					
Matrix Spike (0100963-MS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 18:50							
QC Source Sample: Non-SDG (A0J0859-01RE1)												
Anthracene	0.687	---	0.00991	mg/kg wet	1	0.793	ND	87	47-123%	---	---	
Benz(a)anthracene	0.690	---	0.00991	mg/kg wet	1	0.793	ND	87	49-126%	---	---	
Benzo(a)pyrene	0.662	---	0.00991	mg/kg wet	1	0.793	ND	84	45-129%	---	---	
Benzo(b)fluoranthene	0.674	---	0.00991	mg/kg wet	1	0.793	ND	85	45-132%	---	---	
Benzo(k)fluoranthene	0.692	---	0.00991	mg/kg wet	1	0.793	ND	87	47-132%	---	---	
Benzo(g,h,i)perylene	0.652	---	0.00991	mg/kg wet	1	0.793	ND	82	43-134%	---	---	
Chrysene	0.721	---	0.00991	mg/kg wet	1	0.793	ND	91	50-124%	---	---	
Dibenz(a,h)anthracene	0.626	---	0.00991	mg/kg wet	1	0.793	ND	79	45-134%	---	---	
Fluoranthene	0.704	---	0.00991	mg/kg wet	1	0.793	ND	89	50-127%	---	---	
Fluorene	0.659	---	0.00991	mg/kg wet	1	0.793	ND	83	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	0.614	---	0.00991	mg/kg wet	1	0.793	ND	77	45-133%	---	---	
Naphthalene	0.656	---	0.00991	mg/kg wet	1	0.793	0.0117	81	35-123%	---	---	
Phenanthrene	0.678	---	0.00991	mg/kg wet	1	0.793	0.00976	84	50-121%	---	---	
Pyrene	0.702	---	0.00991	mg/kg wet	1	0.793	0.00541	88	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 90 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*94 %*		*54-127 %*				*"*			

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100986 - EPA 3510C (Acid Extraction)							**Water**					
Blank (0100986-BLK1)			Prepared: 10/28/20 14:37		Analyzed: 10/29/20 09:53							
EPA 8270E SIM												
Acenaphthene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.0727	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	---	0.0364	ug/L	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 67 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*85 %*		*50-134 %*				*"*			
LCS (0100986-BS1)			Prepared: 10/28/20 14:37		Analyzed: 10/29/20 10:19							
EPA 8270E SIM												
Acenaphthene	6.46	---	0.0400	ug/L	1	8.00	---	81	47-122%	---	---	
Acenaphthylene	6.63	---	0.0400	ug/L	1	8.00	---	83	41-130%	---	---	
Anthracene	6.36	---	0.0400	ug/L	1	8.00	---	80	57-123%	---	---	
Benz(a)anthracene	6.58	---	0.0400	ug/L	1	8.00	---	82	58-125%	---	---	
Benzo(a)pyrene	6.34	---	0.0400	ug/L	1	8.00	---	79	54-128%	---	---	
Benzo(b)fluoranthene	6.61	---	0.0400	ug/L	1	8.00	---	83	53-131%	---	---	
Benzo(k)fluoranthene	6.69	---	0.0400	ug/L	1	8.00	---	84	57-129%	---	---	
Benzo(g,h,i)perylene	6.19	---	0.0400	ug/L	1	8.00	---	77	50-134%	---	---	
Chrysene	6.89	---	0.0400	ug/L	1	8.00	---	86	59-123%	---	---	
Dibenz(a,h)anthracene	6.35	---	0.0400	ug/L	1	8.00	---	79	51-134%	---	---	
Fluoranthene	6.90	---	0.0400	ug/L	1	8.00	---	86	57-128%	---	---	
Fluorene	6.04	---	0.0400	ug/L	1	8.00	---	75	52-124%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100986 - EPA 3510C (Acid Extraction)							**Water**					
LCS (0100986-BS1)			Prepared: 10/28/20 14:37		Analyzed: 10/29/20 10:19							
Indeno(1,2,3-cd)pyrene	6.04	---	0.0400	ug/L	1	8.00	---	76	52-134%	---	---	
Naphthalene	5.19	---	0.0800	ug/L	1	8.00	---	65	40-121%	---	---	
Phenanthrene	6.24	---	0.0400	ug/L	1	8.00	---	78	59-120%	---	---	
Pyrene	6.85	---	0.0400	ug/L	1	8.00	---	86	57-126%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 76 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*86 %*		*50-134 %*				*"*			
LCS Dup (0100986-BSD1)			Prepared: 10/28/20 14:37		Analyzed: 10/29/20 10:45							**Q-19**
EPA 8270E SIM												
Acenaphthene	6.47	---	0.0400	ug/L	1	8.00	---	81	47-122%	0.1	30%	
Acenaphthylene	6.64	---	0.0400	ug/L	1	8.00	---	83	41-130%	0.2	30%	
Anthracene	6.24	---	0.0400	ug/L	1	8.00	---	78	57-123%	2	30%	
Benz(a)anthracene	6.50	---	0.0400	ug/L	1	8.00	---	81	58-125%	1	30%	
Benzo(a)pyrene	6.29	---	0.0400	ug/L	1	8.00	---	79	54-128%	0.9	30%	
Benzo(b)fluoranthene	6.50	---	0.0400	ug/L	1	8.00	---	81	53-131%	2	30%	
Benzo(k)fluoranthene	6.48	---	0.0400	ug/L	1	8.00	---	81	57-129%	3	30%	
Benzo(g,h,i)perylene	6.16	---	0.0400	ug/L	1	8.00	---	77	50-134%	0.4	30%	
Chrysene	6.76	---	0.0400	ug/L	1	8.00	---	84	59-123%	2	30%	
Dibenz(a,h)anthracene	6.25	---	0.0400	ug/L	1	8.00	---	78	51-134%	2	30%	
Fluoranthene	6.51	---	0.0400	ug/L	1	8.00	---	81	57-128%	6	30%	
Fluorene	6.06	---	0.0400	ug/L	1	8.00	---	76	52-124%	0.4	30%	
Indeno(1,2,3-cd)pyrene	5.92	---	0.0400	ug/L	1	8.00	---	74	52-134%	2	30%	
Naphthalene	5.31	---	0.0800	ug/L	1	8.00	---	66	40-121%	2	30%	
Phenanthrene	6.10	---	0.0400	ug/L	1	8.00	---	76	59-120%	2	30%	
Pyrene	6.43	---	0.0400	ug/L	1	8.00	---	80	57-126%	6	30%	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 75 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*89 %*		*50-134 %*				*"*			

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100953 - Total Solids (Dry Weight)							**Soil**					
Duplicate (0100953-DUP1)			Prepared: 10/28/20 08:30		Analyzed: 10/29/20 08:26							
QC Source Sample: Non-SDG (A0J0826-02)												
% Solids	**96.4**	---	1.00	%	1	---	96.4	---	---	0.03	10%	
Duplicate (0100953-DUP2)			Prepared: 10/28/20 08:30		Analyzed: 10/29/20 08:26							
QC Source Sample: Non-SDG (A0J0880-01)												
% Solids	**95.9**	---	1.00	%	1	---	96.3	---	---	0.4	10%	
Duplicate (0100953-DUP3)			Prepared: 10/28/20 17:56		Analyzed: 10/29/20 08:26							
QC Source Sample: B1 Soil(-3) (A0J0848-01)												
EPA 8000D												
% Solids	**82.0**	---	1.00	%	1	---	74.9	---	---	9	10%	
Duplicate (0100953-DUP4)			Prepared: 10/28/20 17:56		Analyzed: 10/29/20 08:26							
QC Source Sample: Non-SDG (A0J0948-02)												
% Solids	**76.0**	---	1.00	%	1	---	75.8	---	---	0.2	10%	
Duplicate (0100953-DUP5)			Prepared: 10/28/20 18:26		Analyzed: 10/29/20 08:26							
QC Source Sample: Non-SDG (A0J0956-04)												
% Solids	**78.7**	---	1.00	%	1	---	78.7	---	---	0.03	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0101020							
A0J0848-02	Water	NWTPH-Dx	10/23/20 11:50	10/29/20 11:05	1050mL/5mL	1000mL/5mL	0.95
A0J0848-09	Water	NWTPH-Dx	10/23/20 16:15	10/29/20 11:05	1040mL/5mL	1000mL/5mL	0.96
A0J0848-11	Water	NWTPH-Dx	10/23/20 18:00	10/29/20 11:05	1020mL/5mL	1000mL/5mL	0.98

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0101024							
A0J0848-01RE1	Soil	NWTPH-Dx	10/23/20 09:50	10/29/20 12:42	10.84g/5mL	10g/5mL	0.92
A0J0848-03	Soil	NWTPH-Dx	10/23/20 12:50	10/29/20 12:42	10.1g/5mL	10g/5mL	0.99
A0J0848-08	Soil	NWTPH-Dx	10/23/20 15:30	10/29/20 12:42	10.29g/5mL	10g/5mL	0.97
A0J0848-10	Soil	NWTPH-Dx	10/23/20 17:00	10/29/20 12:42	10.48g/5mL	10g/5mL	0.95

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100910							
A0J0848-09	Water	NWTPH-Gx (MS)	10/23/20 16:15	10/27/20 10:00	5mL/5mL	5mL/5mL	1.00
A0J0848-11	Water	NWTPH-Gx (MS)	10/23/20 18:00	10/27/20 10:00	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100917							
A0J0848-05	Soil	NWTPH-Gx (MS)	10/23/20 13:50	10/23/20 13:50	6.01g/5mL	5g/5mL	0.83
Batch: 0100957							
A0J0848-04RE1	Soil	NWTPH-Gx (MS)	10/23/20 13:20	10/23/20 13:20	5.55g/5mL	5g/5mL	0.90
A0J0848-06	Soil	NWTPH-Gx (MS)	10/23/20 14:00	10/23/20 14:00	3.65g/5mL	5g/5mL	1.37
A0J0848-07	Soil	NWTPH-Gx (MS)	10/23/20 14:40	10/23/20 14:40	4.61g/5mL	5g/5mL	1.08
A0J0848-08	Soil	NWTPH-Gx (MS)	10/23/20 15:30	10/23/20 15:30	6.2g/5mL	5g/5mL	0.81
Batch: 0101003							
A0J0848-10RE1	Soil	NWTPH-Gx (MS)	10/23/20 17:00	10/23/20 17:00	5.91g/5mL	5g/5mL	0.85

