Stantec Consulting Services Inc.
601 SW Second Avenue Suite 1400, Portland OR 97204-3128

October 13, 2023
File: 185750980

Attention: Colin Polk
Prosper Portland
222 NW 5th Avenue,
Portland, Oregon 97207

Dear Mr. Polk,

Reference: Former USPS P&DC Property, 715 NW Hoyt Street, Portland, Oregon
Addendum to UST Decommissioning Report - DEQ ECSI #2183 and LUST File 26-93-6059

Stantec Consulting Services Inc. (Stantec) appreciates the opportunity to provide you with this report documenting the completion of underground storage tank (UST) decommissioning and soil cleanup at the above-referenced property (Property) in Portland, Oregon.

PROPERTY DESCRIPTION AND HISTORY

The Property is an approximately 13.4-acre, rectangular-shaped parcel located within the Pearl District in Portland, Oregon. The Property is comprised of tax lots 100 and 200 on Multnomah County tax map 1N 1E 34BC and is bounded by the Lovejoy Street Ramp to the Broadway Bridge to the north, by the NW Broadway Ramp to the Broadway Bridge to the east, NW Hoyt Street to the south, and NW 9th Avenue to the west.

The Property previously included a United States Postal Service (USPS) facility that processed all outgoing mail for the state of Oregon. This included a 398,000-square-foot Processing and Distribution Center (P&DC) Building, a 10,025-square-foot Vehicle Maintenance Facility (VMF) with a fuel island and 10,000-gallon diesel UST, a 157,400-square-foot multi-story parking structure, and surface parking and maneuvering areas for postal vehicles. The Property is in the process of being redeveloped and has been in active demolition and cleanup since 2020. The former P&DC Building was being demolished during cleanup activities described herein. Currently, the southwest portion of the Property is leased by the USPS and is primarily used as a retail post office.

A Property Location Map is provided as **Figure 1**. A Property layout map illustrating the area investigated is provided as **Figure 2**.

PROPERTY HISTORY AND PRIOR ENVIRONMENTAL ASSESSMENT ACTIVITIES

The former P&DC Building was heated with bunker C fuel from a 25,000-gallon heating oil tank (HOT). This report describes cleanup activities associated with this HOT. The 25,000-gallon Bunker C UST was formerly located near the southwest corner of the former P&DC Building. The UST was decommissioned in 1993 and was listed in Oregon Department of Environmental Quality's (DEQ's) leaking underground storage tank (LUST) database as #26-93-6059 and was administratively closed in November 1995. As

noted in the LUST file closure documents, during removal, contamination was observed in the area of the product lines, which had been damaged during shoring activities while decommissioning of the UST. Results from the investigation and confirmatory sampling are documented in *Geotechnical Investigation, 25,000 Gallon UST Removal* (June 8, 1993) and *UST Decommissioning & Soil Investigation Report* (February 10, 1994) prepared by Dames & Moore (Dames & Moore, 1993 and 1994, respectively). Approximately 321 tons of Impacted soil was removed from this location and transported to Oregon Hydrocarbon for disposal. Following UST removal, three confirmation soil samples were collected from soil below the former UST. Soil sample analytical results ranged from "Non detect" to 33 milligrams per kilograms (mg/kg) of diesel-range hydrocarbons by Oregon Department of Environmental Quality (DEQ) analytical method TPH-418.1 modified. However, a pocket of residual soil contamination with diesel concentrations up to 770 mg/kg was left in place adjacent to the P&DC Building foundation as noted in DEQ's June 13,1997 no further action *(*NFA) letter.

In 1993, Dames & Moore installed monitoring well B-1-93 near the southeast corner of the P&DC building, north of the former UST location. A groundwater sample collected from well B-1-93 was analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX). No BTEX was detected in groundwater. On September 4, 2020 monitoring well B-1-93 was decommissioned by Cascade Drilling by overdrilling using a sonic drilling rig.

EXPANDED CONTAMINATED MEDIA MANAGEMENT PLAN REMEDIAL ACTION OBJECTIVES

Stantec prepared an Expanded Contaminated Media Management Plan (ECMMP) to facilitate phased Property cleanup activities which included the excavation and disposal of the reported pocket of residual contamination as noted in DEQ's NFA letter. The ECMMP was approved by the DEQ on July 2, 2020. The ECMMP established excavation limits and confirmation sampling procedures to remediate and manage predetermined areas including the residual pocket of contamination associated with the South P&DC Building Area HOT. The ECMMP established remedial action objectives for the excavation that would be achieved once all collected confirmation sample results and a calculated toxic equivalency quotient (TEQ) for carcinogenic polycyclic aromatic hydrocarbons (PAHs) were at or below DEQ direct contact risk-based concentrations (RBCs) for urban residential receptors.

FIELD ACTVITIES

Stantec was present on September 8, 2023, to provide professional oversight during excavation of the South P&DC Building Area HOT product lines and impacted soil, and to collect confirmation soil samples in accordance with the procedures described in the ECMMP. A track-mounted excavator operated by Raimore Construction (Raimore) of Portland, Oregon was used to excavate soil and expose the product lines. The HOT product lines were located between the former tank nest and the remaining P&DC Building foundation. Once exposed, the product lines were removed. Raimore continued to excavate soil beneath and on both sides of the product lines to a depth of approximately 8 feet below ground surface (bgs), to evaluate the nature and extent of any remaining contamination. Soil contamination was not observed in the excavation floor or sidewalls. A volume of less than a cubic yard of soil was not excavated near the former tank nest due to sluffing pea gravel from the former tank nest (directly south adjacent from the excavation). A Stantec daily field report describing excavation and oversight activities is included in **Attachment 1**.

Once the excavation was completed, a total of four confirmation soil samples (Ex6-South wall-8', Ex6-North

wall-8', Ex6-West wall-8', and Ex6-East wall-8') were collected, one from the base of each of the excavation sidewalls at an approximate depth of 8 feet bgs as shown on **Figure 3**. Each soil sample was collected from the excavator bucket with disposable gloves and placed in laboratory supplied jars. Collected confirmation soil samples were submitted for the following analyses:

- Gasoline-range organics (GRO) by United States Environmental Protection Agency (USEPA) Method 5035 (field methanol preservation) and USEPA Method NWTPH-Gx.
- Diesel-range organics (DRO) and oil-range organics (ORO) by Method NWTPH-Dx.
- Volatile organic compounds (VOCs) by USEPA Methods 5035A and 8260D.
- Resource conservation and recovery act (RCRA) eight metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) by USEPA 6020B.
- PAHs by USEPA Method 8270E SIM.

Following confirmation soil sampling the excavation was backfilled with clean excavated soil that was determined to be suitable for fill, based on visual moisture content. Soils unsuitable for use as backfill due to excessive moisture content were placed within existing construction soil stockpiles located on Property. Potentially contaminated soil, totaling 24.96 tons was delivered to the Waste Management Hillsboro Landfill for disposal. Waste tickets are included in **Attachment 2.**

SOIL SAMPLING RESULTS

A summary of detected concentrations in collected soil samples is presented in **Table 1** and a copy of the laboratory analytical report is included in **Attachment 3**.

As summarized in **Table 1**, GRO and ORO were not detected at a concentration above the reporting limit (RL) in the four soil samples. DRO was detected in one soil sample Ex6-North-8' at 33.2 mg/kg.

No VOCs were detected above the RL in collected soil samples.

PAHs were detected in the four soil samples above the RL for one or more of the following analytes:

- 1-Methylnaphthalene.
- 2-Methylnaphthalene.
- Benz(a)anthracene.
- Benza(a)pyrene.
- Benzo(b)fluoranthene.
- Benzo(g,h,i)perylene.
- Benzo(k)fluoranthene.
- Chrysene.
- Dibenz(a,h)anthracene.
- Dibenzofuran.
- Fluoranthene.
- Fluorene.
- Indeno(1,2,3-cd)pyrene.
- Naphthalene.
- Phenanthrene.
- Pyrene.

Total arsenic was detected in all four of the soil samples ranging from 3.74 mg/kg to 12.8 mg/kg, total barium was detected in all four soil samples ranging from 139 mg/kg to 187 mg/kg, total chromium was detected in all four soil samples ranging from 12.4 mg/kg to 25.5 mg/kg and total lead was detected in all four soil samples ranging from 22.9 mg/kg to 48.4 mg/kg. Total mercury was detected in two soil samples at 0.121 mg/kg and 0.203 mg/kg and total silver was detected in one soil sample at 0.270 mg/kg. Cadmium and selenium were not detected in any of the four soil samples.

CONFIRMATION SOIL SAMPLING FINDINGS

Soil sample results were compared to DEQ's clean fill criteria (DEQ, 2019), DEQ background metals concentrations in soil for the Portland Basin (DEQ, 2018a), and DEQ RBCs (DEQ, 2018b and DEQ, 2023) for direct contact by urban residential, occupational, construction worker, and excavation worker receptors. The maximum DRO concentration (33.2 mg/kg in the sample collected in Ex6-North Wall-8') was below applicable DEQ RBCs.

Select PAHs (1-methylnaphthalene, dibenzofuran, and naphthalene) were detected in soil sample Ex6-South Wall-8' at concentrations that exceed DEQ's clean fill criteria, but do not exceed applicable RBCs. 1-Methylnaphthalene was found at a concentration of 1.03 mg/kg, dibenzofuran was found at a concentration of 0.0719, and naphthalene was found at a concentration of 0.117 mg/kg. Confirmation soil sample results from the other three locations did not exceed DEQ's clean fill criteria.

Total barium, total chromium, total silver, and total mercury concentrations detected in one or more of the four soil samples were reported below applicable DEQ RBCs. Total lead exceeded DEQ's clean fill criteria of 28 mg/kg in the samples collected from Ex6-North Wall-8' (32.6 mg/kg) and Ex6-West Wall-8' (48.4 mg/kg). Soil sample Ex6-South Wall-8', contained a total arsenic concentration of 12.8 mg/kg, which slightly exceeded the clean fill/background concentration for arsenic at 8.8 mg/kg and exceeds the occupational and urban residential direct contact RBCs of 1.0 mg/kg and 1.9 mg/kg. However, these RBCs are below the background concentration. Based on other arsenic results and regional concentrations of arsenic, these concentrations are not considered to pose a risk to Property receptors.

CLOSING

Stantec completed a subsurface investigation in the area of the South P&DC Building Area HOT that included excavating the pocket-in-place residual contamination associated with the product lines from the former HOT and collect confirmation soil samples from the excavation (**Figure 3**). Soil sampling results indicate that there has not been a significant contaminant release from the HOT product lines. Select concentrations of PAHs exceed DEQ clean fill criteria and Property soils will continue to be managed according to the ECMMP.

Therefore, Stantec does not recommend additional assessment or cleanup activities related to the South P&DC Building Area HOT. Although the LUST file was administratively closed in November 1995 (DEQ, 1995), this report should be included in DEQ's file to record that Prosper Portland thoroughly removed product lines and cleaned up residual soil contamination associated with this UST.

Regards,

Stantec Consulting Services Inc.

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Project Manager
Phone: 503 310 5272
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Attachment:
Figure 1 - Property Location Map
Figure 2 - Property Area Map
Figure 3 – Excavation Area Details
Table 1 – Soil Sampling Analytical Results
Attachment 1 – Waste Material Records
Attachment 2 – Daily Field Report
Attachment 3 – Laboratory Analytical Report

REFERENCES

Dames & Moore, 1993. Geotechnical Investigation, 25,000 Gallon UST Removal, USPS General Mail Facility, Portland, Oregon. June 8, 1993.

Dames & Moore, 1994. UST Decommissioning & Soil Investigation Report, Portland General Mail Facility, Portland, Oregon. ODEQ File No. 26-93-6059, USPS: 549986-91-4240. February 10, 1994.

