FARALLON CONSULTING

October 9, 2024

Zak Wall
Washington State Department of Ecology
Toxics Cleanup Program
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, Washington 98133

RE: AUGUST 2024 GROUNDWATER MONITORING PROGRESS REPORT
UNION STATION PROPERTY
FACILITY SITE ID NO.: 2060
411 SOUTH JACKSON STREET
SEATTLE, WASHINGTON
FARALLON PN: 2644-001

Dear Zak Wall:

Farallon Consulting, L.L.C. (Farallon) has prepared this progress report to present the results of the August 2024 quarterly groundwater monitoring event conducted at Union Station Property at 411 South Jackson Street in Seattle, Washington (herein referred to as the Site) (Figure 1). The Site is identified by Ecology as Union Station and is assigned Washington State Department of Ecology (Ecology) Facility Site ID No. 2060.

The summary of the Site background and results from the quarterly groundwater monitoring event are provided below.

SITE DESCRIPTION AND BACKGROUND

The Site consists of King County Parcel Nos. 8809700000, 5247801292, and 7669800004, and is developed with a commercial building, including office and retail use. The Site spans six city blocks and includes portions of the grade level, which is beneath elevated viaduct portions of South Jackson Street, South Airport Way, and 4th Avenue South.

In accordance with Prospective Purchaser Consent Decree (PPCD) No. 97-2-18963-5 SEA and the Cleanup Action Plan (CAP), periodic groundwater monitoring is required at down-gradient wells MW-101R, MW-102R, MW-104, MW-105, MW-107R, and MW-108R, and up-gradient wells B-4R and B-6R (Figure 1). Based on the 2019 Groundwater Monitoring

Compliance Report,[1] constituents of concern (COCs) were detected at concentrations exceeding the cleanup levels established for the Site, triggering the requirement in the CAP for a subsequent groundwater monitoring event. In October 2021, Farallon conducted a subsequent groundwater monitoring event for monitoring wells B-4R, B-6R, MW-101R, MW-102R, MW-105, and MW-107R. COCs were detected at concentrations exceeding the cleanup levels established for the Site in groundwater samples collected from four of the six monitoring wells sampled.

Table 3 of the CAP states, "if the second sample is less than the cleanup levels, return to annual groundwater monitoring" or "if the second sample exceeds cleanup levels commence quarterly monitoring for 1 year." In accordance with the CAP and in response to the Washington State Department of Ecology (Ecology) comment letter dated January 24, 2024 (January 2024 Ecology Letter),[2] quarterly monitoring is being conducted for 1 year beginning in April 2024.

This letter report includes a description of the field activities conducted during the second quarterly groundwater monitoring event and a summary of the analytical results.

GROUNDWATER MONITORING ACTIVITIES

A groundwater monitoring event was conducted on August 27, 2024. The groundwater monitoring event included measuring depth to groundwater and collecting groundwater samples from monitoring wells MW-101R, MW-102R, MW-104, MW-105, MW-107R, MW-108R, B-4R, and B-6R. In addition, depth to groundwater was measured in accessible down-gradient monitoring wells MW-16D (Ecology well tag number BCS 199) and MW-21 (Ecology well tag number BKP 479), which are not part of the monitoring well network identified by the PPCD. Farallon staff were unable to locate MW-22.

Depth to water measurements, sample collection, and sample analysis were conducted per the Ecology-approved Groundwater Monitoring Work Plan.[3] Groundwater sampling was

[1] Landau Associates, Inc. 2020. *2019 Groundwater Monitoring Compliance Report, Union Station Property, Seattle, Washington.* Prepared for Union Station. January 6 (2019 Groundwater Monitoring Compliance Report).

[2] Ecology. 2024. Letter Regarding Ecology Review of *Response to Ecology Comments on Periodic Review*, dated March 28, 2022; Union Station Facility ID#: 2060, 411 South Jackson Street, Seattle, Washington. From Zak Wall. To Kevin Daniels, Union Station. January 24 (January 2024 Ecology Letter).

[3] Farallon Consulting, L.L.C. 2024. Letter Regarding Groundwater Monitoring Work Plan, Union Station Property, Facility Site ID No.: 2060, 411 South Jackson Street, Seattle, Washington. From Courtney van Stolk and Suzy Stumpf. To Zak Wall, Washington State Department of Ecology. April 9.

conducted at monitoring wells MW-101R, MW-102R, MW-104, MW-105, MW-107R, MW-108R, B-4R, and B-6R.

The monitoring wells were purged at a low-flow rate until the water quality parameters stabilized in accordance with U.S. Environmental Protection Agency (EPA) low-flow (minimal drawdown) groundwater sampling procedures. The water quality parameters monitored included temperature, pH, dissolved oxygen, oxidation-reduction potential, turbidity, and specific conductance. Samples collected for analysis of dissolved arsenic by EPA Method 6020B were field filtered using a 0.45-micron filter and placed into a laboratory-prepared sample container preserved with nitric acid and labeled as field filtered for analysis of dissolved arsenic. Samples collected for analysis of total arsenic by EPA Method 6020B were placed directly into a laboratory-prepared sample container preserved with nitric acid and labeled for analysis of total arsenic. Additional sample volume was collected in an unpreserved laboratory-prepared sample container for laboratory filtration prior to analysis for dissolved arsenic, as needed.

The groundwater sample containers were placed on ice in a cooler and transported by a courier to Apex Laboratories, Inc. of Tigard, Oregon under standard chain-of-custody protocols for analysis of the following COCs:

- Diesel-range organics (DRO) and oil-range organics (ORO) by NWTPH-Dx;
- Gasoline-range organics (GRO) by NWTPH-Gx;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270E and PAH homologs by modified EPA Method 8270E;
- Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270E/SIM;
- Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8260D with speciation of xylenes;
- Total and dissolved arsenic by EPA Method 6020B/200.8;
- Total dissolved solids by Standard Method 2540C;
- Total suspended solids by Standard Method 2540D;
- Methane by RSK 175 method;
- Alkalinity by Standard Method 2320B; and
- Nitrate and sulfate by EPA Method 300 Series.

Groundwater samples collected from MW-101R and MW-107R were also analyzed for DRO and ORO by NWTPH-Dx with silica gel cleanup and for PAH homologs by EPA Method 8270E Modified. Dissolved arsenic was analyzed from field-filtered sample containers.

Purge water generated from the groundwater monitoring event was stored in a 55-gallon steel drum on the Site pending characterization and disposal.

RESULTS

Synoptic depth-to-groundwater measurements from the monitoring wells at the Site and corresponding calculated groundwater elevations are provided in Table 1 and on Figure 2. The interpreted groundwater flow direction of the shallow groundwater-bearing zone within the fill layer is to the west to northwest, consistent with regional groundwater flow west toward Elliot Bay.

Laboratory analytical results for analysis of Site COCs are presented in Tables 2 through 5 and on Figure 3, and laboratory reports and gas chromatograms are provided in Attachment A. Overall, the concentrations of COCs have remained similar in magnitude over two decades as demonstrated with the last ten groundwater monitoring events conducted between 2001 and 2024. Relevant results include the following:

- Petroleum hydrocarbons were detected at concentrations exceeding the groundwater screening level protective of marine surface water aquatic receptors in the groundwater sample collected from monitoring well MW-101R (Table 2). The CAP and Consent Decree did not establish Site-Specific cleanup levels for petroleum hydrocarbons.
- Interpretation of the petroleum hydrocarbon analytical data and gas chromatograms by a Senior Chemist at Apex Laboratories, Inc., indicates that detected concentrations of GRO, DRO and ORO are due to the presence of one or more non-petroleum based materials. The material impacting the groundwater is characteristic of a pyrogenic based material such as coal tar, MGP waste, or similar materials.
- Groundwater samples collected from monitoring wells MW-101R and MW-107R were evaluated for the presence of PAH homologs, associated with coal tar, and isooctane, a common blending component in gasoline. The groundwater samples collected from monitoring wells MW-101R and MW-107R contained the highest detected concentrations of DRO and GRO, respectively.

- Groundwater samples collected from monitoring wells MW-101R and MW-107R were evaluated for the presence of isooctane, a common blending component in gasoline. Isooctane was not present in either sample, which indicates that the GRO detections in these samples are not attributable to an automotive gasoline source.

- A modified 8270E analysis was completed to evaluate for the presence of PAH homologs. The purpose of this evaluation was to determine what fraction of PAHs and PAH homologs elute in the DRO range. DRO was detected at a concentration of 1,457.4 micrograms per liter (µg/L) in the groundwater sample collected from monitoring well MW-101R of which 48.6 percent is attributable to PAHs and PAH homologs detected within the NWTPH-Dx analysis (Table 5).

- Benzene was detected at a concentration exceeding the Site-specific groundwater cleanup level in the groundwater samples collected from monitoring wells MW-101R and MW-105. The detected concentrations also exceeded screening levels protective of indoor air and marine surface water aquatic receptors (Table 2).
- Ethylbenzene was detected at a concentration exceeding the groundwater screening level protective of marine surface water aquatic receptors in the groundwater sample collected from monitoring well MW-101R (Table 2).
- Acenaphthene, a noncarcinogenic PAH, was detected at a concentration exceeding the Site-specific groundwater cleanup level in the groundwater sample collected from monitoring well MW-101R (Table 3).
- Dissolved arsenic was detected at concentrations exceeding the Site-specific groundwater cleanup level in groundwater samples collected from monitoring wells B-4R, B-6R, MW-101R, MW-105, and MW-107R, but less than the Puget Sound background concentration for dissolved arsenic in groundwater (background concentration) (Table 4). The laboratory-filtered groundwater sample from monitoring well B-6R was analyzed for dissolved arsenic and the detected concentration was less than the background concentration (Table 4).
- Total arsenic was detected at concentrations exceeding the Site-specific groundwater cleanup level in groundwater samples collected from monitoring wells B-4R, B-6R, MW-101R, MW-105, and MW-107R. The detected concentrations from MW-105 and MW-107R were less than the background concentration (Table 4).

Water quality parameters measured in the field are presented in Table 6. Laboratory analyses performed to evaluate conditions for Monitored Natural Attenuation are presented in Table 7.

SCHEDULE

The next groundwater monitoring event at the Site is scheduled for November 2024, per the Groundwater Monitoring Work Plan.

CLOSING

Please contact either of the undersigned at (425) 295-0800 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.

James Welles, L.H.G.
Senior Hydrogeologist

Suzy Stumpf, P.E.
Principal Engineer

Attachments: Figure 1, *Site Plan*
Figure 2, *Groundwater Elevation Contour Map – August 27, 2024*
Figure 3, *Groundwater Analytical Results*
Table 1, *Summary of Groundwater Elevation Data*
Table 2, *Summary of Groundwater Analytical Results for TPH and BTEX*
Table 3, *Summary of Groundwater Analytical Results for PAHs*
Table 4, *Summary of Groundwater Analytical Results for Arsenic*
Table 5, *Summary of Groundwater Analytical Results for PAHs and PAH Homologs*
Table 6, *Summary of Groundwater Field Parameters*
Table 7, *Summary of Groundwater Monitored Natural Attenuation Parameters*
Attachment A, Laboratory Analytical Results and Gas Chromatograms

cc: Coleen Spratt, Union Station Associates, LLC
Kevin Daniels, Union Station Associates, LLC
Bradley Marten, Marten Law
Emma Lautanen, Marten Law

JW/CvS/SES:mbg

LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- Accuracy of Information. Farallon reviewed certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy. Should the information upon which Farallon relied prove to be inaccurate, Farallon may revise its conclusions, opinions, and/or recommendations.
- Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

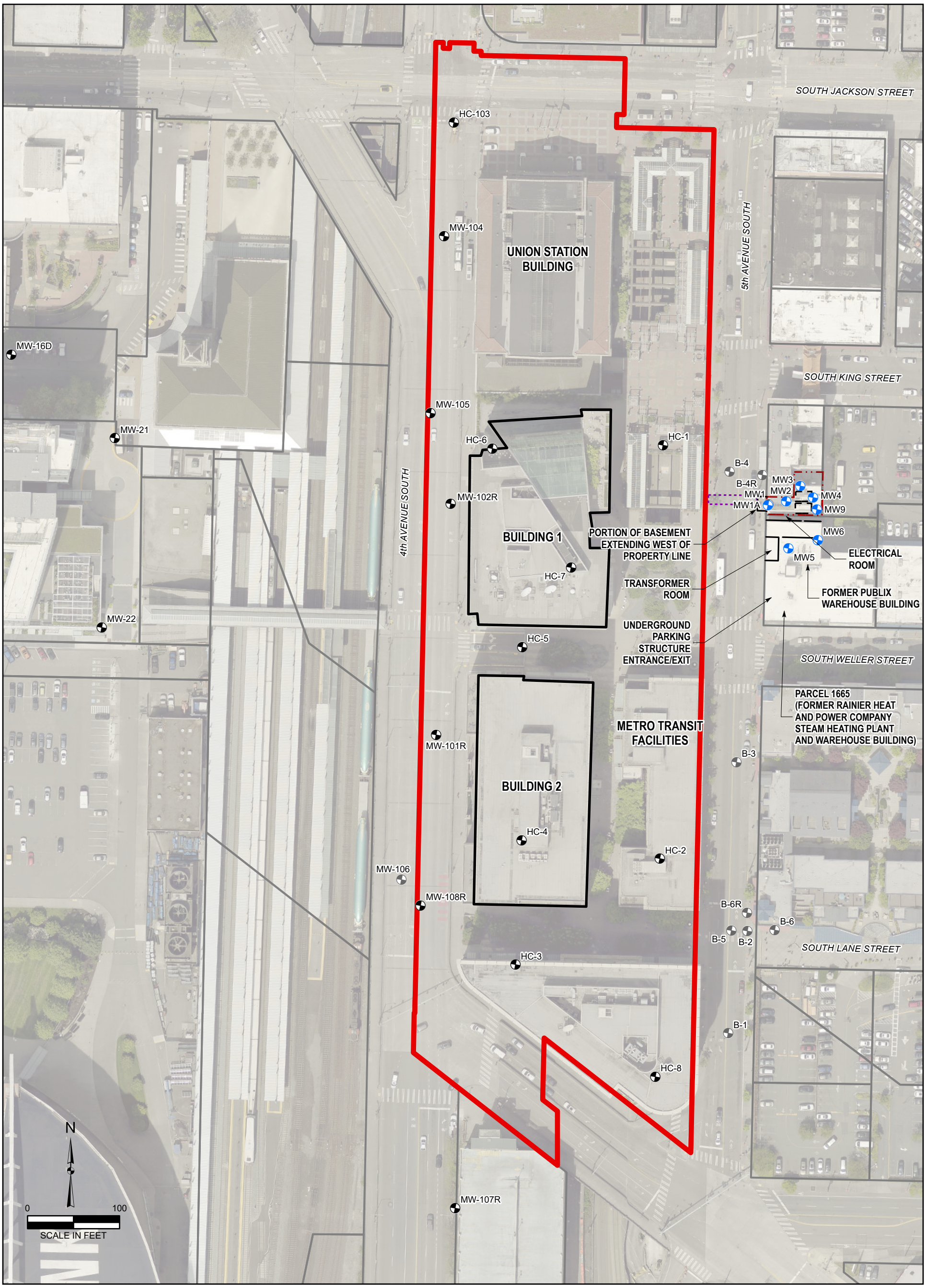
Farallon does not guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions are as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Union Station Associates, LLC. No other warranties, representations, or certifications are made.

FIGURES

AUGUST 2024 GROUNDWATER
MONITORING PROGRESS REPORT
Union Station Property
411 South Jackson Street
Seattle, Washington

Farallon PN: 2644-001



LEGEND

- ABANDONED MONITORING WELL
- MONITORING WELL
- MONITORING WELL (RGI)
- BUILDING FEATURE
- UNDERGROUND TUNNEL
- BUILDING OUTLINE
- AREA OF INVESTIGATION (SUB-BASEMENT)
- CLOSED IN PLACE UST
- UNION STATION PROPERTY KING COUNTY PARCEL BOUNDARY/ EXTENT OF BELOW GRADE FEATURES
- KING COUNTY PARCEL BOUNDARY

RGI = RILEY GROUP INCORPORATED
UST = UNDERGROUND STORAGE TANK

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 1

SITE PLAN
UNION STATION PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 2644-001

Drawn By: jjones | Checked By: SS | Date: 6/5/2024 | Disc Reference:

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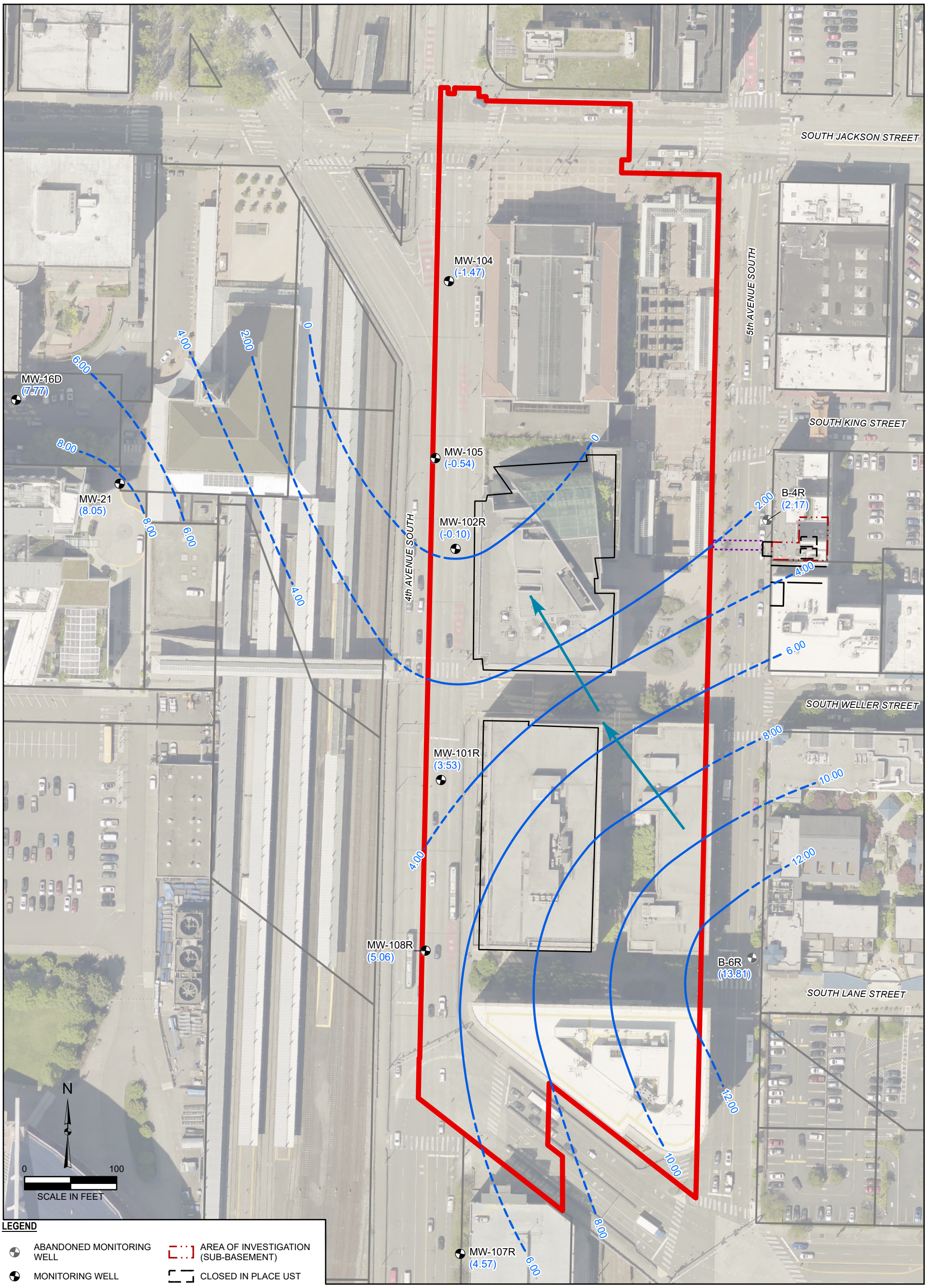

LEGEND

- ABANDONED MONITORING WELL
- MONITORING WELL
- MONITORING WELL (RGI)
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- CLOSED IN PLACE UST
- UNION STATION PROPERTY KING COUNTY PARCEL BOUNDARY/ EXTENT OF BELOW GRADE FEATURES
- KING COUNTY PARCEL BOUNDARY
- (13.81) GROUNDWATER ELEVATION IN FEET RELATIVE TO SEATTLE DATUM, AUGUST 27, 2024
- 12.00 GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

RGI = RILEY GROUP INCORPORATED
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FIGURE 2

GROUNDWATER CONTOUR MAP - AUGUST 27, 2024
UNION STATION PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 2644-001

Drawn By: lmurock | Checked By: JW | Date: 10/7/2024 | Disc Reference:

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NOTES:
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:
DATE | DRO | GRO | BENZENE | DISSOLVED ARSENIC
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.
APRIL 2024 DRO RESULTS ARE FROM SAMPLES TREATED WITH SILICA GEL CLEANUP PRIOR TO ANALYSIS.
AUGUST 2024 DRO RESULTS FOR MW-101R AND MW-107R ARE FROM SAMPLES TREATED WITH SILICA GEL CLEANUP PRIOR TO ANALYSIS.
REMAINDER OF AUGUST 2024 DRO RESULTS ARE FROM SAMPLES NOT TREATED WITH SILICA GEL CLEANUP PRIOR TO ANALYSIS.
BOLD = DENOTES CONCENTRATIONS EXCEEDING SITE-SPECIFIC CLEANUP LEVELS
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
--- = DENOTES SAMPLE NOT ANALYZED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
RGI = RILEY GROUP INCORPORATED
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SOUTH JACKSON STREET
5th AVENUE SOUTH
SOUTH KING STREET
4th AVENUE SOUTH
SOUTH WELLER STREET
SOUTH LANE STREET

HC-103

MW-104
06/25/2003|460|<250|1.5|1
06/09/2004|260|<250|0.7|2
08/24/2009|<250|340|1.0|**7.0**
06/18/2014|150|320|1.5|1.5
08/21/2019|<100|270|1.05|0.842
04/29/2024|95.1|<100|<0.200|<1.00
08/27/2024|145|<100|<0.200|<1.00

MW-105
06/25/2003|1,400|1,500|**310**|**12**
06/09/2004|760|1,100|**340**|**17**
08/25/2009|<250|3,000|**410**|1.4
06/18/2014|180|1,600|**300**|**15**
08/21/2019|296|2,630|**337**|**8.19**
10/07/2021|---|1,500|**147**|**12.6**
04/29/2024|121|502|**109**|3.85
08/27/2024|482|897|**159**|**4.31**

MW-16D
MW-21
MW-22

HC-6
HC-1
B-4
06/25/2003|15,000|3,300|**130**|**7**
06/09/2004|5,100|1,800|**130**|4

MW-102R
06/25/2003|400|<250|<1.0|<2
06/09/2004|<250|<250|<0.2|**6**
08/24/2009|<250|<250|<1.0|**6.8**
06/18/2014|<100|<250|<1.0|**5**
08/21/2019|<100|<100|<0.20|**6.52**
10/07/2021|---|---|---|3.02
04/29/2024|<80.0|<100|<0.200|2.04
08/27/2024|211|<100|<0.200|2.21

HC-7
HC-5

B-4R
08/25/2009|<250|280|<1.0|**13.4**
06/19/2014|<100|<250|<1.0|**13**
08/20/2019|1,200|204|<0.20|**13.7**
10/07/2021|---|---|---|1.52
04/29/2024|<80.0|<100|<0.200|3.68
08/27/2024|276|105|<0.200|**5.72**

MW3
MW4
MW9
MW1A
MW1
MW2
MW5
MW6

MW-101R
06/25/2003|3,800|4,800|**89**|**11**
06/09/2004|2,700|4,100|**90**|**12**
08/24/2009|1,600|6,000|36|**9.1**
06/18/2014|1,500|7,400|46|**11**
08/21/2019|2,440|9,230|40.1|**11.0**
10/07/2021|2,710|7,040|30.4|**8.37**
04/29/2024|771|3,830|43.2|**4.45**
08/27/2024|2,250|4,660|**78.7**|**7.96**

HC-4
HC-2
MW-106

MW-108R
06/25/2003|<250|<250|<1.0|<2
06/09/2004|<250|<250|<1.0|<5
08/24/2009|<250|<250|<1.0|<2
06/19/2014|<100|<250|<1.0|**7**
08/21/2019|<100|289|<0.20|<1.00
04/29/2024|<76.9|<100|<0.200|<1.00
08/27/2024|131|<100|<0.200|<1.00

B-3
B-6R
06/25/2003|<250|<250|<1.0|**24**
06/09/2004|<250|<250|<0.2|**30**
08/25/2009|<250|<250|<1.0|**31**
06/19/2014|<100|<250|<1.0|**26**
08/20/2019|<100|<100|<0.20|**30.4**
10/07/2021|---|---|---|**31.8**
04/29/2024|<83.3|<100|<0.200|**43.8**
08/27/2024|83.8|<100|<0.200|**4.40**

B-5
B-6
B-2
HC-3
B-1
HC-8

MW-107R
06/25/2003|1,400|2,500|<5.0|3
06/09/2004|680|880|<5.0|**8**
08/25/2009|290|1,300|<1.0|**4.4**
06/19/2014|290|4,200|1.4|4
08/20/2019|136|135|<0.20|**4.95**
10/07/2021|---|---|---|**5.96**
04/29/2024|683|608|1.17|**5.90**
08/27/2024|<78.4|1,260|1.39|**5.75**

N
0
100
SCALE IN FEET

LEGEND

- ABANDONED MONITORING WELL
- MONITORING WELL
- MONITORING WELL (RGI)
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FIGURE 3

GROUNDWATER ANALYTICAL RESULTS
UNION STATION PROPERTY
SEATTLE, WASHINGTON

FARALLON PN: 2644-001

Drawn By: lmurock | Checked By: JW | Date: 10/7/2024 | Disc Reference:

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TABLES

AUGUST 2024 GROUNDWATER
MONITORING PROGRESS REPORT
Union Station Property
411 South Jackson Street
Seattle, Washington

Farallon PN: 2644-001

Table 1
Summary of Groundwater Elevation Data
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Well Location	Sampled By	Total Well Depth (feet bgs)[1]	Screened Interval Depth (feet bgs)[1]	Screened Interval Elevation (feet Seattle Datum)[1]	Top of Casing Elevation (feet Seattle Datum)[2]	Monitoring Date	Depth to Water (feet)[3]	Water Level Elevation (feet Seattle Datum)[2]
B-4R[4]	Farallon	40.61	31.0 to 41.0	5.74 to -4.26	36.35	4/29/2024	33.35	3.00
	Farallon					8/28/2024	34.18	2.17
B-6R	Farallon	43.98	23.98 to 43.98	10.4 to -9.6	34.38	4/29/2024	20.20	14.18
	Farallon					8/28/2024	20.57	13.81
MW-101R	Farallon	16.26	6.97 to 16.97	2.8 to -7.2	9.06	4/29/2024	5.28	3.78
	Farallon					8/28/2024	5.53	3.53
MW-102R	Farallon	22.3	13.67 to 23.67	-3.7 to -13.7	8.60	4/29/2024	8.93	-0.33
	Farallon					8/28/2024	8.70	-0.10
MW-104	Farallon	19.69	10.75 to 20.75	-0.1 to -10.1	9.59	4/29/2024	11.19	-1.60
	Farallon					8/28/2024	11.06	-1.47
MW-105	Farallon	22.92	14.57 to 24.07	-4.5 to -14.0	8.92	4/29/2024	9.33	-0.41
	Farallon					8/28/2024	9.46	-0.54
MW-107R	Farallon	19.43	14.49 to 19.99	-1.5 to -7.0	12.43	4/29/2024	7.35	5.08
	Farallon					8/28/2024	7.86	4.57
MW-108R	Farallon	22.18	12.96 to 22.96	-3.4 to -13.4	8.78	4/29/2024	3.82	4.96
	Farallon					8/28/2024	3.72	5.06
MW-16D	Farallon	23	13.00 to 23.00	4.6 to -5.4	17.60	4/29/2024	9.86	7.74
	Farallon					8/28/2024	9.83	7.77
MW-21	Farallon	14.9	5.00 to 15.00	12.17 to 2.17	17.17	4/29/2024	9.17	8.00
	Farallon					8/28/2024	9.12	8.05

Notes:

--- denotes information unknown

[1] In feet below ground surface.

[2] In feet referenced to City of Seattle Datum, unless otherwise noted.

[3] In feet below top of well casing.

[4] Elevations in feet referenced to NAVD88.

bgs = below ground surface

Farallon = Farallon Consulting, L.L.C.

Landau = Landau Associates, Inc.