BTEX Compounds by EPA 8260D

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

SAMPLE PREPARATION INFORMATION

BTEX Compounds by EPA 8260D

Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 0100917							
A0J0848-03	Soil	5035A/8260D	10/23/20 12:50	10/23/20 12:50	6.05g/5mL	5g/5mL	0.83

Selected Volatile Organic Compounds by EPA 5035A/8260D

Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 0100957							
A0J0848-06	Soil	5035A/8260D	10/23/20 14:00	10/23/20 14:00	3.65g/5mL	5g/5mL	1.37
A0J0848-07	Soil	5035A/8260D	10/23/20 14:40	10/23/20 14:40	4.61g/5mL	5g/5mL	1.08

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 0100910							
A0J0848-02	Water	EPA 8260D	10/23/20 11:50	10/27/20 10:00	5mL/5mL	5mL/5mL	1.00
A0J0848-09	Water	EPA 8260D	10/23/20 16:15	10/27/20 10:00	5mL/5mL	5mL/5mL	1.00
A0J0848-11	Water	EPA 8260D	10/23/20 18:00	10/27/20 10:00	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 0100917							
A0J0848-01	Soil	5035A/8260D	10/23/20 09:50	10/23/20 09:50	4.69g/5mL	5g/5mL	1.07
A0J0848-05	Soil	5035A/8260D	10/23/20 13:50	10/23/20 13:50	6.01g/5mL	5g/5mL	0.83
Batch: 0100957							
A0J0848-08	Soil	5035A/8260D	10/23/20 15:30	10/23/20 15:30	6.2g/5mL	5g/5mL	0.81
Batch: 0101003							
A0J0848-10RE1	Soil	5035A/8260D	10/23/20 17:00	10/23/20 17:00	5.91g/5mL	5g/5mL	0.85

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Prep: EPA 3510C (Acid Extraction)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 0100986							
A0J0848-02	Water	EPA 8270E SIM	10/23/20 11:50	10/28/20 14:37	1050mL/2mL	1000mL/2mL	0.95

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

SAMPLE PREPARATION INFORMATION

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0J0848-09	Water	EPA 8270E SIM	10/23/20 16:15	10/28/20 14:37	1050mL/2mL	1000mL/2mL	0.95
A0J0848-11	Water	EPA 8270E SIM	10/23/20 18:00	10/28/20 14:37	1070mL/2mL	1000mL/2mL	0.94

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100963							
A0J0848-01	Soil	EPA 8270E SIM	10/23/20 09:50	10/28/20 10:12	10.66g/5mL	10g/5mL	0.94
A0J0848-03	Soil	EPA 8270E SIM	10/23/20 12:50	10/28/20 10:12	10.18g/5mL	10g/5mL	0.98
A0J0848-05	Soil	EPA 8270E SIM	10/23/20 13:50	10/28/20 10:12	10.26g/5mL	10g/5mL	0.98
A0J0848-08	Soil	EPA 8270E SIM	10/23/20 15:30	10/28/20 10:12	10.31g/5mL	10g/5mL	0.97
A0J0848-10	Soil	EPA 8270E SIM	10/23/20 17:00	10/28/20 10:12	10.07g/5mL	10g/5mL	0.99

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100953							
A0J0848-01	Soil	EPA 8000D	10/23/20 09:50	10/28/20 17:56			NA
A0J0848-03	Soil	EPA 8000D	10/23/20 12:50	10/28/20 17:56			NA
A0J0848-04	Soil	EPA 8000D	10/23/20 13:20	10/28/20 17:56			NA
A0J0848-05	Soil	EPA 8000D	10/23/20 13:50	10/28/20 17:56			NA
A0J0848-06	Soil	EPA 8000D	10/23/20 14:00	10/28/20 17:56			NA
A0J0848-07	Soil	EPA 8000D	10/23/20 14:40	10/28/20 17:56			NA
A0J0848-08	Soil	EPA 8000D	10/23/20 15:30	10/28/20 17:56			NA
A0J0848-10	Soil	EPA 8000D	10/23/20 17:00	10/28/20 17:56			NA

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

F-20	Result for Diesel is Estimated due to overlap from Gasoline Range Organics or other VOCs.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-17	RPD between original and duplicate sample is outside of established control limits.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +11%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +2%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +23%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +4%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +9%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -10%. The results are reported as Estimated Values.
Q-54i	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -13%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S-06	Surrogate recovery is outside of established control limits.
V-13	Reporting levels raised due to dilution necessary for analysis due to sample foaming in sparge vessel.

Apex Laboratories

Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

Apex Laboratories

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Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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Darwin Thomas, Business Development Director

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

APEX LABS

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A0J0848 COC 1 of 2

Company: Hudspeth Land+Water | Project Mgr: Amber Hudspeth | Project Name: AAS | Project #:

Address: 7485 SW Joshua Ct Powell Butte, OR 97753 | Phone: 5414202710 | Email: amber@HLWoregon.com mel@HLWoregon.com | PO #

Sampled by: Melissa Hubler

Site Location: (OR circled) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
B1 Soil (-3)		10/23/20	950	soil			X					X	X								
B1 GW		10/23/20	1150	GW			X					X	X								
B2 Soil (-3)		10/23/20	1250	soil			X		X				X								
B3 Soil (-3)		10/23/20	1320	soil				X													
B3 Soil (-10)		10/23/20	1350	soil				X				X	X								
B4 Soil (-3)		10/23/20	1400	soil				X		X											
B5 soil (-3)		10/23/20	1440	soil				X		X											
B6 Soil (-13)		10/23/20	1530	soil			X	X				X	X								
B6 GW		10/23/20	1615	GW			X	X				X	X								

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY (5 DAY circled) Other: ______

SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS:
- add cizmon@HLWoregon.com to invoices
- we have moved our office!

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature] Date: 10/24/20	Signature: [signature] Date: 10/24/20	Signature: Date:	Signature: Date:
Printed Name: Melissa Hubler Time: 900	Printed Name: Anissa Kapa Time: 934	Printed Name: Time:	Printed Name: Time:
Company: Hudspeth Land+Water	Company: Apex Labs	Company:	Company:

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

APEX LABS — CHAIN OF CUSTODY

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Lab # A0J0848 COC 2 of 2

Company: Hudspeth Land+Water | Project Mgr: Amber Hudspeth | Project Name: AAS | Project #:

Address: 7485 SW Joshua Ct Powell Butte, OR 97753 | Phone: 5414202710 | Email: amber@hlworegon.com mel@hlworegon.com | PO #

Sampled by: Melissa Hubler

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
B7 Soil (-13)		10/23/20	1700	soil			X	X				X	X								
B7 GW		10/23/20	1800	GW			X	X				X	X								

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY (5 DAY) Other: ____

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature] Date: 10/24/20	Signature: [signature] Date: 10/24/20	Signature: Date:	Signature: Date:
Printed Name: Melissa Hubler Time: 900	Printed Name: Anissa Kacpa Time: 934	Printed Name: Time:	Printed Name: Time:
Company: Hudspeth Land+Water	Company: Apex Labs	Company:	Company:

Apex Laboratories, LLC
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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

APEX LABS COOLER RECEIPT FORM

Client: Hudspeth Land + Water Element WO#: A0J0848

Project/Project #: AAS

Delivery Info:

Date/time received: 10/24/20 @ 934 By: AKK

Delivered by: Apex____Client X ESS____FedEx____UPS____Swift____Senvoy____SDS____Other_____

Cooler Inspection Date/time inspected: 10/24/20@ 934 By: AKK

Chain of Custody included? Yes X No ___ Custody seals? Yes_____ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	5.3	2.9					
Received on ice? (Y/N)	Y	Y					
Temp. blanks? (Y/N)	Y	Y*					
Ice type: (Gel/Real/Other)	Real	Real					
Condition:	Good	Good					

Cooler out of temp? (Y/N) Possible reason why:

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA

Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 10-24-20 @ 11:35 By: TAM

All samples intact? Yes Y No ___ Comments:

Bottle labels/COCs agree? Yes ___ No N Comments: See Form

COC/container discrepancies form initiated? Yes X No ___

Containers/volumes received appropriate for analysis? Yes X No ___ Comments:

Do VOA vials have visible headspace? Yes ___ No X NA ___

Comments all voas have sed.

Water samples: pH checked: Yes X No___NA___ pH appropriate? Yes X No___NA____

Comments:

Additional information:

Temp Blank away from ice, recorded cooler temp

Labeled by: Witness: Cooler Inspected by: See Project Contact Form: Y

Client

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Darwin Thomas, Business Development Director

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **[none]**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0848 - 11 30 20 0325**

WO# A0J0848

COC/Container Discrepancies

COC Reads	Container Reads/Comments
B1 Soil (-3)	B1 Soil
B2 Soil (-3)	B2 Soil
B3 Soil (-3)	B3 Soil
B4 Soil (-3)	B4 Soil
B5 Soil (-3)	B5 Soil
B6 Soil (-13)	B6 Soil
B7 Soil (-13)	B7 Soil

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503-718-2323
ORELAP ID: **OR100062**

Monday, November 30, 2020

Amber Hudspeth
Hudspeth Land+Water
7485 SW Joshua Ct.
Powell Butte, OR 97753

RE: A0J0859 - AAS - 2

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0J0859, which was received by the laboratory on 10/24/2020 at 9:34:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: dthomas@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler#1	5.3 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1 Soil (-17.5)	**A0J0859-01**	**Soil**	**10/23/20 11:15**	**10/24/20 09:34**
B2 Soil (-6)	**A0J0859-02**	**Soil**	**10/23/20 12:55**	**10/24/20 09:34**
B6 Soil (-18-23)	**A0J0859-03**	**Soil**	**10/23/20 15:50**	**10/24/20 09:34**

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Darwin Thomas, Business Development Director