DEQ, 1995. Administrative Closure Memorandum. November 24, 1995.

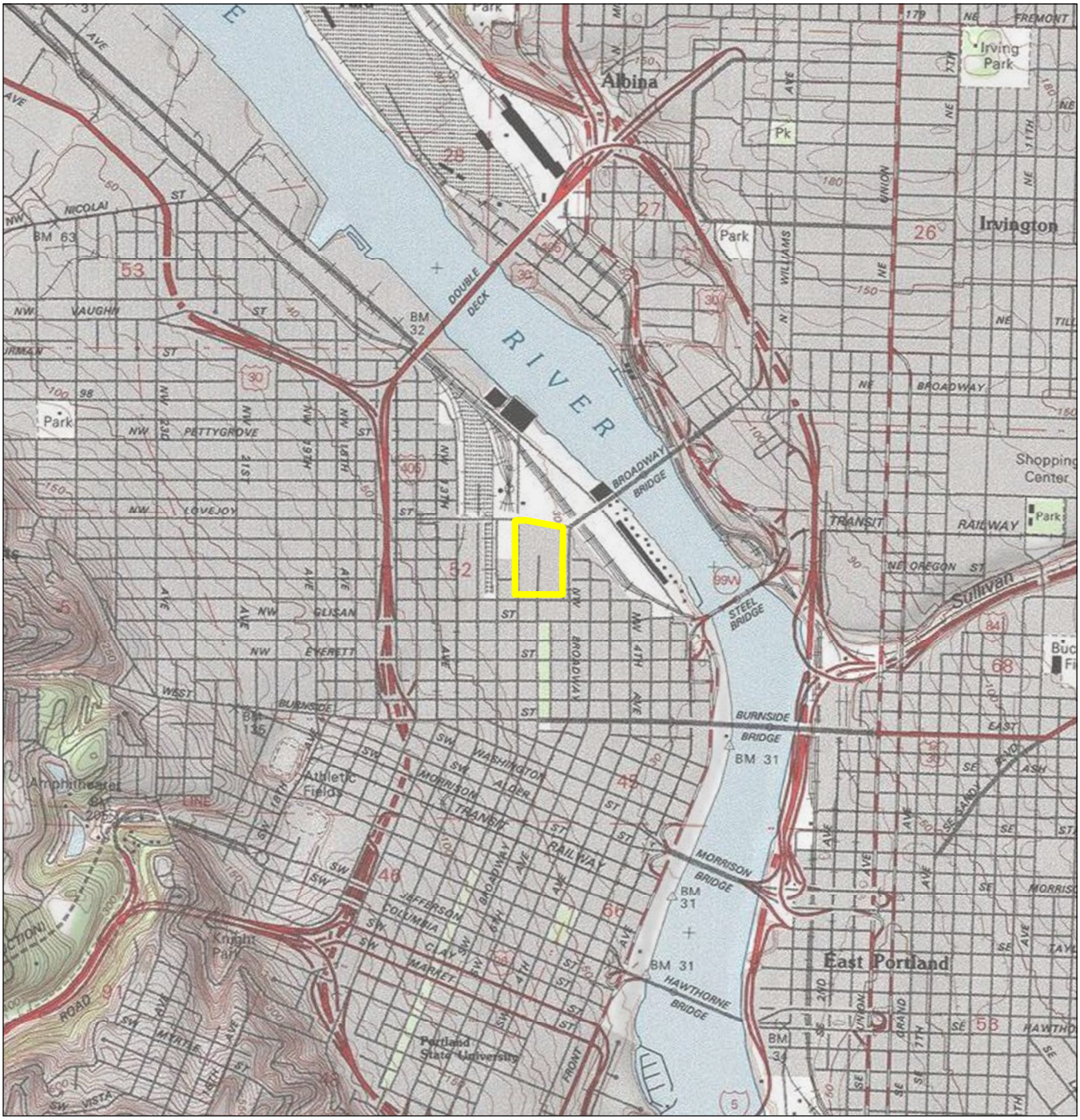
DEQ, 2018a. Background Levels of Metals in Soils for Cleanups. Updated January 2018.

DEQ, 2018b. Risk-Based Decision Making for the Remediation of Contaminated Sites. Table of generic Risk-Based Concentrations. Updated May 2018.

DEQ, 2019. Clean Fill Determinations. February 21, 2019.

DEQ, 2023. Risk-Based Concentrations for Individual Chemicals, April 2023 revision.

FIGURES



Property Boundary

0 1,000 2,000 Feet

(At original document size of 8.5x11)
1:24,000

N

Stantec

Project Location
City of Portland
Multnomah County, OR

Project Number
185750980

Client/Project

Prosper Portland
Former USPS P&DC Facility

Figure No.
1

Title
Project Location

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon North FIPS 3601 Feet
2. Data Sources:
3. Background: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

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Excavation

Approximate Former USPS P&DC Facility Footprint

Property Boundary

0 90 180 Feet

(At original document size of 8.5x11)
1:1,800

N

Stantec

Project Location
City of Portland
Multnomah County, OR

Project Number
185750980

Client/Project

Prosper Portland
Former USPS P&DC Facility

Figure No.
2

Title
Excavation Area Location

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon North FIPS 3601 Feet
2. Data Sources:
3. Background: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

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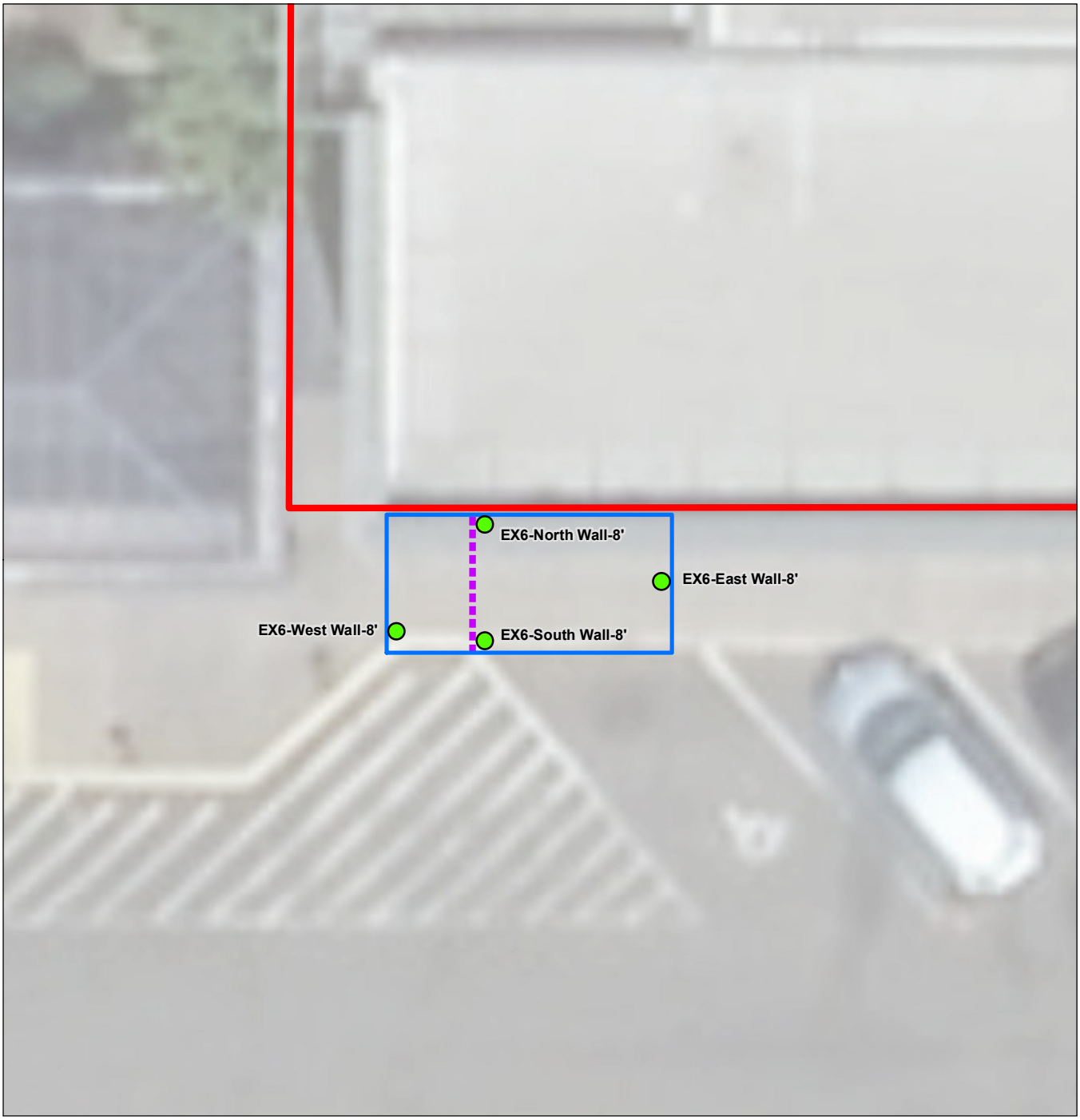

Sample Location

Former Product Line

Excavation Area

Approximate Former USPS P&DC Facility Footprint

0 5 10 Feet

(At original document size of 8.5x11)
1:100

N

Stantec

Project Location
City of Portland
Multnomah County, OR

Project Number
185750980

Client/Project

Prosper Portland
Former USPS P&DC Facility

Figure No.
3

Title
Excavation Area Details

Notes
1. Coordinate System: NAD 1983 StatePlane Oregon North FIPS 3601 Feet
2. Data Sources:
3. Background: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

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TABLE

Table 1 - Soil Analytical Results
UST Decommissioning and Soil Cleanup
Former USPS Processing Distribution Center Property
715 NW Hoyt Street
Portland, Oregon