NAVD88 = North American Vertical Datum of 1988

Table 2
Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
B-4	Landau	6/16/1999	AK50J	2,300	< 500	---	---	4,500	**260** J	3.8	**310** J	8.2	11	---
	Landau	12/16/1999	BD02I	2,900	< 500	---	---	3,100 J	**140**	< 10	200	160	< 10	---
	Landau	3/22/2000	BK98J	3,600	< 500	---	---	6,200	**150**	< 10	220	< 10	< 10	---
	Landau	6/14/2000	BT43J	7,700	1,300	---	---	9,000	**94**	< 10	160	130	< 10	---
	Landau	9/27/2000	CF72G	4,700	1,300	---	---	4,800	**130**	< 10	200 J	< 10	< 10	---
	Landau	12/20/2000	CP44A	5,900	1,100	---	---	6,000	**140**	< 5.0	220	< 5.0	6.7	---
	Landau	3/14/2001	CV96H	4,200	< 500	---	---	6,000	**120**	< 5.0	200	5.3	6	---
	Landau	6/22/2001	DH51I	6,400 J	1,200	---	---	5,200	**130**	< 5.0	220	< 5.0	5.4	---
	Landau	9/26/2001	DQ61G	8,000 J	2,900 J	---	---	6,500	**140**	< 5.0	230	< 5.0	6	---
	Landau	12/19/2001	DY69A	2,600	570	---	---	6,000 J	**130**	< 5.0	190	< 5.0	< 5.0	---
	Landau	3/20/2002	EE79H	6,100	< 2,500	---	---	5,700	**150**	< 5.0	230	< 5.0	5.6	---
	Landau	6/19/2002	EM41H	3,800	620	---	---	5,400	**130**	< 5.0	190	< 5.0	< 5.0	---
	Landau	6/25/2003	FP47G/P	15,000	6,800	---	---	3,300	**130**	< 5.0	160	< 5.0	< 5.0	---
	Landau	6/9/2004	GS18I	5,100	2,000	---	---	1,800	**130**	< 5.0	110	< 5.0	< 5.0	---
B-4R	Landau	8/25/2009	PL85B	< 250	< 500	---	---	280	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	06/19/2014	YO99D	< 100	< 200	---	---	< 250 J	< 1.0 J	< 1.0 J	< 1.0 J	< 2.0 J	< 1.0 J	---
	Landau	8/20/2019	19H0298	1,200 J	780 J	---	---	204	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.60
	Farallon	4/29/2024	B-4R-20240429	178 F-13	< 160	< 80.0	< 160	< 100	< 0.200	< 1.00	< 0.500	---	---	< 1.50
	Farallon	8/27/2024	B-4R-20240827	276 F-13	< 152	---	---	105 F-03	< 0.200	< 1.00	< 0.500	< 1.00	< 0.500	< 1.50
B-6	Landau	6/16/1999	AK50H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
B-6R	Landau	12/16/1999	BD02H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/22/2000	BK98H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/22/2000*	BK98I	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/14/2000	BT43I	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/27/2000	CF72F	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/20/2000	CP44H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/14/2001	CV96I	< 250 J	< 500 J	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/22/2001	DH51D	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/26/2001	DQ61H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/19/2001	DY69B	< 250	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/20/2002	EE79I	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/20/2002*	EE79G	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/19/2002	EM41I	250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/25/2003	FP47H/Q	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/9/2004	GS18J	< 250	< 500	---	---	< 250	< 0.2	< 0.2	< 0.2	< 0.4	0.2	---
	Landau	8/25/2009	PL85A	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	06/19/2014	YO99E	< 100	< 200	---	---	< 250	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	---
	Landau	8/20/2019	19H0298	< 100	< 200	---	---	< 100	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.60
	Farallon	4/29/2024	B-6R-20240429	115 F-11	< 167	< 83.3	< 167	< 100	< 0.200	< 1.00	< 0.500	---	---	< 1.50
	Farallon	8/27/2024	B-6R-082724	83.8	< 150	---	---	< 100	< 0.200	< 1.00	< 0.500	< 1.00	< 0.500	< 1.50
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

Table 2
Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
MW-101R	Landau	6/16/1999	AK50A	2,200	< 500	---	---	5,200	**75**	16 J	160 J	55 J	33 J	---
	Landau	6/16/1999*	AK50B	2,600	< 500	---	---	4,500	**87**	23 J	**280** J	93 J	54 J	---
	Landau	12/16/1999	BD02A	2,400	< 500	---	---	4,700	54	< 10	120	42	23	---
	Landau	3/22/2000	BK98G	3,500	< 500	---	---	6,200	64	12	210	61	33	---
	Landau	6/14/2000	BT43A	4,000	< 500	---	---	9,500	**82**	12	**290**	71	41	---
	Landau	9/27/2000	CF72H	3,000	< 1,000	---	---	5,700	**72**	< 10	240 J	56 J	23 J	---
	Landau	12/20/2000	CP44B	3,100	< 500	---	---	6,700	64	18	200	90	42	---
	Landau	3/14/2001	CV96A	3,500	< 500	---	---	6,000	**82**	11	250	64	36	---
	Landau	6/22/2001	DH51F	2,900	< 500	---	---	6,100	**72**	14	250 J	83 J	39 J	---
	Landau	6/22/2001*	DH51E	2,900	< 500	---	---	7,400	64	18	130 J	110 J	52 J	---
	Landau	9/26/2001	DQ61A	3,400	< 500	---	---	5,300	54	8.4	170	60	27	---
	Landau	12/19/2001	DY69C	2,400	< 500	---	---	6,300 J	48 J	< 5.0 J	130 J	46 J	18 J	---
	Landau	3/20/2002	EE79A	3,300	< 500	---	---	6,300	**78**	7.6	260	92	37	---
	Landau	6/19/2002	EM41A	4,200	< 500	---	---	5,400	70	5.7	250	46	23	---
	Landau	6/19/2002*	EM41B	3,800	< 500	---	---	5,400	69	5.5	240	43	22	---
	Landau	6/25/2003	FP47A/J	3,800	< 500	---	---	4,800	**89**	< 5.0	**300**	45	17	---
	Landau	6/25/2003*	FP47F/O	3,900	< 500	---	---	4,800	**96**	4.1	260	48	19	---
	Landau	6/9/2004	GS18F	2,700	< 500	---	---	4,100	**90**	5.5	210	38	17	---
	Landau	6/9/2004*	GS18G	2,600	< 500	---	---	4,100	**92**	6.0	230	43	19	---
	Landau	8/24/2009	PL72A	1,600	< 500	---	---	6,000	36	2.2	150	25	18 J	---
	Landau	8/24/2009*	PL72E	1,500	< 500	---	---	6,000	36	2.3	150	25	< 1.0 J	---
	Landau	06/18/2014	YO69E	1,500	< 200	---	---	7,400	46	5.9	200	42	34	---
	Landau	8/21/2019	19H0324	2,440	< 200	---	---	9,230	40.1	1.9	120	15	19	33.9
	Farallon	10/7/2021	MW-101R-20211007	2,710 PRES F-17	< 195 PRES	---	---	7,040 F-03	30.4	< 5.00	100	---	---	21.5
	Farallon	4/29/2024	MW-101R-20240429	1,660 F-13	< 150	771 F-17	< 150	3,830 F-03	43.2	< 2.00	85.3	---	---	19.0
	Farallon	8/27/2024	MW-101R-20240827	3,000 F-13	< 154	2,250 F-17	< 154	4,660	**78.7**	1.46	81.8	8.25	10.3	18.6
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

Table 2
Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
MW-102R	Landau	6/16/1999	AK50C	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/16/1999	BD02C	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/16/1999*	BD02B	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/22/2000	BK98D	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/14/2000	BT43B	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/14/2000*	BT43E	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/27/2000	CF72A	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/20/2000	CP44E	280	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/20/2000*	CP44I	310	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/14/2001	CV96B	320	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/22/2001	DH51B	320	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/26/2001	DQ61B	340	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/26/2001*	DQ61I	320	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/19/2001	DY69D	370	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/20/2002	EE79B	300	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/19/2002	EM41C	400	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/25/2003	FP47B/K	400	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/9/2004	GS18E	< 250	< 500	---	---	< 250	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	---
	Landau	8/24/2009	PL72B	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	06/18/2014	YO69D	< 100	< 200	---	---	< 250	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	---
	Landau	8/21/2019	19H0324	< 100	< 200	---	---	< 100	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.60
	Farallon	4/29/2024	MW-102R-20240429	208 F-11	< 160	< 80.0	< 160	< 100	< 0.200	< 1.00	< 0.500	---	---	< 1.50
	Farallon	8/27/2024	MW-102R-08272024	211 F-13	< 154	---	---	< 100	< 0.200	< 1.00	< 0.500	< 1.00	< 0.500	< 1.50
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

Table 2
Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
MW-104	Landau	6/16/1999	AK50E	420	< 500	---	---	320	7.0	2.1	5.2	6.0	4.5	---
	Landau	12/16/1999	BD02E	420	< 500	---	---	290	< 10	< 10	< 10	< 10	< 10	---
	Landau	3/22/2000	BK98B	520	< 500	---	---	320	< 10	< 10	< 10	< 10	< 10	---
	Landau	6/14/2000	BT43D	440	< 500	---	---	530	2.2	< 2.0	2.3	4.0	< 2.0	---
	Landau	9/27/2000	CF72C	500	< 500	---	---	290	1.4	< 1.0	1.2 J	2.4 J	< 1.0	---
	Landau	12/20/2000	CP44F	500	< 500	---	---	360	1.4	< 1.0	1.0	2.8	1.0 J	---
	Landau	3/14/2001	CV96C	560	< 500	---	---	370	1.9	< 1.0	1.2	3.1	1.2	---
	Landau	6/22/2001	DH51C	380	< 500	---	---	310	1.7	< 1.0	1.5	2.2	< 1.0	---
	Landau	9/26/2001	DQ61C	390	< 500	---	---	260	1.0	< 1.0	< 1.0	1.8	< 1.0	---
	Landau	12/19/2001	DY69E	470	< 500	---	---	260 J	1.6	< 1.0	< 1.0	1.9	< 1.0	---
	Landau	3/20/2002	EE79C	480	< 500	---	---	290	2.1	< 1.0	1.4	2.7	< 1.0	---
	Landau	6/19/2002	EM41D	360	< 500	---	---	< 250	1.1	< 1.0	< 1.0	1.9	< 1.0	---
	Landau	6/25/2003	FP47C/L	460	< 500	---	---	< 250	1.5	< 1.0	1.1	1.6	< 1.0	---
	Landau	6/9/2004	GS18B	260	< 500	---	---	< 250	0.7	< 0.2	0.6	1.5	< 0.2	---
	Landau	8/24/2009	PL72D	< 250	< 500	---	---	340	1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	06/18/2014	YO69B	150	< 200	---	---	320	1.5	< 1.0	< 1.0	< 2.0	< 1.0	---
	Landau	8/21/2019	19H0324	< 100	< 200	---	---	270	1.05	0.20	0.94	0.80	0.30	1.10
	Farallon	4/29/2024	MW-104-20240429	259 F-13	< 168	95.1 F-12	< 168	< 100	< 0.200	< 1.00	< 0.500	---	---	< 1.50
	Farallon	8/27/2024	MW-104-082724	145 F-13	< 152	---	---	< 100	< 0.200	< 1.00	< 0.500	< 1.00	< 0.500	< 1.50
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

Table 2
Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
MW-105	Landau	6/16/1999	AK50I	1,200	< 500	---	---	1,500	**360**	52	65	82	46	---
	Landau	12/16/1999	BD02F	1,500	< 500	---	---	1,800	**170**	48	38	52	22	---
	Landau	3/22/2000	BK98C	1,800	< 500	---	---	2,100	**300**	51	66	77	36	---
	Landau	6/14/2000	BT43F	1,600	< 500	---	---	3,300	**430**	38	88	82	46	---
	Landau	9/27/2000	CF72I	1,600	< 500	---	---	2,300	**360**	53 J	81 J	86 J	37 J	---
	Landau	9/27/2000*	CF72D	1,500	< 500	---	---	2,600	**340**	70 J	100 J	110 J	57 J	---
	Landau	12/20/2000	CP44C	1,500	< 500	---	---	2,500	**200**	30	47	52	27	---
	Landau	3/14/2001	CV96D	1,200	< 500	---	---	2,700	**310**	30	76	69	42	---
	Landau	6/22/2001	DH51G	1,200	< 500	---	---	2,400 J	**390**	23	82	60	42	---
	Landau	9/26/2001	DQ61D	1,600	< 500	---	---	2,300 J	**330**	33	69	56	37	---
	Landau	12/19/2001	DY69F	1,400	< 500	---	---	2,100 J	**270** J	18 J	56 J	38 J	29 J	---
	Landau	3/20/2002	EE79D	1,600	< 500	---	---	2,000	**330**	29	68	47	29	---
	Landau	6/19/2002	EM41E	1,500	< 500	---	---	1,600 J	**220**	22	50	36	21	---
	Landau	6/25/2003	FP47D/M	1,400	< 500	---	---	1,500	**310**	32	52	37	19	---
	Landau	6/9/2004	GS18D	760	< 500	---	---	1,100	**340**	41	49	39	15	---
	Landau	8/25/2009	PL85D	< 250	< 500	---	---	3,000	**410**	92	66	66	24	---
	Landau	06/18/2014	YO69C	180	< 200	---	---	1,600	**300**	63	43	38	16	---
	Landau	8/21/2019	19H0324	296	< 200	---	---	2,630	**337**	33.9	33.5	24.4	10.9	35.4
	Farallon	10/7/2021	MW-105-20211007	---	---	---	---	1,500 F-03 V-01	**147** V-01	15.4 V-01	17.9 V-01	---	---	17.6 V-01
	Farallon	4/29/2024	MW-105-20240429	413 F-13	< 157	121 F-17	< 157	502	**109**	4.49	6.78	---	---	4.44
	Farallon	8/27/2024	MW-105-20240827	482 PRES F-13	< 155	---	---	897 F-03 V-01	**159** V-01	< 1.00 V-01	0.760 V-01	< 1.00 V-01	< 0.500 V-01	< 1.50 V-01
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

Table 2
Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
MW-107R	Landau	6/16/1999	AK50F	< 250	< 500	---	---	550	< 1.0	3.7	22	17	8.6	---
	Landau	12/16/1999	BD02G	580	< 500	---	---	990	< 10	< 10	27	19	10	---
	Landau	3/22/2000	BK98A	360	< 500	---	---	840	< 10	< 10	23	21	12	---
	Landau	6/14/2000	BT43G	740	< 500	---	---	3,400	< 10	14	73	59	33	---
	Landau	9/27/2000	CF72J	600	< 500	---	---	780	< 10	< 10	14 J	13 J	< 10	---
	Landau	12/20/2000	CP44D	540	< 500	---	---	1,400	< 5.0	4.9 J	33	24	19	---
	Landau	3/14/2001	CV96E	1,200	< 500	---	---	1,800 J	< 5.0	8.6	46	33	23	---
	Landau	3/14/2001*	CV96G	1,100	< 500	---	---	1,400 J	1.2	7.6	44	33	23	---
	Landau	6/22/2001	DH51H	890	< 500	---	---	1,500	< 5.0	7.3	47	32	20	---
	Landau	9/26/2001	DQ61E	1,900	< 500	---	---	3,900	5.7	22	110	89	66	---
	Landau	12/19/2001	DY69G	630	< 500	---	---	780 J	< 5.0 J	< 5.0 J	21 J	15 J	11 J	---
	Landau	3/20/2002	EE79E	1,200	< 500	---	---	1,200	< 5.0	< 5.0	33	23	15	---
	Landau	6/19/2002	EM41F	1,000	< 500	---	---	1,700	< 5.0	< 5.0	32	23	13	---
	Landau	6/25/2003	FP47E/N	1,400	< 500	---	---	2,500	< 5.0	9.0	72	45	30	---
	Landau	6/9/2004	GS18C	680	< 500	---	---	880	< 5.0	< 5.0	24	15	11	---
	Landau	8/25/2009	PL85C	290	< 500	---	---	1,300	< 1.0	< 1.0	15	7.8	5.9	---
	Landau	06/19/2014	YO99C	290	< 200	---	---	4,200	1.4	1.1	32	16	11	---
	Landau	8/20/2019	19H0298	136	< 200	---	---	135	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.60
	Landau	8/20/2019*	19H0298	< 100	< 200	---	---	138	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20	< 0.60
	Farallon	4/29/2024	MW-107R-20240429	1,200 F-13	< 154	683 F-17	< 154	608 F-03	1.17	< 1.00	4.68	---	---	4.39
	Farallon	8/27/2024	MW-107R-082724	693 F-13	< 157	< 78.4	< 157	1,260	1.39	< 1.00	6.18	3.69	3.59	7.28
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

Table 2
Summary of Groundwater Analytical Results for TPH and BTEX
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx[1]		NWTPH-Dx-SG[1]								
				DRO	ORO	DRO	ORO	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	m,p-Xylenes[3]	o-Xylene[3]	Total Xylenes[3]
MW-108R	Landau	6/16/1999	AK50G	< 250	< 500	---	---	< 250	< 1.0	< 1.0	1.9	< 1.0	< 1.0	---
	Landau	12/16/1999	BD02K	< 250	< 500	---	---	< 250	< 1.0	< 1.0	1.3	< 1.0	< 1.0	---
	Landau	3/22/2000	BK98F	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/14/2000	BT43H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/27/2000	CF72E	< 250	< 500	---	---	< 250	1.0	< 1.0	2.7 J	1.1 J	< 1.0	---
	Landau	12/20/2000	CP44G	< 250	< 500	---	---	< 250	< 1.0	< 1.0	1.4	0.6 J	0.5 J	---
	Landau	3/14/2001	CV96F	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/22/2001	DH51A	< 250	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	9/26/2001	DQ61F	< 250	< 500	---	---	250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/19/2001	DY69H	< 250	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	12/19/2001*	DY69I	< 250	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	3/20/2002	EE79F	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/19/2002	EM41G	330	< 500	---	---	< 250 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	6/25/2003	FP47I/R	< 250	< 500	---	---	< 250	< 1.0	< 1.0	2.5	< 1.0	< 1.0	---
	Landau	6/9/2004	GS18H	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	8/24/2009	PL72C	< 250	< 500	---	---	< 250	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---
	Landau	06/19/2014	YO99B	< 100	< 200	---	---	< 250	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	---
	Landau	06/19/2014*	YO99A	< 100	< 200	---	---	< 250	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	---
	Landau	8/21/2019	19H0324	< 100	< 200	---	---	289 J	< 0.20 J	< 0.20 J	0.21 J	< 0.40 J	< 0.20 J	< 0.60
	Farallon	4/29/2024	MW-108R-20240429	92.1 F-11	< 154	< 76.9	< 154	< 100	< 0.200	< 1.00	< 0.500	---	---	< 1.50
	Farallon	8/27/2024	MW-108R-20240827	131 F-13	< 157	---	---	< 100 H	< 0.200 H	< 1.00 H	< 0.500 H	< 1.00 H	< 0.500 H	< 1.50 H
Site-Specific Cleanup Level for Groundwater[4]				**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**NE[5]**	**71**	**485**	**276**	**NE**	**NE**	**NE**
Groundwater SL Protective of Indoor Air[6]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**		**320**
Marine Surface Water SL Protective of Aquatic Receptors[7]				**2,100**		**2,100**		**1,700**	**23**	**102**	**21**	**106**		**106**

NOTES:

Results in **bold** denote concentrations exceeding site-specific cleanup levels.

Results highlighted gold denote concentrations exceeding screening levels protectective of indoor air or aquatic receptors.

< denotes analyte not detected at or above the reporting limit listed.

--- denotes sample not analyzed.

* denotes sample is a field duplicate.

[1]Analyzed by Northwest Method NWTPH-Dx or NWTPH-Dx with Silica Gel Cleanup (NWTPH-Dx-SG).

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8260/8021MOD/8260D.

[4]Site-specific groundwater cleanup levels from Table 1 of the Cleanup Action Plan for Union Station Property prepared by Landau Associates, Inc., July 28, 1997.

[5]If TPH is detected, the data will be reviewed to evaluate whether groundwater is adequately protected pursuant to WAC 173-340-720 (3) (c).

[6]Washington State Cleanup Levels and Risk Calculations (CLARC) under Washington State MTCA, Standard Method B Formula Values for Soil from CLARC Master spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

[1]Marine surface water screening levels protective of aquatic receptors derived from the Washington State Department of Ecology Implementation Memorandum No. 23, Concentrations of Gasoline and Diesel Range Organics Predicted to be Protective of Aquatic Receptors in Surface Waters, dated August 25, 2021.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

F-03 = The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.

F-11 = the hydrocarbon pattern indicates weathered possible weathered diesel, mineral oil, or a contribution from a related component

F-12 = the result is primarily due to the presence of individual peaks in the quantitation range. No fuel pattern detected.

F-13 = The sample chromatographic pattern does not resemble the fuel standard used for quantitation

F-17 = no fuel pattern detected. The diesel result represents carbon range C12 to C24 (or C10 to C25 for 2024 results), and the oil result represents >C24 to C40 (or >C25 to C40 for 2024 results).

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

H = sample analyzed outside of holding time

J = result is an estimate

Landau = Landau Associates, Inc.

NE = not established

ORO = TPH as oil-range organics

PRES = incomplete field preservation. Additional preservative was added to adjust the pH within the range appropriate for this analysis.

SL = screening Level

V-01 = sample aliquot taken from VOA vial with headspace (air bubble greater than 6mm diameter)