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil (-17.5) (A0J0859-01)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	ND	---	25.0	mg/kg dry	1	10/30/20 00:40	NWTPH-Dx	
Oil	ND	---	50.1	mg/kg dry	1	10/30/20 00:40	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 93 %*		*Limits: 50-150 %*	*1*	*10/30/20 00:40*	*NWTPH-Dx*	
B2 Soil (-6) (A0J0859-02)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	**27.6**	---	25.0	mg/kg dry	1	10/30/20 01:02	NWTPH-Dx	**F-13**
Oil	ND	---	50.0	mg/kg dry	1	10/30/20 01:02	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*	*1*	*10/30/20 01:02*	*NWTPH-Dx*	
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0101024**		
Diesel	ND	---	25.0	mg/kg dry	1	10/30/20 01:24	NWTPH-Dx	
Oil	ND	---	50.0	mg/kg dry	1	10/30/20 01:24	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 93 %*		*Limits: 50-150 %*	*1*	*10/30/20 01:24*	*NWTPH-Dx*	

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7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0100957**		
Gasoline Range Organics	ND	---	5.35	mg/kg dry	50	10/28/20 20:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*108 %*	*Limits: 50-150 %*	*1*	*10/28/20 20:13*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*10/28/20 20:13*	*NWTPH-Gx (MS)*	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B2 Soil (-6) (A0J0859-02)				**Matrix: Soil**		**Batch: 0100957**		
Benzene	ND	---	0.0116	mg/kg dry	50	10/28/20 19:46	5035A/8260D	
Toluene	ND	---	0.0581	mg/kg dry	50	10/28/20 19:46	5035A/8260D	
Ethylbenzene	ND	---	0.0290	mg/kg dry	50	10/28/20 19:46	5035A/8260D	
Xylenes, total	ND	---	0.0871	mg/kg dry	50	10/28/20 19:46	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*10/28/20 19:46*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*10/28/20 19:46*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*	*1*	*10/28/20 19:46*	*5035A/8260D*	

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7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil (-17.5) (A0J0859-01RE1)				**Matrix: Soil**		**Batch: 0101003**		
Acetone	ND	---	1.37	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Acrylonitrile	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Benzene	ND	---	0.0137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Bromobenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Bromochloromethane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Bromodichloromethane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Bromoform	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Bromomethane	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
2-Butanone (MEK)	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
n-Butylbenzene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
sec-Butylbenzene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
tert-Butylbenzene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Carbon disulfide	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Carbon tetrachloride	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Chlorobenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Chloroethane	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Chloroform	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Chloromethane	ND	---	0.343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
2-Chlorotoluene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
4-Chlorotoluene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Dibromochloromethane	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Dibromomethane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2-Dichlorobenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,3-Dichlorobenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,4-Dichlorobenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Dichlorodifluoromethane	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1-Dichloroethane	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1-Dichloroethene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil (-17.5) (A0J0859-01RE1)				**Matrix: Soil**		**Batch: 0101003**		
1,2-Dichloropropane	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,3-Dichloropropane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
2,2-Dichloropropane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1-Dichloropropene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Ethylbenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Hexachlorobutadiene	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
2-Hexanone	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Isopropylbenzene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
4-Isopropyltoluene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Methylene chloride	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Naphthalene	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
n-Propylbenzene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Styrene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Toluene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	0.343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	0.343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1,1-Trichloroethane	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,1,2-Trichloroethane	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Trichloroethene (TCE)	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Trichlorofluoromethane	ND	---	0.137	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2,3-Trichloropropane	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
Vinyl chloride	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
m,p-Xylene	ND	---	0.0686	mg/kg dry	50	10/29/20 20:07	5035A/8260D	
o-Xylene	ND	---	0.0343	mg/kg dry	50	10/29/20 20:07	5035A/8260D	

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil (-17.5) (A0J0859-01RE1)				**Matrix: Soil**		**Batch: 0101003**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*10/29/20 20:07*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*10/29/20 20:07*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*10/29/20 20:07*	*5035A/8260D*	
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0100957**		
Acetone	ND	---	1.07	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Acrylonitrile	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Benzene	ND	---	0.0107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Bromobenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Bromochloromethane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Bromodichloromethane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Bromoform	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Bromomethane	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
2-Butanone (MEK)	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
n-Butylbenzene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
sec-Butylbenzene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
tert-Butylbenzene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Carbon disulfide	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Carbon tetrachloride	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Chlorobenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Chloroethane	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Chloroform	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Chloromethane	ND	---	0.268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
2-Chlorotoluene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
4-Chlorotoluene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Dibromochloromethane	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Dibromomethane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2-Dichlorobenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,3-Dichlorobenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,4-Dichlorobenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Dichlorodifluoromethane	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1-Dichloroethane	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0100957**		
1,2-Dichloroethane (EDC)	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1-Dichloroethene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2-Dichloropropane	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,3-Dichloropropane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
2,2-Dichloropropane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1-Dichloropropene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Ethylbenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Hexachlorobutadiene	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
2-Hexanone	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Isopropylbenzene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
4-Isopropyltoluene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Methylene chloride	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Naphthalene	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
n-Propylbenzene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Styrene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Toluene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	0.268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	0.268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1,1-Trichloroethane	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,1,2-Trichloroethane	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Trichloroethene (TCE)	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Trichlorofluoromethane	ND	---	0.107	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2,3-Trichloropropane	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0100957**		
1,3,5-Trimethylbenzene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Vinyl chloride	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
m,p-Xylene	ND	---	0.0535	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
o-Xylene	ND	---	0.0268	mg/kg dry	50	10/28/20 20:13	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 105 %*		*Limits: 80-120 %*	*1*	*10/28/20 20:13*	*5035A/8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*10/28/20 20:13*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*10/28/20 20:13*	*5035A/8260D*	

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil (-17.5) (A0J0859-01RE1)				**Matrix: Soil**		**Batch: 0100963**		
Acenaphthene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Anthracene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Chrysene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Fluoranthene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Fluorene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Naphthalene	**0.0154**	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Phenanthrene	**0.0129**	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Pyrene	ND	---	0.0129	mg/kg dry	1	10/28/20 18:23	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*88 %*	*Limits: 44-120 %*	*1*	*10/28/20 18:23*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*98 %*	*54-127 %*	*1*	*10/28/20 18:23*	*EPA 8270E SIM*	
B2 Soil (-6) (A0J0859-02)				**Matrix: Soil**		**Batch: 0100907**		
Acenaphthene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Anthracene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Chrysene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Fluoranthene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Fluorene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B2 Soil (-6) (A0J0859-02)				**Matrix: Soil**		**Batch: 0100907**		
Naphthalene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Phenanthrene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Pyrene	ND	---	0.0113	mg/kg dry	1	10/27/20 15:56	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*71 %*	*Limits: 44-120 %*	*1*	*10/27/20 15:56*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*75 %*	*54-127 %*	*1*	*10/27/20 15:56*	*EPA 8270E SIM*	
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0100907**		
Acenaphthene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Acenaphthylene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Anthracene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Benz(a)anthracene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Chrysene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Fluoranthene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Fluorene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Naphthalene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Phenanthrene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Pyrene	ND	---	0.0114	mg/kg dry	1	10/27/20 16:22	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*72 %*	*Limits: 44-120 %*	*1*	*10/27/20 16:22*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*81 %*	*54-127 %*	*1*	*10/27/20 16:22*	*EPA 8270E SIM*	

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1 Soil (-17.5) (A0J0859-01)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**75.8**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B2 Soil (-6) (A0J0859-02)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**88.5**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	
B6 Soil (-18-23) (A0J0859-03)				**Matrix: Soil**		**Batch: 0100953**		
% Solids	**84.0**	---	1.00	%	1	10/29/20 08:26	EPA 8000D	

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7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
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QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101024 - EPA 3546 (Fuels)							**Soil**					
Blank (0101024-BLK1)			Prepared: 10/29/20 12:42		Analyzed: 10/29/20 21:45							
NWTPH-Dx												
Diesel	ND	---	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	50.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 93 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (0101024-BS1)			Prepared: 10/29/20 12:42		Analyzed: 10/29/20 22:07							
NWTPH-Dx												
Diesel	118	---	25.0	mg/kg wet	1	125	---	95	73-115%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 95 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Duplicate (0101024-DUP1)			Prepared: 10/29/20 12:42		Analyzed: 10/29/20 22:51							
QC Source Sample: Non-SDG (A0J0826-02)												
Diesel	ND	---	25.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	**333**	---	50.0	mg/kg dry	1	---	343	---	---	3	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 76 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Duplicate (0101024-DUP2)			Prepared: 10/29/20 12:42		Analyzed: 10/30/20 00:30							
QC Source Sample: Non-SDG (A0J0941-05)												
Diesel	ND	---	25.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	50.0	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		*Recovery: 68 %*	*Limits: 50-150 %*		*Dilution: 1x*							

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:31							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*106 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*			*"*				
LCS (0100957-BS2)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:04							
NWTPH-Gx (MS)												
Gasoline Range Organics	26.9	---	5.00	mg/kg wet	50	25.0	---	107	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*104 %*		*50-150 %*			*"*				
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45		Analyzed: 10/28/20 16:33							
QC Source Sample: Non-SDG (A0J0600-02)												
Gasoline Range Organics	ND	---	5.40	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*110 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*101 %*		*50-150 %*			*"*				

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 11:31									
5035A/8260D												
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*			*"*				
LCS (0100957-BS1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 10:37									
5035A/8260D												
Benzene	0.986	---	0.0100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Toluene	0.944	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Ethylbenzene	0.960	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Xylenes, total	2.83	---	0.0750	mg/kg wet	50	3.00	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45 Analyzed: 10/28/20 16:33									
QC Source Sample: Non-SDG (A0J0600-02)												
Benzene	ND	---	0.0108	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	0.0810	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30 Analyzed: 10/28/20 17:28									
QC Source Sample: Non-SDG (A0J0848-08)												
5035A/8260D												
Benzene	1.06	---	0.0107	mg/kg dry	50	1.07	ND	100	77-121%	---	---	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30		Analyzed: 10/28/20 17:28							
QC Source Sample: Non-SDG (A0J0848-08)												
Toluene	0.974	---	0.0533	mg/kg dry	50	1.07	ND	91	77-121%	---	---	
Ethylbenzene	0.996	---	0.0267	mg/kg dry	50	1.07	ND	93	76-122%	---	---	
Xylenes, total	3.03	---	0.0800	mg/kg dry	50	3.20	ND	95	78-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 11:31							
5035A/8260D												
Acetone	ND	---	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 11:31									
1,2-Dichloropropane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 102 %* *Limits: 80-120 %* *Dilution: 1x*