Analytical Group	Analyte	Clean Fill / Background	Urban Residential RBC	Occupational RBC	Construction Worker RBC	Excavation Worker RBC	Ex6-South Wall-8'	Ex6-North Wall-8'	Ex6-West Wall-8'	Ex6-East Wall-8'
TPH	NWTPH-Gx (Gasoline)	31	2500	20000	9700	>Max	6.59 U	7.06 U	5.35 U	6.53 U
	NWTPH-Dx (Diesel)	1100	2200	14000	4600	>Max	25.7 U	**33.2**	24.4 U	24.2 U
	NWTPH-Dx (Motor Oil)	--	--	--	--	--	51.4 U	51.0 U	48.8 U	48.4 U
VOCs	Acetone	1.2	--	--	--	--	1.32 U	1.41 U	1.07 U	1.31 U
	Acrylonitrile	0.00036	2.5	4.0	40	1100	0.132 U	0.141 U	0.107 U	0.131 U
	Benzene	0.023	24	37	380	11000	0.0132 U	0.0141 U	0.0107 U	0.0131 U
	Bromobenzene	2.5	--	--	--	--	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Bromochloromethane	1.3	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Bromodichloromethane	0.002	12	15	230	6300	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Bromoform	0.046	170	260	2700	74000	0.132 U	0.141 U	0.107 U	0.131 U
	Bromomethane	0.083	92	750	370	10000	0.659 U	0.706 U	0.535 U	0.653 U
	2-Butanone (MEK)	72	--	--	--	--	0.659 U	0.706 U	0.535 U	0.653 U
	n-Butylbenzene	190	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	sec-Butylbenzene	350	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	tert-Butylbenzene	96	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Carbon disulfide	0.81	--	--	--	--	0.659 U	0.706 U	0.535 U	0.653 U
	Carbon tetrachloride	0.013	21	34	320	8900	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Chlorobenzene	2.4	1100	8700	4700	130000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Chloroethane	310	320000	>Max	>Max	>Max	0.659 U	0.706 U	0.535 U	0.653 U
	Chloroform	0.0034	22	26	410	11000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Chloromethane	2.2	2900	25000	25000	700000	0.329 U	0.353 U	0.268 U	0.326 U
	2-Chlorotoluene	14	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	4-Chlorotoluene	14	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Dibromochloromethane	0.0024	12	17	210	5800	0.132 U	0.141 U	0.107 U	0.131 U
	1,2-Dibromo-3-chloropropane	0.0000084	--	--	--	--	0.329 U	0.353 U	0.268 U	0.326 U
	1,2-Dibromoethane (EDB)	0.00012	0.53	0.73	9	250	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Dibromomethane	0.13	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	1,2-Dichlorobenzene	0.92	4400	36000	20000	560000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,3-Dichlorobenzene	0.74	--	--	--	--	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,4-Dichlorobenzene	0.057	62	64	1300	36000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Dichlorodifluoromethane	18	--	--	--	--	0.132 U	0.141 U	0.107 U	0.131 U
	1,1-Dichloroethane	0.044	190	260	3200	89000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,2-Dichloroethane (EDC)	0.0028	12	16	200	5600	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,1-Dichloroethene	6.7	3500	29000	13000	370000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	cis-1,2-Dichloroethene	0.63	310	2300	710	20000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,2-Dichloropropane	0.017	--	--	--	--	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,3-Dichloropropane	7.8	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	2,2-Dichloropropane	--	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	1,1-Dichloropropene	--	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	cis-1,3-Dichloropropene	0.01	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	trans-1,3-Dichloropropene	0.01	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Ethylbenzene	0.22	110	150	1700	49000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Hexachlorobutadiene	0.016	--	--	--	--	0.132 U	0.141 U	0.107 U	0.131 U
	2-Hexanone	0.36	--	--	--	--	0.659 U	0.706 U	0.535 U	0.653 U
	Isopropylbenzene	96	7000	57000	27000	750000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	4-Isopropyltoluene	--	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Methylene chloride	--	170	1600	2100	58000	0.659 U	0.706 U	0.535 U	0.653 U
	4-Methyl-2-pentanone (MiBK)	9.7	--	--	--	--	0.659 U	0.706 U	0.535 U	0.653 U
	Methyl tert-butyl ether (MTBE)	0.11	730	1100	12000	320000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Naphthalene	0.077	25	23	580	16000	0.132 U	0.141 U	0.107 U	0.131 U

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715 NW Hoyt Street
Portland, Oregon

Analytical Group	Analyte	Clean Fill / Background	Urban Residential RBC	Occupational RBC	Construction Worker RBC	Excavation Worker RBC	Ex6-South Wall-8'	Ex6-North Wall-8'	Ex6-West Wall-8'	Ex6-East Wall-8'
VOCs, continued	n-Propylbenzene	72	--	--	--	--	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Styrene	1.2	16000	130000	56000	>Max	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	1,1,1,2-Tetrachloroethane	0.013	--	--	--	--	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,1,2,2-Tetrachloroethane	0.0018	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	Tetrachloroethene (PCE)	0.18	540	1000	1800	50000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Toluene	23	12000	88000	28000	770000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	1,2,3-Trichlorobenzene	1.3	--	--	--	--	0.329 U	0.353 U	0.268 U	0.326 U
	1,2,4-Trichlorobenzene	0.2	--	--	--	--	0.329 U	0.353 U	0.268 U	0.326 U
	1,1,1-Trichloroethane	190	110000	870000	470000	>Max	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,1,2-Trichloroethane	0.0063	6.3	26	54	1500	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	1,2,3-Trichloropropane	0.000019	--	--	--	--	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	1,2,4-Trimethylbenzene	10	860	6900	2900	81000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	1,3,5-Trimethylbenzene	11	860	6900	2900	81000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	m,p-Xylene	11	2900	25000	20000	560000	0.0659 U	0.0706 U	0.0535 U	0.0653 U
	o-Xylene	1	2900	25000	20000	560000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	trans-1,2-Dichloroethene	7	3100	23000	7100	200000	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Trichloroethene	0.013	17	51	130	3700	0.0329 U	0.0353 U	0.0268 U	0.0326 U
	Trichlorofluoromethane	52	15000	130000	69000	>Max	0.132 U	0.141 U	0.107 U	0.131 U
	Vinyl chloride	0.00057	0.8	4.4	34	950	0.0329 U	0.0353 U	0.0268 U	0.0326 U
PAHs	1-Methylnaphthalene	0.36	--	--	--	--	**1.03**	0.0128 U	0.0125 U	0.0119 U
	2-Methylnaphthalene	11	--	--	--	--	**1.56**	0.0128 U	0.0125 U	0.0119 U
	Acenaphthene	0.25	9400	70000	21000	590000	0.103 U	0.0128 U	0.0125 U	0.0119 U
	Acenaphthylene	120	--	--	--	--	0.0263 U	0.0128 U	0.0125 U	0.0119 U
	Anthracene	6.8	47000	350000	110000	>Max	0.0338 U	0.0128 U	0.0125 U	0.0119 U
	Benz[a]anthracene	0.73	2.5	21	170	4800	**0.0626**	**0.0221**	**0.0127**	0.0119 U
	Benzo[a]pyrene	0.11	0.25	2.1	17	490	**0.0687**	**0.0302**	**0.0146**	0.0119 U
	Benzo[a]pyrene (BaP equivalents)	0.11	0.25	2.1	17	490	**0.096**	**0.040**	**0.020**	**0.0**
	Benzo[b]fluoranthene	1.1	2.5	21	170	4900	**0.0401**	**0.0378**	**0.0215**	0.0119 U
	Benzo[k]fluoranthene	11	25	210	1700	49000	0.0125 U	**0.0166**	0.0125 U	0.0119 U
	Benzo(g,h,i)perylene	25	--	--	--	--	**0.0296**	**0.0895**	**0.0128**	0.0119 U
	Chrysene	3.1	250	2100	17000	490000	**0.207**	**0.033**	**0.0209**	0.0119 U
	Dibenz[a,h]anthracene	0.11	0.25	2.1	17	490	**0.0154**	0.0128 U	0.0125 U	0.0119 U
	Dibenzofuran	0.002	--	--	--	--	**0.0719**	0.0128 U	0.0125 U	0.0119 U
	Fluoranthene	10	4800	30000	10000	280000	**0.0282**	**0.0527**	**0.0275**	0.0119 U
	Fluorene	3.7	6300	47000	14000	390000	**0.132**	0.0128 U	0.0125 U	0.0119 U
	Indeno[1,2,3-cd]pyrene	1.1	2.5	21	170	4900	**0.0161**	**0.0332**	**0.016**	0.0119 U
	Naphthalene	0.077	15	23	580	16000	**0.117**	0.0128 U	0.0125 U	0.0119 U
	Phenanthrene	--	--	--	--	--	**0.368**	**0.0245**	**0.0201**	0.0119 U
	Pyrene	10	3600	23000	7500	210000	**0.103**	**0.051**	**0.0272**	**0.0137**

Table 1 - Soil Analytical Results
UST Decommissioning and Soil Cleanup
Former USPS Processing Distribution Center Property
715 NW Hoyt Street
Portland, Oregon

Analytical Group	Analyte	Clean Fill / Background	Urban Residential RBC	Occupational RBC	Construction Worker RBC	Excavation Worker RBC	Ex6-South Wall-8'	Ex6-North Wall-8'	Ex6-West Wall-8'	Ex6-East Wall-8'
Metals	Arsenic	8.8	1.0	1.9	15	420	**12.8**	**3.74**	**7.82**	**8.02**
	Barium	790	31000	220000	69000	>Max	**187**	**139**	**180**	**160**
	Cadmium	0.63	160	1100	350	9700	0.265 U	0.252 U	0.249 U	0.256 U
	Chromium	76	NV	>Max	530000	>Max	**25.5**	**12.4**	**22.2**	**19.3**
	Lead	28	400	800	800	800	**22.9**	**32.6**	**48.4**	**25.2**
	Mercury	0.23	47	350	110	2900	**0.203**	0.101 U	**0.121**	0.102 U
	Selenium	0.71	--	--	--	--	1.33 U	1.26 U	1.24 U	1.28 U
	Silver	--	780	5800	1800	49000	0.265 U	0.252 U	**0.270**	0.256 U

Notes:

All results expressed as milligrams per kilogram

bold = indicates concentrations detected above method detection limits

= Result exceeds clean fill/background value.

= Result exceeds background and one or more direct contact RBC

-- = no screening value is listed for this analyte.

>Max = Substance is deemed not to pose a risk at any concentration

Clean Fill/Background Screening Values (Portland Basin), Oregon DEQ April 2019 revision

mg/kg = milligrams per kilogram

NV = Indicates chemcial is non-volatile

PAH = polycyclic aromatic hydrocarbons

RBCs = Oregon DEQ Risk-Based Concentrations; May 2018, amended June 2023

TEQ = Toxic Equivalency Quotient

TPH = total petroleum hydrocarbons

VOCs = volatile organic compounds

Data Qualifier Codes:

U = The analyte was not detected at or above the reported value

Attachment 1 Waste Material Records

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Reprint
Ticket# 1695663

Customer Name	RAIMORE CONSTRUCTION RAIMORE	Carrier	CUTTER		
Ticket Date	09/08/2023	Vehicle#	22	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	JERRY		
Hauling Ticket#		Check#			
Route		Billing #	0003125		
State Waste Code		Gen EPA ID	N/A		
Manifest	NA				
Destination		Grid			
PO	21010				
Profile	140755OR (DIESEL FUEL FUEL OIL CONTAMINATED SOIL)				
Generator	168-PROSPER PORTLAND 715 NW PROSPER PORTLAND_715 NW HOYT ST, PORTLAND OR 972				

	Time	Scale	Operator	Inbound		
In	09/08/2023 09:27:43	Inbound 1	ECOBB		Gross	72580 lb
Out	09/08/2023 09:27:43		ECOBB		Tare	29480 lb
					Net	43100 lb
					Tons	21.55

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-	100	21.55	Tons				MULT-IN
2	ENERGY-Energy Surc	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Reprint
Ticket# 1695702

Customer Name	RAIMORE CONSTRUCTION RAIMORE	Carrier	CUTTER	
Ticket Date	09/08/2023	Vehicle#	22	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JERRY	
Hauling Ticket#		Check#		
Route		Billing #	0003125	
State Waste Code		Gen EPA ID	N/A	
Manifest	NA			
Destination		Grid		
PO	21010			
Profile	140755OR (DIESEL FUEL FUEL OIL CONTAMINATED SOIL)			
Generator	168-PROSPER PORTLAND 715 NW PROSPER PORTLAND_715 NW HOYT ST, PORTLAND OR 972			

	Time	Scale	Operator	Inbound		
In	09/08/2023 11:33:31	Inbound 2	ECOBB		Gross	36300 lb
Out	09/08/2023 11:33:31		ECOBB		Tare	29480 lb
					Net	6820 lb
					Tons	3.41

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-	100	3.41	Tons				MULT-IN
2	ENERGY-Energy Surc	100		%				MULT-IN

Total Tax
Total Ticket

Driver`s Signature

Attachment 2 Daily Field Report

DAILY FIELD REPORT

PROJECT:	Prosper Portland – Former USPS P&DC Facility
LOCATION:	715 NW Hoyt Street, Portland Oregon
DATE:	9/8/2023
WEATHER:	70 F, Clear, 4.7mph (N)
PROJECT NUMBER:	185750980

Stantec
601 SW 2nd Ave. Suite 1400
Portland, OR

PERSONNEL - *Name, affiliation, and purpose of visit*

Stantec: Kirk Warner – Project Geologist – Heating oil release cleanup

SITE CLEANUP ACTIVITIES

- Raimore Construction, and Stantec onsite today
- Truck in rotation today.
  - Two trucks.
- Raimore excavated the product lines, moved the product lines out of the way and continued to excavate soil below and on both sides of the product lines, to evaluate the nature and extent of any remaining contamination.
- Soil contamination was not observed in the excavation, however an area consisting of less that a cubic yard of soil was unable to be exposed due to sluffing pea gravel from the former tank pit into the new excavation. Prosper Portland determined that the risk of undermining the area below the UST tank pit by allowing the fill gravel to flow out was not worth it to collect a sample from a relatively small area of potentially contaminated soil.
- Raimore hauled off any soil that was unsuitable for fill, due to moisture content.
- Following excavation and soil sampling the excavation was backfilled with the remaining excavated soil. Future site development include the removal of the excavation area and surrounding soil for construction, so it was determined by the contractor that it was unnecessary to backfill the excavation to the existing ground surface with imported fill.