Table 3
Summary of Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
B-4	Landau	6/16/1999	AK50J	33	---	190	3.7	**280**	**---**	82	51	7.3	6.2	6.8	< 1.1	0.44	0.37	0.06 J	0.12	0.13	< 0.11	< 0.11	---
	Landau	6/16/1999	AK50J^	---	---	---	---	---	---	---	---	---	---	---	---	0.44	0.06 J	---	---	0.37	0.13	0.12	< 0.11
	Landau	12/16/1999	BD02I	5,200	---	860	1.9	**450**	**---**	55	59	12	6.1	9.2	< 1.0	0.53	0.43	0.08 J	0.10	0.16	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02I^	---	---	---	---	---	---	---	---	---	---	---	---	0.53	0.08 J	---	---	0.43	0.16	< 0.10	< 0.10
	Landau	3/22/2000	BK98J	4,100 J	---	580	4.3 J	**350**	**---**	100	120	18 J	20 J	19 J	2.4 J	**9.8**	**9.0**	**6.8**	**6.2**	**9.8**	**5.4**	**1.3**	---
	Landau	3/22/2000	BK98J^	---	---	---	---	---	---	---	---	---	---	---	---	**9.8**	**6.8**	---	---	**9.0**	**9.8**	**6.2**	5.4
	Landau	6/14/2000	BT43J	4,200 J	---	650	2.6	**420**	**---**	150	160	22	17	20	1.4	**6.0**	**4.5**	**2.8**	**2.3**	**4.2**	**2.6**	0.28	---
	Landau	6/14/2000	BT43J^	---	---	---	---	---	---	---	---	---	---	---	---	**6.0**	**2.8**	---	---	**4.5**	**4.2**	**2.3**	2.6
	Landau	9/27/2000	CF72G	3,800 J	---	660 J	2.7	**370** J	**---**	110	130	16	13	14 J	< 1.0	**4.0**	**3.3**	**1.3**	**2.5**	**3.1**	**1.6**	0.45	---
	Landau	9/27/2000	CF72G^	---	---	---	---	---	---	---	---	---	---	---	---	**4.0**	**1.3**	---	---	**3.3**	**3.1**	**2.5**	1.6
	Landau	12/20/2000	CP44A	3,800	---	540	< 30	**390**	**---**	120	120	< 30	< 30	< 30	< 30	0.39	0.34 J	0.04 J	0.05 J	0.07 J	< 0.1	< 0.1	---
	Landau	12/20/2000	CP44A^	---	---	---	---	---	---	---	---	---	---	---	---	0.39	0.04 J	---	---	0.34 J	0.07 J	0.05 J	< 0.10
	Landau	3/14/2001	CV96H	3,100	---	670	8.8	**430**	**---**	150	230	28	**42**	46	7.5	**17**	**16**	**9.6**	**13**	**17**	**6.8**	**2.1**	---
	Landau	3/14/2001	CV96H^	---	---	---	---	---	---	---	---	---	---	---	---	**17**	**9.6**	---	---	**16**	**17**	**13**	6.8
	Landau	6/22/2001	DH51I	3,200	---	510	2.0	**350**	**---**	69	79	13	9.3	9.8	< 1.0	1.0	0.83	0.22	0.33	0.34	0.15	< 0.10	---
	Landau	6/22/2001	DH51I^	---	---	---	---	---	---	---	---	---	---	---	---	1.0	0.22	---	---	0.83	0.34	0.33	0.15
	Landau	9/26/2001	DQ61G	2,600 J	---	450	6.5	**350**	**---**	120	130	22	23	32	3.6	**8.3**	**7.4**	**4.3**	**5.6**	**7.2**	**3.6**	0.98	---
	Landau	12/19/2001	DY69A	2,700 J	---	480	3.2	**330** J	**---**	88	110	16	14	14	< 1.0	**1.7**	**1.5**	0.61	**1.2**	**1.3**	0.57	< 0.2	---
	Landau	3/20/2002	EE79H	2,400 J	---	510	3.0	**320**	**---**	96	110	15	11	11	< 1.0	**1.4**	**1.3** J	0.46	1.0	1.0	0.53	0.2 J	---
	Landau	6/19/2002	EM41H	1,200	---	260	10	**270**	**---**	78	69	10	9.1	9.1	< 1.0	0.41	0.36	< 0.10	< 0.10	0.12	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47G/P	710 J	---	160	1.6	120	---	45	46	9.1	8.3	12	0.53	**2.1**	**2.0**	0.77	0.55	0.16	---	---	---
	Landau	6/9/2004	GS18I	0.41	---	0.46	2.9	69	---	18	7.8	4.6	9.0	12	0.45	**2.0**	**1.7**	**1.1**	**1.1**	**1.2**	0.44	0.28	---
B-4R	Landau	8/25/2009	PL85B	4.6	---	< 1.0	< 1.0	6.6	---	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	0.37	0.45	0.17	0.26	0.36	0.17	< 0.1	---
	Landau	06/19/2014	YO99D	< 1.1	---	< 1.1	< 1.1	4.2	---	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.12	< 0.12	--	--	< 0.12	< 0.12	< 0.12	< 0.12
	Landau	8/20/2019	19H0298	< 1.1	< 1.1	< 1.1	< 1.1	12.7	---	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	--	--	< 1.1	< 1.1	< 1.1	< 2.1
	Landau	8/20/2019	19H0298^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.11	< 0.11	---	---	< 0.11	< 0.11	< 0.11	< 0.22
	Farallon	4/29/2024	B-4R-20240429	< 0.400	2.48	< 0.400	< 0.200	21.7	< 0.200	4.44	0.924	0.372	0.467	0.599	< 0.200	0.250	< 0.200	< 0.300	< 0.300	0.376	< 0.200	< 0.200	---
	Farallon	8/27/2024	B-4R-20240827	1.19	4.54	0.384 J	1.61	26.5	< 0.183	4.97	1.01	0.320 J	0.192 J	0.229 J	< 0.183	< 0.0915	< 0.0915	< 0.0915	< 0.0915	< 0.0915	< 0.0915	< 0.0915	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
B-6	Landau	6/16/1999	AK50H	< 1.0	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
B-6R	Landau	12/16/1999	BD02H	< 1.0	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98H	4.0 J	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000*	BK98I	< 1.0 J	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43I	< 1.0	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/27/2000	CF72F	< 1.0	---	< 1.0	< 1.0	< 1.0 J	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/20/2000	CP44H	< 1.0	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.03 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96I	3.6	---	< 1.0	< 1.0	< 1.0	---	< 1.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	0.13 J	0.13 J	0.05 J	0.08 J	0.09 J	0.04 J	< 0.10 J	---
	Landau	6/22/2001	DH51D	< 1.0	---	< 1.0	< 1.0	< 1.0 J	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61H	7.1 J	---	1.4	< 1.0	1.1	---	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	0.26	0.23	0.15	0.16	0.21	0.11	< 0.10	---
	Landau	12/19/2001	DY69B	4.9 J	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002	EE79I	4.0 J	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002*	EE79G	2.9 J	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002	EM41I	< 1.0	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47H/Q	0.14	---	0.090	< 0.010	0.050	---	0.020	0.080	0.040	0.060	0.080	< 0.010	0.020	0.020	< 0.010	< 0.01	< 0.01	< 0.01	< 0.01	---
	Landau	6/9/2004	GS18J	< 0.13	---	< 0.030	0.010 J	< 0.14	---	0.053	0.16	0.065	0.081	0.11	0.019	0.035	0.030	0.016	0.016	0.023	0.016	< 0.01	---
	Landau	8/25/2009	PL85A	2.6	---	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19	0.21	0.15	0.11	0.19	0.11	< 0.10	---
	Landau	06/19/2014	YO99E	< 1.2	---	< 1.2	< 1.2	< 1.2	---	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.12	< 0.12	---	---	< 0.12	< 0.12	< 0.12	< 0.12
	Landau	8/20/2019	19H0298	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	---	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	---	---	< 1.1	< 1.1	< 1.1	< 2.1
	Landau	8/20/2019	19H0298^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.11	< 0.11	---	---	< 0.11	< 0.11	< 0.11	< 0.22
	Farallon	4/29/2024	B-6R-20240429	< 0.0396	< 0.0396	< 0.0396	< 0.0198	0.0609	< 0.0198	0.0263	0.106	< 0.0198	0.0517	0.0510	< 0.0198	0.0205	< 0.0198	0.0300	< 0.0297	0.0321	< 0.0198	< 0.0198	---
	Farallon	8/27/2024	B-6R-082724	0.169	< 0.0397	< 0.0397	0.0635	< 0.0744	< 0.0198	< 0.0198	< 0.0397	< 0.0198	< 0.0198	< 0.0198	< 0.0198	< 0.00992	< 0.00992	< 0.00992	< 0.00992	< 0.00992	< 0.00992	< 0.00992	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
MW-101R	Landau	6/16/1999	AK50A	4,000	---	450	2.8 J	210	---	80	74 J	4.8	4.8	3.7	< 1.0	0.19	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/16/1999*	AK50B	3,600	---	400	4.1 J	200	---	81 J	68 J	5.7	4.8	4.9	< 1.0	0.19	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02A	2,400	---	520	1.7	**290**	**---**	60	60	5.6	5.2	5.9	< 1.0	0.27	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98G	2,800 J	---	440	1.1 J	200	---	67 J	64 J	4.2 J	3.2 J	3.0 J	< 1.0	0.29	0.22	0.05 J	0.07 J	0.08 J	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43A	4,500 J	---	710	1.8	**340**	**---**	110	130	8.7	6.9	6.6	< 1.0	0.39	0.27	0.05 J	0.07 J	0.09 J	0.04 J	< 0.10	---
	Landau	9/27/2000	CF72H	3,000 J	---	480 J	1.5	**280** J	**---**	74	80 J	6.5	6.2	6.1 J	< 1.0	0.41	0.30	0.07 J	0.12	0.12	0.05 J	< 0.10	---
	Landau	12/20/2000	CP44B	2,400	---	460	1.8	**330**	**---**	95	65	6.4	5.3	5.4	< 1.0	0.27	0.20 J	0.03 J	0.04 J	0.03 J	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96A	3,900	---	590	1.4	**330**	**---**	58	59	5.7	5.1	4.8	< 1.0	0.49	0.44	0.20	0.24	0.30	0.14	< 0.10	---
	Landau	6/22/2001	DH51F	3,100	---	600	1.5	**330** J	**---**	78	74	7.1	6.1	6.0	< 1.0	0.27	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/22/2001*	DH51E	3,200	---	570	1.3	**330** J	**---**	64	63	6.8	5.8	5.5	< 1.0	0.29	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61A	4,900 J	---	700	2.4	**350**	**---**	70	73	6.0	5.4	5.2	< 1.0	0.37	0.27	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001	DY69C	2,000 J	---	350	1.0 J	**240** J	**---**	72	97	6.9	5.4	5.1	< 1.0	0.16	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002	EE79A	3,400 J	---	570	1.5	**330**	**---**	75	77	7.4	4.7	4.2	< 1.0	0.25	0.14 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002	EM41A	3,200	---	530	2.4	**310**	**---**	83	92	6.5	5.4	5.0	< 1.0	0.17	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002*	EM41B	3,400	---	530	2.1	**310**	**---**	88	99	6.4	5.2	5.2	< 1.0	0.17	0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47A/J	2,900 J	---	490 J	0.58 J	**260**	**---**	79	63	7.2	5.4	6.1	< 0.010	0.20	0.15	0.030	0.030	0.040	< 0.010	< 0.010	---
	Landau	6/25/2003*	FP47F/O	2,000 J	---	600 J	0.53 J	**280**	**---**	90	68	8.2	5.3	6.1	< 0.010	0.20	0.13	0.020	0.040	0.040	< 0.010	< 0.010	---
	Landau	6/9/2004	GS18F	1,800	---	280	2.0	**250**	**---**	72	66	6.5	5.0	4.6	< 0.050	0.23	0.16	0.048 J	0.048 J	0.052	< 0.050	< 0.050	---
	Landau	6/9/2004*	GS18G	1,800	---	290	2.3	**260**	**---**	79	75	7.6	5.6	5.3	< 0.050	0.25	0.17	0.048 J	0.071	0.060	< 0.050	< 0.050	---
	Landau	8/24/2009	PL72A	1,500	---	440	< 1.0	**240**	**---**	85	93	7.6	6.8	6.2	< 1.0	0.28 J	0.20 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	8/24/2009*	PL72E	1,400	---	400	< 1.0	220	---	76	86	7.1	6.0	5.3	< 1.0	0.43 J	0.33 J	< 0.10	< 0.10	0.14	< 0.10	< 0.10	---
	Landau	06/18/2014	YO69E	1,200	---	300	1.5	150	---	54	63	3.9	3.4	3.4	< 1.2	0.24	0.18	---	---	< 0.11	< 0.11	< 0.11	0.13
	Landau	8/21/2019	19H0324	1,770	412.0	551	< 1.0	**275**	**---**	95.9	99.8	8.1	6.2	8.3	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 102.0
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	0.22	0.16	---	---	< 0.10	< 0.10	< 0.10	< 0.20
	Farallon	10/7/2021	MW-101R-20211007	---	---	---	---	166	---	---	---	---	---	---	---	0.120	0.0871	< 0.0506	< 0.0506	< 0.0506	< 0.0506	< 0.0506	---
	Farallon	4/29/2024	MW-101R-20240429	163	125	108	< 1.13	108	8.77	42.9	48.9	6.13	5.35	5.19	< 0.755	0.948	< 0.755	**1.30**	< 1.13	**1.63**	< 0.755	< 0.755	---
	Farallon	8/27/2024	MW-101R-20240827	322	388	432	< 9.59	**235**	14.9	73.8	56.7	6.94	4.57	4.66	< 1.83	< 0.913	< 0.913	< 0.913	< 0.913	< 0.913	< 0.913	< 0.913	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
MW-102R	Landau	6/16/1999	AK50C	1.0	---	< 1.0	< 1.0	7.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02C	< 1.0	---	< 1.0	< 1.0	11	---	2.4	< 1.0	0.8 J	1.0	0.9 J	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999*	BD02B	< 1.0	---	< 1.0	< 1.0	11	---	2.1	< 1.0	0.7 J	1.0	1.1	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98D	3.7 J	---	< 1.0	< 1.0	11	---	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43B	9.3 J	---	1.8	< 1.0	13	---	2.7	3.2	1.0	1.0	< 1.0	< 1.0	0.06 J	0.04 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000*	BT43E	2.8 J	---	< 1.0	< 1.0	11	---	2.6	3.2	< 1.0	< 1.0	< 1.0	< 1.0	0.05 J	0.03 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/27/2000	CF72A	3.3 J	---	1.0 J	< 1.0	11 J	---	2.8	4.2	< 1.0	< 1.0	< 1.0 J	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/20/2000	CP44E	< 1.0	---	3.5	< 1.0	14	---	3.2	0.6 J	1.0 J	0.9 J	1.0 J	< 1.0	0.07 J	0.04 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/20/2000*	CP44I	< 1.0	---	3.2	< 1.0	12	---	3.2	1.4	0.8 J	0.9 J	0.8 J	< 1.0	0.06 J	0.04 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96B	1.7	---	< 1.0	< 1.0	13	---	2.9	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/22/2001	DH51B	< 1.0	---	< 1.0	< 1.0	12 J	---	3.2	4.3	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61B	8.4 J	---	1.8	< 1.0	11	---	2.9	4.3	< 1.0	1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001*	DQ61I	1.0 J	---	< 1.0	< 1.0	12	---	3.0	4.3	1.1	1.1	1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001	DY69D	12 J	---	2.1	< 1.0	15 J	---	3.4	3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002	EE79B	22 J	---	2.6	< 1.0	17	---	3.7	3.8	1.1	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002	EM41C	1.5	---	< 1.0	< 1.0	13	---	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47B/K	< 0.06 J	---	0.12 J	0.16 J	11	---	2.9	2.7	0.84 J	0.48 J	0.40 J	< 0.010 J	0.030 J	0.020 J	< 0.010 J	< 0.010 J	< 0.010 J	< 0.010 J	< 0.010 J	---
	Landau	6/9/2004	GS18E	< 0.24	---	0.67	0.28	13	---	3.2	3.8	0.98	1.0	0.85	0.059	0.12	0.098	0.064	0.068	0.064	0.069	0.074	---
	Landau	8/24/2009	PL72B	3.1	---	< 1.0	< 1.0	11	---	2.8	3.5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	06/18/2014	YO69D	2.4	---	< 1.2	< 1.2	7.6	---	1.8	1.6	< 1.2	< 1.2	< 1.2	< 1.2	< 0.12	< 0.12	---	---	< 0.12	< 0.12	< 0.12	< 0.12
	Landau	8/21/2019	19H0324	< 1.0	< 1.0	< 1.0	< 1.0	10.6	---	2.1	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 2.0
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10	---	---	< 0.10	< 0.10	< 0.10	< 0.20
	Farallon	4/29/2024	MW-102R-20240429	< 0.400	< 0.400	< 0.400	< 0.200	6.80	0.203	2.11	0.473	0.535	0.574	0.472	< 0.200	< 0.200	< 0.200	< 0.300	< 0.300	< 0.300	< 0.200	< 0.200	---
	Farallon	8/27/2024	MW-102R-08272024	< 0.142	0.180 J	< 0.142	1.22	13.1	0.294	4.19	1.15	0.918	0.683	0.559	< 0.0712	< 0.0356	< 0.0356	< 0.0356	< 0.0356	< 0.0356	< 0.0356	< 0.0356	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
MW-104	Landau	6/16/1999	AK50E	< 1.0	---	< 1.0	< 1.0	58	---	11	4.5	1.2	1.4	1.2	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02E	< 1.0	---	< 1.0	2.0	37	---	13	7.9	1.6	1.8	1.7	< 1.0	0.10	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98B	1.1 J	---	< 1.0	< 1.0	37	---	10	5.7	1.3	1.4	1.2	< 1.0	0.11	0.09 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43D	< 1.0	---	< 1.0	< 1.0	43 J	---	9.6	< 1.0	1.3	1.9	1.5	< 1.0	0.12	0.09 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/27/2000	CF72C	< 1.0	---	< 1.0	< 1.0	47 J	---	12	5.0	1.5	1.5	1.2 J	< 1.0	0.10	0.09 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/20/2000	CP44F	< 1.0	---	24	< 1.0	62	---	17	8.7	1.7	1.9	1.6	< 1.0	0.14 J	0.12 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96C	< 1.0	---	< 1.0	1.1	40	---	11	3.1	1.2	1.6	1.2	< 1.0	0.11	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/22/2001	DH51C	< 1.0	---	< 1.0	< 1.0	43 J	---	11	< 1.0	1.3	1.5	1.1	< 1.0	0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61C	< 1.0 J	---	4.9	1.4	46	---	10	1.6	1.0	1.5	1.1	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001	DY69E	< 1.0	---	< 1.0	< 1.0	64 J	---	11	< 1.0	1.1	1.7	1.4	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002	EE79C	< 1.0 J	---	2.0	< 1.0	50	---	10	1.2	1.2	1.4	1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002	EM41D	< 1.0	---	< 1.0	2.3	50	---	6.8	< 1.0	< 1.0	1.4	1.1	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47C/L	0.40	---	9.3	0.47	48	---	8.5	< 0.010	0.77	1.4	1.3	< 0.010	0.090	0.060	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---
	Landau	6/9/2004	GS18B	< 0.75	---	1.5	0.70	45	---	4.0	0.36	< 0.01	1.4	1.1	< 0.010	0.070	0.047	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---
	Landau	8/24/2009	PL72D	4.5	---	7.8	< 1.0	55	---	15	15	1.7	1.8	1.3	< 1.0	0.14	0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	06/18/2014	YO69B	1.9	---	11	< 1.2	54	---	15	12	2.1	1.6	1.6	< 1.2	0.18	0.23	---	---	0.14	< 0.12	< 0.12	0.24
	Landau	8/21/2019	19H0324	< 1.0	10.2	1.9	12.4	45.1	---	10.4	2.8	1.0	1.4	1.6	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 2.0
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10	---	---	< 0.10	< 0.10	< 0.10	< 0.20
	Farallon	4/29/2024	MW-104-20240429	< 0.421	0.471	< 0.421	0.445	26.7	< 0.211	2.72	< 0.211	< 0.211	1.04	0.787	< 0.211	< 0.211	< 0.211	< 0.316	< 0.316	< 0.316	< 0.211	< 0.211	---
	Farallon	8/27/2024	MW-104-082724	< 0.362	0.601 J	< 0.362	2.07	51.7	0.221 J	5.78	< 0.362	0.321 J	1.42	1.08	< 0.181	< 0.0904	< 0.0904	< 0.0904	< 0.0904	< 0.0904	< 0.0904	< 0.0904	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
MW-105	Landau	6/16/1999	AK50I	1,700	---	70	13	72	---	38	72	7.1	7.1	6.1	< 1.0	0.28	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02F	1,300	---	190	7.6	80	---	39	67	8.2	9.1	9.5	< 1.0	0.32	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98C	860 J	---	75 J	2.8 J	70 J	---	27 J	61 J	5.1 J	5.7 J	4.3 J	< 1.0	0.30	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43F	1,500 J	---	120	2.7	75	---	31	72	9.5	8.7	7.6	< 1.0	0.49	0.32	0.04 J	0.05 J	0.05 J	< 0.10	< 0.10	---
	Landau	9/27/2000	CF72I	820 J	---	90 J	2.9	73 J	---	31	66	7.6	6.9	5.8 J	< 1.0	0.38	0.31	0.08 J	0.12	0.14	0.05 J	< 0.10	---
	Landau	9/27/2000*	CF72D	1,200 J	---	120 J	3.1	100 J	---	32	66	8.0	7.7	5.8 J	< 1.0	0.34	0.21	0.03 J	0.06 J	0.06 J	< 0.10	< 0.10	---
	Landau	12/20/2000	CP44C	1,000	---	100	2.3	100	---	42	57	7.4	9.2	9.6	< 1.0	0.33	0.25 J	0.03 J	0.04 J	0.02 J	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96D	1,000	---	130	1.6	67	---	32	58	8.1	11	9.6	< 1.0	0.76	0.69	0.23	0.35	0.36	0.15	< 0.10	---
	Landau	6/22/2001	DH51G	770	---	110	1.2	70	---	32	59	7.0	9.5	8.1	< 1.0	0.52	0.35	0.12	0.13	0.15	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61D	610 J	---	89	1.7	67	---	29	60	6.4	8.1	6.6	< 1.0	0.41	0.27	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001	DY69F	860 J	---	74	1.2	80 J	---	35	73	9.6	11	9.8	< 1.0	0.77 J	0.56 J	0.20 J	0.32 J	0.4 J	0.19 J	< 0.10 J	---
	Landau	3/20/2002	EE79D	940 J	---	96	< 1.0	79	---	30	65	8.1	11	8.2	< 1.0	0.85	0.66 J	0.17	0.36	0.41	0.15	< 0.10	---
	Landau	6/19/2002	EM41E	410	---	76	1.1	75	---	32	57	5.8	7.4	6.8	< 1.0	0.24	0.16	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47D/M	480 J	---	71	0.29 J	54	---	24	40	5.6	5.9	6.1	< 0.010	0.24	0.15	0.030	0.040	0.040	< 0.010	< 0.010	---
	Landau	6/9/2004	GS18D	540	---	62	0.98	48	---	20	34	4.8	6.5	5.7	0.062	0.46	0.28	0.10	0.12	0.14	0.068	0.053	---
	Landau	8/25/2009	PL85D	240	---	29	< 1.0	50	---	19	30	4.3	6.0	4.8	< 1.0	**1.2**	**1.1**	0.55	0.74	1.0	0.48	0.17	---
	Landau	06/18/2014	YO69C	180	---	19	< 1.2	33	---	12	23	3.1	4.7	4.6	< 1.2	0.35	0.28	---	---	0.19	< 0.12	< 0.12	0.29
	Landau	8/21/2019	19H0324	269	30.6	26.8	< 1.0	39.5	---	15.3	31	3.5	6.1	7.3	< 1.0	**1.1**	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 2.1
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	0.27	0.24	---	---	0.12	< 0.10	< 0.10	< 0.21
	Farallon	10/7/2021	MW-105-20211007	---	---	---	---	---	---	---	---	---	---	---	---	0.124	0.0888	< 0.0426	< 0.0426	< 0.0426	< 0.0426	< 0.0426	---
	Farallon	4/29/2024	MW-105-20240429	10.2	4.09	< 1.50	< 0.748	30.1	4.53	9.23	< 0.748	2.41	4.69	3.97	< 0.748	< 0.748	< 0.748	< 1.12	< 1.12	< 1.12	< 0.748	< 0.748	---
	Farallon	8/27/2024	MW-105-20240827	19.6	20.3	14.3	3.11	36.9	5.26	9.36	1.67	1.89	2.81	2.35	< 0.184	0.216	0.138 J	0.0966 J	< 0.0920	0.115 J	< 0.0920	< 0.0920	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs											Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
MW-107R	Landau	6/16/1999	AK50F	2.1	---	6.8	< 1.0	5.9	---	1.5	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02G	390	---	44	< 1.0	18	---	4.8	3.2	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98A	600 J	---	39	< 1.0	14 J	---	3.2	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43G	2,000 J	---	130	< 1.0	47	---	12	9.1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/27/2000	CF72J	900 J	---	78 J	< 1.0	36 J	---	9.2	6.7	< 1.0	< 1.0	< 1.0 J	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/20/2000	CP44D	740	---	63	< 1.0	33	---	8.9	5.9	< 1.0	< 1.0	< 1.0	< 1.0	0.04 J	0.03 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96E	2,200	---	170	< 1.0	53	---	16	12	1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/14/2001*	CV96G	1,900	---	150	< 1.0	53	---	17	12	1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/22/2001	DH51H	1,300	---	130	< 1.0	47	---	14	9.8	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61E	1,400 J	---	150	< 1.0	56	---	15	12	1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001	DY69G	990 J	---	66	< 1.0	38 J	---	10	7.6	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002	EE79E	2,200 J	---	150	< 1.0	63	---	17	14	1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002	EM41F	1,000	---	77	< 1.0	43	---	13	8.8	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47E/N	1,400 J	---	220	0.3 J	76	---	27	18	1.4	0.49	0.44	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	---
	Landau	6/9/2004	GS18C	1,200	---	140	0.47	58	---	19	14	1.0	0.47	0.49	< 0.050	0.053	0.051	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	---
	Landau	8/25/2009	PL85C	480	---	100	< 1.0	44	---	12	8.7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	06/19/2014	YO99C	160	---	57	< 3.4	29	---	8.5	8.4	< 3.4	< 3.4	< 3.4	< 3.4	< 0.12	< 0.12	---	---	< 0.12	< 0.12	< 0.12	< 0.12
	Landau	8/20/2019	19H0298	2.8 J	18.4 J	19.1 J	< 1	18.6 J	---	5.7 J	5.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 2.0
	Landau	8/20/2019*	19H0298	4.8 J	23.5 J	26.0 J	< 1.0	24.1 J	---	7.5 J	6.8 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 2.1
	Landau	8/20/2019	19H0298^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10	---	---	< 0.10	< 0.10	< 0.10	< 0.20
	Landau	8/20/2019*	19H0298^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10	---	---	< 0.10	< 0.10	< 0.10	< 0.20
	Farallon	4/29/2024	MW-107R-20240429	24.8	48.3	26.7	< 2.69	56.1	2.89	19.9	11.0	1.53	0.809	0.805	< 0.769	< 0.769	< 0.769	< 1.15	< 1.15	< 1.15	< 0.769	< 0.769	---
	Farallon	8/27/2024	MW-107R-082724	0.168	0.0531 J	0.0702 J	5.06	< 0.0640	< 0.0629	< 0.166	0.0655 J	0.338	< 0.0190	0.0213 J	< 0.0190	< 0.00949	< 0.00949	< 0.00949	< 0.00949	< 0.00949	< 0.00949	< 0.00949	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

Table 3
Groundwater Analytical Results for PAHs
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
				Non-Carcinogenic PAHs												Carcinogenic PAHs							
				Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(g,h,i)perylene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Total Benzofluoranthenes
MW-108R	Landau	6/16/1999	AK50G	67	---	11	< 1.0	5.8	---	1.6	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/16/1999	BD02K	50	---	10	< 1.0	5.7	---	1.9	2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/22/2000	BK98F	20 J	---	4.5	< 1.0	2.3	---	< 1.0	2.0	< 1.0	< 1.0	< 1.0	< 1.0	0.05 J	0.04 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/14/2000	BT43H	50 J	---	7.7	< 1.0	4.1	---	1.3	2.0	< 1.0	< 1.0	< 1.0	< 1.0	0.05 J	0.04 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/27/2000	CF72E	100 J	---	14 J	< 1.0	7.7 J	---	1.8	2.6	< 1.0	< 1.0	< 1.0 J	< 1.0	0.08 J	0.06 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/20/2000	CP44G	53	---	9.4	< 1.0	6.8	---	2.1	2.3	< 1.0	< 1.0	< 1.0	< 1.0	0.06 J	0.04 J	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/14/2001	CV96F	19	---	4.0	< 1.0	2.5	---	1.1	2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/22/2001	DH51A	30	---	5.4	< 1.0	3.8 J	---	1.1	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	9/26/2001	DQ61F	22 J	---	3.9	< 1.0	2.6	---	1.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001	DY69H	31 J	---	4.7	< 1.0	3.0 J	---	1.1	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	12/19/2001*	DY69I	20 J	---	3.7	< 1.0	2.3 J	---	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	3/20/2002	EE79F	27 J	---	5.0	< 1.0	3.0	---	1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/19/2002	EM41G	49	---	7.9	< 1.0	4.6	---	1.4	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	6/25/2003	FP47I/R	33 J	---	6.2	0.040	3.3	---	1.1	1.5	0.22	0.16	0.21	< 0.010	0.030	0.020	< 0.01	< 0.010	< 0.010	< 0.010	< 0.010	---
	Landau	6/9/2004	GS18H	11	---	2.8	< 0.05	2.1	---	1.0	1.9	0.29	0.28	0.30	0.058	0.10	0.099	0.055	0.074	0.066	0.070	0.070	---
	Landau	8/24/2009	PL72C	12	---	1.6	< 1.0	2.1	---	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	---
	Landau	06/19/2014	YO99B	1.4	---	< 1.1	< 1.1	1.3	---	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.12	< 0.12	---	---	< 0.12	< 0.12	< 0.12	< 0.12
	Landau	06/19/2014*	YO99A	1.7	---	< 1.2	< 1.2	1.2	---	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.11	< 0.11	---	---	< 0.11	< 0.11	< 0.11	< 0.11
	Landau	8/21/2019	19H0324	< 1	< 1.0	< 1.0	< 1.0	< 1.0	---	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 1.0	< 1.0	< 2.1
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10	---	---	< 0.10	< 0.10	< 0.10	< 0.21
	Farallon	4/29/2024	MW-108R-20240429	0.0510	0.0560	< 0.0385	< 0.0192	0.309	0.0439	0.165	0.375	0.0513	0.0979	0.0999	< 0.0192	< 0.0192	< 0.0192	< 0.0288	< 0.0288	< 0.0288	< 0.0192	< 0.0192	---
	Farallon	8/27/2024	MW-108R-20240827	< 0.0378	< 0.0378	< 0.0378	0.0274 J	0.352	0.0549	0.193	0.274	0.132	0.0624	0.0615	< 0.0189	0.0104 J	< 0.00946	< 0.00946	< 0.00946	< 0.00946	< 0.00946	< 0.00946	---
Site-Specific Cleanup Level for Groundwater[2]				**9,880**	**NE**	**NE**	**NE**	**225**	**NE**	**2,422**	**NE**	**25,900**	**27.1**	**777**	**NE**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**NE**

NOTES:
Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
--- denotes sample not analyzed.
* denotes sample is a field duplicate.
^ denotes sample analyzed by 8270D SIM
[1]Analyzed by U.S. Environmental Protection Agency Method 8270D/8270E unless otherwise noted.
[2]Site-specific groundwater cleanup levels from Table 1 of the Cleanup Action Plan for Union Station Property prepared by Landau Associates, Inc., July 28, 1997.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons
Farallon = Farallon Consulting, L.L.C.
J = result is an estimate
Landau = Landau Associates, Inc.
PAHs = polycyclic aromatic hydrocarbons
NE = not established

Table 4
Summary of Groundwater Analytical Results for Arsenic
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Arsenic	Dissolved Arsenic
B-4	Landau	6/16/1999	AK50J	---	2
	Landau	12/16/1999	BD02I	---	< 5
	Landau	3/22/2000	BK98J	---	3
	Landau	6/14/2000	BT43J	---	3
	Landau	9/27/2000	CF72G	---	3
	Landau	12/20/2000	CP44A	---	3
	Landau	3/14/2001	CV96H	---	2
	Landau	6/22/2001	DH51I	---	3
	Landau	9/26/2001	DQ61G	---	3
	Landau	12/19/2001	DY69A	---	3 J
	Landau	3/20/2002	EE79H	---	3
	Landau	6/19/2002	EM41H	---	3.2
	Landau	6/25/2003	FP47G/P	---	**7**
	Landau	6/9/2004	GS18I	---	4
B-4R	Landau	8/25/2009	PL85B	---	**13.4**
	Landau	06/19/2014	YO99D	---	**13**
	Landau	8/20/2019	19H0298	---	**13.7**
	Farallon	10/7/2021	B-4R-20211007	2.37	1.52
	Farallon	4/29/2024	B-4R-20240429	3.92	3.68 3.41 F1 H-12
	Farallon	8/27/2024	B-4R-20240827	**10.5**	**5.72**
B-6	Landau	6/16/1999	AK50H	---	**13**
B-6R	Landau	12/16/1999	BD02H	---	**6**
	Landau	3/22/2000	BK98H	---	**20**
	Landau	3/22/2000*	BK98I	---	**20**
	Landau	6/14/2000	BT43I	---	**17**
	Landau	9/27/2000	CF72F	---	**35**
	Landau	12/20/2000	CP44H	---	**21**
	Landau	3/14/2001	CV96I	---	**27**
	Landau	6/22/2001	DH51D	---	**33**
	Landau	9/26/2001	DQ61H	---	**31**
	Landau	12/19/2001	DY69B	---	**22** J
	Landau	3/20/2002	EE79I	---	**27** J
	Landau	3/20/2002*	EE79G	---	**38** J
	Landau	6/19/2002	EM41I	---	**25**
	Landau	6/25/2003	FP47H/Q	---	**24**
	Landau	6/9/2004	GS18J	---	**30**
	Landau	8/25/2009	PL85A	---	**31**
	Landau	06/19/2014	YO99E	---	**26**
	Landau	8/20/2019	19H0298	---	**30.4**
	Farallon	10/7/2021	B-6R-20211007	**36.0**	**31.8**
	Farallon	4/29/2024	B-6R-20240429	**43.3**	**43.8** **22.3** F1 H-12
	Farallon	8/27/2024	B-6R-082724	**28.0**	**20.5** **4.40** F1
Site-Specific Cleanup Level for Groundwater[2]				**4**	
MTCA Cleanup Levels for Groundwater[3]				**8[4]**	

Table 4
Groundwater Analytical Results for Arsenic
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Arsenic	Dissolved Arsenic
MW-101R	Landau	6/16/1999	AK50A	---	**13**
	Landau	6/16/1999*	AK50B	---	**12**
	Landau	12/16/1999	BD02A	---	**14**
	Landau	3/22/2000	BK98G	---	**12**
	Landau	6/14/2000	BT43A	---	**12**
	Landau	9/27/2000	CF72H	---	**13**
	Landau	12/20/2000	CP44B	---	**13**
	Landau	3/14/2001	CV96A	---	**12**
	Landau	6/22/2001	DH51F	---	**12**
	Landau	6/22/2001*	DH51E	---	**12**
	Landau	9/26/2001	DQ61A	---	**14**
	Landau	12/19/2001	DY69C	---	**10** J
	Landau	3/20/2002	EE79A	---	**11**
	Landau	6/19/2002	EM41A	---	**10**
	Landau	6/19/2002*	EM41B	---	**11**
	Landau	6/25/2003	FP47A/J	---	**11**
	Landau	6/25/2003*	FP47F/O	---	**11**
	Landau	6/9/2004	GS18F	---	**12**
	Landau	6/9/2004*	GS18G	---	**12**
	Landau	8/24/2009	PL72A	---	**9.1**
	Landau	8/24/2009*	PL72E	---	**9.5**
	Landau	06/18/2014	YO69E	---	**11**
	Landau	8/21/2019	19H0324	---	**11.0**
	Farallon	10/7/2021	MW-101R-20211007	**9.10**	**8.37**
	Farallon	4/29/2024	MW-101R-20240429	**5.13**	**4.45** < 1.00 F1 H-12
	Farallon	8/27/2024	MW-101R-20240827	**8.31**	**7.96**
Site-Specific Cleanup Level for Groundwater[2]				**4**	
MTCA Cleanup Levels for Groundwater[3]				**8[4]**	

Table 4
Groundwater Analytical Results for Arsenic
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Arsenic	Dissolved Arsenic
MW-102R	Landau	6/16/1999	AK50C	---	4
	Landau	12/16/1999	BD02C	---	**5**
	Landau	12/16/1999*	BD02B	---	**6**
	Landau	3/22/2000	BK98D	---	**7**
	Landau	6/14/2000	BT43B	---	**8**
	Landau	6/14/2000*	BT43E	---	**7**
	Landau	9/27/2000	CF72A	---	**10**
	Landau	12/20/2000	CP44E	---	**9**
	Landau	12/20/2000*	CP44I	---	**10**
	Landau	3/14/2001	CV96B	---	**6**
	Landau	6/22/2001	DH51B	---	**7**
	Landau	9/26/2001	DQ61B	---	**11**
	Landau	9/26/2001*	DQ61I	---	**11**
	Landau	12/19/2001	DY69D	---	3 J
	Landau	3/20/2002	EE79B	---	**5**
	Landau	6/19/2002	EM41C	---	4
	Landau	6/25/2003	FP47B/K	---	< 2
	Landau	6/9/2004	GS18E	---	**6**
	Landau	8/24/2009	PL72B	---	**6.8**
	Landau	06/18/2014	YO69D	---	**5**
	Landau	8/21/2019	19H0324	---	**6.52**
	Farallon	10/7/2021	MW-102R-20211007	**4.59**	3.02
	Farallon	4/29/2024	MW-102R-20240429	2.24	2.04 < 1.00 F1 H-12
	Farallon	8/27/2024	MW-102R-08272024	2.59	2.21
Site-Specific Cleanup Level for Groundwater[2]				**4**	
MTCA Cleanup Levels for Groundwater[3]				**8[4]**	

Table 4
Groundwater Analytical Results for Arsenic
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Arsenic	Dissolved Arsenic
MW-104	Landau	6/16/1999	AK50E	---	< 1
	Landau	12/16/1999	BD02E	---	1
	Landau	3/22/2000	BK98B	---	< 1
	Landau	6/14/2000	BT43D	---	< 1
	Landau	9/27/2000	CF72C	---	1
	Landau	12/20/2000	CP44F	---	< 1
	Landau	3/14/2001	CV96C	---	1
	Landau	6/22/2001	DH51C	---	1
	Landau	9/26/2001	DQ61C	---	1
	Landau	12/19/2001	DY69E	---	1 J
	Landau	3/20/2002	EE79C	---	1
	Landau	6/19/2002	EM41D	---	1.0
	Landau	6/25/2003	FP47C/L	---	1
	Landau	6/9/2004	GS18B	---	2
	Landau	8/24/2009	PL72D	---	**7.0**
	Landau	06/18/2014	YO69B	---	1.5
	Landau	8/21/2019	19H0324	---	0.842
	Farallon	4/29/2024	MW-104-20240429	< 1.00	< 1.00
	Farallon	8/27/2024	MW-104-082724	< 1.00	< 1.00
MW-105	Landau	6/16/1999	AK50I	---	**6**
	Landau	12/16/1999	BD02F	---	**14**
	Landau	3/22/2000	BK98C	---	**10**
	Landau	6/14/2000	BT43F	---	**14**
	Landau	9/27/2000	CF72I	---	**7**
	Landau	9/27/2000*	CF72D	---	**6**
	Landau	12/20/2000	CP44C	---	**18**
	Landau	3/14/2001	CV96D	---	**14**
	Landau	6/22/2001	DH51G	---	**14**
	Landau	9/26/2001	DQ61D	---	**14**
	Landau	12/19/2001	DY69F	---	**18** J
	Landau	3/20/2002	EE79D	---	**19**
	Landau	6/19/2002	EM41E	---	**12**
	Landau	6/25/2003	FP47D/M	---	**12**
	Landau	6/9/2004	GS18D	---	**17**
	Landau	8/25/2009	PL85D	---	1.4
	Landau	06/18/2014	YO69C	---	**15**
	Landau	8/21/2019	19H0324	---	**8.19**
	Farallon	10/7/2021	MW-105-20211007	**13.3**	**12.6**
	Farallon	4/29/2024	MW-105-20240429	**5.47**	3.85 1.66 F1 H-12
	Farallon	8/27/2024	MW-105-20240827	**4.79**	**4.31**
Site-Specific Cleanup Level for Groundwater[2]				**4**	
MTCA Cleanup Levels for Groundwater[3]				**8[4]**	

Table 4
Groundwater Analytical Results for Arsenic
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Arsenic	Dissolved Arsenic
MW-107R	Landau	6/16/1999	AK50F	---	**8**
	Landau	12/16/1999	BD02G	---	**6**
	Landau	3/22/2000	BK98A	---	**6**
	Landau	6/14/2000	BT43G	---	**6**
	Landau	9/27/2000	CF72J	---	**5**
	Landau	12/20/2000	CP44D	---	**6**
	Landau	3/14/2001	CV96E	---	**7**
	Landau	3/14/2001*	CV96G	---	**8**
	Landau	6/22/2001	DH51H	---	**8**
	Landau	9/26/2001	DQ61E	---	**8**
	Landau	12/19/2001	DY69G	---	**7** J
	Landau	3/20/2002	EE79E	---	**7**
	Landau	6/19/2002	EM41F	---	**5**
	Landau	6/25/2003	FP47E/N	---	3
	Landau	6/9/2004	GS18C	---	**8**
	Landau	8/25/2009	PL85C	---	**4.4**
	Landau	06/19/2014	YO99C	---	4
	Landau	8/20/2019	19H0298	---	**4.95**
	Landau	8/20/2019*	19H0298	---	**4.88**
	Farallon	10/7/2021	MW-107R-20211007	**6.58**	**5.96**
	Farallon	4/29/2024	MW-107R-20240429	**6.02**	**5.90** **4.67** F1 H-12
	Farallon	8/27/2024	MW-107R-082724	**5.95**	**5.75**
Site-Specific Cleanup Level for Groundwater[2]				**4**	
MTCA Cleanup Levels for Groundwater[3]				**8[4]**	

Table 4
Groundwater Analytical Results for Arsenic
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
				Total Arsenic	Dissolved Arsenic
MW-108R	Landau	6/16/1999	AK50G	---	**10**
	Landau	12/16/1999	BD02K	---	4
	Landau	3/22/2000	BK98F	---	< 8
	Landau	6/14/2000	BT43H	---	**5**
	Landau	9/27/2000	CF72E	---	< 2
	Landau	12/20/2000	CP44G	---	**15**
	Landau	3/14/2001	CV96F	---	4
	Landau	6/22/2001	DH51A	---	**6**
	Landau	9/26/2001	DQ61F	---	4
	Landau	12/19/2001	DY69H	---	**9** J
	Landau	12/19/2001*	DY69I	---	**14** J
	Landau	3/20/2002	EE79F	---	**6**
	Landau	6/19/2002	EM41G	---	**5**
	Landau	6/25/2003	FP47I/R	---	< 2
	Landau	6/9/2004	GS18H	---	< 5
	Landau	8/24/2009	PL72C	---	< 2
	Landau	06/19/2014	YO99B	---	**7**
	Landau	06/19/2014*	YO99A	---	**7**
	Landau	8/21/2019	19H0324	---	< 1.00
	Farallon	4/29/2024	MW-108R-20240429	< 1.00	< 1.00
	Farallon	8/27/2024	MW-108R-20240827	< 1.00	< 1.00
Site-Specific Cleanup Level for Groundwater[2]				**4**	
MTCA Cleanup Levels for Groundwater[3]				**8[4]**	

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
* denotes sample is a field duplicate.