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Blank (0100957-BLK1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 11:31									
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*			*"*					
LCS (0100957-BS1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 10:37									
5035A/8260D												
Acetone	1.90	---	1.00	mg/kg wet	50	2.00	---	95	80-120%	---	---	
Acrylonitrile	0.990	---	0.100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Benzene	0.986	---	0.0100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Bromobenzene	0.966	---	0.0250	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Bromochloromethane	1.08	---	0.0500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Bromodichloromethane	1.07	---	0.0500	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Bromoform	0.977	---	0.100	mg/kg wet	50	1.00	---	98	80-120%	---	---	
Bromomethane	1.31	---	0.500	mg/kg wet	50	1.00	---	**131**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	1.88	---	0.500	mg/kg wet	50	2.00	---	94	80-120%	---	---	
n-Butylbenzene	0.931	---	0.0500	mg/kg wet	50	1.00	---	93	80-120%	---	---	
sec-Butylbenzene	0.977	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
tert-Butylbenzene	0.940	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Carbon disulfide	0.960	---	0.500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Carbon tetrachloride	1.19	---	0.0500	mg/kg wet	50	1.00	---	119	80-120%	---	---	
Chlorobenzene	0.961	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Chloroethane	1.20	---	0.500	mg/kg wet	50	1.00	---	120	80-120%	---	---	
Chloroform	1.11	---	0.0500	mg/kg wet	50	1.00	---	111	80-120%	---	---	
Chloromethane	0.918	---	0.250	mg/kg wet	50	1.00	---	92	80-120%	---	---	
2-Chlorotoluene	0.946	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
4-Chlorotoluene	0.952	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Dibromochloromethane	1.13	---	0.100	mg/kg wet	50	1.00	---	113	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.848	---	0.250	mg/kg wet	50	1.00	---	85	80-120%	---	---	
1,2-Dibromoethane (EDB)	0.977	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
Dibromomethane	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
1,2-Dichlorobenzene	0.948	---	0.0250	mg/kg wet	50	1.00	---	95	80-120%	---	---	
1,3-Dichlorobenzene	0.964	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,4-Dichlorobenzene	0.948	---	0.0250	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Dichlorodifluoromethane	1.12	---	0.100	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,1-Dichloroethane	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
LCS (0100957-BS1)			Prepared: 10/28/20 09:00 Analyzed: 10/28/20 10:37									
1,2-Dichloroethane (EDC)	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,1-Dichloroethene	0.916	---	0.0250	mg/kg wet	50	1.00	---	92	80-120%	---	---	
cis-1,2-Dichloroethene	0.984	---	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
trans-1,2-Dichloroethene	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
1,2-Dichloropropane	0.994	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,3-Dichloropropane	0.962	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
2,2-Dichloropropane	1.12	---	0.0500	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,1-Dichloropropene	1.04	---	0.0500	mg/kg wet	50	1.00	---	104	80-120%	---	---	
cis-1,3-Dichloropropene	0.936	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
trans-1,3-Dichloropropene	1.09	---	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
Ethylbenzene	0.960	---	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Hexachlorobutadiene	0.943	---	0.100	mg/kg wet	50	1.00	---	94	80-120%	---	---	
2-Hexanone	1.66	---	0.500	mg/kg wet	50	2.00	---	83	80-120%	---	---	
Isopropylbenzene	0.951	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
4-Isopropyltoluene	0.920	---	0.0500	mg/kg wet	50	1.00	---	92	80-120%	---	---	
Methylene chloride	1.02	---	0.500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.70	---	0.500	mg/kg wet	50	2.00	---	85	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.990	---	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Naphthalene	0.902	---	0.100	mg/kg wet	50	1.00	---	90	80-120%	---	---	
n-Propylbenzene	0.970	---	0.0250	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Styrene	0.866	---	0.0500	mg/kg wet	50	1.00	---	87	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.11	---	0.0250	mg/kg wet	50	1.00	---	111	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1.02	---	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
Tetrachloroethene (PCE)	0.980	---	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
Toluene	0.944	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,2,3-Trichlorobenzene	0.930	---	0.250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
1,2,4-Trichlorobenzene	0.894	---	0.250	mg/kg wet	50	1.00	---	89	80-120%	---	---	
1,1,1-Trichloroethane	1.13	---	0.0250	mg/kg wet	50	1.00	---	113	80-120%	---	---	
1,1,2-Trichloroethane	0.994	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Trichloroethene (TCE)	0.988	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Trichlorofluoromethane	1.43	---	0.100	mg/kg wet	50	1.00	---	**143**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
1,2,4-Trimethylbenzene	0.941	---	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,3,5-Trimethylbenzene	0.958	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**Report ID:** **A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
LCS (0100957-BS1)			Prepared: 10/28/20 09:00		Analyzed: 10/28/20 10:37							
Vinyl chloride	1.17	---	0.0250	mg/kg wet	50	1.00	---	117	80-120%	---	---	
m,p-Xylene	1.93	---	0.0500	mg/kg wet	50	2.00	---	96	80-120%	---	---	
o-Xylene	0.904	---	0.0250	mg/kg wet	50	1.00	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45		Analyzed: 10/28/20 16:33							
QC Source Sample: Non-SDG (A0J0600-02)												
Acetone	ND	---	1.08	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	0.0108	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45 Analyzed: 10/28/20 16:33									
QC Source Sample: Non-SDG (A0J0600-02)												
1,3-Dichlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	0.540	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	0.270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Duplicate (0100957-DUP1)			Prepared: 10/14/20 13:45 Analyzed: 10/28/20 16:33									
QC Source Sample: Non-SDG (A0J0600-02)												
Trichloroethene (TCE)	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	0.108	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	0.0540	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.0270	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30 Analyzed: 10/28/20 17:28									
QC Source Sample: Non-SDG (A0J0848-08)												
5035A/8260D												
Acetone	1.86	---	1.07	mg/kg dry	50	2.13	ND	87	36-164%	---	---	
Acrylonitrile	1.10	---	0.107	mg/kg dry	50	1.07	ND	103	65-134%	---	---	
Benzene	1.06	---	0.0107	mg/kg dry	50	1.07	ND	100	77-121%	---	---	
Bromobenzene	1.04	---	0.0267	mg/kg dry	50	1.07	ND	97	78-121%	---	---	
Bromochloromethane	1.09	---	0.0533	mg/kg dry	50	1.07	ND	102	78-125%	---	---	
Bromodichloromethane	1.11	---	0.0533	mg/kg dry	50	1.07	ND	104	75-127%	---	---	
Bromoform	1.02	---	0.107	mg/kg dry	50	1.07	ND	96	67-132%	---	---	
Bromomethane	1.29	---	0.533	mg/kg dry	50	1.07	ND	121	53-143%	---	---	Q-54a
2-Butanone (MEK)	2.38	---	0.533	mg/kg dry	50	2.13	ND	112	51-148%	---	---	
n-Butylbenzene	0.974	---	0.0533	mg/kg dry	50	1.07	0.0389	88	70-128%	---	---	
sec-Butylbenzene	1.02	---	0.0533	mg/kg dry	50	1.07	ND	95	73-126%	---	---	
tert-Butylbenzene	0.958	---	0.0533	mg/kg dry	50	1.07	ND	90	73-125%	---	---	
Carbon disulfide	0.947	---	0.533	mg/kg dry	50	1.07	ND	89	63-132%	---	---	
Carbon tetrachloride	1.21	---	0.0533	mg/kg dry	50	1.07	ND	114	70-135%	---	---	
Chlorobenzene	1.00	---	0.0267	mg/kg dry	50	1.07	ND	94	79-120%	---	---	
Chloroethane	1.12	---	0.533	mg/kg dry	50	1.07	ND	105	59-139%	---	---	
Chloroform	1.17	---	0.0533	mg/kg dry	50	1.07	ND	109	78-123%	---	---	
Chloromethane	0.883	---	0.267	mg/kg dry	50	1.07	ND	83	50-136%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30		Analyzed: 10/28/20 17:28							
QC Source Sample: Non-SDG (A0J0848-08)												
2-Chlorotoluene	1.02	---	0.0533	mg/kg dry	50	1.07	ND	95	75-122%	---	---	
4-Chlorotoluene	0.979	---	0.0533	mg/kg dry	50	1.07	ND	92	72-124%	---	---	
Dibromochloromethane	1.19	---	0.107	mg/kg dry	50	1.07	ND	112	74-126%	---	---	
1,2-Dibromo-3-chloropropane	0.926	---	0.267	mg/kg dry	50	1.07	ND	87	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.05	---	0.0533	mg/kg dry	50	1.07	ND	98	78-122%	---	---	
Dibromomethane	1.07	---	0.0533	mg/kg dry	50	1.07	ND	101	78-125%	---	---	
1,2-Dichlorobenzene	0.996	---	0.0267	mg/kg dry	50	1.07	ND	93	78-121%	---	---	
1,3-Dichlorobenzene	1.01	---	0.0267	mg/kg dry	50	1.07	ND	94	77-121%	---	---	
1,4-Dichlorobenzene	0.975	---	0.0267	mg/kg dry	50	1.07	ND	91	75-120%	---	---	
Dichlorodifluoromethane	1.07	---	0.107	mg/kg dry	50	1.07	ND	100	29-149%	---	---	
1,1-Dichloroethane	1.07	---	0.0267	mg/kg dry	50	1.07	ND	101	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.05	---	0.0267	mg/kg dry	50	1.07	ND	98	73-128%	---	---	
1,1-Dichloroethene	0.851	---	0.0267	mg/kg dry	50	1.07	ND	80	70-131%	---	---	
cis-1,2-Dichloroethene	1.05	---	0.0267	mg/kg dry	50	1.07	ND	99	77-123%	---	---	
trans-1,2-Dichloroethene	1.08	---	0.0267	mg/kg dry	50	1.07	ND	101	74-125%	---	---	
1,2-Dichloropropane	1.09	---	0.0267	mg/kg dry	50	1.07	ND	102	76-123%	---	---	
1,3-Dichloropropane	1.02	---	0.0533	mg/kg dry	50	1.07	ND	95	77-121%	---	---	
2,2-Dichloropropane	1.01	---	0.0533	mg/kg dry	50	1.07	ND	95	67-133%	---	---	
1,1-Dichloropropene	1.09	---	0.0533	mg/kg dry	50	1.07	ND	102	76-125%	---	---	
cis-1,3-Dichloropropene	1.01	---	0.0533	mg/kg dry	50	1.07	ND	94	74-126%	---	---	
trans-1,3-Dichloropropene	1.08	---	0.0533	mg/kg dry	50	1.07	ND	101	71-130%	---	---	
Ethylbenzene	0.996	---	0.0267	mg/kg dry	50	1.07	ND	93	76-122%	---	---	
Hexachlorobutadiene	1.01	---	0.107	mg/kg dry	50	1.07	ND	95	61-135%	---	---	
2-Hexanone	2.10	---	0.533	mg/kg dry	50	2.13	ND	98	53-145%	---	---	
Isopropylbenzene	1.05	---	0.0533	mg/kg dry	50	1.07	ND	98	68-134%	---	---	
4-Isopropyltoluene	0.977	---	0.0533	mg/kg dry	50	1.07	ND	92	73-127%	---	---	
Methylene chloride	1.07	---	0.533	mg/kg dry	50	1.07	ND	101	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2.32	---	0.533	mg/kg dry	50	2.13	ND	85	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.06	---	0.0533	mg/kg dry	50	1.07	ND	99	73-125%	---	---	
Naphthalene	1.03	---	0.107	mg/kg dry	50	1.07	ND	96	62-129%	---	---	
n-Propylbenzene	0.988	---	0.0267	mg/kg dry	50	1.07	ND	93	73-125%	---	---	
Styrene	0.970	---	0.0533	mg/kg dry	50	1.07	ND	91	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1.15	---	0.0267	mg/kg dry	50	1.07	ND	108	78-125%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100957 - EPA 5035A							**Soil**					
Matrix Spike (0100957-MS1)			Prepared: 10/23/20 15:30		Analyzed: 10/28/20 17:28							
QC Source Sample: Non-SDG (A0J0848-08)												
1,1,2,2-Tetrachloroethane	1.16	---	0.0533	mg/kg dry	50	1.07	ND	97	70-124%	---	---	
Tetrachloroethene (PCE)	1.04	---	0.0267	mg/kg dry	50	1.07	ND	97	73-128%	---	---	
Toluene	0.974	---	0.0533	mg/kg dry	50	1.07	ND	91	77-121%	---	---	
1,2,3-Trichlorobenzene	0.987	---	0.267	mg/kg dry	50	1.07	ND	93	66-130%	---	---	
1,2,4-Trichlorobenzene	0.980	---	0.267	mg/kg dry	50	1.07	ND	92	67-129%	---	---	
1,1,1-Trichloroethane	1.14	---	0.0267	mg/kg dry	50	1.07	ND	107	73-130%	---	---	
1,1,2-Trichloroethane	1.13	---	0.0267	mg/kg dry	50	1.07	ND	106	78-121%	---	---	
Trichloroethene (TCE)	1.10	---	0.0267	mg/kg dry	50	1.07	ND	103	77-123%	---	---	
Trichlorofluoromethane	1.13	---	0.107	mg/kg dry	50	1.07	ND	106	62-140%	---	---	Q-54b
1,2,3-Trichloropropane	1.06	---	0.0533	mg/kg dry	50	1.07	ND	99	73-125%	---	---	
1,2,4-Trimethylbenzene	0.959	---	0.0533	mg/kg dry	50	1.07	ND	90	75-123%	---	---	
1,3,5-Trimethylbenzene	0.977	---	0.0533	mg/kg dry	50	1.07	ND	92	73-124%	---	---	
Vinyl chloride	1.17	---	0.0267	mg/kg dry	50	1.07	ND	110	56-135%	---	---	
m,p-Xylene	2.02	---	0.0533	mg/kg dry	50	2.13	ND	95	77-124%	---	---	
o-Xylene	1.01	---	0.0267	mg/kg dry	50	1.07	ND	95	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Blank (0101003-BLK1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 11:25							
5035A/8260D												
Acetone	ND	---	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Blank (0101003-BLK1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 11:25							
1,2-Dichloropropane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 104 %* *Limits: 80-120 %* *Dilution: 1x*