SITE SPECIFIC ITEMS

EROSION SEDIMENT CONTROL MEASURES – *Dust, Track-Off, Inlet Protection, Fences/Berms, Soil Piles, etc.*

- Area around excavation was cleaned up and washed down by the contractor prior to leaving the site.

TRUCK LOG – *Track record of truck hauling (import and export):*

- Single Truck – Hauled a truckload of unsuitable excavated soil with a high moisture content to another location of the site. Second truck was not used.

CONTAMINATED SOIL EXCAVATION – *Progress, sampling, unanticipated contamination, etc.*

- No contaminated soil was observed, however confirmation soil samples were collected from the sidewalls and base of the excavation for analytical testing.

DEMOLITION AND REDEVELOPMENT PROGRESS – *Structure/Utility demo, backfill, Well abandonment, etc.*

NA

PLANNED ACTIVITIES FOR FOLLOWING WEEK

NA

OTHER OBSERVATIONS

NA

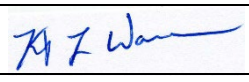
SIGNATURE[S] 

Photo 1: Exposed product lines in excavation.

Photo 2: Removal of exposed product lines.

Photo 3: Excavation below the product lines. Note the concrete piles and wood tank nest shoring

Photo 4: Excavation extended below the product lines and sluffing pea gravel from the tank nest.

Photo 5: Backfilling of the excavation with removed soil.

PROJECT NAME	PROJECT NO.	FIELD REPORT NO.
Prosper Portland - USPS	185750980	1
ADDRESS	DATE	PAGE
715 NW Hoyt Street	9/8/2023	Page **4** of **5**

Attachment 3 Laboratory Analytical Report

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

ANALYTICAL REPORT

Friday, September 22, 2023

Graeme Taylor
Stantec Portland
601 SW 2nd Ave Suite 1400
Portland, OR 97204

RE: A3I0916 - USPS - Prosper PDX - 185750980

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 A3I0916, which was received by the laboratory on 9/8/2023 at 11:25:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@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
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.
(See Cooler Receipt Form for details)
Default Cooler 3.0 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

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Ex6-South Wall-8'	A3I0916-01	Soil	09/08/23 08:50	09/08/23 11:25
Ex6-North Wall-8'	A3I0916-02	Soil	09/08/23 09:15	09/08/23 11:25
Ex6-West Wall-8'	A3I0916-03	Soil	09/08/23 09:00	09/08/23 11:25
Ex6-East Wall-8'	A3I0916-04	Soil	09/08/23 09:40	09/08/23 11:25

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0606**		
Diesel	ND	---	25.7	mg/kg dry	1	09/20/23 21:06	NWTPH-Dx	
Oil	ND	---	51.4	mg/kg dry	1	09/20/23 21:06	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 61 %*		*Limits: 50-150 %*	*1*	*09/20/23 21:06*	*NWTPH-Dx*	
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0606**		
Diesel	**33.2**	---	25.5	mg/kg dry	1	09/20/23 21:52	NWTPH-Dx	**F-11**
Oil	ND	---	51.0	mg/kg dry	1	09/20/23 21:52	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 73 %*		*Limits: 50-150 %*	*1*	*09/20/23 21:52*	*NWTPH-Dx*	
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0606**		
Diesel	ND	---	24.4	mg/kg dry	1	09/20/23 22:39	NWTPH-Dx	
Oil	ND	---	48.8	mg/kg dry	1	09/20/23 22:39	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 58 %*		*Limits: 50-150 %*	*1*	*09/20/23 22:39*	*NWTPH-Dx*	
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0606**		
Diesel	ND	---	24.2	mg/kg dry	1	09/20/23 23:02	NWTPH-Dx	
Oil	ND	---	48.4	mg/kg dry	1	09/20/23 23:02	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 64 %*		*Limits: 50-150 %*	*1*	*09/20/23 23:02*	*NWTPH-Dx*	

Apex Laboratories

Philip Nerenberg, Lab Director

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APEX LABORATORIES

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0382**		
Gasoline Range Organics	ND	---	6.59	mg/kg dry	50	09/13/23 18:56	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits:* *50-150 %*	*1*	*09/13/23 18:56*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*108 %*	*50-150 %*	*1*	*09/13/23 18:56*	*NWTPH-Gx (MS)*	
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0382**		
Gasoline Range Organics	ND	---	7.06	mg/kg dry	50	09/13/23 19:22	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits:* *50-150 %*	*1*	*09/13/23 19:22*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*109 %*	*50-150 %*	*1*	*09/13/23 19:22*	*NWTPH-Gx (MS)*	
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0382**		
Gasoline Range Organics	ND	---	5.35	mg/kg dry	50	09/13/23 19:48	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits:* *50-150 %*	*1*	*09/13/23 19:48*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*109 %*	*50-150 %*	*1*	*09/13/23 19:48*	*NWTPH-Gx (MS)*	
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0382**		
Gasoline Range Organics	ND	---	6.53	mg/kg dry	50	09/13/23 20:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*98 %*	*Limits:* *50-150 %*	*1*	*09/13/23 20:13*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*109 %*	*50-150 %*	*1*	*09/13/23 20:13*	*NWTPH-Gx (MS)*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0382**		
Acetone	ND	---	1320	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Acrylonitrile	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Benzene	ND	---	13.2	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Bromobenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Bromochloromethane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Bromodichloromethane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Bromoform	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Bromomethane	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
2-Butanone (MEK)	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
n-Butylbenzene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
sec-Butylbenzene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
tert-Butylbenzene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Carbon disulfide	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Carbon tetrachloride	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Chlorobenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Chloroethane	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Chloroform	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Chloromethane	ND	---	329	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
2-Chlorotoluene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
4-Chlorotoluene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Dibromochloromethane	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	329	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Dibromomethane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2-Dichlorobenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,3-Dichlorobenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,4-Dichlorobenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Dichlorodifluoromethane	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1-Dichloroethane	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1-Dichloroethene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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APEX LABORATORIES

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0382**		
1,2-Dichloropropane	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,3-Dichloropropane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
2,2-Dichloropropane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1-Dichloropropene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Ethylbenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Hexachlorobutadiene	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
2-Hexanone	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Isopropylbenzene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
4-Isopropyltoluene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Methylene chloride	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	659	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Naphthalene	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
n-Propylbenzene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Styrene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Toluene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	329	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	329	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1,1-Trichloroethane	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,1,2-Trichloroethane	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Trichloroethene (TCE)	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Trichlorofluoromethane	ND	---	132	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2,3-Trichloropropane	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
Vinyl chloride	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
m,p-Xylene	ND	---	65.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	
o-Xylene	ND	---	32.9	ug/kg dry	50	09/13/23 18:56	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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APEX LABORATORIES

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0382**		
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*	*1*	*09/13/23 18:56*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*09/13/23 18:56*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*	*1*	*09/13/23 18:56*	*5035A/8260D*	
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0382**		
Acetone	ND	---	1410	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Acrylonitrile	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Benzene	ND	---	14.1	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Bromobenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Bromochloromethane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Bromodichloromethane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Bromoform	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Bromomethane	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
2-Butanone (MEK)	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
n-Butylbenzene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
sec-Butylbenzene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
tert-Butylbenzene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Carbon disulfide	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Carbon tetrachloride	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Chlorobenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Chloroethane	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Chloroform	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Chloromethane	ND	---	353	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
2-Chlorotoluene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
4-Chlorotoluene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Dibromochloromethane	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	353	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Dibromomethane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2-Dichlorobenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,3-Dichlorobenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,4-Dichlorobenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Dichlorodifluoromethane	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1-Dichloroethane	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0382**		
1,2-Dichloroethane (EDC)	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1-Dichloroethene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2-Dichloropropane	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,3-Dichloropropane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
2,2-Dichloropropane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1-Dichloropropene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Ethylbenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Hexachlorobutadiene	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
2-Hexanone	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Isopropylbenzene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
4-Isopropyltoluene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Methylene chloride	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	706	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Naphthalene	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
n-Propylbenzene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Styrene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Toluene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	353	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	353	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1,1-Trichloroethane	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,1,2-Trichloroethane	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Trichloroethene (TCE)	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Trichlorofluoromethane	ND	---	141	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2,3-Trichloropropane	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0382**		
1,3,5-Trimethylbenzene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Vinyl chloride	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
m,p-Xylene	ND	---	70.6	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
o-Xylene	ND	---	35.3	ug/kg dry	50	09/13/23 19:22	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/13/23 19:22*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*09/13/23 19:22*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*	*1*	*09/13/23 19:22*	*5035A/8260D*	
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0382**		
Acetone	ND	---	1070	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Acrylonitrile	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Benzene	ND	---	10.7	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Bromobenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Bromochloromethane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Bromodichloromethane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Bromoform	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Bromomethane	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
2-Butanone (MEK)	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
n-Butylbenzene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
sec-Butylbenzene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
tert-Butylbenzene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Carbon disulfide	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Carbon tetrachloride	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Chlorobenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Chloroethane	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Chloroform	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Chloromethane	ND	---	268	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
2-Chlorotoluene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
4-Chlorotoluene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Dibromochloromethane	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	268	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Dibromomethane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0382**		
1,2-Dichlorobenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,3-Dichlorobenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,4-Dichlorobenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Dichlorodifluoromethane	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,1-Dichloroethane	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,1-Dichloroethene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2-Dichloropropane	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,3-Dichloropropane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
2,2-Dichloropropane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,1-Dichloropropene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Ethylbenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Hexachlorobutadiene	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
2-Hexanone	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Isopropylbenzene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
4-Isopropyltoluene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Methylene chloride	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	535	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Naphthalene	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
n-Propylbenzene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Styrene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Toluene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	268	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	268	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,1,1-Trichloroethane	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0382**		
1,1,2-Trichloroethane	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Trichloroethene (TCE)	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Trichlorofluoromethane	ND	---	107	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2,3-Trichloropropane	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Vinyl chloride	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
m,p-Xylene	ND	---	53.5	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
o-Xylene	ND	---	26.8	ug/kg dry	50	09/13/23 19:48	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/13/23 19:48*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*09/13/23 19:48*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*95 %*	*79-120 %*	*1*	*09/13/23 19:48*	*5035A/8260D*	
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0382**		
Acetone	ND	---	1310	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Acrylonitrile	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Benzene	ND	---	13.1	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Bromobenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Bromochloromethane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Bromodichloromethane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Bromoform	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Bromomethane	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
2-Butanone (MEK)	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
n-Butylbenzene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
sec-Butylbenzene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
tert-Butylbenzene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Carbon disulfide	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Carbon tetrachloride	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Chlorobenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Chloroethane	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Chloroform	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Chloromethane	ND	---	326	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
2-Chlorotoluene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0382**		
4-Chlorotoluene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Dibromochloromethane	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	326	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Dibromomethane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2-Dichlorobenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,3-Dichlorobenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,4-Dichlorobenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Dichlorodifluoromethane	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1-Dichloroethane	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1-Dichloroethene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2-Dichloropropane	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,3-Dichloropropane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
2,2-Dichloropropane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1-Dichloropropene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Ethylbenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Hexachlorobutadiene	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
2-Hexanone	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Isopropylbenzene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
4-Isopropyltoluene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Methylene chloride	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	653	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Naphthalene	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
n-Propylbenzene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Styrene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0382**		
Tetrachloroethene (PCE)	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Toluene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	326	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	326	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1,1-Trichloroethane	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,1,2-Trichloroethane	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Trichloroethene (TCE)	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Trichlorofluoromethane	ND	---	131	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2,3-Trichloropropane	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Vinyl chloride	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
m,p-Xylene	ND	---	65.3	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
o-Xylene	ND	---	32.6	ug/kg dry	50	09/13/23 20:13	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/13/23 20:13*	*5035A/8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*09/13/23 20:13*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*95 %*	*79-120 %*	*1*	*09/13/23 20:13*	*5035A/8260D*	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0325**		
Acenaphthene	ND	---	103	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	R-02
Acenaphthylene	ND	---	26.3	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	R-02
Anthracene	ND	---	33.8	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	R-02
Benz(a)anthracene	**62.6**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	**M-05**
Benzo(a)pyrene	**68.7**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Benzo(b)fluoranthene	**40.1**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Benzo(g,h,i)perylene	**29.6**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Chrysene	**207**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Dibenz(a,h)anthracene	**15.4**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Fluoranthene	**28.2**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Fluorene	**132**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	**16.1**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
1-Methylnaphthalene	**1030**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
2-Methylnaphthalene	**1560**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Naphthalene	**117**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Phenanthrene	**368**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Pyrene	**103**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Dibenzofuran	**71.9**	---	12.5	ug/kg dry	1	09/13/23 12:22	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*71 %*	*Limits: 44-120 %*	*1*	*09/13/23 12:22*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*70 %*	*54-127 %*	*1*	*09/13/23 12:22*	*EPA 8270E SIM*	
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0325**		
Acenaphthene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Acenaphthylene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Anthracene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Benz(a)anthracene	**22.1**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Benzo(a)pyrene	**30.2**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Benzo(b)fluoranthene	**37.8**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	**M-05**
Benzo(k)fluoranthene	**16.6**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	**M-05**
Benzo(g,h,i)perylene	**89.5**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Chrysene	**33.0**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0325**		
Fluoranthene	**52.7**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Fluorene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	**33.2**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
1-Methylnaphthalene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
2-Methylnaphthalene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Naphthalene	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Phenanthrene	**24.5**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Pyrene	**51.0**	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Dibenzofuran	ND	---	12.8	ug/kg dry	1	09/13/23 12:47	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*82 %*	*Limits: 44-120 %*	*1*	*09/13/23 12:47*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*80 %*	*54-127 %*	*1*	*09/13/23 12:47*	*EPA 8270E SIM*	
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0325**		
Acenaphthene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Acenaphthylene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Anthracene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Benz(a)anthracene	**12.7**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Benzo(a)pyrene	**14.6**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Benzo(b)fluoranthene	**21.5**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Benzo(g,h,i)perylene	**12.8**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Chrysene	**20.9**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Fluoranthene	**27.5**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Fluorene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	**16.0**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
1-Methylnaphthalene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
2-Methylnaphthalene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Naphthalene	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Phenanthrene	**20.1**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Pyrene	**27.2**	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Dibenzofuran	ND	---	12.5	ug/kg dry	1	09/13/23 13:12	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*73 %*	*Limits: 44-120 %*	*1*	*09/13/23 13:12*	*EPA 8270E SIM*	