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8/6010/6020B.

[2]Site-specific groundwater cleanup levels from Table 1 of the Cleanup Action Plan for Union Station Property prepared by Landau Associates, Inc., July 28, 1997.

Farallon = Farallon Consulting, L.L.C.
F1 = sample was lab filtered and acid preserved prior to analysis
H12 = sample filtration performed >15 minutes after sample collection.
J = result is an estimate
Landau = Landau Associates, Inc.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[4]Puget Sound Basin background threshold value from *Natural Background Groundwater Arsenic Concentrations in Washington State, Study Results*, Washington State Department of Ecology, Publication No. 14-09-044, January 2022.

Table 5
Summary of Groundwater Analytical Results for
PAHs and PAH Homologs
Union Station Property Seattle, Washington Farallon
PN: 2644-001

	Sample Location	MW-101R		MW-107R	
	Sample Indentification	MW-101R-20240827		MW-107R-082724	
	Sample Date	8/27/2024		8/27/2024	
Parameter	**Site-Specific Cleanup Level for Groundwater [1]**				
Polyaromatic Hydrocarbons (PAHs) and PAH Homologs[3] (µg/L)					
cis-Decalin	**NE**	< 0.800		< 0.0748	
C1-Decalin	**NE**	< 4.00		< 0.374	
C2-Decalin	**NE**	< 4.00		< 0.374	
C3-Decalin	**NE**	< 8.00		< 0.748	
C4-Decalin	**NE**	< 8.00		< 0.748	
Naphthalene	**9,880**	445	B	< 0.150	
C1-Naphthalenes	**NE**	607		< 0.374	
C2-Naphthalenes	**NE**	93.9		< 0.374	
C3-Naphthalenes	**NE**	7.93		< 0.374	
C4-Naphthalenes	**NE**	<4.00		0.713	
Acenaphthene	**25,900**	159		26.1	B
Acenaphthylene	**NE**	< 1.20		1.94	
Dibenzofuran	**NE**	12.9		0.805	
Fluorene	**2,422**	57.3	B	3.62	B
C1-Fluorenes	**NE**	< 4.00		0.413	
C2-Fluorenes	**NE**	< 4.00		< 0.374	
C3-Fluorenes	**NE**	< 4.00		< 0.374	
Dibenzothiophene	**NE**	3.67		0.381	
C1-Dibenzothiophene	**NE**	< 4.00		0.399	
C2-Dibenzothiophene	**NE**	< 4.00		< 0.374	
C3-Dibenzothiophene	**NE**	< 4.00		< 0.374	
C4-Dibenzothiophene	**NE**	<8.00		<0.748	
Phenanthrene	**NE**	50.7		< 0.0748	
Anthracene	**25,900**	4.85		0.256	
C1-Phenanthrenes/Anthracenes	**NE**	5.96		< 0.374	
C2-Phenanthrenes/Anthracenes	**NE**	< 4.00		< 0.374	
C3-Phenanthrenes/Anthracenes	**NE**	< 4.00		< 0.374	
C4-Phenanthrenes/Anthracenes	**NE**	< 8.00		< 0.748	
Fluoranthene	**27.1**	4.75		0.514	
Pyrene	**777**	3.99		0.560	
C1-Fluoranthenes/Pyrenes	**NE**	< 4.00		< 0.374	
C2-Fluoranthenes/Pyrenes	**NE**	< 4.00		< 0.374	
C3-Fluoranthenes/Pyrenes	**NE**	< 4.00		< 0.374	
C4-Fluoranthenes/Pyrenes	**NE**	< 8.00		< 0.748	
Chrysene	**1.0**	< 0.400		< 0.0374	
Benzo(a)Anthracene	**1.0**	0.419	J	< 0.0374	
C1-Chrysenes/Benz(a)anthracenes	**NE**	< 4.00		< 0.374	
C2-Chrysenes/Benz(a)anthracenes	**NE**	< 4.00		< 0.374	
C3-Chrysenes/Benz(a)anthracenes	**NE**	< 4.00		< 0.374	
C4-Chrysenes/Benz(a)anthracenes	**NE**	< 8.00		< 0.748	
Benzo(b,j)fluoranthenes		<0.600		<0.0561	
Benzo(k)Fluoranthene	**1.0**	< 0.913		< 0.00949	
Benzo(a)Pyrene	**1.0**	< 0.913		< 0.00949	
Benzo(e)pyrene	**NE**	< 0.400		< 0.0374	
Perylene	**NE**	< 0.400		< 0.0374	
Indeno(1,2,3-cd)Pyrene	**1.0**	< 0.400		< 0.0374	
Dibenzo(a,h)Anthracene	**1.0**	< 0.913		< 0.00949	
Benzo(g,h,i)Perylene	**NE**	< 1.83		< 0.0190	
Total PAH & Homologs (µg/L)		1457.4		35.7	
Total PAH & Homologs / Total DRO (%)		48.6%		5.2%	

NOTES:
Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
[1]Analyzed by U.S. Environmental Protection Agency Method 8270E unless otherwise noted.
[2]Analyzed by U.S. Environmental Protection Agency Method 8270E unless otherwise noted.
[3]Site-specific groundwater cleanup levels from Table 1 of the Cleanup Action Plan for Union Station Property prepared by Landau Associates, Inc., July 28, 1997.

J = result is an estimate
B = analyte detected in associated method blank

Table 6
Groundwater Field Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	pH	Specific Conductance (µS/cm)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Ferrous Iron (mg/L)	Manganese (mg/L)	Dissolved Oxygen (mg/L)
B-4	Landau	6/16/1999	AK50J	NM	NM	NM	---	---	---	---
	Landau	12/16/1999	BD02I	NM	NM	NM	---	---	---	---
	Landau	3/22/2000	BK98J	NM	NM	NM	---	---	---	---
	Landau	6/14/2000	BT43J	6.78	1,288	16.6	---	---	---	---
	Landau	9/27/2000	CF72G	7.04	1,340	17.1	---	---	---	---
	Landau	12/20/2000	CP44A	6.68	1,500	14.6	---	---	---	---
	Landau	3/14/2001	CV96H	NM	NM	NM	---	---	---	---
	Landau	6/22/2001	DH51I	NM	NM	NM	---	---	---	---
	Landau	9/26/2001	DQ61G	NM	NM	NM	---	---	---	---
	Landau	12/19/2001	DY69A	NM	NM	NM	---	---	---	---
	Landau	3/20/2002	EE79H	NM	NM	NM	---	---	---	---
	Landau	6/19/2002	EM41H	NM	NM	NM	---	---	---	---
	Landau	6/25/2003	FP47G/P	NM	NM	NM	---	---	---	---
	Landau	6/9/2004	GS18I	NM	NM	NM	---	---	---	---
B-4R	Landau	8/25/2009	PL85B	7.36	1,398	15.01	---	---	---	---
	Landau	06/19/2014	YO99D	6.68	763	15.48	---	---	---	---
	Landau	8/20/2019	19H0298	6.97	741	16.7	-31.0	---	---	---
	Farallon	10/7/2021	B-4R-20211007	6.70	1,271	17.1	-69.5	---	---	---
	Farallon	4/29/2024	B-4R-20240429	6.84	814	16.0	-53.7	1.0	0.3	2.93
	Farallon	8/27/2024	B-4R-20240827	6.73	714	17.8	66.9	1.0	0.4	2.92
B-6	Landau	6/16/1999	AK50H	7.27	1,770	17.3	---	---	---	---
B-6R	Landau	12/16/1999	BD02H	6.76	1,440	16.9	---	---	---	---
	Landau	3/22/2000	BK98H	6.99	1,700	15.9	---	---	---	---
	Landau	3/22/2000*	BK98I	6.99	1,660	15.9	---	---	---	---
	Landau	6/14/2000	BT43I	7.18	1,301	16.9	---	---	---	---
	Landau	9/27/2000	CF72F	6.59	1,685	17.7	---	---	---	---
	Landau	12/20/2000	CP44H	6.19	2,693	14.5	---	---	---	---
	Landau	3/14/2001	CV96I	7.90	2,720	15.1	---	---	---	---
	Landau	6/22/2001	DH51D	6.66	1,698	16.8	---	---	---	---
	Landau	9/26/2001	DQ61H	6.75	2,370	16.1	---	---	---	---
	Landau	12/19/2001	DY69B	NM	NM	NM	---	---	---	---
	Landau	3/20/2002	EE79I	6.65	1,340	15.0	---	---	---	---
	Landau	3/20/2002*	EE79G	6.90	1,733	14.1	---	---	---	---
	Landau	6/19/2002	EM41I	6.95	1,348	16.1	---	---	---	---
	Landau	6/25/2003	FP47H/Q	7.06	1,708	16.8	---	---	---	---
	Landau	6/9/2004	GS18J	6.89	1,570	16.6	---	---	---	---
	Landau	8/25/2009	PL85A	7.39	2,392	15.5	---	---	---	---
	Landau	06/19/2014	YO99E	6.87	995	16.4	---	---	---	---
	Landau	8/20/2019	19H0298	6.92	1,061	16.4	35.8	---	---	---
	Farallon	10/7/2021	B-6R-20211007	6.66	1,647	16.4	-82.0	---	---	---
	Farallon	4/29/2024	B-6R-20240429	6.65	2,159	14.9	-50.6	3.5	0.0	0.55
	Farallon	8/27/2024	B-6R-082724	6.73	1,044	17.45	-43.6	2.5	0.2	0.47

Table 6
Groundwater Field Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	pH	Specific Conductance (µS/cm)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Ferrous Iron (mg/L)	Manganese (mg/L)	Dissolved Oxygen (mg/L)
MW-101R	Landau	6/16/1999	AK50A	6.13	2,200	14.3	---	---	---	---
	Landau	6/16/1999*	AK50B	6.13	2,200	14.3	---	---	---	---
	Landau	12/16/1999	BD02A	5.75	2,490	14.3	---	---	---	---
	Landau	3/22/2000	BK98G	6.83	3,680	12.9	---	---	---	---
	Landau	6/14/2000	BT43A	6.93	1,650	13.4	---	---	---	---
	Landau	9/27/2000	CF72H	6.65	2,410	16.6	---	---	---	---
	Landau	12/20/2000	CP44B	6.49	2,580	13.9	---	---	---	---
	Landau	3/14/2001	CV96A	7.46	1,918	12.8	---	---	---	---
	Landau	6/22/2001	DH51F	6.83	2,535	14.8	---	---	---	---
	Landau	6/22/2001*	DH51E	6.81	2,908	14.9	---	---	---	---
	Landau	9/26/2001	DQ61A	7.25	2,310	16.4	---	---	---	---
	Landau	12/19/2001	DY69C	NM	NM	NM	---	---	---	---
	Landau	3/20/2002	EE79A	6.70	2,540	14.2	---	---	---	---
	Landau	6/19/2002	EM41A	6.92	1,860	12.8	---	---	---	---
	Landau	6/19/2002*	EM41B	6.98	2,418	13.6	---	---	---	---
	Landau	6/25/2003	FP47A/J	6.96	1,510	14.8	---	---	---	---
	Landau	6/25/2003*	FP47F/O	6.96	1,510	14.8	---	---	---	---
	Landau	6/9/2004	GS18F	6.67	2,012	15.3	---	---	---	---
	Landau	6/9/2004*	GS18G	6.67	2,012	15.3	---	---	---	---
	Landau	8/24/2009	PL72A	6.88	2,899	15.0	---	---	---	---
	Landau	8/24/2009*	PL72E	6.88	2,899	15.0	---	---	---	---
	Landau	06/18/2014	YO69E	8.15	2,405	14.3	---	---	---	---
	Landau	8/21/2019	19H0324	6.74	2,276	17.4	-43.3	---	---	---
	Farallon	10/7/2021	MW-101R-20211007	6.47	2,179	16.6	-240.1	---	---	---
	Farallon	4/29/2024	MW-101R-20240429	6.86	1,000	13.7	-37.8	2.0	0.8	0.49
	Farallon	8/27/2024	MW-101R-20240827	6.68	1,754	16.6	-87.2	4.5	1.0	0.35
MW-102R	Landau	6/16/1999	AK50C	6.41	3,420	15.1	---	---	---	---
	Landau	12/16/1999	BD02C	5.85	2,990	15.1	---	---	---	---
	Landau	12/16/1999*	BD02B	5.85	2,990	15.2	---	---	---	---
	Landau	3/22/2000	BK98D	6.89	3,960	14.1	---	---	---	---
	Landau	6/14/2000	BT43B	7.11	3,010	14.8	---	---	---	---
	Landau	6/14/2000*	BT43E	7.11	3,010	14.8	---	---	---	---
	Landau	9/27/2000	CF72A	6.76	3,470	17.3	---	---	---	---
	Landau	12/20/2000	CP44E	6.02	3,750	15.1	---	---	---	---
	Landau	12/20/2000*	CP44I	6.02	3,740	15.1	---	---	---	---
	Landau	3/14/2001	CV96B	7.23	3,920	14.5	---	---	---	---
	Landau	6/22/2001	DH51B	6.60	3,875	16.0	---	---	---	---
	Landau	9/26/2001	DQ61B	6.53	3,750	16.2	---	---	---	---
	Landau	9/26/2001*	DQ61I	6.53	3,750	16.1	---	---	---	---
	Landau	12/19/2001	DY69D	6.47	3,740	15.1	---	---	---	---
	Landau	3/20/2002	EE79B	6.64	3,090	14.2	---	---	---	---
	Landau	6/19/2002	EM41C	6.70	3,753	15.0	---	---	---	---
	Landau	6/25/2003	FP47B/K	6.80	2,710	15.6	---	---	---	---
	Landau	6/9/2004	GS18E	6.65	2,415	15.9	---	---	---	---
	Landau	8/24/2009	PL72B	6.43	3,262	16.2	---	---	---	---
	Landau	06/18/2014	YO69D	8.33	2,391	15.3	---	---	---	---
	Landau	8/21/2019	19H0324	6.90	2,725	17.6	-51.3	---	---	---
	Farallon	10/7/2021	MW-102R-20211007	6.45	3,589	17.6	-42.2	---	---	---
	Farallon	4/29/2024	MW-102R-20240429	6.57	3,280	14.6	-39.8	3.5	0.8	0.48
	Farallon	8/27/2024	MW-102R-08272024	6.62	3,159	16.4	-81.2	1	0.8	0.52

Table 6
Groundwater Field Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	pH	Specific Conductance (µS/cm)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Ferrous Iron (mg/L)	Manganese (mg/L)	Dissolved Oxygen (mg/L)
MW-104	Landau	6/16/1999	AK50E	6.98	1,070	16.7	---	---	---	---
	Landau	12/16/1999	BD02E	5.75	832	25.5	---	---	---	---
	Landau	3/22/2000	BK98B	7.23	1,020	14.1	---	---	---	---
	Landau	6/14/2000	BT43D	7.17	814	15.1	---	---	---	---
	Landau	9/27/2000	CF72C	6.94	8,635	16.8	---	---	---	---
	Landau	12/20/2000	CP44F	6.86	990	15.3	---	---	---	---
	Landau	3/14/2001	CV96C	7.59	1,170	13.1	---	---	---	---
	Landau	6/22/2001	DH51C	6.74	955	14.7	---	---	---	---
	Landau	9/26/2001	DQ61C	7.26	1,020	16.5	---	---	---	---
	Landau	12/19/2001	DY69E	6.82	1,270	13.2	---	---	---	---
	Landau	3/20/2002	EE79C	7.27	920	11.4	---	---	---	---
	Landau	6/19/2002	EM41D	7.32	1,088	14.6	---	---	---	---
	Landau	6/25/2003	FP47C/L	7.26	641	15.4	---	---	---	---
	Landau	6/9/2004	GS18B	6.86	930	15.2	---	---	---	---
	Landau	8/24/2009	PL72D	7.88	1,314	16.6	---	---	---	---
	Landau	06/18/2014	YO69B	8.13	724	15.9	---	---	---	---
	Landau	8/21/2019	19H0324	6.92	701	18.2	-89.4	---	---	---
	Farallon	4/29/2024	MW-104-20240429	7.18	711	15.9	-94.4	0.0	0.0	0.52
	Farallon	8/27/2024	MW-104-082724	7.07	676	17.1	-82.3	1.0	0.0	0.56
MW-105	Landau	6/16/1999	AK50I	5.95	4,850	17.7	---	---	---	---
	Landau	12/16/1999	BD02F	5.47	3,740	16.2	---	---	---	---
	Landau	3/22/2000	BK98C	6.97	6,480	16.0	---	---	---	---
	Landau	6/14/2000	BT43F	6.84	4,660	17.0	---	---	---	---
	Landau	9/27/2000	CF72I	6.62	6,043	18.4	---	---	---	---
	Landau	9/27/2000*	CF72D	6.62	6,043	18.4	---	---	---	---
	Landau	12/20/2000	CP44C	6.74	5,205	17.0	---	---	---	---
	Landau	3/14/2001	CV96D	7.26	7,310	15.8	---	---	---	---
	Landau	6/22/2001	DH51G	7.01	7,525	17.6	---	---	---	---
	Landau	9/26/2001	DQ61D	6.72	6,230	18.9	---	---	---	---
	Landau	12/19/2001	DY69F	6.73	5,850	16.6	---	---	---	---
	Landau	3/20/2002	EE79D	6.87	5,460	15.8	---	---	---	---
	Landau	6/19/2002	EM41E	6.94	6,830	17.0	---	---	---	---
	Landau	6/25/2003	FP47D/M	7.08	6,610	17.3	---	---	---	---
	Landau	6/9/2004	GS18D	7	5,262	17.2	---	---	---	---
	Landau	8/25/2009	PL85D	NM	NM	NM	---	---	---	---
	Landau	06/18/2014	YO69C	8.34	4,239	17.7	---	---	---	---
	Landau	8/21/2019	19H0324	7.06	6,446	18.3	-40.3	---	---	---
	Farallon	10/7/2021	MW-105-20211007	6.53	4,002	18.7	-217.5	---	---	---
	Farallon	4/29/2024	MW-105-20240429	6.88	4,946	16.5	-104.1	2.5	0.4	0.38
	Farallon	8/27/2024	MW-105-20240827	7.11	6,662	18.4	-99.4	2.5	0.0	0.34

Table 6
Summary of Groundwater Field Parameters
Union Station Property Seattle, Washington Farallon
PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	pH	Specific Conductance (µS/cm)	Temperature (°C)	Oxidation-Reduction Potential (mV)	Ferrous Iron (mg/L)	Manganese (mg/L)	Dissolved Oxygen (mg/L)
MW-107R	Landau	6/16/1999	AK50F	6.42	4,190	13.4	---	---	---	---
	Landau	12/16/1999	BD02G	6.02	5,070	13.5	---	---	---	---
	Landau	3/22/2000	BK98A	6.94	3,520	12.3	---	---	---	---
	Landau	6/14/2000	BT43G	7.22	1,840	13.1	---	---	---	---
	Landau	9/27/2000	CF72J	6.74	3,778	14.4	---	---	---	---
	Landau	12/20/2000	CP44D	6.29	3,423	13.2	---	---	---	---
	Landau	3/14/2001	CV96E	8.22	4,350	12.3	---	---	---	---
	Landau	3/14/2001*	CV96G	8.24	4,350	12.3	---	---	---	---
	Landau	6/22/2001	DH51H	6.84	3,550	13.6	---	---	---	---
	Landau	9/26/2001	DQ61E	7.31	2,900	14.6	---	---	---	---
	Landau	12/19/2001	DY69G	6.79	3,710	12.4	---	---	---	---
	Landau	3/20/2002	EE79E	6.85	2,780	11.9	---	---	---	---
	Landau	6/19/2002	EM41F	6.90	3,303	13.0	---	---	---	---
	Landau	6/25/2003	FP47E/N	6.94	2,630	14.0	---	---	---	---
	Landau	6/9/2004	GS18C	6.85	2,792	14.0	---	---	---	---
	Landau	8/25/2009	PL85C	7.36	3,107	13.1	---	---	---	---
	Landau	06/19/2014	YO99C	6.67	1,208	13.0	---	---	---	---
	Landau	8/20/2019	19H0298	6.73	1,222	13.7	-47.0	---	---	---
	Landau	8/20/2019*	19H0298	6.73	1,223	13.7	-50.4	---	---	---
	Farallon	10/7/2021	MW-107R-20211007	6.67	2,227	14.3	-113.4	---	---	---
	Farallon	4/29/2024	MW-107R-20240429	7.05	996	12.5	3.9	1.5	0.2	0.63
	Farallon	8/27/2024	MW-107R-082724	6.81	1,602	14.2	-58.6	2	0.0	0.36
MW-108R	Landau	6/16/1999	AK50G	6.06	1,933	14.0	---	---	---	---
	Landau	12/16/1999	BD02K	5.19	1,830	14.1	---	---	---	---
	Landau	3/22/2000	BK98F	6.70	1,970	13.1	---	---	---	---
	Landau	6/14/2000	BT43H	6.59	1,710	14.0	---	---	---	---
	Landau	9/27/2000	CF72E	6.35	15,125	15.0	---	---	---	---
	Landau	12/20/2000	CP44G	6.67	19,350	14.5	---	---	---	---
	Landau	3/14/2001	CV96F	7.12	19,675	13.2	---	---	---	---
	Landau	6/22/2001	DH51A	6.72	18,925	15.0	---	---	---	---
	Landau	9/26/2001	DQ61F	7.39	18,800	16.2	---	---	---	---
	Landau	12/19/2001	DY69H	6.76	19,300	13.6	---	---	---	---
	Landau	12/19/2001*	DY69I	6.77	19,300	13.4	---	---	---	---
	Landau	3/20/2002	EE79F	6.72	1,800	13.1	---	---	---	---
	Landau	6/19/2002	EM41G	6.73	2,548	14.4	---	---	---	---
	Landau	6/25/2003	FP47I/R	6.71	21,100	15.2	---	---	---	---
	Landau	6/9/2004	GS18H	6.76	11,900	15.4	---	---	---	---
	Landau	8/24/2009	PL72C	6.45	16,760	15.5	---	---	---	---
	Landau	06/19/2014	YO99B	6.62	12,780	16.1	---	---	---	---
	Landau	06/19/2014*	YO99A	6.62	12,748	16.1	---	---	---	---
	Landau	8/21/2019	19H0324	7.06	14,461	17.5	-40.6	---	---	---
	Farallon	4/29/2024	MW-108R-20240429	6.84	8,585	15.0	-6.5	1.0	0.0	0.48
	Farallon	8/27/2024	MW-108R-20240827	6.65	13,454	17.0	-76.9	3.0	0.0	0.31

NOTES:
* denotes sample is a field duplicate.
Measurements collected in the field with a multi-parameter water quality meter.

Farallon = Farallon Consulting, L.L.C.
J = result is an estimate
Landau = Landau Associates, Inc.
mg/L = milligrams per liter
mV = millivolts
NM = not measured
µS/cm = microsiemens per centimeter

Table 7
Summary of Groundwater Monitored Natural Attenuation Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	Total Dissolved Solids (mg/L)[1]	Total Suspended Solids (mg/L)[2]	Alkalinity (mg $CaCO_3$/L)[3]	Bicarbonate Alkalinity (mg $CaCO_3$/L)[3]	Carbonate Alkalinity (mg $CaCO_3$/L)[3]	Hydroxide Alkalinity (mg $CaCO_3$/L)[3]	Nitrate (mg/L)[4]	Sulfate (mg/L)[4]	Methane mg/L)[5]
B-4	Landau	6/16/1999	AK50J	730	63	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02I	820	680	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98J	720	930	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43J	NM	NM	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72G	670	620	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44A	750	440	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96H	820 J	1,800	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51I	810 J	1,000 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61G	780 J	400	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69A	770	1,400 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79H	740	920	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41H	790	680	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47G/P	790	270	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18I	751	938	---	---	---	---	---	---	---
B-4R	Landau	8/25/2009	PL85B	538	8,300	---	---	---	---	---	---	---
	Landau	06/19/2014	YO99D	498	4,130	---	---	---	---	---	---	---
	Landau	8/20/2019	19H0298	530	4,600	---	---	---	---	---	---	---
	Farallon	10/7/2021	B-4R-20211007	---	---	---	---	---	---	---	---	---
	Farallon	4/29/2024	B-4R-20240429	494	5.00 T	380	380	< 20.0	< 20.0	< 0.250	< 1.00	3.5
	Farallon	8/27/2024	B-4R-20240827	451	65.0 B	361	361	< 20.0	< 20.0	< 0.250	< 1.00	4,400
B-6	Landau	6/16/1999	AK50H	890	14	---	---	---	---	---	---	---
B-6R	Landau	12/16/1999	BD02H	830	680	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98H	900	460	---	---	---	---	---	---	---
	Landau	3/22/2000*	BK98I	900	460	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43I	820 J	890	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72F	1000	1,600	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44H	800	1,500	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96I	1,100 J	2,400	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51D	1,200 J	370 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61H	1,100 J	500	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69B	780	1,400 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79I	780 J	360 J	---	---	---	---	---	---	---
	Landau	3/20/2002*	EE79G	1,100 J	790 J	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41I	890	1,100	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47H/Q	790	430	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18J	923	940	---	---	---	---	---	---	---
	Landau	8/25/2009	PL85A	891	1,040	---	---	---	---	---	---	---
	Landau	06/19/2014	YO99E	518	927	---	---	---	---	---	---	---
	Landau	8/20/2019	19H0298	666	324	---	---	---	---	---	---	---
	Farallon	10/7/2021	B-6R-20211007	---	---	---	---	---	---	---	---	---
	Farallon	4/29/2024	B-6R-20240429	1,180	31.0	976	976	< 20.0	< 20.0	< 0.250	< 1.00	11
	Farallon	8/27/2024	B-6R-082724	663	13.0 T	531	531	< 20.0	< 20.0	0.638	< 1.00	7,500