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Blank (0101003-BLK1)			Prepared: 10/29/20 09:00 Analyzed: 10/29/20 11:25									
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*				*"*				
LCS (0101003-BS1)			Prepared: 10/29/20 09:00 Analyzed: 10/29/20 10:30									
5035A/8260D												
Acetone	2.06	---	1.00	mg/kg wet	50	2.00	---	103	80-120%	---	---	
Acrylonitrile	1.07	---	0.100	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Benzene	1.06	---	0.0100	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Bromobenzene	1.03	---	0.0250	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Bromochloromethane	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
Bromodichloromethane	1.14	---	0.0500	mg/kg wet	50	1.00	---	114	80-120%	---	---	
Bromoform	1.03	---	0.100	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Bromomethane	1.28	---	0.500	mg/kg wet	50	1.00	---	**128**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	2.02	---	0.500	mg/kg wet	50	2.00	---	101	80-120%	---	---	
n-Butylbenzene	0.946	---	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
sec-Butylbenzene	1.02	---	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
tert-Butylbenzene	0.974	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Carbon disulfide	0.974	---	0.500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
Carbon tetrachloride	1.29	---	0.0500	mg/kg wet	50	1.00	---	**129**	**80-120%**	---	---	Q-56
Chlorobenzene	1.03	---	0.0250	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Chloroethane	1.07	---	0.500	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Chloroform	1.19	---	0.0500	mg/kg wet	50	1.00	---	119	80-120%	---	---	
Chloromethane	0.931	---	0.250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
2-Chlorotoluene	0.978	---	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
4-Chlorotoluene	1.00	---	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Dibromochloromethane	1.21	---	0.100	mg/kg wet	50	1.00	---	**121**	**80-120%**	---	---	Q-56
1,2-Dibromo-3-chloropropane	0.856	---	0.250	mg/kg wet	50	1.00	---	86	80-120%	---	---	
1,2-Dibromoethane (EDB)	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Dibromomethane	1.09	---	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,2-Dichlorobenzene	0.985	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,3-Dichlorobenzene	1.01	---	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
1,4-Dichlorobenzene	0.990	---	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Dichlorodifluoromethane	1.19	---	0.100	mg/kg wet	50	1.00	---	119	80-120%	---	---	
1,1-Dichloroethane	1.12	---	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
LCS (0101003-BS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 10:30							
1,2-Dichloroethane (EDC)	1.11	---	0.0250	mg/kg wet	50	1.00	---	111	80-120%	---	---	
1,1-Dichloroethene	0.904	---	0.0250	mg/kg wet	50	1.00	---	90	80-120%	---	---	
cis-1,2-Dichloroethene	1.06	---	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
trans-1,2-Dichloroethene	1.16	---	0.0250	mg/kg wet	50	1.00	---	116	80-120%	---	---	
1,2-Dichloropropane	1.06	---	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
1,3-Dichloropropane	1.01	---	0.0500	mg/kg wet	50	1.00	---	101	80-120%	---	---	
2,2-Dichloropropane	1.18	---	0.0500	mg/kg wet	50	1.00	---	118	80-120%	---	---	
1,1-Dichloropropene	1.11	---	0.0500	mg/kg wet	50	1.00	---	111	80-120%	---	---	
cis-1,3-Dichloropropene	0.971	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
trans-1,3-Dichloropropene	1.13	---	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
Ethylbenzene	1.02	---	0.0250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
Hexachlorobutadiene	1.00	---	0.100	mg/kg wet	50	1.00	---	100	80-120%	---	---	
2-Hexanone	1.72	---	0.500	mg/kg wet	50	2.00	---	86	80-120%	---	---	
Isopropylbenzene	1.01	---	0.0500	mg/kg wet	50	1.00	---	101	80-120%	---	---	
4-Isopropyltoluene	0.964	---	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Methylene chloride	1.08	---	0.500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.76	---	0.500	mg/kg wet	50	2.00	---	88	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Naphthalene	0.926	---	0.100	mg/kg wet	50	1.00	---	93	80-120%	---	---	
n-Propylbenzene	1.01	---	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
Styrene	0.915	---	0.0500	mg/kg wet	50	1.00	---	92	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.20	---	0.0250	mg/kg wet	50	1.00	---	120	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1.06	---	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Tetrachloroethene (PCE)	1.05	---	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Toluene	1.00	---	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	0.960	---	0.250	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,2,4-Trichlorobenzene	0.932	---	0.250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
1,1,1-Trichloroethane	1.20	---	0.0250	mg/kg wet	50	1.00	---	120	80-120%	---	---	
1,1,2-Trichloroethane	1.04	---	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
Trichloroethene (TCE)	1.07	---	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Trichlorofluoromethane	1.24	---	0.100	mg/kg wet	50	1.00	---	**124**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	1.05	---	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,2,4-Trimethylbenzene	0.970	---	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
1,3,5-Trimethylbenzene	0.989	---	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
LCS (0101003-BS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 10:30							
Vinyl chloride	1.24	---	0.0250	mg/kg wet	50	1.00	---	**124**	**80-120%**	---	---	Q-56
m,p-Xylene	2.04	---	0.0500	mg/kg wet	50	2.00	---	102	80-120%	---	---	
o-Xylene	0.942	---	0.0250	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*79-120 %*			*"*				
Duplicate (0101003-DUP1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55							
QC Source Sample: Non-SDG (A0J0965-12)												
Acetone	ND	---	1.01	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	0.0101	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Duplicate (0101003-DUP1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55							
QC Source Sample: Non-SDG (A0J0965-12)												
1,3-Dichlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	0.503	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	0.252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Duplicate (0101003-DUP1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 16:55							
QC Source Sample: Non-SDG (A0J0965-12)												
Trichloroethene (TCE)	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	0.101	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	0.0503	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	0.0252	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*95 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*		*"*					
Matrix Spike (0101003-MS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 19:12							
QC Source Sample: Non-SDG (A0J0965-17)												
5035A/8260D												
Acetone	2.24	---	1.14	mg/kg dry	50	2.28	ND	98	36-164%	---	---	
Acrylonitrile	1.24	---	0.114	mg/kg dry	50	1.14	ND	109	65-134%	---	---	
Benzene	1.28	---	0.0114	mg/kg dry	50	1.14	ND	113	77-121%	---	---	
Bromobenzene	1.22	---	0.0285	mg/kg dry	50	1.14	ND	107	78-121%	---	---	
Bromochloromethane	1.30	---	0.0569	mg/kg dry	50	1.14	ND	114	78-125%	---	---	
Bromodichloromethane	1.32	---	0.0569	mg/kg dry	50	1.14	ND	116	75-127%	---	---	
Bromoform	1.17	---	0.114	mg/kg dry	50	1.14	ND	103	67-132%	---	---	
Bromomethane	1.58	---	0.569	mg/kg dry	50	1.14	ND	139	53-143%	---	---	Q-54d
2-Butanone (MEK)	2.29	---	0.569	mg/kg dry	50	2.28	ND	100	51-148%	---	---	
n-Butylbenzene	1.08	---	0.0569	mg/kg dry	50	1.14	ND	95	70-128%	---	---	
sec-Butylbenzene	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	73-126%	---	---	
tert-Butylbenzene	1.11	---	0.0569	mg/kg dry	50	1.14	ND	98	73-125%	---	---	
Carbon disulfide	1.21	---	0.569	mg/kg dry	50	1.14	ND	106	63-132%	---	---	
Carbon tetrachloride	1.52	---	0.0569	mg/kg dry	50	1.14	ND	134	70-135%	---	---	Q-54e
Chlorobenzene	1.19	---	0.0285	mg/kg dry	50	1.14	ND	105	79-120%	---	---	
Chloroethane	1.42	---	0.569	mg/kg dry	50	1.14	ND	125	59-139%	---	---	
Chloroform	1.37	---	0.0569	mg/kg dry	50	1.14	ND	121	78-123%	---	---	
Chloromethane	1.13	---	0.285	mg/kg dry	50	1.14	ND	99	50-136%	---	---	