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0325**		
Surrogate: p-Terphenyl-d14 (Surr)		*Recovery: 72 %*		*Limits: 54-127 %*	*1*	*09/13/23 13:12*	*EPA 8270E SIM*	
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0325**		
Acenaphthene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Acenaphthylene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Anthracene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Benz(a)anthracene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Chrysene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Fluoranthene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Fluorene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
1-Methylnaphthalene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
2-Methylnaphthalene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Naphthalene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Phenanthrene	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Pyrene	**13.7**	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Dibenzofuran	ND	---	11.9	ug/kg dry	1	09/13/23 13:38	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 77 %*		*Limits: 44-120 %*	*1*	*09/13/23 13:38*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*75 %*	*54-127 %*	*1*	*09/13/23 13:38*	*EPA 8270E SIM*	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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APEX LABORATORIES

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**				
Batch: 23I0542								
Arsenic	**12.8**	---	1.33	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Barium	**187**	---	1.33	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Cadmium	ND	---	0.265	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Chromium	**25.5**	---	1.33	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Lead	**22.9**	---	0.265	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Mercury	**0.203**	---	0.106	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Selenium	ND	---	1.33	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Silver	ND	---	0.265	mg/kg dry	10	09/18/23 20:59	EPA 6020B	
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**				
Batch: 23I0542								
Arsenic	**3.74**	---	1.26	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Barium	**139**	---	1.26	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Cadmium	ND	---	0.252	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Chromium	**12.4**	---	1.26	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Lead	**32.6**	---	0.252	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Mercury	ND	---	0.101	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Selenium	ND	---	1.26	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Silver	ND	---	0.252	mg/kg dry	10	09/18/23 21:14	EPA 6020B	
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**				
Batch: 23I0542								
Arsenic	**7.82**	---	1.24	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Barium	**180**	---	1.24	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Cadmium	ND	---	0.249	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Chromium	**22.2**	---	1.24	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Lead	**48.4**	---	0.249	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Mercury	**0.121**	---	0.0996	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Selenium	ND	---	1.24	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Silver	**0.270**	---	0.249	mg/kg dry	10	09/18/23 21:20	EPA 6020B	
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**				
Batch: 23I0542								

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ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**				
Arsenic	**8.02**	---	1.28	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Barium	**160**	---	1.28	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Cadmium	ND	---	0.256	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Chromium	**19.3**	---	1.28	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Lead	**25.2**	---	0.256	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Mercury	ND	---	0.102	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Selenium	ND	---	1.28	mg/kg dry	10	09/18/23 21:25	EPA 6020B	
Silver	ND	---	0.256	mg/kg dry	10	09/18/23 21:25	EPA 6020B	

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601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Ex6-South Wall-8' (A3I0916-01)				**Matrix: Soil**		**Batch: 23I0284**		
% Solids	**76.7**	---	1.00	%	1	09/12/23 06:49	EPA 8000D	
Ex6-North Wall-8' (A3I0916-02)				**Matrix: Soil**		**Batch: 23I0284**		
% Solids	**73.8**	---	1.00	%	1	09/12/23 06:49	EPA 8000D	
Ex6-West Wall-8' (A3I0916-03)				**Matrix: Soil**		**Batch: 23I0284**		
% Solids	**79.6**	---	1.00	%	1	09/12/23 06:49	EPA 8000D	
Ex6-East Wall-8' (A3I0916-04)				**Matrix: Soil**		**Batch: 23I0284**		
% Solids	**77.8**	---	1.00	%	1	09/12/23 06:49	EPA 8000D	

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Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0606 - EPA 3546 (Fuels)								Soil				
Blank (23I0606-BLK1)			Prepared: 09/20/23 04:41		Analyzed: 09/20/23 20:19							
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 79 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS (23I0606-BS1)			Prepared: 09/20/23 04:41		Analyzed: 09/20/23 20:42							
NWTPH-Dx												
Diesel	106	---	20.0	mg/kg wet	1	125	---	85	38-132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 83 %*	*Limits: 50-150 %*		*Dilution: 1x*						
Duplicate (23I0606-DUP1)			Prepared: 09/20/23 04:41		Analyzed: 09/20/23 21:29							
QC Source Sample: Ex6-South Wall-8' (A3I0916-01)												
NWTPH-Dx												
Diesel	ND	---	25.1	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	50.2	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 64 %*	*Limits: 50-150 %*		*Dilution: 1x*						
Duplicate (23I0606-DUP2)			Prepared: 09/20/23 04:41		Analyzed: 09/21/23 07:33							
QC Source Sample: Non-SDG (A3I1230-05)												
Diesel	ND	---	23.5	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	46.9	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 80 %*	*Limits: 50-150 %*		*Dilution: 1x*						

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Blank (23I0382-BLK1)			Prepared: 09/13/23 12:20		Analyzed: 09/13/23 15:32							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*111 %*		*50-150 %*			*"*				
LCS (23I0382-BS2)			Prepared: 09/13/23 12:20		Analyzed: 09/13/23 15:02							
NWTPH-Gx (MS)												
Gasoline Range Organics	27.2	---	5.00	mg/kg wet	50	25.0	---	109	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*110 %*		*50-150 %*			*"*				
Duplicate (23I0382-DUP1)			Prepared: 09/08/23 10:44		Analyzed: 09/13/23 21:55							
QC Source Sample: Non-SDG (A3I0996-01)												
Gasoline Range Organics	ND	---	6.48	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*111 %*		*50-150 %*			*"*				

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601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Blank (23I0382-BLK1)			Prepared: 09/13/23 12:20 Analyzed: 09/13/23 15:32									
5035A/8260D												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

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ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Blank (23I0382-BLK1)			Prepared: 09/13/23 12:20 Analyzed: 09/13/23 15:32									
1,2-Dichloropropane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

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

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Portland, OR 97204	Project Manager: Graeme Taylor	A3I0916 - 09 22 23 1726