Table 7
Monitored Natural Attenuation Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	Total Dissolved Solids (mg/L)[1]	Total Suspended Solids (mg/L)[2]	Alkalinity (mg $CaCO_3$/L)[3]	Bicarbonate Alkalinity (mg $CaCO_3$/L)[3]	Carbonate Alkalinity (mg $CaCO_3$/L)[3]	Hydroxide Alkalinity (mg $CaCO_3$/L)[3]	Nitrate (mg/L)[4]	Sulfate (mg/L)[4]	Methane mg/L)[5]
MW-101R	Landau	6/16/1999	AK50A	1,300	80	---	---	---	---	---	---	---
	Landau	6/16/1999*	AK50B	1,300	76	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02A	1,400	120	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98G	1,300	120	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43A	1,100 J	79	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72H	960	85	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44B	1,100	74	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96A	1,000 J	76	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51F	1,000 J	76 J	---	---	---	---	---	---	---
	Landau	6/22/2001*	DH51E	1,100 J	98 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61A	1,000 J	79	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69C	1,100	65 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79A	970	71	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41A	1,000	72	---	---	---	---	---	---	---
	Landau	6/19/2002*	EM41B	1,000	72	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47A/J	960	79	---	---	---	---	---	---	---
	Landau	6/25/2003*	FP47F/O	950	78	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18F	1,250	284 J	---	---	---	---	---	---	---
	Landau	6/9/2004*	GS18G	1,390	90.1 J	---	---	---	---	---	---	---
	Landau	8/24/2009	PL72A	1,130	60.4	---	---	---	---	---	---	---
	Landau	8/24/2009*	PL72E	1,080	59.3	---	---	---	---	---	---	---
	Landau	06/18/2014	YO69E	1,610	357	---	---	---	---	---	---	---
	Landau	8/21/2019	19H0324	1,480	459	---	---	---	---	---	---	---
	Farallon	10/7/2021	MW-101R-20211007	---	---	---	---	---	---	---	---	---
	Farallon	4/29/2024	MW-101R-20240429	996	48.0	782	782	< 20.0	< 20.0	< 0.250	< 1.00	8.3
	Farallon	8/27/2024	MW-101R-20240827	1,050	79.0 B	816	816	< 20.0	< 20.0	< 0.250	< 1.00	10,000
MW-102R	Landau	6/16/1999	AK50C	1,500	43	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02C	1,700	57	---	---	---	---	---	---	---
	Landau	12/16/1999*	BD02B	1,600	58	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98D	1,800	65	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43B	1,900 J	60	---	---	---	---	---	---	---
	Landau	6/14/2000*	BT43E	1,900 J	62	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72A	1,900	74	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44E	1,800	56	---	---	---	---	---	---	---
	Landau	12/20/2000*	CP44I	1,700	54	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96B	2,100 J	53	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51B	2,100 J	67 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61B	2,100 J	72	---	---	---	---	---	---	---
	Landau	9/26/2001*	DQ61I	2,000 J	83	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69D	1,900	61 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79B	1,800	51	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41C	1,900	41	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47B/K	1,500	51	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18E	1,590	40.6	---	---	---	---	---	---	---
	Landau	8/24/2009	PL72B	1,700	45.5	---	---	---	---	---	---	---
	Landau	06/18/2014	YO69D	1,530	53.4	---	---	---	---	---	---	---
	Landau	8/21/2019	19H0324	1,630	98	---	---	---	---	---	---	---
	Farallon	10/7/2021	MW-102R-20211007	---	---	---	---	---	---	---	---	---
	Farallon	4/29/2024	MW-102R-20240429	1,860	18.0 T	769	769	< 20.0	< 20.0	< 0.250	< 1.00	8.4
	Farallon	8/27/2024	MW-102R-08272024	1,720	35.0	729	729	< 20.0	< 20.0	< 0.250	< 1.00	9,700

Table 7
Monitored Natural Attenuation Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	Total Dissolved Solids (mg/L)[1]	Total Suspended Solids (mg/L)[2]	Alkalinity (mg $CaCO_3$/L)[3]	Bicarbonate Alkalinity (mg $CaCO_3$/L)[3]	Carbonate Alkalinity (mg $CaCO_3$/L)[3]	Hydroxide Alkalinity (mg $CaCO_3$/L)[3]	Nitrate (mg/L)[4]	Sulfate (mg/L)[4]	Methane mg/L)[5]
MW-104	Landau	6/16/1999	AK50E	600	16	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02E	600	41	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98B	560	16	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43D	600 J	9.3	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72C	510	18	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44F	450	25	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96C	570 J	12	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51C	550 J	19 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61C	530 J	5.1	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69E	550	11 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79C	530	19	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41D	530	4.9	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47C/L	510	6.2	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18B	500	7.9	---	---	---	---	---	---	---
	Landau	8/24/2009	PL72D	502	14.8	---	---	---	---	---	---	---
	Landau	06/18/2014	YO69B	455	4,630	---	---	---	---	---	---	---
	Landau	8/21/2019	19H0324	437	17	---	---	---	---	---	---	---
	Farallon	4/29/2024	MW-104-20240429	425	< 5.00 T	330	330	< 20.0	< 20.0	< 0.250	4.72	8.5
	Farallon	8/27/2024	MW-104-082724	401	10.0 T	316	316	< 20.0	< 20.0	< 0.250	3.72	9,100
MW-105	Landau	6/16/1999	AK50I	2,400	65	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02F	2,100	140	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98C	2,800	73	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43F	3,900 J	87	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72I	3,400	80	---	---	---	---	---	---	---
	Landau	9/27/2000*	CF72D	3,400	78	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44C	2,200	66	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96D	3,400 J	83	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51G	3,200 J	85 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61D	3,400 J	100	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69F	2,700	110 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79D	2,700	97	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41E	3,300	88	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47D/M	2,400	98	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18D	3,510	44.9	---	---	---	---	---	---	---
	Landau	8/25/2009	PL85D	3,100	91.1	---	---	---	---	---	---	---
	Landau	06/18/2014	YO69C	2,800	996	---	---	---	---	---	---	---
	Landau	8/21/2019	19H0324	3,860	46	---	---	---	---	---	---	---
	Farallon	10/7/2021	MW-105-20211007	---	---	---	---	---	---	---	---	---
	Farallon	4/29/2024	MW-105-20240429	2,990	7.00 T	1,270	1,270	< 20.0	< 20.0	< 0.250	< 1.00	8.4
	Farallon	8/27/2024	MW-105-20240827	2610	8.00 T	1,800	1800	< 20.0	< 20.0	< 0.250	< 1.00	7,300

Table 7
Monitored Natural Attenuation Parameters
Union Station Property
Seattle, Washington
Farallon PN: 2644-001

Sample Location	Measured By	Sample Date	Sample Identification	Total Dissolved Solids (mg/L)[1]	Total Suspended Solids (mg/L)[2]	Alkalinity (mg $CaCO_3$/L)[3]	Bicarbonate Alkalinity (mg $CaCO_3$/L)[3]	Carbonate Alkalinity (mg $CaCO_3$/L)[3]	Hydroxide Alkalinity (mg $CaCO_3$/L)[3]	Nitrate (mg/L)[4]	Sulfate (mg/L)[4]	Methane mg/L)[5]
MW-107R	Landau	6/16/1999	AK50F	2,400	62	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02G	2,000	84	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98A	1,800	62	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43G	2,000 J	54	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72J	1,800	49	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44D	1,700	59	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96E	1,900 J	56	---	---	---	---	---	---	---
	Landau	3/14/2001*	CV96G	1,800 J	53	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51H	1,900 J	65 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61E	1,300 J	63	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69G	1,700	53 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79E	1,500	46	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41F	1,800	48	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47E/N	1,500	53	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18C	1,550	45.8	---	---	---	---	---	---	---
	Landau	8/25/2009	PL85C	1,250	38.4	---	---	---	---	---	---	---
	Landau	06/19/2014	YO99C	917	28.6	---	---	---	---	---	---	---
	Landau	8/20/2019	19H0298	900	32	---	---	---	---	---	---	---
	Landau	8/20/2019*	19H0298	909	30	---	---	---	---	---	---	---
	Farallon	10/7/2021	MW-107R-20211007	---	---	---	---	---	---	---	---	---
	Farallon	4/29/2024	MW-107R-20240429	1,020	9.00 T	794	794	< 20.0	< 20.0	< 0.250	< 1.00	13
	Farallon	8/27/2024	MW-107R-082724	1020	9.00 T	775	775	< 20.0	< 20.0	< 0.250	< 1.00	12,000
MW-108R	Landau	6/16/1999	AK50G	10,000	86	---	---	---	---	---	---	---
	Landau	12/16/1999	BD02K	10,000	110	---	---	---	---	---	---	---
	Landau	3/22/2000	BK98F	12,000	99	---	---	---	---	---	---	---
	Landau	6/14/2000	BT43H	10,000 J	89	---	---	---	---	---	---	---
	Landau	9/27/2000	CF72E	9,300	97	---	---	---	---	---	---	---
	Landau	12/20/2000	CP44G	9,800	84	---	---	---	---	---	---	---
	Landau	3/14/2001	CV96F	11,000 J	88	---	---	---	---	---	---	---
	Landau	6/22/2001	DH51A	11,000 J	130 J	---	---	---	---	---	---	---
	Landau	9/26/2001	DQ61F	11,000 J	99	---	---	---	---	---	---	---
	Landau	12/19/2001	DY69H	9,900	130 J	---	---	---	---	---	---	---
	Landau	12/19/2001*	DY69I	9,800	94 J	---	---	---	---	---	---	---
	Landau	3/20/2002	EE79F	10,000	87	---	---	---	---	---	---	---
	Landau	6/19/2002	EM41G	10,000	84	---	---	---	---	---	---	---
	Landau	6/25/2003	FP47I/R	11,000	86	---	---	---	---	---	---	---
	Landau	6/9/2004	GS18H	8,970	79.1	---	---	---	---	---	---	---
	Landau	8/24/2009	PL72C	9,040	60.1	---	---	---	---	---	---	---
	Landau	06/19/2014	YO99B	5,760	135	---	---	---	---	---	---	---
	Landau	06/19/2014*	YO99A	6,400	136	---	---	---	---	---	---	---
	Landau	8/21/2019	19H0324	9,340	167	---	---	---	---	---	---	---
	Farallon	4/29/2024	MW-108R-20240429	12,100	41.0	2,850	2,850	< 20.0	< 20.0	< 0.250	< 1.00	3.9
	Farallon	8/27/2024	MW-108R-20240827	7,100	39.0	2790	2,790	< 20.0	< 20.0	3.50 J	< 1.00	4,200

NOTES:
* denotes sample is a field duplicate.
[1]Analyzed by Standard Method 2540C.
[2]Analyzed by Standard Method 2540D.
[3]Analyzed by Standard Method 2320B.
[4]Analyzed by US Environmental Protection Agency (EPA) Method 300.0
[5]Analyzed by EPA Method RSK 175.

B = analyte detected in associated method blank
mg $CaCO_3$/L = milligrams calcium carbonate per liter
J = result is an estimate
mg/L = milligrams per liter
T = dried residue was less than 2.5mg specified in method

ATTACHMENT A
LABORATORY ANALYTICAL RESULTS

AUGUST 2024 GROUNDWATER
MONITORING PROGRESS REPORT
Union Station Property
411 South Jackson Street
Seattle, Washington

Farallon PN: 2644-001

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

ANALYTICAL REPORT

Friday, September 27, 2024

James Welles
Farallon Consulting - Bellevue
13555 SE 36th Street, Suite 320
Bellevue, WA 98006

RE: A4H1527 - Union Station - 2644-001

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 A4H1527, which was received by the laboratory on 8/28/2024 at 1:42:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: cobrien@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)					
Cooler #1	2.6	degC	Cooler #2	0.6	degC
Cooler #3	4.6	degC	Cooler #4	2.3	degC

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

Apex Laboratories

Cameron O'Brien, Project Manager

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.

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

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-108R-20240827	A4H1527-01	Water	08/27/24 11:40	08/28/24 13:42
MW-105-20240827	A4H1527-02	Water	08/27/24 13:30	08/28/24 13:42
MW-101R-20240827	A4H1527-03	Water	08/27/24 15:05	08/28/24 13:42
B-4R-20240827	A4H1527-04	Water	08/27/24 18:10	08/28/24 13:42
MW-102R-08272024	A4H1527-05	Water	08/27/24 11:17	08/28/24 13:42
MW-104-082724	A4H1527-06	Water	08/27/24 12:47	08/28/24 13:42
MW-107R-082724	A4H1527-07	Water	08/27/24 14:43	08/28/24 13:42
B-6R-082724	A4H1527-08	Water	08/27/24 16:50	08/28/24 13:42

Apex Laboratories

Cameron O'Brien, Project Manager

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.

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

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL CASE NARRATIVE

Work Order: **A4H1527** **Apex Laboratories**

Subcontract

This report is complete only if it includes the attached subcontract laboratory report from Air Technology Laboratories .

Cameron O'Brien
Project Manager

Apex Laboratories

Cameron O'Brien, Project Manager

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.

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

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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
MW-108R-20240827 (A4H1527-01)				**Matrix: Water**		**Batch: 24I0016**		
Diesel	**131**	---	78.4	ug/L	1	09/04/24 08:12	NWTPH-Dx LL	**F-13**
Oil	ND	---	157	ug/L	1	09/04/24 08:12	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 91 %*		*Limits: 50-150 %*	*1*	*09/04/24 08:12*	*NWTPH-Dx LL*	
MW-105-20240827 (A4H1527-02RE1)				**Matrix: Water**		**Batch: 24I0016**		**PRES**
Diesel	**482**	---	77.7	ug/L	1	09/04/24 10:29	NWTPH-Dx LL	**F-13**
Oil	ND	---	155	ug/L	1	09/04/24 10:29	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 85 %*		*Limits: 50-150 %*	*1*	*09/04/24 10:29*	*NWTPH-Dx LL*	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**		**Batch: 24H1121**		
Diesel	**3000**	---	76.9	ug/L	1	08/31/24 00:18	NWTPH-Dx LL	**F-13**
Oil	ND	---	154	ug/L	1	08/31/24 00:18	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*08/31/24 00:18*	*NWTPH-Dx LL*	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**		**Batch: 24H1121**		
Diesel	**276**	---	76.2	ug/L	1	08/31/24 01:06	NWTPH-Dx LL	**F-13**
Oil	ND	---	152	ug/L	1	08/31/24 01:06	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 88 %*		*Limits: 50-150 %*	*1*	*08/31/24 01:06*	*NWTPH-Dx LL*	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**		**Batch: 24I0225**		
Diesel	**211**	---	76.9	ug/L	1	09/10/24 03:48	NWTPH-Dx LL	**F-13**
Oil	ND	---	154	ug/L	1	09/10/24 03:48	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 73 %*		*Limits: 50-150 %*	*1*	*09/10/24 03:48*	*NWTPH-Dx LL*	
MW-104-082724 (A4H1527-06)				**Matrix: Water**		**Batch: 24I0225**		
Diesel	**145**	---	76.2	ug/L	1	09/10/24 04:09	NWTPH-Dx LL	**F-13**
Oil	ND	---	152	ug/L	1	09/10/24 04:09	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 60 %*		*Limits: 50-150 %*	*1*	*09/10/24 04:09*	*NWTPH-Dx LL*	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**		**Batch: 24H1121**		
Diesel	**693**	---	78.4	ug/L	1	08/31/24 01:53	NWTPH-Dx LL	**F-13**
Oil	ND	---	157	ug/L	1	08/31/24 01:53	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 91 %*		*Limits: 50-150 %*	*1*	*08/31/24 01:53*	*NWTPH-Dx LL*	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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
B-6R-082724 (A4H1527-08)				**Matrix: Water**		**Batch: 24H1121**		
Diesel	**83.8**	---	74.8	ug/L	1	08/30/24 21:57	NWTPH-Dx LL	
Oil	ND	---	150	ug/L	1	08/30/24 21:57	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 73 %*		*Limits: 50-150 %*	*1*	*08/30/24 21:57*	*NWTPH-Dx LL*	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**		**Batch: 24I0646**		
Diesel	**2250**	---	76.9	ug/L	1	09/21/24 03:34	NWTPH-Dx/SGC	**F-17**
Oil	ND	---	154	ug/L	1	09/21/24 03:34	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		*Recovery: 95 %*		*Limits: 50-150 %*	*1*	*09/21/24 03:34*	*NWTPH-Dx/SGC*	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**		**Batch: 24I0646**		
Diesel	ND	---	78.4	ug/L	1	09/21/24 03:58	NWTPH-Dx/SGC	
Oil	ND	---	157	ug/L	1	09/21/24 03:58	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		*Recovery: 75 %*		*Limits: 50-150 %*	*1*	*09/21/24 03:58*	*NWTPH-Dx/SGC*	

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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
MW-108R-20240827 (A4H1527-01RE1)				**Matrix: Water**		**Batch: 24I0307**		**H-01**
Gasoline Range Organics	ND	---	100	ug/L	1	09/11/24 11:20	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*	*Limits: 50-150 %*		*1*	*09/11/24 11:20*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*112 %*	*50-150 %*	*1*	*09/11/24 11:20*	*NWTPH-Gx (MS)*	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**		**Batch: 24I0209**		**V-01**
Gasoline Range Organics	**897**	---	100	ug/L	1	09/09/24 14:20	NWTPH-Gx (MS)	**F-03**
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*	*Limits: 50-150 %*		*1*	*09/09/24 14:20*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*09/09/24 14:20*	*NWTPH-Gx (MS)*	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**		**Batch: 24I0209**		
Gasoline Range Organics	**4660**	---	100	ug/L	1	09/09/24 14:41	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*	*Limits: 50-150 %*		*1*	*09/09/24 14:41*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*	*1*	*09/09/24 14:41*	*NWTPH-Gx (MS)*	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**		**Batch: 24I0209**		
Gasoline Range Organics	**105**	---	100	ug/L	1	09/09/24 15:24	NWTPH-Gx (MS)	**F-03**
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*	*Limits: 50-150 %*		*1*	*09/09/24 15:24*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*89 %*	*50-150 %*	*1*	*09/09/24 15:24*	*NWTPH-Gx (MS)*	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**		**Batch: 24I0209**		
Gasoline Range Organics	ND	---	100	ug/L	1	09/09/24 15:45	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*	*Limits: 50-150 %*		*1*	*09/09/24 15:45*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*90 %*	*50-150 %*	*1*	*09/09/24 15:45*	*NWTPH-Gx (MS)*	
MW-104-082724 (A4H1527-06)				**Matrix: Water**		**Batch: 24I0209**		
Gasoline Range Organics	ND	---	100	ug/L	1	09/09/24 16:06	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 92 %*	*Limits: 50-150 %*		*1*	*09/09/24 16:06*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*93 %*	*50-150 %*	*1*	*09/09/24 16:06*	*NWTPH-Gx (MS)*	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**		**Batch: 24I0209**		
Gasoline Range Organics	**1260**	---	100	ug/L	1	09/09/24 16:28	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*	*Limits: 50-150 %*		*1*	*09/09/24 16:28*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*93 %*	*50-150 %*	*1*	*09/09/24 16:28*	*NWTPH-Gx (MS)*	

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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
B-6R-082724 (A4H1527-08)				**Matrix: Water**		**Batch: 24I0209**		
Gasoline Range Organics	ND	---	100	ug/L	1	09/09/24 17:10	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*91 %*	*Limits: 50-150 %*	*1*	*09/09/24 17:10*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*92 %*	*50-150 %*	*1*	*09/09/24 17:10*	*NWTPH-Gx (MS)*	

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01RE1)				**Matrix: Water**		**Batch: 24I0307**		**H-01**
Benzene	ND	---	0.200	ug/L	1	09/11/24 11:20	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/11/24 11:20	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/11/24 11:20	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	09/11/24 11:20	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	09/11/24 11:20	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/11/24 11:20	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*09/11/24 11:20*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*09/11/24 11:20*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*09/11/24 11:20*	*EPA 8260D*	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**		**Batch: 24I0209**		**V-01**
Benzene	**159**	---	0.200	ug/L	1	09/09/24 14:20	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/24 14:20	EPA 8260D	
Ethylbenzene	**0.760**	---	0.500	ug/L	1	09/09/24 14:20	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	09/09/24 14:20	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	09/09/24 14:20	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/09/24 14:20	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*09/09/24 14:20*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*09/09/24 14:20*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*09/09/24 14:20*	*EPA 8260D*	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**		**Batch: 24I0209**		
Benzene	**78.7**	---	0.200	ug/L	1	09/09/24 14:41	EPA 8260D	
Toluene	**1.46**	---	1.00	ug/L	1	09/09/24 14:41	EPA 8260D	
Ethylbenzene	**81.8**	---	0.500	ug/L	1	09/09/24 14:41	EPA 8260D	
m,p-Xylene	**8.25**	---	1.00	ug/L	1	09/09/24 14:41	EPA 8260D	
o-Xylene	**10.3**	---	0.500	ug/L	1	09/09/24 14:41	EPA 8260D	
Xylenes, total	**18.6**	---	1.50	ug/L	1	09/09/24 14:41	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*09/09/24 14:41*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*09/09/24 14:41*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*09/09/24 14:41*	*EPA 8260D*	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**		**Batch: 24I0209**		
Benzene	ND	---	0.200	ug/L	1	09/09/24 15:24	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/24 15:24	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/09/24 15:24	EPA 8260D	

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B-4R-20240827 (A4H1527-04)				**Matrix: Water**		**Batch: 24I0209**		
m,p-Xylene	ND	---	1.00	ug/L	1	09/09/24 15:24	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	09/09/24 15:24	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/09/24 15:24	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits: 80-120 %*	*1*	*09/09/24 15:24*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*09/09/24 15:24*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*108 %*	*80-120 %*	*1*	*09/09/24 15:24*	*EPA 8260D*	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**		**Batch: 24I0209**		
Benzene	ND	---	0.200	ug/L	1	09/09/24 15:45	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/24 15:45	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/09/24 15:45	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	09/09/24 15:45	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	09/09/24 15:45	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/09/24 15:45	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/09/24 15:45*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*09/09/24 15:45*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*107 %*	*80-120 %*	*1*	*09/09/24 15:45*	*EPA 8260D*	
MW-104-082724 (A4H1527-06)				**Matrix: Water**		**Batch: 24I0209**		
Benzene	ND	---	0.200	ug/L	1	09/09/24 16:06	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/24 16:06	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/09/24 16:06	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	09/09/24 16:06	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	09/09/24 16:06	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/09/24 16:06	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*09/09/24 16:06*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*09/09/24 16:06*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*104 %*	*80-120 %*	*1*	*09/09/24 16:06*	*EPA 8260D*	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**		**Batch: 24I0209**		
Benzene	**1.39**	---	0.200	ug/L	1	09/09/24 16:28	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/24 16:28	EPA 8260D	
Ethylbenzene	**6.18**	---	0.500	ug/L	1	09/09/24 16:28	EPA 8260D	
m,p-Xylene	**3.69**	---	1.00	ug/L	1	09/09/24 16:28	EPA 8260D	
o-Xylene	**3.59**	---	0.500	ug/L	1	09/09/24 16:28	EPA 8260D	
Xylenes, total	**7.28**	---	1.50	ug/L	1	09/09/24 16:28	EPA 8260D	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-107R-082724 (A4H1527-07)				**Matrix: Water**		**Batch: 24I0209**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*09/09/24 16:28*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*09/09/24 16:28*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*09/09/24 16:28*	*EPA 8260D*	
B-6R-082724 (A4H1527-08)				**Matrix: Water**		**Batch: 24I0209**		
Benzene	ND	---	0.200	ug/L	1	09/09/24 17:10	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/24 17:10	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/09/24 17:10	EPA 8260D	
m,p-Xylene	ND	---	1.00	ug/L	1	09/09/24 17:10	EPA 8260D	
o-Xylene	ND	---	0.500	ug/L	1	09/09/24 17:10	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/09/24 17:10	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*09/09/24 17:10*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*09/09/24 17:10*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*107 %*	*80-120 %*	*1*	*09/09/24 17:10*	*EPA 8260D*	

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

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Acenaphthene	**0.352**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Acenaphthylene	**0.0274**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	**J**
Anthracene	**0.132**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Benz(a)anthracene	**0.0104**	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	**J**
Benzo(a)pyrene	ND	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Chrysene	ND	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Fluoranthene	**0.0624**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Fluorene	**0.193**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.00946	0.0189	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
1-Methylnaphthalene	ND	0.0378	0.0757	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0378	0.0757	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Naphthalene	ND	0.0378	0.0757	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Phenanthrene	**0.274**	0.0378	0.0757	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Pyrene	**0.0615**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Dibenzofuran	**0.0549**	0.0189	0.0378	ug/L	1	09/03/24 12:11	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery: 94 %*		*Limits: 78-134 %*	*1*	*09/03/24 12:11*	*EPA 8270E LVI*	
Benzo(a)pyrene-d12 (Surr)		*110 %*		*80-132 %*	*1*	*09/03/24 12:11*	*EPA 8270E LVI*	
MW-105-20240827 (A4H1527-02RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Acenaphthene	**36.9**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Acenaphthylene	**3.11**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Anthracene	**1.89**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Benz(a)anthracene	**0.216**	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Benzo(a)pyrene	**0.115**	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	**J**
Benzo(b)fluoranthene	**0.0966**	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	**J**
Benzo(k)fluoranthene	ND	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Chrysene	**0.138**	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	**J**
Dibenz(a,h)anthracene	ND	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Fluoranthene	**2.81**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Fluorene	**9.36**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.0920	0.184	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
1-Methylnaphthalene	**20.3**	0.368	0.736	ug/L	10	09/03/24 12:45	EPA 8270E LVI	

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-105-20240827 (A4H1527-02RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
2-Methylnaphthalene	**14.3**	0.368	0.736	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Naphthalene	**19.6**	0.368	0.736	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Phenanthrene	**1.67**	0.368	0.736	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Pyrene	**2.35**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Dibenzofuran	**5.26**	0.184	0.368	ug/L	10	09/03/24 12:45	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery:*	*62 %*	*Limits: 78-134 %*	*10*	*09/03/24 12:45*	*EPA 8270E LVI*	*S-05*
Benzo(a)pyrene-d12 (Surr)			*111 %*	*80-132 %*	*10*	*09/03/24 12:45*	*EPA 8270E LVI*	*S-05*
MW-101R-20240827 (A4H1527-03RE1)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Acenaphthene	**235**	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Acenaphthylene	ND	9.59	9.59	ug/L	100	09/03/24 13:17	EPA 8270E LVI	R-02
Anthracene	**6.94**	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Benz(a)anthracene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Chrysene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Fluoranthene	**4.57**	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Fluorene	**73.8**	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.913	1.83	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
1-Methylnaphthalene	**388**	3.65	7.31	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
2-Methylnaphthalene	**432**	3.65	7.31	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Naphthalene	**322**	3.65	7.31	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Phenanthrene	**56.7**	3.65	7.31	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Pyrene	**4.66**	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Dibenzofuran	**14.9**	1.83	3.65	ug/L	100	09/03/24 13:17	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery:*	*%*	*Limits: 78-134 %*	*100*	*09/03/24 13:17*	*EPA 8270E LVI*	*S-01*
Benzo(a)pyrene-d12 (Surr)			*122 %*	*80-132 %*	*100*	*09/03/24 13:17*	*EPA 8270E LVI*	*S-05*
B-4R-20240827 (A4H1527-04RE1)				**Matrix: Water**		**Batch: 24H1080**		
Acenaphthene	**26.5**	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Acenaphthylene	**1.61**	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Anthracene	**0.320**	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	**J**
Benz(a)anthracene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	

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Cameron O'Brien, Project Manager

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ORELAP ID: OR100062

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B-4R-20240827 (A4H1527-04RE1)				**Matrix: Water**		**Batch: 24H1080**		
Benzo(a)pyrene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Chrysene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Fluoranthene	**0.192**	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	**J**
Fluorene	**4.97**	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.0915	0.183	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
1-Methylnaphthalene	**4.54**	0.366	0.732	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
2-Methylnaphthalene	**0.384**	0.366	0.732	ug/L	10	08/29/24 23:28	EPA 8270E LVI	**J**
Naphthalene	**1.19**	0.366	0.732	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Phenanthrene	**1.01**	0.366	0.732	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Pyrene	**0.229**	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	**J**
Dibenzofuran	ND	0.183	0.366	ug/L	10	08/29/24 23:28	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery: 66 %*	*Limits: 78-134 %*		*10*	*08/29/24 23:28*	*EPA 8270E LVI*	*S-05*
Benzo(a)pyrene-d12 (Surr)		*102 %*	*80-132 %*		*10*	*08/29/24 23:28*	*EPA 8270E LVI*	*S-05*
MW-102R-08272024 (A4H1527-05RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Acenaphthene	**13.1**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Acenaphthylene	**1.22**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Anthracene	**0.918**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Benz(a)anthracene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Chrysene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Fluoranthene	**0.683**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Fluorene	**4.19**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.0356	0.0712	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
1-Methylnaphthalene	**0.180**	0.142	0.285	ug/L	4	09/03/24 13:50	EPA 8270E LVI	**J**
2-Methylnaphthalene	ND	0.142	0.285	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Naphthalene	ND	0.142	0.285	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Phenanthrene	**1.15**	0.142	0.285	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Pyrene	**0.559**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	

Apex Laboratories

Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-08272024 (A4H1527-05RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Dibenzofuran	**0.294**	0.0712	0.142	ug/L	4	09/03/24 13:50	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery: 82 %*		*Limits: 78-134 %*	*4*	*09/03/24 13:50*	*EPA 8270E LVI*	*S-05*
Benzo(a)pyrene-d12 (Surr)		*113 %*		*80-132 %*	*4*	*09/03/24 13:50*	*EPA 8270E LVI*	*S-05*
MW-104-082724 (A4H1527-06RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Acenaphthene	**51.7**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Acenaphthylene	**2.07**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Anthracene	**0.321**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	**J**
Benz(a)anthracene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Chrysene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Fluoranthene	**1.42**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Fluorene	**5.78**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.0904	0.181	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
1-Methylnaphthalene	**0.601**	0.362	0.723	ug/L	10	09/03/24 14:23	EPA 8270E LVI	**J**
2-Methylnaphthalene	ND	0.362	0.723	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Naphthalene	ND	0.362	0.723	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Phenanthrene	ND	0.362	0.723	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Pyrene	**1.08**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	
Dibenzofuran	**0.221**	0.181	0.362	ug/L	10	09/03/24 14:23	EPA 8270E LVI	**J**
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery: 60 %*		*Limits: 78-134 %*	*10*	*09/03/24 14:23*	*EPA 8270E LVI*	*S-05*
Benzo(a)pyrene-d12 (Surr)		*103 %*		*80-132 %*	*10*	*09/03/24 14:23*	*EPA 8270E LVI*	*S-05*
MW-107R-082724 (A4H1527-07RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Acenaphthene	ND	0.0640	0.0640	ug/L	1	09/03/24 14:56	EPA 8270E LVI	R-02
Acenaphthylene	**5.06**	0.0190	0.0380	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Anthracene	**0.338**	0.0190	0.0380	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Benz(a)anthracene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.0190	0.0380	ug/L	1	09/03/24 14:56	EPA 8270E LVI	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-107R-082724 (A4H1527-07RE2)				**Matrix: Water**		**Batch: 24I0001**		**DCNT**
Chrysene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Fluoranthene	ND	0.0190	0.0380	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Fluorene	ND	0.166	0.166	ug/L	1	09/03/24 14:56	EPA 8270E LVI	R-02
Indeno(1,2,3-cd)pyrene	ND	0.00949	0.0190	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
1-Methylnaphthalene	**0.0531**	0.0380	0.0759	ug/L	1	09/03/24 14:56	EPA 8270E LVI	**J**
2-Methylnaphthalene	**0.0702**	0.0380	0.0759	ug/L	1	09/03/24 14:56	EPA 8270E LVI	**J**
Naphthalene	**0.168**	0.0380	0.0759	ug/L	1	09/03/24 14:56	EPA 8270E LVI	
Phenanthrene	**0.0655**	0.0380	0.0759	ug/L	1	09/03/24 14:56	EPA 8270E LVI	**J**
Pyrene	**0.0213**	0.0190	0.0380	ug/L	1	09/03/24 14:56	EPA 8270E LVI	**J**
Dibenzofuran	ND	0.0629	0.0629	ug/L	1	09/03/24 14:56	EPA 8270E LVI	R-02
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery:*	*93 %*	*Limits:* *78-134 %*	*1*	*09/03/24 14:56*	*EPA 8270E LVI*	
Benzo(a)pyrene-d12 (Surr)			*113 %*	*80-132 %*	*1*	*09/03/24 14:56*	*EPA 8270E LVI*	
B-6R-082724 (A4H1527-08)				**Matrix: Water**		**Batch: 24H1080**		**DCNT**
Acenaphthene	ND	0.0744	0.0744	ug/L	1	08/29/24 18:32	EPA 8270E LVI	R-02
Acenaphthylene	**0.0635**	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Anthracene	ND	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Benz(a)anthracene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Chrysene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Fluoranthene	ND	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Fluorene	ND	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.00992	0.0198	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
1-Methylnaphthalene	ND	0.0397	0.0794	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0397	0.0794	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Naphthalene	**0.169**	0.0397	0.0794	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Phenanthrene	ND	0.0397	0.0794	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Pyrene	ND	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Dibenzofuran	ND	0.0198	0.0397	ug/L	1	08/29/24 18:32	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		*Recovery:*	*103 %*	*Limits:* *78-134 %*	*1*	*08/29/24 18:32*	*EPA 8270E LVI*	
Benzo(a)pyrene-d12 (Surr)			*107 %*	*80-132 %*	*1*	*08/29/24 18:32*	*EPA 8270E LVI*	