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Apex Laboratories, LLC

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Matrix Spike (0101003-MS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 19:12							
QC Source Sample: Non-SDG (A0J0965-17)												
2-Chlorotoluene	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	75-122%	---	---	
4-Chlorotoluene	1.14	---	0.0569	mg/kg dry	50	1.14	ND	100	72-124%	---	---	
Dibromochloromethane	1.35	---	0.114	mg/kg dry	50	1.14	ND	119	74-126%	---	---	Q-54
1,2-Dibromo-3-chloropropane	0.971	---	0.285	mg/kg dry	50	1.14	ND	85	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.18	---	0.0569	mg/kg dry	50	1.14	ND	103	78-122%	---	---	
Dibromomethane	1.27	---	0.0569	mg/kg dry	50	1.14	ND	111	78-125%	---	---	
1,2-Dichlorobenzene	1.14	---	0.0285	mg/kg dry	50	1.14	ND	100	78-121%	---	---	
1,3-Dichlorobenzene	1.19	---	0.0285	mg/kg dry	50	1.14	ND	105	77-121%	---	---	
1,4-Dichlorobenzene	1.15	---	0.0285	mg/kg dry	50	1.14	ND	101	75-120%	---	---	
Dichlorodifluoromethane	1.41	---	0.114	mg/kg dry	50	1.14	ND	124	29-149%	---	---	
1,1-Dichloroethane	1.32	---	0.0285	mg/kg dry	50	1.14	ND	116	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.24	---	0.0285	mg/kg dry	50	1.14	ND	109	73-128%	---	---	
1,1-Dichloroethene	1.07	---	0.0285	mg/kg dry	50	1.14	ND	94	70-131%	---	---	
cis-1,2-Dichloroethene	1.26	---	0.0285	mg/kg dry	50	1.14	ND	111	77-123%	---	---	
trans-1,2-Dichloroethene	1.36	---	0.0285	mg/kg dry	50	1.14	ND	120	74-125%	---	---	
1,2-Dichloropropane	1.28	---	0.0285	mg/kg dry	50	1.14	ND	112	76-123%	---	---	
1,3-Dichloropropane	1.15	---	0.0569	mg/kg dry	50	1.14	ND	101	77-121%	---	---	
2,2-Dichloropropane	1.21	---	0.0569	mg/kg dry	50	1.14	ND	107	67-133%	---	---	
1,1-Dichloropropene	1.36	---	0.0569	mg/kg dry	50	1.14	ND	119	76-125%	---	---	
cis-1,3-Dichloropropene	1.13	---	0.0569	mg/kg dry	50	1.14	ND	100	74-126%	---	---	
trans-1,3-Dichloropropene	1.23	---	0.0569	mg/kg dry	50	1.14	ND	108	71-130%	---	---	
Ethylbenzene	1.19	---	0.0285	mg/kg dry	50	1.14	ND	104	76-122%	---	---	
Hexachlorobutadiene	1.14	---	0.114	mg/kg dry	50	1.14	ND	100	61-135%	---	---	
2-Hexanone	1.92	---	0.569	mg/kg dry	50	2.28	ND	84	53-145%	---	---	
Isopropylbenzene	1.20	---	0.0569	mg/kg dry	50	1.14	ND	106	68-134%	---	---	
4-Isopropyltoluene	1.12	---	0.0569	mg/kg dry	50	1.14	ND	99	73-127%	---	---	
Methylene chloride	1.32	---	0.569	mg/kg dry	50	1.14	ND	116	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	1.99	---	0.569	mg/kg dry	50	2.28	ND	88	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.22	---	0.0569	mg/kg dry	50	1.14	ND	107	73-125%	---	---	
Naphthalene	1.09	---	0.114	mg/kg dry	50	1.14	ND	96	62-129%	---	---	
n-Propylbenzene	1.17	---	0.0285	mg/kg dry	50	1.14	ND	103	73-125%	---	---	
Styrene	1.08	---	0.0569	mg/kg dry	50	1.14	ND	95	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1.35	---	0.0285	mg/kg dry	50	1.14	ND	119	78-125%	---	---	