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 23I0382 - EPA 5035A							**Soil**					
Blank (23I0382-BLK1)				Prepared: 09/13/23 12:20 Analyzed: 09/13/23 15:32								
Surr: Toluene-d8 (Surr)			*Recovery: 105 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*94 %*	*79-120 %*			*"*					
LCS (23I0382-BS1)				Prepared: 09/13/23 12:20 Analyzed: 09/13/23 14:11								
5035A/8260D												
Acetone	2140	---	1000	ug/kg wet	50	2000	---	107	80-120%	---	---	
Acrylonitrile	1090	---	100	ug/kg wet	50	1000	---	109	80-120%	---	---	
Benzene	1090	---	10.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Bromobenzene	958	---	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Bromochloromethane	1180	---	50.0	ug/kg wet	50	1000	---	118	80-120%	---	---	
Bromodichloromethane	1200	---	50.0	ug/kg wet	50	1000	---	120	80-120%	---	---	
Bromoform	992	---	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromomethane	1880	---	500	ug/kg wet	50	1000	---	**188**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	2110	---	500	ug/kg wet	50	2000	---	105	80-120%	---	---	
n-Butylbenzene	977	---	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
sec-Butylbenzene	997	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
tert-Butylbenzene	914	---	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Carbon disulfide	1220	---	500	ug/kg wet	50	1000	---	**122**	**80-120%**	---	---	Q-56
Carbon tetrachloride	1170	---	50.0	ug/kg wet	50	1000	---	117	80-120%	---	---	
Chlorobenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Chloroethane	1550	---	500	ug/kg wet	50	1000	---	**155**	**80-120%**	---	---	Q-56
Chloroform	1160	---	50.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
Chloromethane	880	---	250	ug/kg wet	50	1000	---	88	80-120%	---	---	
2-Chlorotoluene	942	---	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
4-Chlorotoluene	980	---	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Dibromochloromethane	1050	---	100	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,2-Dibromo-3-chloropropane	862	---	250	ug/kg wet	50	1000	---	86	80-120%	---	---	
1,2-Dibromoethane (EDB)	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Dibromomethane	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
1,2-Dichlorobenzene	976	---	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,3-Dichlorobenzene	994	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,4-Dichlorobenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Dichlorodifluoromethane	883	---	100	ug/kg wet	50	1000	---	88	80-120%	---	---	
1,1-Dichloroethane	1180	---	25.0	ug/kg wet	50	1000	---	118	80-120%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
LCS (23I0382-BS1)			Prepared: 09/13/23 12:20 Analyzed: 09/13/23 14:11									
1,2-Dichloroethane (EDC)	1240	---	25.0	ug/kg wet	50	1000	---	**124**	**80-120%**	---	---	Q-56
1,1-Dichloroethene	1200	---	25.0	ug/kg wet	50	1000	---	120	80-120%	---	---	
cis-1,2-Dichloroethene	1100	---	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
trans-1,2-Dichloroethene	1150	---	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
1,2-Dichloropropane	1140	---	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,3-Dichloropropane	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
2,2-Dichloropropane	1240	---	50.0	ug/kg wet	50	1000	---	**124**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1120	---	50.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
cis-1,3-Dichloropropene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
trans-1,3-Dichloropropene	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
Ethylbenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Hexachlorobutadiene	942	---	100	ug/kg wet	50	1000	---	94	80-120%	---	---	
2-Hexanone	1710	---	500	ug/kg wet	50	2000	---	85	80-120%	---	---	
Isopropylbenzene	929	---	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
4-Isopropyltoluene	950	---	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Methylene chloride	1200	---	500	ug/kg wet	50	1000	---	120	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1740	---	500	ug/kg wet	50	2000	---	87	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	990	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Naphthalene	779	---	100	ug/kg wet	50	1000	---	**78**	**80-120%**	---	---	Q-55
n-Propylbenzene	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Styrene	934	---	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1090	---	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Tetrachloroethene (PCE)	1080	---	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Toluene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,2,3-Trichlorobenzene	884	---	250	ug/kg wet	50	1000	---	88	80-120%	---	---	
1,2,4-Trichlorobenzene	810	---	250	ug/kg wet	50	1000	---	81	80-120%	---	---	
1,1,1-Trichloroethane	1200	---	25.0	ug/kg wet	50	1000	---	120	80-120%	---	---	
1,1,2-Trichloroethane	1110	---	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Trichloroethene (TCE)	1090	---	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Trichlorofluoromethane	416	---	100	ug/kg wet	50	1000	---	**42**	**80-120%**	---	---	Q-55
1,2,3-Trichloropropane	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,2,4-Trimethylbenzene	976	---	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,3,5-Trimethylbenzene	997	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
LCS (23I0382-BS1)			Prepared: 09/13/23 12:20 Analyzed: 09/13/23 14:11									
Vinyl chloride	1300	---	25.0	ug/kg wet	50	1000	---	**130**	**80-120%**	---	---	Q-56
m,p-Xylene	2080	---	50.0	ug/kg wet	50	2000	---	104	80-120%	---	---	
o-Xylene	904	---	25.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*104 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*88 %*		*79-120 %*			*"*				
Duplicate (23I0382-DUP1)			Prepared: 09/08/23 10:44 Analyzed: 09/13/23 21:55									
QC Source Sample: Non-SDG (A3I0996-01)												
Acetone	ND	---	1300	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	13.0	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	324	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	324	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Duplicate (23I0382-DUP1)			Prepared: 09/08/23 10:44 Analyzed: 09/13/23 21:55									
QC Source Sample: Non-SDG (A3I0996-01)												
1,3-Dichlorobenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	648	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	324	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	324	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Duplicate (23I0382-DUP1)			Prepared: 09/08/23 10:44 Analyzed: 09/13/23 21:55									
QC Source Sample: Non-SDG (A3I0996-01)												
Trichloroethene (TCE)	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	130	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	64.8	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	32.4	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*104 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*93 %*		*79-120 %*			*"*				
Matrix Spike (23I0382-MS1)			Prepared: 09/08/23 09:40 Analyzed: 09/13/23 20:38									
QC Source Sample: Ex6-East Wall-8' (A3I0916-04)												
5035A/8260D												
Acetone	2900	---	1310	ug/kg dry	50	2610	ND	111	36-164%	---	---	
Acrylonitrile	1380	---	131	ug/kg dry	50	1300	ND	105	65-134%	---	---	
Benzene	1420	---	13.1	ug/kg dry	50	1300	ND	109	77-121%	---	---	
Bromobenzene	1270	---	32.6	ug/kg dry	50	1300	ND	97	78-121%	---	---	
Bromochloromethane	1510	---	65.3	ug/kg dry	50	1300	ND	115	78-125%	---	---	
Bromodichloromethane	1500	---	65.3	ug/kg dry	50	1300	ND	115	75-127%	---	---	
Bromoform	1280	---	131	ug/kg dry	50	1300	ND	98	67-132%	---	---	
Bromomethane	2370	---	653	ug/kg dry	50	1300	ND	**182**	**53-143%**	---	---	Q-54d
2-Butanone (MEK)	2800	---	653	ug/kg dry	50	2610	ND	107	51-148%	---	---	
n-Butylbenzene	1350	---	65.3	ug/kg dry	50	1300	ND	103	70-128%	---	---	
sec-Butylbenzene	1390	---	65.3	ug/kg dry	50	1300	ND	107	73-126%	---	---	
tert-Butylbenzene	1290	---	65.3	ug/kg dry	50	1300	ND	99	73-125%	---	---	
Carbon disulfide	1580	---	653	ug/kg dry	50	1300	ND	121	63-132%	---	---	Q-54a
Carbon tetrachloride	1540	---	65.3	ug/kg dry	50	1300	ND	118	70-135%	---	---	
Chlorobenzene	1380	---	32.6	ug/kg dry	50	1300	ND	106	79-120%	---	---	
Chloroethane	1880	---	653	ug/kg dry	50	1300	ND	**144**	**59-139%**	---	---	Q-54b
Chloroform	1490	---	65.3	ug/kg dry	50	1300	ND	114	78-123%	---	---	
Chloromethane	1140	---	326	ug/kg dry	50	1300	ND	87	50-136%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Matrix Spike (23I0382-MS1)			Prepared: 09/08/23 09:40		Analyzed: 09/13/23 20:38							
QC Source Sample: Ex6-East Wall-8' (A3I0916-04)												
2-Chlorotoluene	1290	---	65.3	ug/kg dry	50	1300	ND	99	75-122%	---	---	
4-Chlorotoluene	1340	---	65.3	ug/kg dry	50	1300	ND	103	72-124%	---	---	
Dibromochloromethane	1330	---	131	ug/kg dry	50	1300	ND	102	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1070	---	326	ug/kg dry	50	1300	ND	82	61-132%	---	---	
1,2-Dibromoethane (EDB)	1350	---	65.3	ug/kg dry	50	1300	ND	103	78-122%	---	---	
Dibromomethane	1450	---	65.3	ug/kg dry	50	1300	ND	111	78-125%	---	---	
1,2-Dichlorobenzene	1290	---	32.6	ug/kg dry	50	1300	ND	99	78-121%	---	---	
1,3-Dichlorobenzene	1300	---	32.6	ug/kg dry	50	1300	ND	100	77-121%	---	---	
1,4-Dichlorobenzene	1320	---	32.6	ug/kg dry	50	1300	ND	101	75-120%	---	---	
Dichlorodifluoromethane	1220	---	131	ug/kg dry	50	1300	ND	93	29-149%	---	---	
1,1-Dichloroethane	1520	---	32.6	ug/kg dry	50	1300	ND	117	76-125%	---	---	
1,2-Dichloroethane (EDC)	1570	---	32.6	ug/kg dry	50	1300	ND	121	73-128%	---	---	Q-54c
1,1-Dichloroethene	1640	---	32.6	ug/kg dry	50	1300	ND	126	70-131%	---	---	
cis-1,2-Dichloroethene	1480	---	32.6	ug/kg dry	50	1300	ND	113	77-123%	---	---	
trans-1,2-Dichloroethene	1520	---	32.6	ug/kg dry	50	1300	ND	117	74-125%	---	---	
1,2-Dichloropropane	1450	---	32.6	ug/kg dry	50	1300	ND	112	76-123%	---	---	
1,3-Dichloropropane	1400	---	65.3	ug/kg dry	50	1300	ND	107	77-121%	---	---	
2,2-Dichloropropane	1480	---	65.3	ug/kg dry	50	1300	ND	114	67-133%	---	---	Q-54c
1,1-Dichloropropene	1510	---	65.3	ug/kg dry	50	1300	ND	116	76-125%	---	---	
cis-1,3-Dichloropropene	1320	---	65.3	ug/kg dry	50	1300	ND	101	74-126%	---	---	
trans-1,3-Dichloropropene	1460	---	65.3	ug/kg dry	50	1300	ND	112	71-130%	---	---	
Ethylbenzene	1370	---	32.6	ug/kg dry	50	1300	ND	105	76-122%	---	---	
Hexachlorobutadiene	1230	---	131	ug/kg dry	50	1300	ND	94	61-135%	---	---	
2-Hexanone	2350	---	653	ug/kg dry	50	2610	ND	90	53-145%	---	---	
Isopropylbenzene	1290	---	65.3	ug/kg dry	50	1300	ND	99	68-134%	---	---	
4-Isopropyltoluene	1320	---	65.3	ug/kg dry	50	1300	ND	101	73-127%	---	---	
Methylene chloride	1500	---	653	ug/kg dry	50	1300	ND	115	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2420	---	653	ug/kg dry	50	2610	ND	93	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1310	---	65.3	ug/kg dry	50	1300	ND	100	73-125%	---	---	
Naphthalene	1080	---	131	ug/kg dry	50	1300	ND	83	62-129%	---	---	Q-54e
n-Propylbenzene	1380	---	32.6	ug/kg dry	50	1300	ND	106	73-125%	---	---	
Styrene	1270	---	65.3	ug/kg dry	50	1300	ND	97	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1380	---	32.6	ug/kg dry	50	1300	ND	106	78-125%	---	---	

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

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0382 - EPA 5035A							**Soil**					
Matrix Spike (23I0382-MS1)			Prepared: 09/08/23 09:40		Analyzed: 09/13/23 20:38							
QC Source Sample: Ex6-East Wall-8' (A3I0916-04)												
1,1,2,2-Tetrachloroethane	1310	---	65.3	ug/kg dry	50	1300	ND	101	70-124%	---	---	
Tetrachloroethene (PCE)	1410	---	32.6	ug/kg dry	50	1300	ND	108	73-128%	---	---	
Toluene	1400	---	65.3	ug/kg dry	50	1300	ND	108	77-121%	---	---	
1,2,3-Trichlorobenzene	1180	---	326	ug/kg dry	50	1300	ND	91	66-130%	---	---	
1,2,4-Trichlorobenzene	1090	---	326	ug/kg dry	50	1300	ND	84	67-129%	---	---	
1,1,1-Trichloroethane	1570	---	32.6	ug/kg dry	50	1300	ND	121	73-130%	---	---	
1,1,2-Trichloroethane	1430	---	32.6	ug/kg dry	50	1300	ND	110	78-121%	---	---	
Trichloroethene (TCE)	1440	---	32.6	ug/kg dry	50	1300	ND	110	77-123%	---	---	
Trichlorofluoromethane	1910	---	131	ug/kg dry	50	1300	ND	**146**	**62-140%**	---	---	Q-54f
1,2,3-Trichloropropane	1440	---	65.3	ug/kg dry	50	1300	ND	110	73-125%	---	---	
1,2,4-Trimethylbenzene	1300	---	65.3	ug/kg dry	50	1300	ND	100	75-123%	---	---	
1,3,5-Trimethylbenzene	1350	---	65.3	ug/kg dry	50	1300	ND	104	73-124%	---	---	
Vinyl chloride	1740	---	32.6	ug/kg dry	50	1300	ND	133	56-135%	---	---	Q-54
m,p-Xylene	2790	---	65.3	ug/kg dry	50	2610	ND	107	77-124%	---	---	
o-Xylene	1250	---	32.6	ug/kg dry	50	1300	ND	96	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*101 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*91 %*		*79-120 %*				*"*			