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Cameron O'Brien, Project Manager

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ORELAP ID: OR100062

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**		**Batch: 24I0006**		**PRES**
cis-Decalin	ND	0.800	1.60	ug/L	40	09/03/24 18:04	EPA 8270m	
C1-Decalin	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C2-Decalin	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Decalin	ND	8.00	8.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C4-Decalin	ND	8.00	8.00	ug/L	40	09/03/24 18:04	EPA 8270m	
1-Methylnaphthalene	**213**	0.800	1.60	ug/L	40	09/03/24 18:04	EPA 8270m	**B**
2-Methylnaphthalene	**263**	0.800	1.60	ug/L	40	09/03/24 18:04	EPA 8270m	**B**
C2-Naphthalenes	**93.9**	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Naphthalenes	**7.93**	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C4-Naphthalenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
Acenaphthene	**159**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	**B**
Acenaphthylene	ND	1.20	1.20	ug/L	40	09/03/24 18:04	EPA 8270m	R-02
Dibenzofuran	**12.9**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Fluorene	**57.3**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	**B-02**
C1-Fluorenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C2-Fluorenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Fluorenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
Dibenzothiophene	**3.67**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
C1-Dibenzothiophene	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C2-Dibenzothiophene	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Dibenzothiophene	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C4-Dibenzothiophene	ND	8.00	8.00	ug/L	40	09/03/24 18:04	EPA 8270m	
Phenanthrene	**50.7**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Anthracene	**4.85**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
1-Methylphenanthrene	**1.03**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	**M-05**
C1-Phenanthrenes/Anthracenes	**5.96**	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C2-Phenanthrenes/Anthracenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Phenanthrenes/Anthracenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C4-Phenanthrenes/Anthracenes	ND	8.00	8.00	ug/L	40	09/03/24 18:04	EPA 8270m	
Fluoranthene	**4.75**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Pyrene	**3.99**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
C1-Fluoranthenes/Pyrenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C2-Fluoranthenes/Pyrenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Fluoranthenes/Pyrenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C4-Fluoranthenes/Pyrenes	ND	8.00	8.00	ug/L	40	09/03/24 18:04	EPA 8270m	
Chrysene	ND	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Benz(a)anthracene	**0.419**	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	**J**

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**		**Batch: 24I0006**		**PRES**
C1-Chrysenes/Benz(a)anthracenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C2-Chrysenes/Benz(a)anthracenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C3-Chrysenes/Benz(a)anthracenes	ND	4.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
C4-Chrysenes/Benz(a)anthracenes	ND	8.00	8.00	ug/L	40	09/03/24 18:04	EPA 8270m	
Benzo(b)fluoranthene	ND	0.600	1.20	ug/L	40	09/03/24 18:04	EPA 8270m	
Benzo(k)fluoranthene	ND	0.600	1.20	ug/L	40	09/03/24 18:04	EPA 8270m	
Benzo(a)pyrene	ND	0.600	1.20	ug/L	40	09/03/24 18:04	EPA 8270m	
Benzo(e)pyrene	ND	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Perylene	ND	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Indeno(1,2,3-cd)pyrene	ND	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Dibenz(a,h)anthracene	ND	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
Benzo(g,h,i)perylene	ND	0.400	0.800	ug/L	40	09/03/24 18:04	EPA 8270m	
1,1'-Biphenyl	ND	2.00	4.00	ug/L	40	09/03/24 18:04	EPA 8270m	
2,6-Dimethylnaphthalene	**24.1**	0.800	1.60	ug/L	40	09/03/24 18:04	EPA 8270m	**M-05**
1,6,7-Trimethylnaphthalene	**1.51**	0.800	1.60	ug/L	40	09/03/24 18:04	EPA 8270m	**J**
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*79 %*	*Limits:*	*44-120 %*	*40*	*09/03/24 18:04*	*EPA 8270m*	
2-Fluorobiphenyl (Surr)			*75 %*		*44-120 %*	*40*	*09/03/24 18:04*	*EPA 8270m*	
Acenaphthylene-d8 (Surr)			*80 %*		*45-120 %*	*40*	*09/03/24 18:04*	*EPA 8270m*	
p-Terphenyl-d14 (Surr)			*81 %*		*50-134 %*	*40*	*09/03/24 18:04*	*EPA 8270m*	
Benzo(a)pyrene-d12 (Surr)			*107 %*		*63-120 %*	*40*	*09/03/24 18:04*	*EPA 8270m*	
MW-101R-20240827 (A4H1527-03RE1)				**Matrix: Water**		**Batch: 24I0006**		
Naphthalene	**445**	8.00	16.0	ug/L	400	09/03/24 19:12	EPA 8270m	**B**
C1-Naphthalenes	**607**	40.0	40.0	ug/L	400	09/03/24 19:12	EPA 8270m	**B**
MW-107R-082724 (A4H1527-07RE2)				**Matrix: Water**		**Batch: 24I0006**		
cis-Decalin	ND	0.0748	0.150	ug/L	4	09/04/24 09:58	EPA 8270m	
C1-Decalin	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Decalin	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C3-Decalin	ND	0.748	0.748	ug/L	4	09/04/24 09:58	EPA 8270m	
C4-Decalin	ND	0.748	0.748	ug/L	4	09/04/24 09:58	EPA 8270m	
Naphthalene	ND	0.150	0.150	ug/L	4	09/04/24 09:58	EPA 8270m	
1-Methylnaphthalene	**0.179**	0.0748	0.150	ug/L	4	09/04/24 09:58	EPA 8270m	**B**
2-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	09/04/24 09:58	EPA 8270m	
C1-Naphthalenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Naphthalenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-107R-082724 (A4H1527-07RE2)				**Matrix: Water**		**Batch: 24I0006**		
C3-Naphthalenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C4-Naphthalenes	**0.713**	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
Acenaphthene	**26.1**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	**B**
Acenaphthylene	**1.94**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Dibenzofuran	**0.805**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Fluorene	**3.62**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	**B-02**
C1-Fluorenes	**0.413**	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Fluorenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C3-Fluorenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
Dibenzothiophene	**0.381**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
C1-Dibenzothiophene	**0.399**	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Dibenzothiophene	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C3-Dibenzothiophene	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C4-Dibenzothiophene	ND	0.748	0.748	ug/L	4	09/04/24 09:58	EPA 8270m	
Phenanthrene	ND	0.0748	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Anthracene	**0.256**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
1-Methylphenanthrene	ND	0.0748	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
C1-Phenanthrenes/Anthracenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Phenanthrenes/Anthracenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C3-Phenanthrenes/Anthracenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C4-Phenanthrenes/Anthracenes	ND	0.748	0.748	ug/L	4	09/04/24 09:58	EPA 8270m	
Fluoranthene	**0.514**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Pyrene	**0.560**	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
C1-Fluoranthenes/Pyrenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Fluoranthenes/Pyrenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C3-Fluoranthenes/Pyrenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C4-Fluoranthenes/Pyrenes	ND	0.748	0.748	ug/L	4	09/04/24 09:58	EPA 8270m	
Chrysene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Benz(a)anthracene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
C1-Chrysenes/Benz(a)anthracenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C2-Chrysenes/Benz(a)anthracenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C3-Chrysenes/Benz(a)anthracenes	ND	0.374	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
C4-Chrysenes/Benz(a)anthracenes	ND	0.748	0.748	ug/L	4	09/04/24 09:58	EPA 8270m	
Benzo(b)fluoranthene	ND	0.0561	0.112	ug/L	4	09/04/24 09:58	EPA 8270m	
Benzo(k)fluoranthene	ND	0.0561	0.112	ug/L	4	09/04/24 09:58	EPA 8270m	
Benzo(a)pyrene	ND	0.0561	0.112	ug/L	4	09/04/24 09:58	EPA 8270m	
Benzo(e)pyrene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-107R-082724 (A4H1527-07RE2)				**Matrix: Water**		**Batch: 24I0006**		
Perylene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Indeno(1,2,3-cd)pyrene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Dibenz(a,h)anthracene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
Benzo(g,h,i)perylene	ND	0.0374	0.0748	ug/L	4	09/04/24 09:58	EPA 8270m	
1,1'-Biphenyl	ND	0.187	0.374	ug/L	4	09/04/24 09:58	EPA 8270m	
2,6-Dimethylnaphthalene	ND	0.0748	0.150	ug/L	4	09/04/24 09:58	EPA 8270m	
1,6,7-Trimethylnaphthalene	ND	0.0748	0.150	ug/L	4	09/04/24 09:58	EPA 8270m	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*67 %*	*Limits:* *44-120 %*	*4*	*09/04/24 09:58*	*EPA 8270m*	*Q-41*
2-Fluorobiphenyl (Surr)			*60 %*	*44-120 %*	*4*	*09/04/24 09:58*	*EPA 8270m*	
Acenaphthylene-d8 (Surr)			*66 %*	*45-120 %*	*4*	*09/04/24 09:58*	*EPA 8270m*	
p-Terphenyl-d14 (Surr)			*53 %*	*50-134 %*	*4*	*09/04/24 09:58*	*EPA 8270m*	
Benzo(a)pyrene-d12 (Surr)			*96 %*	*63-120 %*	*4*	*09/04/24 09:58*	*EPA 8270m*	

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

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	ND	---	1.00	ug/L	1	09/05/24 22:11	EPA 6020B	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	**4.79**	---	1.00	ug/L	1	09/05/24 22:30	EPA 6020B	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	**8.31**	---	1.00	ug/L	1	09/05/24 22:37	EPA 6020B	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	**10.5**	---	1.00	ug/L	1	09/05/24 22:43	EPA 6020B	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	**2.59**	---	1.00	ug/L	1	09/05/24 22:49	EPA 6020B	
MW-104-082724 (A4H1527-06)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	ND	---	1.00	ug/L	1	09/05/24 22:56	EPA 6020B	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	**5.95**	---	1.00	ug/L	1	09/05/24 23:01	EPA 6020B	
B-6R-082724 (A4H1527-08)				**Matrix: Water**				
Batch: 24I0133								
Arsenic	**28.0**	---	1.00	ug/L	1	09/05/24 23:08	EPA 6020B	

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	ND	---	1.00	ug/L	1	09/09/24 13:39	EPA 6020B (Diss)	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	**4.31**	---	1.00	ug/L	1	09/09/24 14:05	EPA 6020B (Diss)	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	**7.96**	---	1.00	ug/L	1	09/09/24 14:12	EPA 6020B (Diss)	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	**5.72**	---	1.00	ug/L	1	09/09/24 14:18	EPA 6020B (Diss)	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	**2.21**	---	1.00	ug/L	1	09/09/24 14:38	EPA 6020B (Diss)	
MW-104-082724 (A4H1527-06)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	ND	---	1.00	ug/L	1	09/09/24 14:45	EPA 6020B (Diss)	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	**5.75**	---	1.00	ug/L	1	09/09/24 14:51	EPA 6020B (Diss)	
B-6R-082724 (A4H1527-08)				**Matrix: Water**				
Batch: 24I0202								
Arsenic	**20.5**	---	1.00	ug/L	1	09/09/24 14:58	EPA 6020B (Diss)	
B-6R-082724 (A4H1527-08RE1)				**Matrix: Water**				
Batch: 24I0193								
Arsenic	**4.40**	---	1.00	ug/L	1	09/19/24 17:51	EPA 6020B (Diss)	**FILT1**

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Anions by Ion Chromatography

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	**3.50**	---	0.250	mg/L	1	08/28/24 19:55	EPA 300.0	**Q-42**
Sulfate	ND	---	1.00	mg/L	1	08/28/24 19:55	EPA 300.0	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	08/28/24 21:00	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	08/28/24 21:00	EPA 300.0	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	08/28/24 21:21	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	08/28/24 21:21	EPA 300.0	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	08/28/24 21:43	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	08/28/24 21:43	EPA 300.0	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	08/28/24 22:04	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	08/28/24 22:04	EPA 300.0	
MW-104-082724 (A4H1527-06)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	08/28/24 23:09	EPA 300.0	
Sulfate	**3.72**	---	1.00	mg/L	1	08/28/24 23:09	EPA 300.0	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**				
Batch: 24H1035								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	08/28/24 23:31	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	08/28/24 23:31	EPA 300.0	
B-6R-082724 (A4H1527-08)				**Matrix: Water**				
Batch: 24H1035								

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Anions by Ion Chromatography

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B-6R-082724 (A4H1527-08)				**Matrix: Water**				
Nitrate-Nitrogen	**0.638**	---	0.250	mg/L	1	08/28/24 23:52	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	08/28/24 23:52	EPA 300.0	

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Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01)				**Matrix: Water**				
Batch: 24H1098								
Total Dissolved Solids	**7100**	---	500	mg/L	1	08/29/24 18:43	SM 2540 C	
MW-108R-20240827 (A4H1527-01RE1)				**Matrix: Water**				
Batch: 24H1132								
Total Suspended Solids	**39.0**	---	5.00	mg/L	1	08/30/24 15:41	SM 2540 D	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**				
Batch: 24H1098								
Total Dissolved Solids	**2610**	---	50.0	mg/L	1	08/29/24 18:43	SM 2540 C	
MW-105-20240827 (A4H1527-02RE1)				**Matrix: Water**				
Batch: 24H1132								
Total Suspended Solids	**8.00**	---	5.00	mg/L	1	08/30/24 15:41	SM 2540 D	**TSS**
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**				
Batch: 24H1095								
Total Suspended Solids	**79.0**	---	5.00	mg/L	1	08/29/24 18:15	SM 2540 D	**B**
Batch: 24H1098								
Total Dissolved Solids	**1050**	---	10.0	mg/L	1	08/29/24 18:43	SM 2540 C	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**				
Batch: 24H1095								
Total Suspended Solids	**65.0**	---	5.00	mg/L	1	08/29/24 18:15	SM 2540 D	**B**
Batch: 24H1098								
Total Dissolved Solids	**451**	---	5.00	mg/L	1	08/29/24 18:43	SM 2540 C	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**				
Batch: 24H1098								
Total Dissolved Solids	**1720**	---	50.0	mg/L	1	08/29/24 18:43	SM 2540 C	
MW-102R-08272024 (A4H1527-05RE1)				**Matrix: Water**				
Batch: 24H1132								
Total Suspended Solids	**35.0**	---	5.00	mg/L	1	08/30/24 15:41	SM 2540 D	

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-104-082724 (A4H1527-06)				**Matrix: Water**				
Batch: 24H1098								
Total Dissolved Solids	**401**	---	5.00	mg/L	1	08/29/24 18:43	SM 2540 C	
MW-104-082724 (A4H1527-06RE1)				**Matrix: Water**				
Batch: 24H1132								
Total Suspended Solids	**10.0**	---	5.00	mg/L	1	08/30/24 15:41	SM 2540 D	**TSS**
MW-107R-082724 (A4H1527-07)				**Matrix: Water**				
Batch: 24H1098								
Total Dissolved Solids	**1020**	---	10.0	mg/L	1	08/29/24 18:43	SM 2540 C	
MW-107R-082724 (A4H1527-07RE1)				**Matrix: Water**				
Batch: 24H1132								
Total Suspended Solids	**9.00**	---	5.00	mg/L	1	08/30/24 15:41	SM 2540 D	**TSS**
B-6R-082724 (A4H1527-08)				**Matrix: Water**				
Batch: 24H1098								
Total Dissolved Solids	**663**	---	5.00	mg/L	1	08/29/24 18:43	SM 2540 C	
B-6R-082724 (A4H1527-08RE1)				**Matrix: Water**				
Batch: 24H1132								
Total Suspended Solids	**13.0**	---	5.00	mg/L	1	08/30/24 15:41	SM 2540 D	**TSS**

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

ANALYTICAL SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240827 (A4H1527-01)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**2790**	---	20.0	mg CaCO3/L	1	08/29/24 10:32	SM 2320 B	
Bicarbonate Alkalinity	**2790**	---	20.0	mg CaCO3/L	1	08/29/24 10:32	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 10:32	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 10:32	SM 2320 B	
MW-105-20240827 (A4H1527-02)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**1800**	---	20.0	mg CaCO3/L	1	08/29/24 11:15	SM 2320 B	
Bicarbonate Alkalinity	**1800**	---	20.0	mg CaCO3/L	1	08/29/24 11:15	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 11:15	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 11:15	SM 2320 B	
MW-101R-20240827 (A4H1527-03)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**816**	---	20.0	mg CaCO3/L	1	08/29/24 11:44	SM 2320 B	
Bicarbonate Alkalinity	**816**	---	20.0	mg CaCO3/L	1	08/29/24 11:44	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 11:44	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 11:44	SM 2320 B	
B-4R-20240827 (A4H1527-04)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**361**	---	20.0	mg CaCO3/L	1	08/29/24 11:58	SM 2320 B	
Bicarbonate Alkalinity	**361**	---	20.0	mg CaCO3/L	1	08/29/24 11:58	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 11:58	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 11:58	SM 2320 B	
MW-102R-08272024 (A4H1527-05)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**729**	---	20.0	mg CaCO3/L	1	08/29/24 12:07	SM 2320 B	
Bicarbonate Alkalinity	**729**	---	20.0	mg CaCO3/L	1	08/29/24 12:07	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 12:07	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 12:07	SM 2320 B	
MW-104-082724 (A4H1527-06)				**Matrix: Water**				
Batch: 24H1066								

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ANALYTICAL REPORT

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13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

ANALYTICAL SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-104-082724 (A4H1527-06)				**Matrix: Water**				
Total Alkalinity	**316**	---	20.0	mg CaCO3/L	1	08/29/24 14:41	SM 2320 B	
Bicarbonate Alkalinity	**316**	---	20.0	mg CaCO3/L	1	08/29/24 14:41	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 14:41	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 14:41	SM 2320 B	
MW-107R-082724 (A4H1527-07)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**775**	---	20.0	mg CaCO3/L	1	08/29/24 12:23	SM 2320 B	
Bicarbonate Alkalinity	**775**	---	20.0	mg CaCO3/L	1	08/29/24 12:23	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 12:23	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 12:23	SM 2320 B	
B-6R-082724 (A4H1527-08)				**Matrix: Water**				
Batch: 24H1066								
Total Alkalinity	**531**	---	20.0	mg CaCO3/L	1	08/29/24 12:45	SM 2320 B	
Bicarbonate Alkalinity	**531**	---	20.0	mg CaCO3/L	1	08/29/24 12:45	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 12:45	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	08/29/24 12:45	SM 2320 B	

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Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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 24H1121 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (24H1121-BLK1)			Prepared: 08/30/24 11:12		Analyzed: 08/30/24 20:23							
NWTPH-Dx LL												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Mineral Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 82 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS (24H1121-BS1)			Prepared: 08/30/24 11:12		Analyzed: 08/30/24 20:47							
NWTPH-Dx LL												
Diesel	354	---	80.0	ug/L	1	500	---	71	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 80 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS Dup (24H1121-BSD1)			Prepared: 08/30/24 11:12		Analyzed: 08/30/24 21:10							**Q-19**
NWTPH-Dx LL												
Diesel	392	---	80.0	ug/L	1	500	---	78	36 - 132%	10	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 88 %*		*Limits: 50-150 %*			*Dilution: 1x*				

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0016 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (24I0016-BLK1)			Prepared: 09/03/24 09:58		Analyzed: 09/03/24 20:13							
NWTPH-Dx LL												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 88 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS (24I0016-BS1)			Prepared: 09/03/24 09:58		Analyzed: 09/03/24 20:37							
NWTPH-Dx LL												
Diesel	361	---	80.0	ug/L	1	500	---	72	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 89 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS Dup (24I0016-BSD1)			Prepared: 09/03/24 09:58		Analyzed: 09/03/24 21:00							**Q-19**
NWTPH-Dx LL												
Diesel	374	---	80.0	ug/L	1	500	---	75	36 - 132%	3	30%	

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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 24I0016 - EPA 3510C (Fuels/Acid Ext.)												**Water**
LCS Dup (24I0016-BSD1)			Prepared: 09/03/24 09:58 Analyzed: 09/03/24 21:00									**Q-19**
Surr: o-Terphenyl (Surr)			*Recovery: 87 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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

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Cameron O'Brien, Project Manager

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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 24I0225 - EPA 3510C (Fuels/Acid Ext.)												**Water**
Blank (24I0225-BLK1)			Prepared: 09/09/24 10:12		Analyzed: 09/09/24 20:33							
NWTPH-Dx LL												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 72 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (24I0225-BS1)			Prepared: 09/09/24 10:12		Analyzed: 09/09/24 20:54							
NWTPH-Dx LL												
Diesel	386	---	80.0	ug/L	1	500	---	77	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 77 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS Dup (24I0225-BSD1)			Prepared: 09/09/24 10:12		Analyzed: 09/09/24 21:15							**Q-19**
NWTPH-Dx LL												
Diesel	400	---	80.0	ug/L	1	500	---	80	36 - 132%	4	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 78 %*		*Limits: 50-150 %*		*Dilution: 1x*					

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

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13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0646 - EPA 3510C (Fuels/Acid Ext.) w/SGC									**Water**			
Blank (24I0646-BLK1)			Prepared: 08/30/24 11:12		Analyzed: 09/21/24 02:24							
NWTPH-Dx/SGC												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 90 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (24I0646-BS1)			Prepared: 08/30/24 11:12		Analyzed: 09/21/24 02:47							
NWTPH-Dx/SGC												
Diesel	353	---	80.0	ug/L	1	500	---	71	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 81 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS Dup (24I0646-BSD1)			Prepared: 08/30/24 11:12		Analyzed: 09/21/24 03:11							**Q-19**
NWTPH-Dx/SGC												
Diesel	372	---	80.0	ug/L	1	500	---	74	36 - 132%	5	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 90 %*		*Limits: 50-150 %*		*Dilution: 1x*					

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

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Cameron O'Brien, Project Manager

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13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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 24I0209 - EPA 5030C												**Water**
Blank (24I0209-BLK1)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 10:48										
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 92 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*98 %*		*50-150 %*			*"*					
LCS (24I0209-BS2)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 10:27										
NWTPH-Gx (MS)												
Gasoline Range Organics	445	---	100	ug/L	1	500	---	89	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*98 %*		*50-150 %*			*"*					
Duplicate (24I0209-DUP1)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 15:02										
QC Source Sample: MW-101R-20240827 (A4H1527-03)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**3910**	---	100	ug/L	1	---	4660	---	---	18	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*94 %*		*50-150 %*			*"*					
Duplicate (24I0209-DUP2)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 16:49										
QC Source Sample: MW-107R-082724 (A4H1527-07)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**1250**	---	100	ug/L	1	---	1260	---	---	1	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 94 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*93 %*		*50-150 %*			*"*					

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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 24I0307 - EPA 5030C												**Water**
Blank (24I0307-BLK1)			Prepared: 09/11/24 07:19 Analyzed: 09/11/24 09:59									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 92 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*98 %*		*50-150 %*			*"*				
LCS (24I0307-BS2)			Prepared: 09/11/24 07:19 Analyzed: 09/11/24 09:37									
NWTPH-Gx (MS)												
Gasoline Range Organics	440	---	100	ug/L	1	500	---	88	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 93 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*96 %*		*50-150 %*			*"*				

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

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QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0209 - EPA 5030C							**Water**					
Blank (24I0209-BLK1)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 10:48										
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 97 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*102 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*102 %*		*80-120 %*			*"*					
LCS (24I0209-BS1)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 09:16										
EPA 8260D												
Benzene	19.3	---	0.200	ug/L	1	20.0	---	96	80 - 120%	---	---	
Toluene	18.9	---	1.00	ug/L	1	20.0	---	95	80 - 120%	---	---	
Ethylbenzene	20.3	---	0.500	ug/L	1	20.0	---	101	80 - 120%	---	---	
Xylenes, total	60.7	---	1.50	ug/L	1	60.0	---	101	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*99 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*102 %*		*80-120 %*			*"*					
Duplicate (24I0209-DUP1)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 15:02										
QC Source Sample: MW-101R-20240827 (A4H1527-03)												
EPA 8260D												
Benzene	**76.0**	---	0.200	ug/L	1	---	78.7	---	---	4	30%	
Toluene	**1.51**	---	1.00	ug/L	1	---	1.46	---	---	3	30%	
Ethylbenzene	**80.6**	---	0.500	ug/L	1	---	81.8	---	---	1	30%	
Xylenes, total	**19.2**	---	1.50	ug/L	1	---	18.6	---	---	3	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*97 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*104 %*		*80-120 %*			*"*					
Duplicate (24I0209-DUP2)		Prepared: 09/09/24 07:58 Analyzed: 09/09/24 16:49										
QC Source Sample: MW-107R-082724 (A4H1527-07)												
EPA 8260D												

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0209 - EPA 5030C							**Water**					
Duplicate (24I0209-DUP2)		Prepared: 09/09/24 07:58		Analyzed: 09/09/24 16:49								
QC Source Sample: MW-107R-082724 (A4H1527-07)												
Benzene	**1.39**	---	0.200	ug/L	1	---	1.39	---	---	0	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	**6.59**	---	0.500	ug/L	1	---	6.18	---	---	6	30%	
Xylenes, total	**7.40**	---	1.50	ug/L	1	---	7.28	---	---	2	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*104 %*		*80-120 %*			*"*				

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Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0307 - EPA 5030C												**Water**
Blank (24I0307-BLK1)		Prepared: 09/11/24 07:19 Analyzed: 09/11/24 09:59										
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 96 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*101 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*104 %*		*80-120 %*			*"*					
LCS (24I0307-BS1)		Prepared: 09/11/24 07:19 Analyzed: 09/11/24 09:16										
EPA 8260D												
Benzene	18.8	---	0.200	ug/L	1	20.0	---	94	80 - 120%	---	---	
Toluene	18.9	---	1.00	ug/L	1	20.0	---	94	80 - 120%	---	---	
Ethylbenzene	20.6	---	0.500	ug/L	1	20.0	---	103	80 - 120%	---	---	
Xylenes, total	61.5	---	1.50	ug/L	1	60.0	---	103	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 93 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*99 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*96 %*		*80-120 %*			*"*					

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

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13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1080 - EPA 3511 (Bottle Extraction)							**Water**					
Blank (24H1080-BLK1)		Prepared: 08/29/24 11:04		Analyzed: 08/29/24 15:14								
EPA 8270E LVI												
Acenaphthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Surr: Acenaphthylene-d8 (Surr)		*Recovery:*	*103 %*	*Limits:*	*78-134 %*		*Dilution:*	*1x*				
Benzo(a)pyrene-d12 (Surr)			*105 %*		*80-132 %*			*"*				
LCS (24H1080-BS1)		Prepared: 08/29/24 11:04		Analyzed: 08/29/24 15:48								
EPA 8270E LVI												
Acenaphthene	1.64	0.0160	0.0320	ug/L	1	1.60	---	102	80 - 120%	---	---	
Acenaphthylene	1.85	0.0160	0.0320	ug/L	1	1.60	---	116	80 - 124%	---	---	
Anthracene	1.55	0.0160	0.0320	ug/L	1	1.60	---	97	80 - 123%	---	---	
Benz(a)anthracene	1.61	0.00800	0.0160	ug/L	1	1.60	---	101	80 - 122%	---	---	
Benzo(a)pyrene	1.78	0.00800	0.0160	ug/L	1	1.60	---	111	80 - 129%	---	---	
Benzo(b)fluoranthene	1.69	0.00800	0.0160	ug/L	1	1.60	---	106	80 - 124%	---	---	
Benzo(k)fluoranthene	1.75	0.00800	0.0160	ug/L	1	1.60	---	109	80 - 125%	---	---	
Benzo(g,h,i)perylene	1.47	0.0160	0.0320	ug/L	1	1.60	---	92	80 - 120%	---	---	