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0101003 - EPA 5035A							**Soil**					
Matrix Spike (0101003-MS1)			Prepared: 10/29/20 09:00		Analyzed: 10/29/20 19:12							
QC Source Sample: Non-SDG (A0J0965-17)												
1,1,2,2-Tetrachloroethane	1.17	---	0.0569	mg/kg dry	50	1.14	ND	102	70-124%	---	---	
Tetrachloroethene (PCE)	1.26	---	0.0285	mg/kg dry	50	1.14	ND	111	73-128%	---	---	
Toluene	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	77-121%	---	---	
1,2,3-Trichlorobenzene	1.12	---	0.285	mg/kg dry	50	1.14	ND	99	66-130%	---	---	
1,2,4-Trichlorobenzene	1.10	---	0.285	mg/kg dry	50	1.14	ND	97	67-129%	---	---	
1,1,1-Trichloroethane	1.42	---	0.0285	mg/kg dry	50	1.14	ND	125	73-130%	---	---	
1,1,2-Trichloroethane	1.19	---	0.0285	mg/kg dry	50	1.14	ND	105	78-121%	---	---	
Trichloroethene (TCE)	1.34	---	0.0285	mg/kg dry	50	1.14	ND	117	77-123%	---	---	
Trichlorofluoromethane	1.43	---	0.114	mg/kg dry	50	1.14	ND	126	62-140%	---	---	Q-54c
1,2,3-Trichloropropane	1.17	---	0.0569	mg/kg dry	50	1.14	ND	103	73-125%	---	---	
1,2,4-Trimethylbenzene	1.13	---	0.0569	mg/kg dry	50	1.14	ND	99	75-123%	---	---	
1,3,5-Trimethylbenzene	1.15	---	0.0569	mg/kg dry	50	1.14	ND	101	73-124%	---	---	
Vinyl chloride	1.51	---	0.0285	mg/kg dry	50	1.14	ND	132	56-135%	---	---	Q-54c
m,p-Xylene	2.37	---	0.0569	mg/kg dry	50	2.28	ND	104	77-124%	---	---	
o-Xylene	1.13	---	0.0285	mg/kg dry	50	1.14	ND	100	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100907 - EPA 3546							**Soil**					
Blank (0100907-BLK1)			Prepared: 10/27/20 07:09		Analyzed: 10/27/20 10:35							
EPA 8270E SIM												
Acenaphthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 89 %*		*Limits: 44-120 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*99 %*		*54-127 %*			*"*				
LCS (0100907-BS1)			Prepared: 10/27/20 07:09		Analyzed: 10/27/20 11:01							
EPA 8270E SIM												
Acenaphthene	0.778	---	0.0100	mg/kg wet	1	0.800	---	97	40-123%	---	---	
Acenaphthylene	0.778	---	0.0100	mg/kg wet	1	0.800	---	97	32-132%	---	---	
Anthracene	0.717	---	0.0100	mg/kg wet	1	0.800	---	90	47-123%	---	---	
Benz(a)anthracene	0.726	---	0.0100	mg/kg wet	1	0.800	---	91	49-126%	---	---	
Benzo(a)pyrene	0.695	---	0.0100	mg/kg wet	1	0.800	---	87	45-129%	---	---	
Benzo(b)fluoranthene	0.704	---	0.0100	mg/kg wet	1	0.800	---	88	45-132%	---	---	
Benzo(k)fluoranthene	0.724	---	0.0100	mg/kg wet	1	0.800	---	90	47-132%	---	---	
Benzo(g,h,i)perylene	0.694	---	0.0100	mg/kg wet	1	0.800	---	87	43-134%	---	---	
Chrysene	0.762	---	0.0100	mg/kg wet	1	0.800	---	95	50-124%	---	---	
Dibenz(a,h)anthracene	0.675	---	0.0100	mg/kg wet	1	0.800	---	84	45-134%	---	---	
Fluoranthene	0.712	---	0.0100	mg/kg wet	1	0.800	---	89	50-127%	---	---	
Fluorene	0.713	---	0.0100	mg/kg wet	1	0.800	---	89	43-125%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100907 - EPA 3546							**Soil**					
LCS (0100907-BS1)			Prepared: 10/27/20 07:09		Analyzed: 10/27/20 11:01							
Indeno(1,2,3-cd)pyrene	0.671	---	0.0100	mg/kg wet	1	0.800	---	84	45-133%	---	---	
Naphthalene	0.665	---	0.0100	mg/kg wet	1	0.800	---	83	35-123%	---	---	
Phenanthrene	0.707	---	0.0100	mg/kg wet	1	0.800	---	88	50-121%	---	---	
Pyrene	0.709	---	0.0100	mg/kg wet	1	0.800	---	89	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 89 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*96 %*		*54-127 %*				*"*			
Duplicate (0100907-DUP1)			Prepared: 10/27/20 07:09		Analyzed: 10/27/20 12:20							
QC Source Sample: Non-SDG (A0J0532-03)												
Acenaphthene	ND	---	0.0106	mg/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	0.0106	mg/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	---	0.0106	mg/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	**0.0107**	---	0.0106	mg/kg dry	1	---	0.0125	---	---	15	30%	
Benzo(a)pyrene	**0.0118**	---	0.0106	mg/kg dry	1	---	0.0152	---	---	25	30%	
Benzo(b)fluoranthene	**0.0182**	---	0.0106	mg/kg dry	1	---	0.0224	---	---	21	30%	
Benzo(k)fluoranthene	ND	---	0.0106	mg/kg dry	1	---	0.00794	---	---	***	30%	
Benzo(g,h,i)perylene	**0.0116**	---	0.0106	mg/kg dry	1	---	0.0151	---	---	27	30%	
Chrysene	**0.0125**	---	0.0106	mg/kg dry	1	---	0.0150	---	---	18	30%	
Dibenz(a,h)anthracene	ND	---	0.0106	mg/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	**0.0130**	---	0.0106	mg/kg dry	1	---	0.0148	---	---	13	30%	
Fluorene	ND	---	0.0106	mg/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	**0.0114**	---	0.0106	mg/kg dry	1	---	0.0159	---	---	**33**	**30%**	Q-05
Naphthalene	ND	---	0.0106	mg/kg dry	1	---	ND	---	---	**---**	**30%**	Q-05
Phenanthrene	ND	---	0.0106	mg/kg dry	1	---	0.0101	---	---	***	30%	
Pyrene	**0.0139**	---	0.0106	mg/kg dry	1	---	0.0158	---	---	13	30%	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 88 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*97 %*		*54-127 %*				*"*			
Matrix Spike (0100907-MS1)			Prepared: 10/27/20 07:09		Analyzed: 10/27/20 13:12							
QC Source Sample: Non-SDG (A0J0532-20)												
EPA 8270E SIM												
Acenaphthene	1.12	---	0.232	mg/kg dry	5	0.863	ND	**130**	**40-123%**	---	---	Q-02
Acenaphthylene	0.896	---	0.0755	mg/kg dry	5	0.863	ND	104	32-132%	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100907 - EPA 3546							**Soil**					
Matrix Spike (0100907-MS1)			Prepared: 10/27/20 07:09		Analyzed: 10/27/20 13:12							
QC Source Sample: Non-SDG (A0J0532-20)												
Anthracene	0.983	---	0.178	mg/kg dry	5	0.863	ND	114	47-123%	---	---	
Benz(a)anthracene	1.09	---	0.0539	mg/kg dry	5	0.863	0.215	101	49-126%	---	---	
Benzo(a)pyrene	0.953	---	0.0539	mg/kg dry	5	0.863	0.150	93	45-129%	---	---	
Benzo(b)fluoranthene	0.971	---	0.0539	mg/kg dry	5	0.863	0.147	96	45-132%	---	---	
Benzo(k)fluoranthene	0.789	---	0.0539	mg/kg dry	5	0.863	0.0369	87	47-132%	---	---	
Benzo(g,h,i)perylene	0.703	---	0.0539	mg/kg dry	5	0.863	0.0935	71	43-134%	---	---	
Chrysene	1.66	---	0.0539	mg/kg dry	5	0.863	0.610	122	50-124%	---	---	
Dibenz(a,h)anthracene	0.733	---	0.0539	mg/kg dry	5	0.863	0.0293	82	45-134%	---	---	
Fluoranthene	0.940	---	0.0539	mg/kg dry	5	0.863	0.174	89	50-127%	---	---	
Fluorene	1.31	---	0.0539	mg/kg dry	5	0.863	0.374	109	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	0.709	---	0.0539	mg/kg dry	5	0.863	0.0765	73	45-133%	---	---	
Naphthalene	0.813	---	0.0539	mg/kg dry	5	0.863	ND	90	35-123%	---	---	
Phenanthrene	1.98	---	0.0539	mg/kg dry	5	0.863	0.852	**130**	**50-121%**	---	---	Q-01
Pyrene	1.41	---	0.0539	mg/kg dry	5	0.863	0.528	102	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 83 %*		*Limits: 44-120 %*			*Dilution: 5x*				
p-Terphenyl-d14 (Surr)			*89 %*		*54-127 %*			*"*				

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100963 - EPA 3546							**Soil**					
Blank (0100963-BLK1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 15:19							
EPA 8270E SIM												
Acenaphthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 91 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*97 %*		*54-127 %*				*"*			
LCS (0100963-BS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 15:45							
EPA 8270E SIM												
Acenaphthene	0.763	---	0.0100	mg/kg wet	1	0.800	---	95	40-123%	---	---	
Acenaphthylene	0.784	---	0.0100	mg/kg wet	1	0.800	---	98	32-132%	---	---	
Anthracene	0.714	---	0.0100	mg/kg wet	1	0.800	---	89	47-123%	---	---	
Benz(a)anthracene	0.719	---	0.0100	mg/kg wet	1	0.800	---	90	49-126%	---	---	
Benzo(a)pyrene	0.691	---	0.0100	mg/kg wet	1	0.800	---	86	45-129%	---	---	
Benzo(b)fluoranthene	0.708	---	0.0100	mg/kg wet	1	0.800	---	89	45-132%	---	---	
Benzo(k)fluoranthene	0.731	---	0.0100	mg/kg wet	1	0.800	---	91	47-132%	---	---	
Benzo(g,h,i)perylene	0.667	---	0.0100	mg/kg wet	1	0.800	---	83	43-134%	---	---	
Chrysene	0.753	---	0.0100	mg/kg wet	1	0.800	---	94	50-124%	---	---	
Dibenz(a,h)anthracene	0.652	---	0.0100	mg/kg wet	1	0.800	---	82	45-134%	---	---	
Fluoranthene	0.717	---	0.0100	mg/kg wet	1	0.800	---	90	50-127%	---	---	
Fluorene	0.678	---	0.0100	mg/kg wet	1	0.800	---	85	43-125%	---	---	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100963 - EPA 3546							**Soil**					
LCS (0100963-BS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 15:45							
Indeno(1,2,3-cd)pyrene	0.643	---	0.0100	mg/kg wet	1	0.800	---	80	45-133%	---	---	
Naphthalene	0.673	---	0.0100	mg/kg wet	1	0.800	---	84	35-123%	---	---	
Phenanthrene	0.699	---	0.0100	mg/kg wet	1	0.800	---	87	50-121%	---	---	
Pyrene	0.721	---	0.0100	mg/kg wet	1	0.800	---	90	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 93 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*96 %*		*54-127 %*		*"*					
Duplicate (0100963-DUP1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 16:38							
QC Source Sample: Non-SDG (A0J0600-02)												
Acenaphthene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	**0.0203**	---	0.0136	mg/kg dry	1	---	0.0320	---	---	**45**	**30%**	M-05, Q-17
Benzo(a)pyrene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Chrysene	**0.0309**	---	0.0136	mg/kg dry	1	---	0.0580	---	---	**61**	**30%**	M-05, Q-17
Dibenz(a,h)anthracene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	**0.0142**	---	0.0136	mg/kg dry	1	---	0.0189	---	---	28	30%	
Fluorene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.0136	mg/kg dry	1	---	ND	---	---	---	30%	
Phenanthrene	**0.0209**	---	0.0136	mg/kg dry	1	---	0.0229	---	---	9	30%	
Pyrene	**0.0387**	---	0.0136	mg/kg dry	1	---	0.0555	---	---	**36**	**30%**	Q-17
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 80 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*88 %*		*54-127 %*		*"*					
Matrix Spike (0100963-MS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 18:50							
QC Source Sample: B1 Soil (-17.5) (A0J0859-01RE1)												
EPA 8270E SIM												
Acenaphthene	0.978	---	0.0131	mg/kg dry	1	1.05	ND	94	40-123%	---	---	
Acenaphthylene	1.00	---	0.0131	mg/kg dry	1	1.05	ND	96	32-132%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100963 - EPA 3546							**Soil**					
Matrix Spike (0100963-MS1)			Prepared: 10/28/20 10:03		Analyzed: 10/28/20 18:50							
QC Source Sample: B1 Soil (-17.5) (A0J0859-01RE1)												
Anthracene	0.906	---	0.0131	mg/kg dry	1	1.05	ND	87	47-123%	---	---	
Benz(a)anthracene	0.910	---	0.0131	mg/kg dry	1	1.05	ND	87	49-126%	---	---	
Benzo(a)pyrene	0.873	---	0.0131	mg/kg dry	1	1.05	ND	84	45-129%	---	---	
Benzo(b)fluoranthene	0.889	---	0.0131	mg/kg dry	1	1.05	ND	85	45-132%	---	---	
Benzo(k)fluoranthene	0.912	---	0.0131	mg/kg dry	1	1.05	ND	87	47-132%	---	---	
Benzo(g,h,i)perylene	0.860	---	0.0131	mg/kg dry	1	1.05	ND	82	43-134%	---	---	
Chrysene	0.951	---	0.0131	mg/kg dry	1	1.05	ND	91	50-124%	---	---	
Dibenz(a,h)anthracene	0.826	---	0.0131	mg/kg dry	1	1.05	ND	79	45-134%	---	---	
Fluoranthene	0.928	---	0.0131	mg/kg dry	1	1.05	ND	89	50-127%	---	---	
Fluorene	0.870	---	0.0131	mg/kg dry	1	1.05	ND	83	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	0.810	---	0.0131	mg/kg dry	1	1.05	ND	77	45-133%	---	---	
Naphthalene	0.864	---	0.0131	mg/kg dry	1	1.05	0.0154	81	35-123%	---	---	
Phenanthrene	0.894	---	0.0131	mg/kg dry	1	1.05	0.0129	84	50-121%	---	---	
Pyrene	0.926	---	0.0131	mg/kg dry	1	1.05	0.00713	88	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 90 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*94 %*		*54-127 %*				*"*			