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: USPS - Prosper PDX	
601 SW 2nd Ave Suite 1400	Project Number: 185750980	Report ID:
Portland, OR 97204	Project Manager: Graeme Taylor	A3I0916 - 09 22 23 1726

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 23I0325 - EPA 3546							Soil					
Blank (23I0325-BLK1)			Prepared: 09/12/23 10:03 Analyzed: 09/12/23 18:44									
EPA 8270E SIM												
Acenaphthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Dibenzofuran	ND	---	2.67	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 87 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*90 %*	*54-127 %*			*"*					
LCS (23I0325-BS1)			Prepared: 09/12/23 10:03 Analyzed: 09/12/23 19:09									
EPA 8270E SIM												
Acenaphthene	530	---	2.67	ug/kg wet	1	533	---	99	40-123%	---	---	
Acenaphthylene	541	---	2.67	ug/kg wet	1	533	---	101	32-132%	---	---	
Anthracene	499	---	2.67	ug/kg wet	1	533	---	94	47-123%	---	---	
Benz(a)anthracene	485	---	2.67	ug/kg wet	1	533	---	91	49-126%	---	---	
Benzo(a)pyrene	548	---	2.67	ug/kg wet	1	533	---	103	45-129%	---	---	
Benzo(b)fluoranthene	502	---	2.67	ug/kg wet	1	533	---	94	45-132%	---	---	
Benzo(k)fluoranthene	516	---	2.67	ug/kg wet	1	533	---	97	47-132%	---	---	
Benzo(g,h,i)perylene	458	---	2.67	ug/kg wet	1	533	---	86	43-134%	---	---	
Chrysene	518	---	2.67	ug/kg wet	1	533	---	97	50-124%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0325 - EPA 3546							**Soil**					
LCS (23I0325-BS1)			Prepared: 09/12/23 10:03		Analyzed: 09/12/23 19:09							
Dibenz(a,h)anthracene	530	---	2.67	ug/kg wet	1	533	---	99	45-134%	---	---	
Fluoranthene	533	---	2.67	ug/kg wet	1	533	---	100	50-127%	---	---	
Fluorene	519	---	2.67	ug/kg wet	1	533	---	97	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	515	---	2.67	ug/kg wet	1	533	---	97	45-133%	---	---	
1-Methylnaphthalene	495	---	2.67	ug/kg wet	1	533	---	93	40-120%	---	---	
2-Methylnaphthalene	495	---	2.67	ug/kg wet	1	533	---	93	38-122%	---	---	
Naphthalene	478	---	2.67	ug/kg wet	1	533	---	90	35-123%	---	---	
Phenanthrene	496	---	2.67	ug/kg wet	1	533	---	93	50-121%	---	---	
Pyrene	531	---	2.67	ug/kg wet	1	533	---	100	47-127%	---	---	
Dibenzofuran	514	---	2.67	ug/kg wet	1	533	---	96	44-120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 88 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*87 %*		*54-127 %*				*"*			
Duplicate (23I0325-DUP1)			Prepared: 09/12/23 10:03		Analyzed: 09/12/23 20:00							
QC Source Sample: Non-SDG (A3I0846-01)												
Acenaphthene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Anthracene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	---	11.8	ug/kg dry	4	---	10.4	---	---	***	30%	
Benzo(a)pyrene	**18.1**	---	11.8	ug/kg dry	4	---	15.0	---	---	19	30%	
Benzo(b)fluoranthene	**18.8**	---	11.8	ug/kg dry	4	---	15.3	---	---	21	30%	M-05
Benzo(k)fluoranthene	ND	---	11.8	ug/kg dry	4	---	6.10	---	---	***	**30%**	Q-05
Benzo(g,h,i)perylene	**22.6**	---	11.8	ug/kg dry	4	---	18.8	---	---	18	30%	
Chrysene	**15.9**	---	11.8	ug/kg dry	4	---	13.3	---	---	18	30%	
Dibenz(a,h)anthracene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Fluoranthene	**19.2**	---	11.8	ug/kg dry	4	---	18.3	---	---	4	30%	
Fluorene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	**17.8**	---	11.8	ug/kg dry	4	---	16.1	---	---	10	30%	
1-Methylnaphthalene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Naphthalene	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	
Phenanthrene	ND	---	11.8	ug/kg dry	4	---	11.2	---	---	***	30%	
Pyrene	**26.3**	---	11.8	ug/kg dry	4	---	24.5	---	---	7	30%	
Dibenzofuran	ND	---	11.8	ug/kg dry	4	---	ND	---	---	---	30%	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0325 - EPA 3546							**Soil**					
Duplicate (23I0325-DUP1)			Prepared: 09/12/23 10:03		Analyzed: 09/12/23 20:00							
QC Source Sample: Non-SDG (A3I0846-01)												
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 84 %*		*Limits: 44-120 %*			*Dilution: 4x*				
p-Terphenyl-d14 (Surr)			*80 %*		*54-127 %*			*"*				
Matrix Spike (23I0325-MS1)			Prepared: 09/12/23 10:03		Analyzed: 09/12/23 20:26							
QC Source Sample: Non-SDG (A3I0846-01)												
EPA 8270E SIM												
Acenaphthene	536	---	11.9	ug/kg dry	4	596	ND	90	40-123%	---	---	
Acenaphthylene	536	---	11.9	ug/kg dry	4	596	ND	90	32-132%	---	---	
Anthracene	504	---	11.9	ug/kg dry	4	596	ND	85	47-123%	---	---	
Benz(a)anthracene	503	---	11.9	ug/kg dry	4	596	10.4	83	49-126%	---	---	
Benzo(a)pyrene	537	---	11.9	ug/kg dry	4	596	15.0	88	45-129%	---	---	
Benzo(b)fluoranthene	484	---	11.9	ug/kg dry	4	596	15.3	79	45-132%	---	---	
Benzo(k)fluoranthene	527	---	11.9	ug/kg dry	4	596	6.10	87	47-132%	---	---	
Benzo(g,h,i)perylene	456	---	11.9	ug/kg dry	4	596	18.8	73	43-134%	---	---	
Chrysene	532	---	11.9	ug/kg dry	4	596	13.3	87	50-124%	---	---	
Dibenz(a,h)anthracene	513	---	11.9	ug/kg dry	4	596	ND	86	45-134%	---	---	
Fluoranthene	546	---	11.9	ug/kg dry	4	596	18.3	89	50-127%	---	---	
Fluorene	518	---	11.9	ug/kg dry	4	596	ND	87	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	506	---	11.9	ug/kg dry	4	596	16.1	82	45-133%	---	---	
1-Methylnaphthalene	498	---	11.9	ug/kg dry	4	596	ND	83	40-120%	---	---	
2-Methylnaphthalene	510	---	11.9	ug/kg dry	4	596	ND	86	38-122%	---	---	
Naphthalene	587	---	11.9	ug/kg dry	4	596	ND	98	35-123%	---	---	
Phenanthrene	516	---	11.9	ug/kg dry	4	596	11.2	85	50-121%	---	---	
Pyrene	558	---	11.9	ug/kg dry	4	596	24.5	89	47-127%	---	---	
Dibenzofuran	516	---	11.9	ug/kg dry	4	596	ND	87	44-120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 82 %*		*Limits: 44-120 %*			*Dilution: 4x*				
p-Terphenyl-d14 (Surr)			*80 %*		*54-127 %*			*"*				

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Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23I0542 - EPA 3051A							**Soil**					
Blank (23I0542-BLK1)			Prepared: 09/18/23 12:38 Analyzed: 09/18/23 20:49									
EPA 6020B												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0800	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
LCS (23I0542-BS1)			Prepared: 09/18/23 12:38 Analyzed: 09/18/23 20:54									
EPA 6020B												
Arsenic	50.6	---	1.00	mg/kg wet	10	50.0	---	101	80-120%	---	---	
Barium	53.3	---	1.00	mg/kg wet	10	50.0	---	107	80-120%	---	---	
Cadmium	49.4	---	0.200	mg/kg wet	10	50.0	---	99	80-120%	---	---	
Chromium	52.9	---	1.00	mg/kg wet	10	50.0	---	106	80-120%	---	---	
Lead	51.1	---	0.200	mg/kg wet	10	50.0	---	102	80-120%	---	---	
Mercury	0.975	---	0.0800	mg/kg wet	10	1.00	---	98	80-120%	---	---	
Selenium	24.8	---	1.00	mg/kg wet	10	25.0	---	99	80-120%	---	---	
Silver	27.7	---	0.200	mg/kg wet	10	25.0	---	111	80-120%	---	---	
Duplicate (23I0542-DUP1)			Prepared: 09/18/23 12:38 Analyzed: 09/18/23 21:35									
QC Source Sample: Non-SDG (A3I0937-02)												
Arsenic	**5.99**	---	1.23	mg/kg dry	10	---	5.87	---	---	2	20%	
Barium	**113**	---	1.23	mg/kg dry	10	---	83.6	---	---	**30**	**20%**	Q-04
Cadmium	ND	---	0.247	mg/kg dry	10	---	ND	---	---	**---**	**20%**	
Chromium	**20.4**	---	1.23	mg/kg dry	10	---	14.1	---	---	**37**	**20%**	Q-04
Lead	**9.24**	---	0.247	mg/kg dry	10	---	7.52	---	---	**21**	**20%**	Q-04
Mercury	ND	---	0.0986	mg/kg dry	10	---	ND	---	---	---	20%	
Selenium	ND	---	1.23	mg/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	---	0.247	mg/kg dry	10	---	ND	---	---	---	20%	
Matrix Spike (23I0542-MS1)			Prepared: 09/18/23 12:38 Analyzed: 09/18/23 21:40									

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23I0542 - EPA 3051A							**Soil**					
Matrix Spike (23I0542-MS1)			Prepared: 09/18/23 12:38		Analyzed: 09/18/23 21:40							
QC Source Sample: Non-SDG (A3I0937-02)												
EPA 6020B												
Arsenic	59.9	---	1.29	mg/kg dry	10	64.3	5.87	84	75-125%	---	---	
Barium	171	---	1.29	mg/kg dry	10	64.3	83.6	**136**	**75-125%**	---	---	Q-04
Cadmium	54.6	---	0.257	mg/kg dry	10	64.3	ND	85	75-125%	---	---	
Chromium	73.2	---	1.29	mg/kg dry	10	64.3	14.1	92	75-125%	---	---	
Lead	62.9	---	0.257	mg/kg dry	10	64.3	7.52	86	75-125%	---	---	
Mercury	1.18	---	0.103	mg/kg dry	10	1.29	ND	92	75-125%	---	---	
Selenium	30.6	---	1.29	mg/kg dry	10	32.2	ND	95	75-125%	---	---	
Silver	33.3	---	0.257	mg/kg dry	10	32.2	ND	104	75-125%	---	---	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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 23I0284 - Total Solids (Dry Weight) - 2022								Soil				
Duplicate (23I0284-DUP1)			Prepared: 09/11/23 10:25		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0907-01)												
% Solids	**78.1**	---	1.00	%	1	---	78.3	---	---	0.2	10%	
Duplicate (23I0284-DUP2)			Prepared: 09/11/23 10:25		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0907-02)												
% Solids	**77.6**	---	1.00	%	1	---	78.6	---	---	1	10%	
Duplicate (23I0284-DUP3)			Prepared: 09/11/23 10:25		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0907-03)												
% Solids	**81.9**	---	1.00	%	1	---	81.9	---	---	0.04	10%	
Duplicate (23I0284-DUP4)			Prepared: 09/11/23 10:25		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0907-04)												
% Solids	**67.5**	---	1.00	%	1	---	67.4	---	---	0.2	10%	
Duplicate (23I0284-DUP5)			Prepared: 09/11/23 10:25		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0907-05)												
% Solids	**77.5**	---	1.00	%	1	---	76.6	---	---	1	10%	
Duplicate (23I0284-DUP6)			Prepared: 09/11/23 18:49		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0949-01)												
% Solids	**69.4**	---	1.00	%	1	---	69.9	---	---	0.6	10%	
Duplicate (23I0284-DUP7)			Prepared: 09/11/23 18:49		Analyzed: 09/12/23 06:49							
QC Source Sample: Non-SDG (A3I0962-02)												
% Solids	**92.5**	---	1.00	%	1	---	93.6	---	---	1	10%	