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1080 - EPA 3511 (Bottle Extraction)							**Water**					
LCS (24H1080-BS1)		Prepared: 08/29/24 11:04		Analyzed: 08/29/24 15:48								
Chrysene	1.55	0.00800	0.0160	ug/L	1	1.60	---	97	80 - 120%	---	---	
Dibenz(a,h)anthracene	1.59	0.00800	0.0160	ug/L	1	1.60	---	99	80 - 120%	---	---	
Fluoranthene	1.89	0.0160	0.0320	ug/L	1	1.60	---	118	80 - 126%	---	---	
Fluorene	1.72	0.0160	0.0320	ug/L	1	1.60	---	108	77 - 127%	---	---	
Indeno(1,2,3-cd)pyrene	1.43	0.00800	0.0160	ug/L	1	1.60	---	90	80 - 121%	---	---	
1-Methylnaphthalene	2.00	0.0320	0.0640	ug/L	1	1.60	---	125	53 - 148%	---	---	
2-Methylnaphthalene	1.95	0.0320	0.0640	ug/L	1	1.60	---	122	48 - 150%	---	---	
Naphthalene	1.70	0.0320	0.0640	ug/L	1	1.60	---	106	78 - 120%	---	---	
Phenanthrene	1.48	0.0320	0.0640	ug/L	1	1.60	---	92	80 - 120%	---	---	
Pyrene	1.88	0.0160	0.0320	ug/L	1	1.60	---	118	80 - 125%	---	---	
Carbazole	1.71	0.0160	0.0320	ug/L	1	1.60	---	107	65 - 141%	---	---	
Dibenzofuran	1.78	0.0160	0.0320	ug/L	1	1.60	---	111	76 - 121%	---	---	
Surr: Acenaphthylene-d8 (Surr)			*Recovery: 99 %*		*Limits: 78-134 %*				*Dilution: 1x*			
Benzo(a)pyrene-d12 (Surr)			*108 %*		*80-132 %*				*"*			
LCS Dup (24H1080-BSD1)		Prepared: 08/29/24 11:04		Analyzed: 08/29/24 16:21								**Q-19**
EPA 8270E LVI												
Acenaphthene	1.71	0.0160	0.0320	ug/L	1	1.60	---	107	80 - 120%	5	30%	
Acenaphthylene	1.92	0.0160	0.0320	ug/L	1	1.60	---	120	80 - 124%	3	30%	
Anthracene	1.69	0.0160	0.0320	ug/L	1	1.60	---	105	80 - 123%	8	30%	
Benz(a)anthracene	1.75	0.00800	0.0160	ug/L	1	1.60	---	110	80 - 122%	8	30%	
Benzo(a)pyrene	1.91	0.00800	0.0160	ug/L	1	1.60	---	120	80 - 129%	7	30%	
Benzo(b)fluoranthene	1.81	0.00800	0.0160	ug/L	1	1.60	---	113	80 - 124%	7	30%	
Benzo(k)fluoranthene	1.92	0.00800	0.0160	ug/L	1	1.60	---	120	80 - 125%	9	30%	
Benzo(g,h,i)perylene	1.62	0.0160	0.0320	ug/L	1	1.60	---	101	80 - 120%	9	30%	
Chrysene	1.68	0.00800	0.0160	ug/L	1	1.60	---	105	80 - 120%	8	30%	
Dibenz(a,h)anthracene	1.67	0.00800	0.0160	ug/L	1	1.60	---	104	80 - 120%	5	30%	
Fluoranthene	2.08	0.0160	0.0320	ug/L	1	1.60	---	**130**	**80 - 126%**	10	30%	Q-29
Fluorene	1.80	0.0160	0.0320	ug/L	1	1.60	---	113	77 - 127%	5	30%	
Indeno(1,2,3-cd)pyrene	1.55	0.00800	0.0160	ug/L	1	1.60	---	97	80 - 121%	8	30%	
1-Methylnaphthalene	2.02	0.0320	0.0640	ug/L	1	1.60	---	126	53 - 148%	1	30%	
2-Methylnaphthalene	1.95	0.0320	0.0640	ug/L	1	1.60	---	122	48 - 150%	0.02	30%	
Naphthalene	1.73	0.0320	0.0640	ug/L	1	1.60	---	108	78 - 120%	2	30%	
Phenanthrene	1.61	0.0320	0.0640	ug/L	1	1.60	---	101	80 - 120%	9	30%	

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1080 - EPA 3511 (Bottle Extraction)							**Water**					
LCS Dup (24H1080-BSD1)		Prepared: 08/29/24 11:04		Analyzed: 08/29/24 16:21								**Q-19**
Pyrene	2.07	0.0160	0.0320	ug/L	1	1.60	---	**129**	**80 - 125%**	9	30%	Q-29
Carbazole	1.79	0.0160	0.0320	ug/L	1	1.60	---	112	65 - 141%	5	30%	
Dibenzofuran	1.82	0.0160	0.0320	ug/L	1	1.60	---	114	76 - 121%	2	30%	
Surr: Acenaphthylene-d8 (Surr)		*Recovery:*	*100 %*	*Limits:*	*78-134 %*		*Dilution:*	*1x*				
Benzo(a)pyrene-d12 (Surr)			*106 %*		*80-132 %*			*"*				

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

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Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0001 - EPA 3511 (Bottle Extraction)							**Water**					
Blank (24I0001-BLK1)		Prepared: 09/03/24 07:10		Analyzed: 09/03/24 10:33								
EPA 8270E LVI												
Acenaphthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Surr: Acenaphthylene-d8 (Surr)		*Recovery: 93 %*		*Limits: 78-134 %*			*Dilution: 1x*					
Benzo(a)pyrene-d12 (Surr)		*105 %*		*80-132 %*			*"*					
LCS (24I0001-BS1)		Prepared: 09/03/24 07:10		Analyzed: 09/03/24 11:06								
EPA 8270E LVI												
Acenaphthene	1.81	0.0160	0.0320	ug/L	1	1.60	---	113	80 - 120%	---	---	
Acenaphthylene	1.88	0.0160	0.0320	ug/L	1	1.60	---	117	80 - 124%	---	---	
Anthracene	1.69	0.0160	0.0320	ug/L	1	1.60	---	105	80 - 123%	---	---	
Benz(a)anthracene	1.69	0.00800	0.0160	ug/L	1	1.60	---	106	80 - 122%	---	---	
Benzo(a)pyrene	1.85	0.00800	0.0160	ug/L	1	1.60	---	115	80 - 129%	---	---	
Benzo(b)fluoranthene	1.77	0.00800	0.0160	ug/L	1	1.60	---	111	80 - 124%	---	---	
Benzo(k)fluoranthene	1.82	0.00800	0.0160	ug/L	1	1.60	---	114	80 - 125%	---	---	
Benzo(g,h,i)perylene	1.57	0.0160	0.0320	ug/L	1	1.60	---	98	80 - 120%	---	---	

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0001 - EPA 3511 (Bottle Extraction)							**Water**					
LCS (24I0001-BS1)		Prepared: 09/03/24 07:10		Analyzed: 09/03/24 11:06								
Chrysene	1.62	0.00800	0.0160	ug/L	1	1.60	---	101	80 - 120%	---	---	
Dibenz(a,h)anthracene	1.59	0.00800	0.0160	ug/L	1	1.60	---	100	80 - 120%	---	---	
Fluoranthene	1.96	0.0160	0.0320	ug/L	1	1.60	---	123	80 - 126%	---	---	
Fluorene	1.98	0.0160	0.0320	ug/L	1	1.60	---	124	77 - 127%	---	---	
Indeno(1,2,3-cd)pyrene	1.47	0.00800	0.0160	ug/L	1	1.60	---	92	80 - 121%	---	---	
1-Methylnaphthalene	2.14	0.0320	0.0640	ug/L	1	1.60	---	134	53 - 148%	---	---	
2-Methylnaphthalene	2.09	0.0320	0.0640	ug/L	1	1.60	---	131	48 - 150%	---	---	
Naphthalene	1.88	0.0320	0.0640	ug/L	1	1.60	---	117	78 - 120%	---	---	
Phenanthrene	1.58	0.0320	0.0640	ug/L	1	1.60	---	99	80 - 120%	---	---	
Pyrene	1.96	0.0160	0.0320	ug/L	1	1.60	---	123	80 - 125%	---	---	
Carbazole	1.82	0.0160	0.0320	ug/L	1	1.60	---	114	65 - 141%	---	---	
Dibenzofuran	1.84	0.0160	0.0320	ug/L	1	1.60	---	115	76 - 121%	---	---	
Surr: Acenaphthylene-d8 (Surr)			*Recovery: 96 %*		*Limits: 78-134 %*				*Dilution: 1x*			
Benzo(a)pyrene-d12 (Surr)			*107 %*		*80-132 %*				*"*			
LCS Dup (24I0001-BSD1)		Prepared: 09/03/24 07:10		Analyzed: 09/03/24 11:38								**Q-19**
EPA 8270E LVI												
Acenaphthene	1.81	0.0160	0.0320	ug/L	1	1.60	---	113	80 - 120%	0.1	30%	
Acenaphthylene	1.85	0.0160	0.0320	ug/L	1	1.60	---	116	80 - 124%	1	30%	
Anthracene	1.67	0.0160	0.0320	ug/L	1	1.60	---	104	80 - 123%	1	30%	
Benz(a)anthracene	1.72	0.00800	0.0160	ug/L	1	1.60	---	108	80 - 122%	2	30%	
Benzo(a)pyrene	1.90	0.00800	0.0160	ug/L	1	1.60	---	118	80 - 129%	3	30%	
Benzo(b)fluoranthene	1.74	0.00800	0.0160	ug/L	1	1.60	---	108	80 - 124%	2	30%	
Benzo(k)fluoranthene	1.84	0.00800	0.0160	ug/L	1	1.60	---	115	80 - 125%	0.9	30%	
Benzo(g,h,i)perylene	1.51	0.0160	0.0320	ug/L	1	1.60	---	95	80 - 120%	4	30%	
Chrysene	1.62	0.00800	0.0160	ug/L	1	1.60	---	101	80 - 120%	0.2	30%	
Dibenz(a,h)anthracene	1.64	0.00800	0.0160	ug/L	1	1.60	---	103	80 - 120%	3	30%	
Fluoranthene	1.96	0.0160	0.0320	ug/L	1	1.60	---	123	80 - 126%	0.1	30%	
Fluorene	2.01	0.0160	0.0320	ug/L	1	1.60	---	125	77 - 127%	1	30%	
Indeno(1,2,3-cd)pyrene	1.43	0.00800	0.0160	ug/L	1	1.60	---	89	80 - 121%	3	30%	
1-Methylnaphthalene	2.09	0.0320	0.0640	ug/L	1	1.60	---	131	53 - 148%	2	30%	
2-Methylnaphthalene	2.07	0.0320	0.0640	ug/L	1	1.60	---	130	48 - 150%	1	30%	
Naphthalene	1.84	0.0320	0.0640	ug/L	1	1.60	---	115	78 - 120%	2	30%	
Phenanthrene	1.54	0.0320	0.0640	ug/L	1	1.60	---	96	80 - 120%	3	30%	

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0001 - EPA 3511 (Bottle Extraction)												**Water**
LCS Dup (24I0001-BSD1)		Prepared: 09/03/24 07:10		Analyzed: 09/03/24 11:38								**Q-19**
Pyrene	1.94	0.0160	0.0320	ug/L	1	1.60	---	122	80 - 125%	0.8	30%	
Carbazole	1.85	0.0160	0.0320	ug/L	1	1.60	---	115	65 - 141%	2	30%	
Dibenzofuran	1.88	0.0160	0.0320	ug/L	1	1.60	---	117	76 - 121%	2	30%	
Surr: Acenaphthylene-d8 (Surr)			*Recovery: 95 %*		*Limits: 78-134 %*				*Dilution: 1x*			
Benzo(a)pyrene-d12 (Surr)			*108 %*		*80-132 %*				*"*			

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

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Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0006 - EPA 3510C (Acid Extraction)							**Water**					
Blank (24I0006-BLK1)		Prepared: 09/03/24 09:09		Analyzed: 09/03/24 16:23								
EPA 8270m												
cis-Decalin	ND	0.0200	0.0400	ug/L	1	---	---	---	---	---	---	
C1-Decalin	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C2-Decalin	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Decalin	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
C4-Decalin	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
Naphthalene	**0.251**	0.0200	0.0400	ug/L	1	---	---	---	---	---	---	B
1-Methylnaphthalene	**0.124**	0.0200	0.0400	ug/L	1	---	---	---	---	---	---	B
2-Methylnaphthalene	**0.141**	0.0200	0.0400	ug/L	1	---	---	---	---	---	---	B
C1-Naphthalenes	**0.264**	0.100	0.100	ug/L	1	---	---	---	---	---	---	B
C2-Naphthalenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Naphthalenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C4-Naphthalenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
Acenaphthene	**0.0712**	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	B
Acenaphthylene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Fluorene	**0.0127**	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	B-02, J
C1-Fluorenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C2-Fluorenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Fluorenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
Dibenzothiophene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
C1-Dibenzothiophene	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C2-Dibenzothiophene	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Dibenzothiophene	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C4-Dibenzothiophene	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1-Methylphenanthrene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
C1-Phenanthrenes/Anthracenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C2-Phenanthrenes/Anthracenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Phenanthrenes/Anthracenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C4-Phenanthrenes/Anthracenes	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0006 - EPA 3510C (Acid Extraction)							**Water**					
Blank (24I0006-BLK1)		Prepared: 09/03/24 09:09		Analyzed: 09/03/24 16:23								
C1-Fluoranthenes/Pyrenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C2-Fluoranthenes/Pyrenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Fluoranthenes/Pyrenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C4-Fluoranthenes/Pyrenes	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
C1-Chrysenes/Benz(a)anthracenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C2-Chrysenes/Benz(a)anthracenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C3-Chrysenes/Benz(a)anthracenes	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
C4-Chrysenes/Benz(a)anthracenes	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0150	0.0300	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0150	0.0300	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0150	0.0300	ug/L	1	---	---	---	---	---	---	
Benzo(e)pyrene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Perylene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1'-Biphenyl	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
2,6-Dimethylnaphthalene	ND	0.0200	0.0400	ug/L	1	---	---	---	---	---	---	
1,6,7-Trimethylnaphthalene	ND	0.0200	0.0400	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 94 %*		*Limits: 44-120 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)		*75 %*		*44-120 %*			*"*					
Acenaphthylene-d8 (Surr)		*78 %*		*45-120 %*			*"*					
p-Terphenyl-d14 (Surr)		*73 %*		*50-134 %*			*"*					
Benzo(a)pyrene-d12 (Surr)		*92 %*		*63-120 %*			*"*					
LCS (24I0006-BS1)		Prepared: 09/03/24 09:09		Analyzed: 09/03/24 16:56								
EPA 8270m												
cis-Decalin	2.55	0.0200	0.0400	ug/L	1	4.00	---	64	40 - 120%	---	---	
Naphthalene	3.06	0.0200	0.0400	ug/L	1	4.00	---	76	40 - 121%	---	---	B
1-Methylnaphthalene	3.22	0.0200	0.0400	ug/L	1	4.00	---	81	41 - 120%	---	---	B
2-Methylnaphthalene	3.39	0.0200	0.0400	ug/L	1	4.00	---	85	40 - 121%	---	---	B
Acenaphthene	3.10	0.0100	0.0200	ug/L	1	4.00	---	78	47 - 122%	---	---	B

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0006 - EPA 3510C (Acid Extraction)							**Water**					
LCS (24I0006-BS1)		Prepared: 09/03/24 09:09		Analyzed: 09/03/24 16:56								
Acenaphthylene	3.07	0.0100	0.0200	ug/L	1	4.00	---	77	41 - 130%	---	---	
Dibenzofuran	3.24	0.0100	0.0200	ug/L	1	4.00	---	81	53 - 120%	---	---	
Fluorene	3.22	0.0100	0.0200	ug/L	1	4.00	---	80	52 - 124%	---	---	B-02
Dibenzothiophene	3.29	0.0100	0.0200	ug/L	1	4.00	---	82	40 - 120%	---	---	
Phenanthrene	3.11	0.0100	0.0200	ug/L	1	4.00	---	78	59 - 120%	---	---	
Anthracene	3.13	0.0100	0.0200	ug/L	1	4.00	---	78	57 - 123%	---	---	
1-Methylphenanthrene	3.61	0.0100	0.0200	ug/L	1	4.00	---	90	40 - 120%	---	---	
Fluoranthene	3.81	0.0100	0.0200	ug/L	1	4.00	---	95	57 - 128%	---	---	
Pyrene	3.29	0.0100	0.0200	ug/L	1	4.00	---	82	57 - 126%	---	---	
Chrysene	3.37	0.0100	0.0200	ug/L	1	4.00	---	84	59 - 123%	---	---	
Benz(a)anthracene	3.59	0.0100	0.0200	ug/L	1	4.00	---	90	58 - 125%	---	---	
Benzo(b)fluoranthene	3.76	0.0150	0.0300	ug/L	1	4.00	---	94	53 - 131%	---	---	
Benzo(k)fluoranthene	3.67	0.0150	0.0300	ug/L	1	4.00	---	92	57 - 129%	---	---	
Benzo(a)pyrene	3.69	0.0150	0.0300	ug/L	1	4.00	---	92	54 - 128%	---	---	
Benzo(e)pyrene	3.70	0.0100	0.0200	ug/L	1	4.00	---	92	67 - 120%	---	---	
Perylene	3.22	0.0100	0.0200	ug/L	1	4.00	---	81	62 - 130%	---	---	
Indeno(1,2,3-cd)pyrene	3.30	0.0100	0.0200	ug/L	1	4.00	---	82	52 - 134%	---	---	
Dibenz(a,h)anthracene	3.26	0.0100	0.0200	ug/L	1	4.00	---	81	51 - 134%	---	---	
Benzo(g,h,i)perylene	3.22	0.0100	0.0200	ug/L	1	4.00	---	81	50 - 134%	---	---	
1,1'-Biphenyl	3.17	0.0500	0.100	ug/L	1	4.00	---	79	49 - 120%	---	---	
2,6-Dimethylnaphthalene	3.11	0.0200	0.0400	ug/L	1	4.00	---	78	35 - 120%	---	---	
1,6,7-Trimethylnaphthalene	3.19	0.0200	0.0400	ug/L	1	4.00	---	80	40 - 120%	---	---	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 98 %*		*Limits: 44-120 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*79 %*		*44-120 %*		*"*					
Acenaphthylene-d8 (Surr)			*87 %*		*45-120 %*		*"*					
p-Terphenyl-d14 (Surr)			*81 %*		*50-134 %*		*"*					
Benzo(a)pyrene-d12 (Surr)			*98 %*		*63-120 %*		*"*					
LCS Dup (24I0006-BSD1)		Prepared: 09/03/24 09:09		Analyzed: 09/03/24 17:30								**Q-19**
EPA 8270m												
cis-Decalin	2.51	0.0200	0.0400	ug/L	1	4.00	---	63	40 - 120%	2	30%	
Naphthalene	2.97	0.0200	0.0400	ug/L	1	4.00	---	74	40 - 121%	3	30%	B
1-Methylnaphthalene	3.25	0.0200	0.0400	ug/L	1	4.00	---	81	41 - 120%	0.8	30%	B
2-Methylnaphthalene	3.43	0.0200	0.0400	ug/L	1	4.00	---	86	40 - 121%	1	30%	B

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13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0006 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (24I0006-BSD1)		Prepared: 09/03/24 09:09		Analyzed: 09/03/24 17:30								**Q-19**
Acenaphthene	3.07	0.0100	0.0200	ug/L	1	4.00	---	77	47 - 122%	1	30%	B
Acenaphthylene	3.05	0.0100	0.0200	ug/L	1	4.00	---	76	41 - 130%	0.6	30%	
Dibenzofuran	3.23	0.0100	0.0200	ug/L	1	4.00	---	81	53 - 120%	0.4	30%	
Fluorene	3.19	0.0100	0.0200	ug/L	1	4.00	---	80	52 - 124%	0.7	30%	B-02
Dibenzothiophene	3.22	0.0100	0.0200	ug/L	1	4.00	---	81	40 - 120%	2	30%	
Phenanthrene	3.06	0.0100	0.0200	ug/L	1	4.00	---	76	59 - 120%	2	30%	
Anthracene	3.21	0.0100	0.0200	ug/L	1	4.00	---	80	57 - 123%	3	30%	
1-Methylphenanthrene	3.57	0.0100	0.0200	ug/L	1	4.00	---	89	40 - 120%	1	30%	
Fluoranthene	3.77	0.0100	0.0200	ug/L	1	4.00	---	94	57 - 128%	1	30%	
Pyrene	3.18	0.0100	0.0200	ug/L	1	4.00	---	79	57 - 126%	4	30%	
Chrysene	3.20	0.0100	0.0200	ug/L	1	4.00	---	80	59 - 123%	5	30%	
Benz(a)anthracene	3.51	0.0100	0.0200	ug/L	1	4.00	---	88	58 - 125%	2	30%	
Benzo(b)fluoranthene	3.54	0.0150	0.0300	ug/L	1	4.00	---	89	53 - 131%	6	30%	
Benzo(k)fluoranthene	3.34	0.0150	0.0300	ug/L	1	4.00	---	83	57 - 129%	9	30%	
Benzo(a)pyrene	3.52	0.0150	0.0300	ug/L	1	4.00	---	88	54 - 128%	5	30%	
Benzo(e)pyrene	3.46	0.0100	0.0200	ug/L	1	4.00	---	87	67 - 120%	6	30%	
Perylene	2.92	0.0100	0.0200	ug/L	1	4.00	---	73	62 - 130%	10	30%	
Indeno(1,2,3-cd)pyrene	2.98	0.0100	0.0200	ug/L	1	4.00	---	74	52 - 134%	10	30%	
Dibenz(a,h)anthracene	2.90	0.0100	0.0200	ug/L	1	4.00	---	72	51 - 134%	12	30%	
Benzo(g,h,i)perylene	2.86	0.0100	0.0200	ug/L	1	4.00	---	72	50 - 134%	12	30%	
1,1'-Biphenyl	3.26	0.0500	0.100	ug/L	1	4.00	---	81	49 - 120%	3	30%	
2,6-Dimethylnaphthalene	3.21	0.0200	0.0400	ug/L	1	4.00	---	80	35 - 120%	3	30%	
1,6,7-Trimethylnaphthalene	3.16	0.0200	0.0400	ug/L	1	4.00	---	79	40 - 120%	0.9	30%	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 95 %*	*Limits: 44-120 %*	*Dilution: 1x*
2-Fluorobiphenyl (Surr)	*76 %*	*44-120 %*	*"*
Acenaphthylene-d8 (Surr)	*86 %*	*45-120 %*	*"*
p-Terphenyl-d14 (Surr)	*76 %*	*50-134 %*	*"*
Benzo(a)pyrene-d12 (Surr)	*96 %*	*63-120 %*	*"*

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

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Cameron O'Brien, Project Manager

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13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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 24I0133 - EPA 3015A												**Water**
Blank (24I0133-BLK1)		Prepared: 09/05/24 14:52		Analyzed: 09/05/24 21:44								
EPA 6020B												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
LCS (24I0133-BS1)		Prepared: 09/05/24 14:52		Analyzed: 09/05/24 21:49								
EPA 6020B												
Arsenic	55.1	---	1.00	ug/L	1	55.6	---	99	80 - 120%	---	---	

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

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QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved 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 24I0193 - Matrix Matched Direct Inject												**Water**
Blank (24I0193-BLK1)			Prepared: 09/06/24 15:24		Analyzed: 09/19/24 17:01							
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	FILT3
LCS (24I0193-BS1)			Prepared: 09/06/24 15:24		Analyzed: 09/19/24 17:06							
EPA 6020B (Diss)												
Arsenic	53.7	---	1.00	ug/L	1	55.6	---	97	80 - 120%	---	---	
Duplicate (24I0193-DUP1)			Prepared: 09/06/24 15:24		Analyzed: 09/19/24 17:18							
QC Source Sample: MW-108R-20240827 (A4H1527-01RE1)												
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	ND	---	---	---	20%	FILT1
Matrix Spike (24I0193-MS1)			Prepared: 09/06/24 15:24		Analyzed: 09/19/24 17:44							
QC Source Sample: MW-105-20240827 (A4H1527-02RE1)												
EPA 6020B (Diss)												
Arsenic	59.8	---	1.00	ug/L	1	55.6	1.52	105	75 - 125%	---	---	FILT1

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

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QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved 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 24I0202 - Matrix Matched Direct Inject												**Water**
Blank (24I0202-BLK1)		Prepared: 09/06/24 17:41		Analyzed: 09/09/24 13:28								
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
LCS (24I0202-BS1)		Prepared: 09/06/24 17:41		Analyzed: 09/09/24 13:34								
EPA 6020B (Diss)												
Arsenic	54.3	---	1.00	ug/L	1	55.6	---	98	80 - 120%	---	---	
Duplicate (24I0202-DUP1)		Prepared: 09/06/24 17:41		Analyzed: 09/09/24 13:46								
QC Source Sample: MW-108R-20240827 (A4H1527-01)												
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	ND	---	---	---	20%	
Matrix Spike (24I0202-MS1)		Prepared: 09/06/24 17:41		Analyzed: 09/09/24 13:59								
QC Source Sample: MW-108R-20240827 (A4H1527-01)												
EPA 6020B (Diss)												
Arsenic	67.9	---	1.00	ug/L	1	55.6	ND	122	75 - 125%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Anions by Ion Chromatography

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1035 - Method Prep: Aq							**Water**					
Blank (24H1035-BLK1)		Prepared: 08/28/24 13:16		Analyzed: 08/28/24 14:32								
EPA 300.0												
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	---	---	---	---	---	---	
Sulfate	ND	---	1.00	mg/L	1	---	---	---	---	---	---	
LCS (24H1035-BS1)		Prepared: 08/28/24 13:16		Analyzed: 08/28/24 14:53								
EPA 300.0												
Nitrate-Nitrogen	1.97	---	0.250	mg/L	1	2.00	---	98	90 - 110%	---	---	
Sulfate	8.04	---	1.00	mg/L	1	8.00	---	100	90 - 110%	---	---	
Duplicate (24H1035-DUP2)		Prepared: 08/28/24 13:16		Analyzed: 08/28/24 20:17								
QC Source Sample: MW-108R-20240827 (A4H1527-01)												
EPA 300.0												
Nitrate-Nitrogen	**3.56**	---	0.250	mg/L	1	---	3.50	---	---	2	10%	
Sulfate	ND	---	1.00	mg/L	1	---	ND	---	---	---	10%	
Matrix Spike (24H1035-MS2)		Prepared: 08/28/24 13:16		Analyzed: 08/28/24 20:38								
QC Source Sample: MW-108R-20240827 (A4H1527-01)												
EPA 300.0												
Nitrate-Nitrogen	4.97	---	0.312	mg/L	1	2.50	3.50	**59**	**87 - 112%**	---	---	Q-02
Sulfate	9.60	---	1.25	mg/L	1	10.0	ND	96	88 - 115%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1095 - Total Suspended Solids - 2022												**Water**
Blank (24H1095-BLK1)		Prepared: 08/29/24 18:15		Analyzed: 08/29/24 18:15								
SM 2540 D												
Total Suspended Solids	**5.00**	---	5.00	mg/L	1	---	---	---	---	---	---	B
Reference (24H1095-SRM1)		Prepared: 08/29/24 18:15		Analyzed: 08/29/24 18:15								
SM 2540 D												
Total Suspended Solids	869	---		mg/L	1	842		103	85 - 115%	---	---	B

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

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1098 - Total Dissolved Solids - 2022												**Water**
Blank (24H1098-BLK1)			Prepared: 08/29/24 18:43		Analyzed: 08/29/24 18:43							
SM 2540 C												
Total Dissolved Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (24H1098-DUP2)			Prepared: 08/29/24 18:43		Analyzed: 08/29/24 18:43							
QC Source Sample: MW-108R-20240827 (A4H1527-01)												
SM 2540 C												
Total Dissolved Solids	**7800**	---	500	mg/L	1	---	7100	---	---	9.40	10%	
Reference (24H1098-SRM1)			Prepared: 08/29/24 18:43		Analyzed: 08/29/24 18:43							
SM 2540 C												
Total Dissolved Solids	2470	---		mg/L	1	2320		107	82 - 118%	---	---	

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Cameron O'Brien, Project Manager

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

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1132 - Total Suspended Solids - 2022												**Water**
Blank (24H1132-BLK1)		Prepared: 08/30/24 15:41		Analyzed: 08/30/24 15:41								
SM 2540 D												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Reference (24H1132-SRM1)		Prepared: 08/30/24 15:41		Analyzed: 08/30/24 15:41								
SM 2540 D												
Total Suspended Solids	857	---		mg/L	1	842		102	85 - 115%	---	---	

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

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Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24H1066 - Method Prep: Aq							**Water**					
Blank (24H1066-BLK1)		Prepared: 08/29/24 08:35		Analyzed: 08/29/24 10:02								
SM 2320 B												
Total Alkalinity	ND	---	20.0	mg CaCO3/L	1	---	---	---	---	---	---	
Bicarbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	---	---	---	---	---	---	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	---	---	---	---	---	---	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	---	---	---	---	---	---	
LCS (24H1066-BS1)		Prepared: 08/29/24 08:35		Analyzed: 08/29/24 10:15								
SM 2320 B												
Total Alkalinity	108	---	20.0	mg CaCO3/L	1	100	---	108	90 - 115%	---	---	
Duplicate (24H1066-DUP1)		Prepared: 08/29/24 08:35		Analyzed: 08/29/24 10:53								
QC Source Sample: MW-108R-20240827 (A4H1527-01)												
SM 2320 B												
Total Alkalinity	**2820**	---	20.0	mg CaCO3/L	1	---	2790	---	---	1	5%	
Bicarbonate Alkalinity	**2820**	---	20.0	mg CaCO3/L	1	---	2790	---	---	1	5%	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	---	ND	---	---	---	5%	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	---	ND	---	---	---	5%	

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SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

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

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24H1121							
A4H1527-03	Water	NWTPH-Dx LL	08/27/24 15:05	08/30/24 11:12	1040mL/2mL	1000mL/2mL	0.96
A4H1527-04	Water	NWTPH-Dx LL	08/27/24 18:10	08/30/24 11:12	1050mL/2mL	1000mL/2mL	0.95
A4H1527-07	Water	NWTPH-Dx LL	08/27/24 14:43	08/30/24 11:12	1020mL/2mL	1000mL/2mL	0.98
A4H1527-08	Water	NWTPH-Dx LL	08/27/24 16:50	08/30/24 11:12	1070mL/2mL	1000mL/2mL	0.94
Batch: 24I0016							
A4H1527-01	Water	NWTPH-Dx LL	08/27/24 11:40	09/03/24 09:58	1020mL/2mL	1000mL/2mL	0.98
A4H1527-02RE1	Water	NWTPH-Dx LL	08/27/24 13:30	09/03/24 09:58	1030mL/2mL	1000mL/2mL	0.97
Batch: 24I0225							
A4H1527-05	Water	NWTPH-Dx LL	08/27/24 11:17	09/09/24 10:12	1040mL/2mL	1000mL/2mL	0.96
A4H1527-06	Water	NWTPH-Dx LL	08/27/24 12:47	09/09/24 10:12	1050mL/2mL	1000mL/2mL	0.95

Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup

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

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0646							
A4H1527-03	Water	NWTPH-Dx/SGC	08/27/24 15:05	08/30/24 11:12	1040mL/2mL	1000mL/2mL	0.96
A4H1527-07	Water	NWTPH-Dx/SGC	08/27/24 14:43	08/30/24 11:12	1020mL/2mL	1000mL/2mL	0.98