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ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100953 - Total Solids (Dry Weight)							**Soil**					
Duplicate (0100953-DUP1)			Prepared: 10/28/20 08:30			Analyzed: 10/29/20 08:26						
QC Source Sample: Non-SDG (A0J0826-02)												
% Solids	**96.4**	---	1.00	%	1	---	96.4	---	---	0.03	10%	
Duplicate (0100953-DUP2)			Prepared: 10/28/20 08:30			Analyzed: 10/29/20 08:26						
QC Source Sample: Non-SDG (A0J0880-01)												
% Solids	**95.9**	---	1.00	%	1	---	96.3	---	---	0.4	10%	
Duplicate (0100953-DUP3)			Prepared: 10/28/20 17:56			Analyzed: 10/29/20 08:26						
QC Source Sample: Non-SDG (A0J0848-01)												
% Solids	**82.0**	---	1.00	%	1	---	74.9	---	---	9	10%	
Duplicate (0100953-DUP4)			Prepared: 10/28/20 17:56			Analyzed: 10/29/20 08:26						
QC Source Sample: Non-SDG (A0J0948-02)												
% Solids	**76.0**	---	1.00	%	1	---	75.8	---	---	0.2	10%	
Duplicate (0100953-DUP5)			Prepared: 10/28/20 18:26			Analyzed: 10/29/20 08:26						
QC Source Sample: Non-SDG (A0J0956-04)												
% Solids	**78.7**	---	1.00	%	1	---	78.7	---	---	0.03	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
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SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0101024							
A0J0859-01	Soil	NWTPH-Dx	10/23/20 11:15	10/29/20 12:42	10.53g/5mL	10g/5mL	0.95
A0J0859-02	Soil	NWTPH-Dx	10/23/20 12:55	10/29/20 12:42	10.67g/5mL	10g/5mL	0.94
A0J0859-03	Soil	NWTPH-Dx	10/23/20 15:50	10/29/20 12:42	10.2g/5mL	10g/5mL	0.98

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100957							
A0J0859-03	Soil	NWTPH-Gx (MS)	10/23/20 15:50	10/23/20 15:50	6.77g/5mL	5g/5mL	0.74

BTEX Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100957							
A0J0859-02	Soil	5035A/8260D	10/23/20 12:55	10/23/20 12:55	5.48g/5mL	5g/5mL	0.91

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100957							
A0J0859-03	Soil	5035A/8260D	10/23/20 15:50	10/23/20 15:50	6.77g/5mL	5g/5mL	0.74
Batch: 0101003							
A0J0859-01RE1	Soil	5035A/8260D	10/23/20 11:15	10/23/20 11:15	6.26g/5mL	5g/5mL	0.80

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100907							
A0J0859-02	Soil	EPA 8270E SIM	10/23/20 12:55	10/27/20 12:00	10.01g/5mL	10g/5mL	1.00
A0J0859-03	Soil	EPA 8270E SIM	10/23/20 15:50	10/27/20 12:00	10.46g/5mL	10g/5mL	0.96
Batch: 0100963							

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

SAMPLE PREPARATION INFORMATION

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0J0859-01RE1	Soil	EPA 8270E SIM	10/23/20 11:15	10/28/20 10:04	10.24g/5mL	10g/5mL	0.98

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100953							
A0J0859-01	Soil	EPA 8000D	10/23/20 11:15	10/28/20 08:30			NA
A0J0859-02	Soil	EPA 8000D	10/23/20 12:55	10/28/20 08:30			NA
A0J0859-03	Soil	EPA 8000D	10/23/20 15:50	10/28/20 08:30			NA

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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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F-13	The chromatographic pattern does not resemble the fuel standard used for quantitation
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-02	Spike recovery is outside of established control limits due to matrix interference.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-17	RPD between original and duplicate sample is outside of established control limits.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +11%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +23%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +4%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +9%. The results are reported as Estimated Values.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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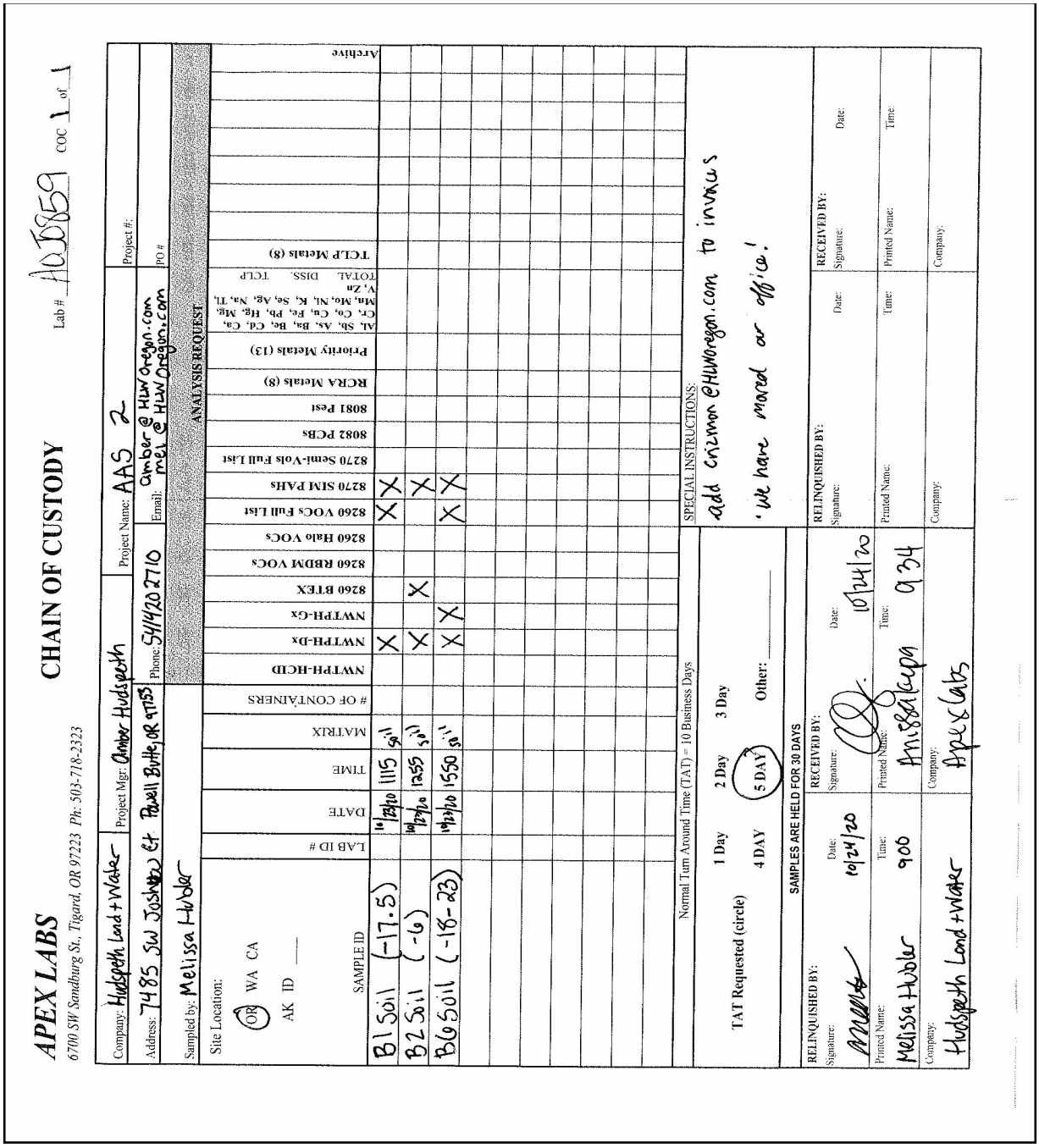

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A0J0859 COC 1 of 1

Company: Hudspeth Land+Water | Project Mgr: Amber Hudspeth | Project Name: AAS 2 | Project #:
Address: 7485 SW Joshua Ct Powell Butte, OR 97753 | Phone: 541 420 2710 | Email: amber@HLWoregon.com mel@HLWoregon.com | PO #
Sampled by: Melissa Hubler

Site Location: (OR) WA CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Archive
B1 Soil (-17.5)		10/23/20	1115	soil			X					X	X							
B2 Soil (-9)		10/23/20	1255	soil			X		X				X							
B6 Soil (-18-23)		10/23/20	1550	soil			X		X			X	X							

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 4 DAY | 5 DAY | Other: ____

SPECIAL INSTRUCTIONS:
add crimson@HLWoregon.com to invoices
• we have moved our office!

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 10/24/20	Date: 10/24/20	Date:	Date:
Time: 900	Time: 9:24	Time:	Time:
Printed Name: Melissa Hubler	Printed Name: Anissa Hogan	Printed Name:	Printed Name:
Company: Hudspeth Land+Water	Company: Apex Labs	Company:	Company:

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Hudspeth Land+Water	Project: **AAS**	
7485 SW Joshua Ct.	Project Number: **2**	**Report ID:**
Powell Butte, OR 97753	Project Manager: **Amber Hudspeth**	**A0J0859 - 11 30 20 0319**

APEX LABS COOLER RECEIPT FORM

Client: Hudspeth Land + Water Element WO#: A0 J0859

Project/Project #: AAS 2

Delivery Info:

Date/time received: 10/24/20 @ 934 By: AKK

Delivered by: Apex ___ Client X ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 10/24/20 @ 934 By: AKK

Chain of Custody included? Yes X No ___ Custody seals? Yes ___ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	5.3						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
~~Ice type: (Gel/Real/Other)~~	Real						
Condition:	Good						

Cooler out of temp? (Y/N) Possible reason why: ___

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA

Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 10/24/20 @ 1150 By: JS

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

Water samples: pH checked: Yes ___ No ___ NA X pH appropriate? Yes ___ No ___ NA X

Comments: ___

Additional information: ___

Labeled by: JS Witness: AKK Cooler Inspected by: Client See Project Contact Form: Y

Apex Laboratories

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