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

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ORELAP ID: OR100062

ANALYTICAL REPORT

Stantec Portland	Project: **USPS - Prosper PDX**	
601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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: 23I0606							
A3I0916-01	Soil	NWTPH-Dx	09/08/23 08:50	09/20/23 04:41	10.15g/5mL	10g/5mL	0.99
A3I0916-02	Soil	NWTPH-Dx	09/08/23 09:15	09/20/23 04:41	10.62g/5mL	10g/5mL	0.94
A3I0916-03	Soil	NWTPH-Dx	09/08/23 09:00	09/20/23 04:41	10.3g/5mL	10g/5mL	0.97
A3I0916-04	Soil	NWTPH-Dx	09/08/23 09:40	09/20/23 04:41	10.64g/5mL	10g/5mL	0.94

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: 23I0382							
A3I0916-01	Soil	NWTPH-Gx (MS)	09/08/23 08:50	09/08/23 08:50	6.43g/5mL	5g/5mL	0.78
A3I0916-02	Soil	NWTPH-Gx (MS)	09/08/23 09:15	09/08/23 09:15	6.41g/5mL	5g/5mL	0.78
A3I0916-03	Soil	NWTPH-Gx (MS)	09/08/23 09:00	09/08/23 09:00	7.73g/5mL	5g/5mL	0.65
A3I0916-04	Soil	NWTPH-Gx (MS)	09/08/23 09:40	09/08/23 09:40	6.31g/5mL	5g/5mL	0.79

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: 23I0382							
A3I0916-01	Soil	5035A/8260D	09/08/23 08:50	09/08/23 08:50	6.43g/5mL	5g/5mL	0.78
A3I0916-02	Soil	5035A/8260D	09/08/23 09:15	09/08/23 09:15	6.41g/5mL	5g/5mL	0.78
A3I0916-03	Soil	5035A/8260D	09/08/23 09:00	09/08/23 09:00	7.73g/5mL	5g/5mL	0.65
A3I0916-04	Soil	5035A/8260D	09/08/23 09:40	09/08/23 09:40	6.31g/5mL	5g/5mL	0.79

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: 23I0325							
A3I0916-01	Soil	EPA 8270E SIM	09/08/23 08:50	09/12/23 10:04	10.41g/5mL	10g/5mL	0.96
A3I0916-02	Soil	EPA 8270E SIM	09/08/23 09:15	09/12/23 10:04	10.62g/5mL	10g/5mL	0.94
A3I0916-03	Soil	EPA 8270E SIM	09/08/23 09:00	09/12/23 10:04	10.04g/5mL	10g/5mL	1.00
A3I0916-04	Soil	EPA 8270E SIM	09/08/23 09:40	09/12/23 10:04	10.81g/5mL	10g/5mL	0.93

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ANALYTICAL REPORT

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601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23I0542							
A3I0916-01	Soil	EPA 6020B	09/08/23 08:50	09/18/23 12:38	0.492g/50mL	0.5g/50mL	1.02
A3I0916-02	Soil	EPA 6020B	09/08/23 09:15	09/18/23 12:38	0.538g/50mL	0.5g/50mL	0.93
A3I0916-03	Soil	EPA 6020B	09/08/23 09:00	09/18/23 12:38	0.505g/50mL	0.5g/50mL	0.99
A3I0916-04	Soil	EPA 6020B	09/08/23 09:40	09/18/23 12:38	0.503g/50mL	0.5g/50mL	0.99

Percent Dry Weight

Prep: Total Solids (Dry Weight) - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23I0284							
A3I0916-01	Soil	EPA 8000D	09/08/23 08:50	09/11/23 10:25			NA
A3I0916-02	Soil	EPA 8000D	09/08/23 09:15	09/11/23 10:25			NA
A3I0916-03	Soil	EPA 8000D	09/08/23 09:00	09/11/23 10:25			NA
A3I0916-04	Soil	EPA 8000D	09/08/23 09:40	09/11/23 10:25			NA

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QUALIFIER DEFINITIONS

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

Apex Laboratories

F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-54	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-54a	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-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +35%. 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 +68%. 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 -2%. 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 -38%. 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.

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Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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'.

Results for Volatiles analyses on soils and sediments that are reported on a “dry weight” basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an “As Received” basis do not have the WMS correction applied, as dry weight was not performed.

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).

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REPORTING NOTES AND CONVENTIONS (Cont.):

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.

-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, if results are not reported to the MDL.

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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Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

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.

Apex Laboratories

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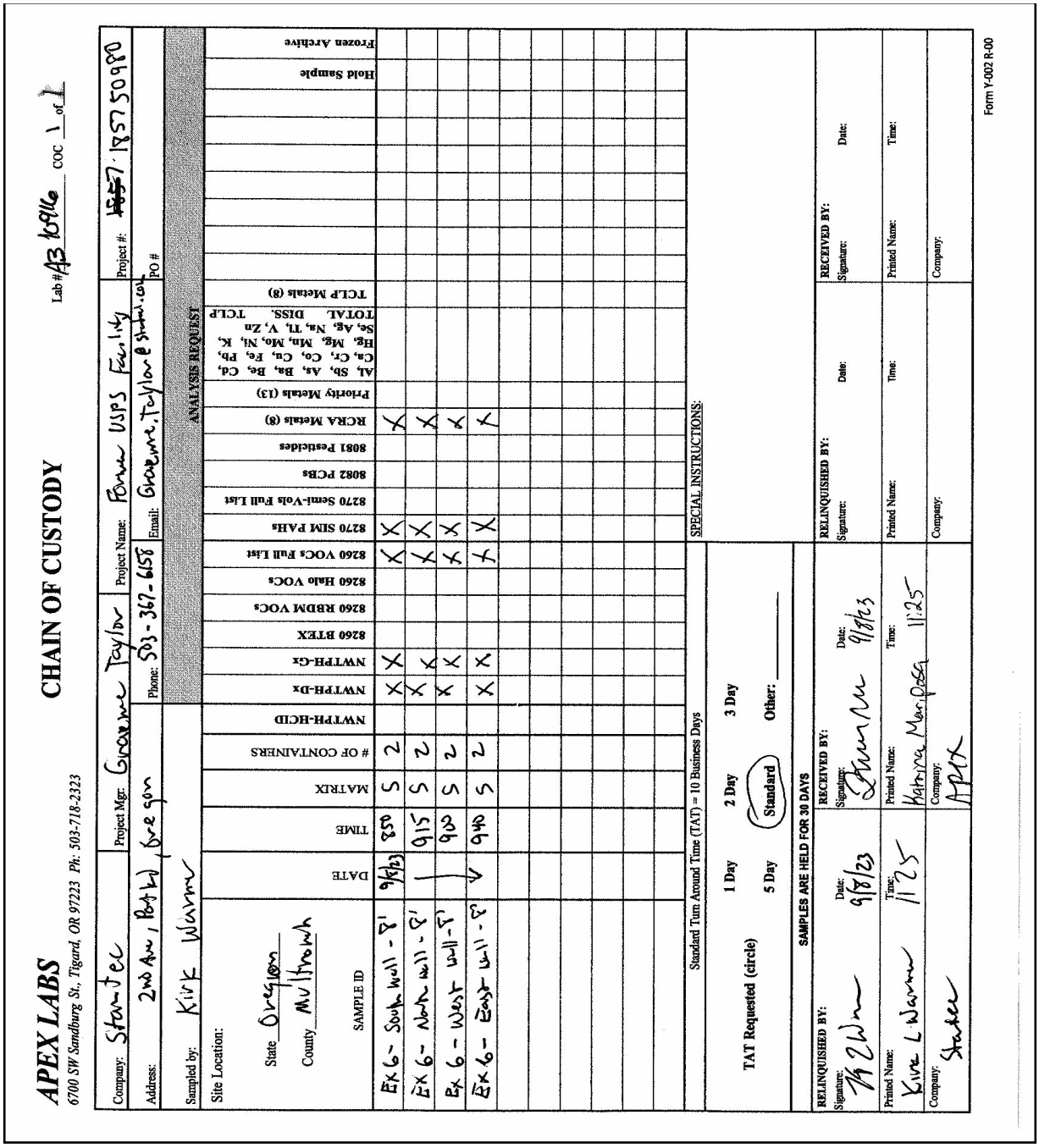

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A3I0916 COC 1 of 1

Company: Stantec | Project Mgr: Graeme Taylor | Project Name: Prosper USPS Facility | Project #: 185750980
Address: 2nd Ave, Portland, Oregon | Phone: 503-367-6158 | Email: Graeme.Taylor@stantec.com | PO #
Sampled by: Kirk Warren

ANALYSIS REQUEST

SAMPLE 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 Pesticides	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)	Hold Sample	Frozen Archive
Ex 6 - South well - 5'	9/8/23	830	S	2		X	X				X	X				X					
Ex 6 - North well - 5'		915	S	2		X	X				X	X				X					
Ex 6 - West well - 5'		900	S	2		X	X				X	X				X					
Ex 6 - East well - 5'	V	940	S	2		X	X				X	X				X					

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 5 Day | Standard | Other: _____

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:	RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature:		Signature:		Signature:		Signature:	
Printed Name: Kirk Warren	Time: 1125	Printed Name: Katrina Marrero	Time: 1125	Printed Name:	Time:	Printed Name:	Time:
Company: Stantec		Company: Apex		Company:		Company:	

Form Y-002 R-00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

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601 SW 2nd Ave Suite 1400	Project Number: **185750980**	**Report ID:**
Portland, OR 97204	Project Manager: **Graeme Taylor**	**A3I0916 - 09 22 23 1726**

APEX LABS COOLER RECEIPT FORM

Client: Stantec Element WO#: A3I0916

Project/Project #: Former USPS Facility / 185750980

Delivery Info:

Date/time received: 9/8/23 @ 11:25 By: RAM

Delivered by: Apex__ Client Y ESS__ FedEx__ UPS__ Radio__ Morgan__ SDS__ Evergreen__ Other__

Cooler Inspection Date/time inspected: 9/8/23 @ 11:25 By: RAM

Chain of Custody included? Yes X No

Signed/dated by client? Yes X No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.0						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	In						

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

Green dots applied to out of temperature samples? Yes No

Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 9/8/23 @ 17:47 By: RAM

All samples intact? Yes X No__ Comments:

RAM 9/8

Bottle labels/COCs agree? Yes X No X Comments: 8oz Jar for EX6-East Wall-8' reads EX6-East Wall

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: RAM Witness: AJM Cooler Inspected by: RAM

Form Y-003 R-00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.