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

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0209							
A4H1527-02	Water	NWTPH-Gx (MS)	08/27/24 13:30	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-03	Water	NWTPH-Gx (MS)	08/27/24 15:05	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-04	Water	NWTPH-Gx (MS)	08/27/24 18:10	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-05	Water	NWTPH-Gx (MS)	08/27/24 11:17	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-06	Water	NWTPH-Gx (MS)	08/27/24 12:47	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-07	Water	NWTPH-Gx (MS)	08/27/24 14:43	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-08	Water	NWTPH-Gx (MS)	08/27/24 16:50	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
Batch: 24I0307							
A4H1527-01RE1	Water	NWTPH-Gx (MS)	08/27/24 11:40	09/11/24 09:00	5mL/5mL	5mL/5mL	1.00

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

SAMPLE PREPARATION INFORMATION

BTEX Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0209							
A4H1527-02	Water	EPA 8260D	08/27/24 13:30	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-03	Water	EPA 8260D	08/27/24 15:05	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-04	Water	EPA 8260D	08/27/24 18:10	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-05	Water	EPA 8260D	08/27/24 11:17	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-06	Water	EPA 8260D	08/27/24 12:47	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-07	Water	EPA 8260D	08/27/24 14:43	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
A4H1527-08	Water	EPA 8260D	08/27/24 16:50	09/09/24 08:58	5mL/5mL	5mL/5mL	1.00
Batch: 24I0307							
A4H1527-01RE1	Water	EPA 8260D	08/27/24 11:40	09/11/24 09:00	5mL/5mL	5mL/5mL	1.00

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Prep: EPA 3511 (Bottle Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24H1080							
A4H1527-04RE1	Water	EPA 8270E LVI	08/27/24 18:10	08/29/24 11:04	109.29mL/5mL	125mL/5mL	1.14
A4H1527-08	Water	EPA 8270E LVI	08/27/24 16:50	08/29/24 11:04	100.76mL/5mL	125mL/5mL	1.24
Batch: 24I0001							
A4H1527-01RE2	Water	EPA 8270E LVI	08/27/24 11:40	09/03/24 07:10	105.74mL/5mL	125mL/5mL	1.18
A4H1527-02RE2	Water	EPA 8270E LVI	08/27/24 13:30	09/03/24 07:10	108.71mL/5mL	125mL/5mL	1.15
A4H1527-03RE1	Water	EPA 8270E LVI	08/27/24 15:05	09/03/24 07:10	109.48mL/5mL	125mL/5mL	1.14
A4H1527-05RE2	Water	EPA 8270E LVI	08/27/24 11:17	09/03/24 07:10	112.39mL/5mL	125mL/5mL	1.11
A4H1527-06RE2	Water	EPA 8270E LVI	08/27/24 12:47	09/03/24 07:10	110.62mL/5mL	125mL/5mL	1.13
A4H1527-07RE2	Water	EPA 8270E LVI	08/27/24 14:43	09/03/24 07:10	105.39mL/5mL	125mL/5mL	1.19

Polyaromatic Hydrocarbons (PAHs) and PAH Homologs by EPA 8270E Modified

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0006							
A4H1527-03	Water	EPA 8270m	08/27/24 15:05	09/03/24 09:09	1000mL/1mL	1000mL/1mL	1.00
A4H1527-03RE1	Water	EPA 8270m	08/27/24 15:05	09/03/24 09:09	1000mL/1mL	1000mL/1mL	1.00
A4H1527-07RE2	Water	EPA 8270m	08/27/24 14:43	09/03/24 09:09	1070mL/1mL	1000mL/1mL	0.94

Total Metals by EPA 6020B (ICPMS)

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ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: Union Station	
13555 SE 36th Street, Suite 320	Project Number: 2644-001	Report ID:
Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0133							
A4H1527-01	Water	EPA 6020B	08/27/24 11:40	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-02	Water	EPA 6020B	08/27/24 13:30	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-03	Water	EPA 6020B	08/27/24 15:05	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-04	Water	EPA 6020B	08/27/24 18:10	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-05	Water	EPA 6020B	08/27/24 11:17	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-06	Water	EPA 6020B	08/27/24 12:47	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-07	Water	EPA 6020B	08/27/24 14:43	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00
A4H1527-08	Water	EPA 6020B	08/27/24 16:50	09/05/24 14:52	45mL/50mL	45mL/50mL	1.00

Dissolved Metals by EPA 6020B (ICPMS)

Prep: Matrix Matched Direct Inject

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0193							
A4H1527-08RE1	Water	EPA 6020B (Diss)	08/27/24 16:50	09/06/24 15:24	45mL/50mL	45mL/50mL	1.00
Batch: 24I0202							
A4H1527-01	Water	EPA 6020B (Diss)	08/27/24 11:40	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-02	Water	EPA 6020B (Diss)	08/27/24 13:30	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-03	Water	EPA 6020B (Diss)	08/27/24 15:05	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-04	Water	EPA 6020B (Diss)	08/27/24 18:10	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-05	Water	EPA 6020B (Diss)	08/27/24 11:17	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-06	Water	EPA 6020B (Diss)	08/27/24 12:47	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-07	Water	EPA 6020B (Diss)	08/27/24 14:43	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00
A4H1527-08	Water	EPA 6020B (Diss)	08/27/24 16:50	09/06/24 17:41	45mL/50mL	45mL/50mL	1.00

Anions by Ion Chromatography

Prep: Method Prep: Aq

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24H1035							
A4H1527-01	Water	EPA 300.0	08/27/24 11:40	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00
A4H1527-02	Water	EPA 300.0	08/27/24 13:30	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00
A4H1527-03	Water	EPA 300.0	08/27/24 15:05	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00
A4H1527-04	Water	EPA 300.0	08/27/24 18:10	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00
A4H1527-05	Water	EPA 300.0	08/27/24 11:17	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00
A4H1527-06	Water	EPA 300.0	08/27/24 12:47	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00

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Bellevue, WA 98006	Project Manager: James Welles	A4H1527 - 09 27 24 1522

SAMPLE PREPARATION INFORMATION

Anions by Ion Chromatography

Prep: Method Prep: Aq

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4H1527-07	Water	EPA 300.0	08/27/24 14:43	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00
A4H1527-08	Water	EPA 300.0	08/27/24 16:50	08/28/24 13:16	5mL/5mL	5mL/5mL	1.00

Solid and Moisture Determinations

Prep: Total Dissolved Solids - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24H1098							
A4H1527-01	Water	SM 2540 C	08/27/24 11:40	08/29/24 18:43			NA
A4H1527-02	Water	SM 2540 C	08/27/24 13:30	08/29/24 18:43			NA
A4H1527-03	Water	SM 2540 C	08/27/24 15:05	08/29/24 18:43			NA
A4H1527-04	Water	SM 2540 C	08/27/24 18:10	08/29/24 18:43			NA
A4H1527-05	Water	SM 2540 C	08/27/24 11:17	08/29/24 18:43			NA
A4H1527-06	Water	SM 2540 C	08/27/24 12:47	08/29/24 18:43			NA
A4H1527-07	Water	SM 2540 C	08/27/24 14:43	08/29/24 18:43			NA
A4H1527-08	Water	SM 2540 C	08/27/24 16:50	08/29/24 18:43			NA

Prep: Total Suspended Solids - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24H1095							
A4H1527-03	Water	SM 2540 D	08/27/24 15:05	08/29/24 18:15			NA
A4H1527-04	Water	SM 2540 D	08/27/24 18:10	08/29/24 18:15			NA
Batch: 24H1132							
A4H1527-01RE1	Water	SM 2540 D	08/27/24 11:40	08/30/24 15:41			NA
A4H1527-02RE1	Water	SM 2540 D	08/27/24 13:30	08/30/24 15:41			NA
A4H1527-05RE1	Water	SM 2540 D	08/27/24 11:17	08/30/24 15:41			NA
A4H1527-06RE1	Water	SM 2540 D	08/27/24 12:47	08/30/24 15:41			NA
A4H1527-07RE1	Water	SM 2540 D	08/27/24 14:43	08/30/24 15:41			NA
A4H1527-08RE1	Water	SM 2540 D	08/27/24 16:50	08/30/24 15:41			NA

Conventional Chemistry Parameters

Prep: Method Prep: Aq

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24H1066							
A4H1527-01	Water	SM 2320 B	08/27/24 11:40	08/29/24 08:35	60mL/60mL	60mL/60mL	NA

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

SAMPLE PREPARATION INFORMATION

Conventional Chemistry Parameters

Prep: Method Prep: Aq

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4H1527-02	Water	SM 2320 B	08/27/24 13:30	08/29/24 08:35	60mL/60mL	60mL/60mL	NA
A4H1527-03	Water	SM 2320 B	08/27/24 15:05	08/29/24 08:35	60mL/60mL	60mL/60mL	NA
A4H1527-04	Water	SM 2320 B	08/27/24 18:10	08/29/24 08:35	60mL/60mL	60mL/60mL	NA
A4H1527-05	Water	SM 2320 B	08/27/24 11:17	08/29/24 08:35	60mL/60mL	60mL/60mL	NA
A4H1527-06	Water	SM 2320 B	08/27/24 12:47	08/29/24 08:35	60mL/60mL	60mL/60mL	NA
A4H1527-07	Water	SM 2320 B	08/27/24 14:43	08/29/24 08:35	60mL/60mL	60mL/60mL	NA
A4H1527-08	Water	SM 2320 B	08/27/24 16:50	08/29/24 08:35	60mL/60mL	60mL/60mL	NA

Lab Filtration

Prep: Lab Filtration

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24I0084							
A4H1527-01	Water	NA	08/27/24 11:40	09/04/24 14:37	150mL/150mL		NA
A4H1527-02	Water	NA	08/27/24 13:30	09/04/24 14:39	150mL/150mL		NA
A4H1527-03	Water	NA	08/27/24 15:05	09/04/24 14:40	150mL/150mL		NA
A4H1527-04	Water	NA	08/27/24 18:10	09/04/24 14:42	150mL/150mL		NA
A4H1527-05	Water	NA	08/27/24 11:17	09/04/24 14:44	150mL/150mL		NA
A4H1527-06	Water	NA	08/27/24 12:47	09/04/24 14:47	150mL/150mL		NA
A4H1527-07	Water	NA	08/27/24 14:43	09/04/24 14:49	150mL/150mL		NA
A4H1527-08	Water	NA	08/27/24 16:50	09/04/24 14:56	150mL/150mL		NA

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

QUALIFIER DEFINITIONS

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

Apex Laboratories

B	Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
DCNT	Sample decanted due to the presence of sediment. Sample bottle not rinsed with solvent.
F-03	The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
F-13	The chromatographic pattern does not resemble the fuel standard used for quantitation
F-17	No fuel pattern detected. The Diesel result represents carbon range C10 to C25, and the Oil result represents >C25 to C40.
FILT1	Sample was lab filtered and acid preserved prior to analysis. See sample preparation section of report for date and time of filtration.
FILT3	This is a laboratory filtration blank, associated with filtration batch 24i0084. See Prep page of report for associated samples.
H-01	Analyzed outside the recommended holding time.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified DL.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
PRES	Incomplete field preservation. Additional preservative was added to adjust the pH within the appropriate range for this analysis.
Q-02	Spike recovery is outside of established control limits due to matrix interference.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-29	Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
TSS	Dried residue was less than 2.5mg as specified in the method. Results meet regulatory requirements.
V-01	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

Apex Laboratories

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Cameron O'Brien, Project Manager

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

ANALYTICAL REPORT

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

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

NR Result Not Reported.

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.
-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.

Apex Laboratories

Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.
'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

Cameron O'Brien, Project Manager

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Apex Laboratories, LLC
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503-718-2323
ORELAP ID: **OR100062**

Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

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
Water	**EPA 8270m**		**1,6,7-Trimethylnaphthalene**	**6852**	
Water	**EPA 8270m**		**2,6-Dimethylnaphthalene**	**6188**	
Water	**EPA 8270m**		**C1-Chrysenes/Benz(a)anthracenes**	**6639**	
Water	**EPA 8270m**		**C1-Decalin**	**6604**	
Water	**EPA 8270m**		**C1-Dibenzothiophene**	**6591**	
Water	**EPA 8270m**		**C1-Fluoranthenes/Pyrenes**	**6606**	
Water	**EPA 8270m**		**C1-Fluorenes**	**6607**	
Water	**EPA 8270m**		**C1-Naphthalenes**	**6609**	
Water	**EPA 8270m**		**C1-Phenanthrenes/Anthracenes**	**6611**	
Water	**EPA 8270m**		**C2-Chrysenes/Benz(a)anthracenes**	**6641**	
Water	**EPA 8270m**		**C2-Decalin**	**6616**	
Water	**EPA 8270m**		**C2-Dibenzothiophene**	**6592**	
Water	**EPA 8270m**		**C2-Fluoranthenes/Pyrenes**		
Water	**EPA 8270m**		**C2-Fluorenes**	**6618**	
Water	**EPA 8270m**		**C2-Naphthalenes**	**6619**	
Water	**EPA 8270m**		**C2-Phenanthrenes/Anthracenes**	**6621**	
Water	**EPA 8270m**		**C3-Chrysenes/Benz(a)anthracenes**	**6643**	
Water	**EPA 8270m**		**C3-Decalin**	**6626**	
Water	**EPA 8270m**		**C3-Dibenzothiophene**	**6593**	
Water	**EPA 8270m**		**C3-Fluoranthenes/Pyrenes**		
Water	**EPA 8270m**		**C3-Fluorenes**	**6628**	
Water	**EPA 8270m**		**C3-Naphthalenes**	**6629**	
Water	**EPA 8270m**		**C3-Phenanthrenes/Anthracenes**	**6631**	
Water	**EPA 8270m**		**C4-Chrysenes/Benz(a)anthracenes**	**6649**	
Water	**EPA 8270m**		**C4-Decalin**	**6636**	
Water	**EPA 8270m**		**C4-Dibenzothiophene**	**6594**	
Water	**EPA 8270m**		**C4-Fluoranthenes/Pyrenes**		
Water	**EPA 8270m**		**C4-Naphthalenes**	**6637**	

Apex Laboratories

Cameron O'Brien, Project Manager

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Water	**EPA 8270m**	**C4-Phenanthrenes/Anthracenes**	**6638**
Water	**EPA 8270m**	**cis-Decalin**	**NA**
Water	**EPA 8270m**	**Dibenzothiophene**	**5910**

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

Cameron O'Brien, Project Manager

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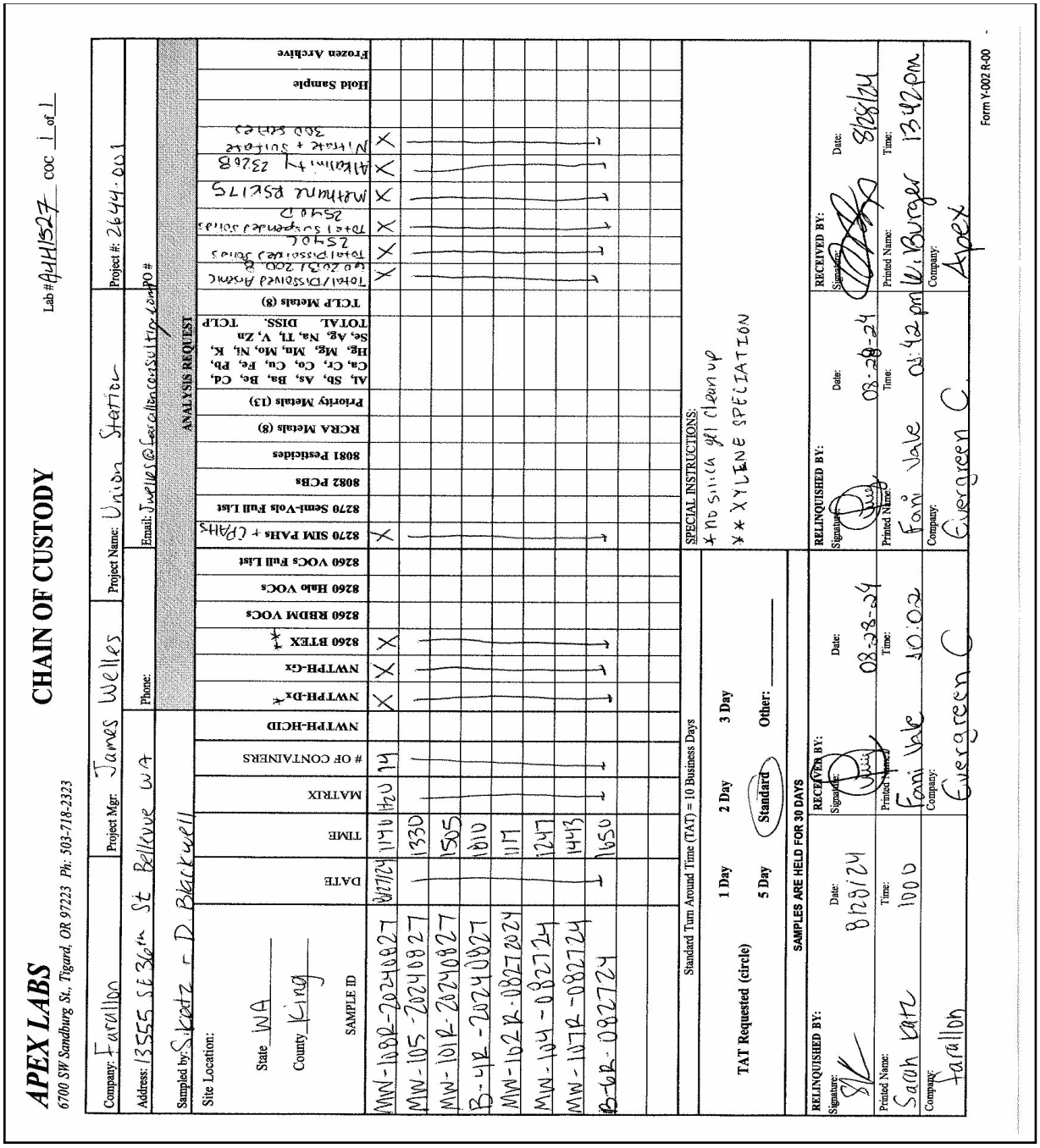
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**



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

CHAIN OF CUSTODY

Lab # A4H1527 COC 1 of 1

Company: Farallon | Project Mgr: James Welles | Project Name: Union Station | Project #: 2644.001

Address: 13555 SE 36th St Bellevue WA | Phone: | Email: JWelles@farallonconsulting.com | PO #

Sampled by: Skatz + D Blackwell

Site Location: State WA County King

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 + cPAHs	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)	Total/Dissolved Arsenic 6020/6020A 200.8	Total Dissolved Solids 2540C	Total Suspended Solids 2540D	Manual pSCI75	Alkalinity 2320B	Nitrate + Nitrite 300.0/353.2	Hold Sample	Frozen Archive
MW-108R-20240827	8/27/24	1120	H2O	14		X	X	X				X							X	X	X	X	X	X		
MW-105-20240827		1330		1															1	1	1	1	1	1		
MW-101R-20240827		1505		1															1	1	1	1	1	1		
B-4R-20240827		1010		1															1	1	1	1	1	1		
MW-106R-082724		1117		1															1	1	1	1	1	1		
MW-104-082724		1247		1															1	1	1	1	1	1		
MW-107R-082724		1443		1															1	1	1	1	1	1		
B-6R-082724	↓	1650	↓	1		↓	↓	↓				↓							1	1	1	1	1	1		

Standard Turn Around Time (TAT) = 10 Business Days

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

SAMPLES ARE HELD FOR 30 DAYS

SPECIAL INSTRUCTIONS:
* No silica gel clean up
** XYLENE SPECIATION

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:	8/28/24		Signature:		
Printed Name: Sarah Katz		1000	Printed Name: Fani Vale	08-28-24	10:02
Company: Farallon			Company: Evergreen C		

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:	08-28-24		Signature:		
Printed Name:			Printed Name: Fani Vale	08-28-24	01:42 pm
Company: Evergreen C			Company: Apex		

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:			Signature:	8/28/24	
Printed Name:			Printed Name: W. Burger		1342pm
Company:			Company: Apex		

Form Y-002 R-00

Apex Laboratories

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WO# A4H1527

COC/Container Discrepancies

COC Reads	Container Reads/Comments
MW-102R-08272024	MW-102R-~~08272024~~ 082724
B-6R-082724	NO + on 1/2 HCl Ambers
MW-101R-20240827	1/2 HCl Amber & FF Nitric read: MW-101R-20240824
B-4R-20240827	1/2 HCl Amber ~~& FF Nitric reads~~: B-4R-20240824

Form Y-004 R-00

Apex Laboratories

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Farallon Consulting - Bellevue	Project: **Union Station**	
13555 SE 36th Street, Suite 320	Project Number: **2644-001**	**Report ID:**
Bellevue, WA 98006	Project Manager: **James Welles**	**A4H1527 - 09 27 24 1522**

APEX LABS COOLER RECEIPT FORM

Client: Farallon Element WO#: A4H1527

Project/Project #: Union Station 2644-001

Delivery Info:

Date/time received: 8/28/24 @ 1342 By: WAWS

Delivered by: Apex__Client__ESS__FedEx__UPS__Radio__Morgan__SDS__Evergreen X Other ~~X~~ WAWS 8/28/24

From USDA Regulated Origin? Yes ____ No X

Cooler Inspection Date/time inspected: 8/28/24 @ 1357 By: WAWS

Chain of Custody included? Yes X No ____

Signed/dated by client? Yes X No ____

Contains USDA Reg. Soils? Yes ____ No X Unsure (email RegSoils) ____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.6	0.6	4.6	2.3			
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: 8/28/24 @ 1426 By: AMW

All samples intact? Yes X No ___ Comments: ____

Bottle labels/COCs agree? Yes ___ No X Comments: ~~MW-102R-08272024 cont. IDs reqd~~ AMW 8/29 MW-102R-082724 See Form

COC/container discrepancies form initiated? Yes X No ___

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

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

Comments MW-108R and MW-105 6/6 VOAs have HS

Water samples: pH checked: Yes X No ___ NA ___ pH appropriate? Yes ___ No X NA ___ pH ID: ARSIT72

Comments: ph=7 for 1L Ambers 2/2 MW-108R, MW-105, MW-101R, B-4R, MW-107R and B-6R. MW-107R 1/2 1L Ambers are less full to preserve

Labeled by: KAM Witness: AMW Cooler Inspected by: AMW

Form Y-003 R-02

Apex Laboratories

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Cameron O'Brien, Project Manager

Air TECHNOLOGY
Laboratories, Inc.

September 19, 2024

LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C, ASTM D1946, RSK-175
TX Cert T104704450-14-6
EPA Methods TO14A, TO15
UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175
ALASKA CS-LAP 24-002
EPA Methods TO14A, TO15

Apex Laboratories
ATTN: Cameron O'Brien
6700 S.W. Sandburg St.
Tigard, OR 97223

LABORATORY TEST RESULTS

Project Reference: A4H1527
Lab Number: R083007-01/08

Enclosed are results for sample(s) received 8/30/24 by Air Technology Laboratories. Samples were received intact and chilled to 4° C. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUBCONTRACT ORDER

Apex Laboratories

OB 8/28/24 **A4H1527** MW R083007-01/08

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Cameron O'Brien

RECEIVING LABORATORY:

Air Technology Laboratories, Inc
18501 E. Gale Ave Suite 130
City of Industry, CA 91748
Phone :(626) 964-4032
Fax: (626) 964-5832

01 **Sample Name: MW-108R-20240827** **Water** **Sampled: 08/27/24 11:40** (A4H1527-01)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 11:40	Methane only
Containers Supplied:			3/3 voas have HS OB 8/28/24
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

02 **Sample Name: MW-105-20240827** **Water** **Sampled: 08/27/24 13:30** (A4H1527-02)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 13:30	Methane only
Containers Supplied:			3/3 voas have HS OB 8/28/24
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

1/2 1L Amber and 250ml FF Nitric reads MW-1

03 **Sample Name: MW-101R-20240827** **Water** **Sampled: 08/27/24 15:05** (A4H1527-03)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 15:05	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Standard TAT

4°C
HO

Released By	Date	Received By	Date
	8/29/24	UPS (Shipper)	
UPS (Shipper)	8/30/24 10:18		8/30/24 10:18
Released By	Date	Received By	Date

SUBCONTRACT ORDER

Apex Laboratories

GB 8/28/24 **A4H1527** R083007-01/08

1/2 1L Amber B-4R-20240824

04 **Sample Name: B-4R-20240827** **Water** **Sampled: 08/27/24 18:10** (A4H1527-04)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 18:10	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Conts. reads MW-102-082724

05 **Sample Name: MW-102R-08272024** **Water** **Sampled: 08/27/24 11:17** (A4H1527-05)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 11:17	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

06 **Sample Name: MW-104-082724** **Water** **Sampled: 08/27/24 12:47** (A4H1527-06)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 12:47	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

07 **Sample Name: MW-107R-082724** **Water** **Sampled: 08/27/24 14:43** (A4H1527-07)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 14:43	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Standard TAT

4°C
HO

Released By	Date	Received By	Date
[signature]	8/29/24	UPS (Shipper)	
UPS (Shipper)	8/30/24 10:18	[signature]	8/30/24 10:18

SUBCONTRACT ORDER

Apex Laboratories

8/28/24 **A4H1527** R083007 -01/08

No t on 1/2 1L Ambers

08 **Sample Name: B-6R-082724** **Water** **Sampled: 08/27/24 16:50** (A4H1527-08)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	09/11/24 17:00	09/10/24 16:50	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Standard TAT

4°C HO

	8/27/24	UPS (Shipper)	
Released By	Date	Received By	Date
UPS (Shipper)	8/30/24 10:18		8/30/24 10:18
Released By	Date	Received By	Date

Client: Apex Laboratories
Attn: Cameron O'Brien
Project Name: NA
Project No.: A4H1527
Date Received: 08/30/24
Matrix: Water
Reporting Units: ug/L

RSK175

Lab No.:	R083007-01		R083007-02		R083007-03		R083007-04	
Client Sample I.D.:	MW-108R-20240827 (A4H1527-01)		MW-105-20240827 (A4H1527-02)		MW-101R-20240827 (A4H1527-03)		B-4R-20240827 (A4H1527-04)	
Date/Time Sampled:	8/27/24 11:40		8/27/24 13:30		8/27/24 15:05		8/27/24 18:10	
Date/Time Analyzed:	9/9/24 15:32		9/9/24 15:44		9/9/24 15:58		9/9/24 16:11	
QC Batch No.:	240909GC8A2		240909GC8A2		240909GC8A2		240909GC8A2	
Analyst Initials:	AS/KD		AS/KD		AS/KD		AS/KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L
Methane	4,200	1.0	7,300	1.0	10,000	1.0	4,400	1.0

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 9/19/24
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

Client: Apex Laboratories
Attn: Cameron O'Brien
Project Name: NA
Project No.: A4H1527
Date Received: 08/30/24
Matrix: Water
Reporting Units: ug/L

RSK175

Lab No.:	R083007-05		R083007-06		R083007-07		R083007-08	
Client Sample I.D.:	MW-102R-08272024 (A4H1527-05)		MW-104-082724 (A4H1527-06)		MW-107R-082724 (A4H1527-07)		B-6R-082724 (A4H1527-08)	
Date/Time Sampled:	8/27/24 11:17		8/27/24 12:47		8/27/24 14:43		8/27/24 16:50	
Date/Time Analyzed:	9/9/24 16:23		9/9/24 16:36		9/9/24 16:47		9/10/24 8:12	
QC Batch No.:	240909GC8A2		240909GC8A2		240909GC8A2		240909GC8A2	
Analyst Initials:	AS/KD		AS/KD		AS/KD		AS/KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L
Methane	9,700	1.0	9,100	1.0	12,000	1.0	7,500	1.0

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____
Mark Johnson
Operations Manager

Date 9/19/24

The cover letter is an integral part of this analytical report

QC Batch No: 240909GC8A2
Matrix: Water
Reporting Units: ug/L

RSK 175
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	9/9/24 15:13			9/9/24 14:39		9/9/24 14:51					
Analyst Initials:	AS/KD			AS/KD		AS/KD					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result ug/L	RL ug/L	SPIKE AMT. ug/L	Result ug/L	% Rec.	Result ug/L	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Methane	ND	1.0	650	588	90	548	84	7.1	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ **Date** 9/19/24

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

From: Kurt Johnson
To: James Welles
Subject: FW: from Kurt
Date: Tuesday, October 8, 2024 4:26:30 PM
Attachments: image001.png

James,

Per your request we have reviewed the analytical results and NWTPH-D c-grams for your recent water sampling event at your Union Station, Project 2644-001 provided in the Apex Laboratories report for Work Order A4D1728 and A4H1527. Based on this review the NWTPH quantifications for gasoline, diesel and oil range organics (GRO/DRO/ORO) are due to the presence of one or more non-petroleum based materials. The material impacting the groundwater is characteristic of a pyrogenic based material such as coal tar, MGP waste, or similar materials. This finding is based on:

1. Review of the NWTPH-D c-grams do not show the characteristic pattern of peaks and/or unresolved complex mixtures (UCMS) expected for the water soluble fraction of automotive gasoline, diesel fuel, or similar products.

2. The two samples with the highest GRO/DRO contaminant mass (MW-101R and MW-107R) were evaluated for the presence of isooctane, a common blending component in gasoline. Isooctane was not identified in either sample.

3. Testing for parent and alkylated PAHs was completed on the samples MW-101R and MW-107R. For MW-101R the parent and alkylated PAHs quantified account for at least 48% of the DRO present which is typical for the water soluble fraction of coal tar and similar materials; and not typical for petroleum fuels such as gasoline and diesel fuel.

   In addition, the relative abundance of the parent and alkylated PAHs in the sample MW-101R is indicative of a pyrogenic and not petroleum source material. The parent and alkylated results for the MW-107R sample accounted for approximately 5% of the DRO present in this sample but, as stated in item 1, the pattern of peaks present on the DRO GC/FID trace indicate a non-petroleum source.

4. It should also be noted that a cursory GCMS library search was completed on the samples MW-101R and MW-107R that tentatively identified and quantified relatively high levels of indane in both samples, and lesser amounts of indene. Although these constituents are present in crude oil as well as coal tar, their elevated level in conjunction with PAHs at this Site provides further evidence that the source material is not petroleum based and the GRO/DRO quantified in these samples is not due to gasoline or diesel releases. Both indane and indene elute in a range that can be quantified in both the NWTPH-GRO and NWTPH-DRO ranges.

In addition, based on the initial results of total arsenic, dissolved arsenic (field filtered), and TDS/TSS we were concerned that your field filters were not adequately removing particles above 0.45 um in size at the Site. We ran an additional filtration at our laboratory using an absolute 0.45 um filter and confirmed that your field filters have insufficient capacity to remove all of the particulates in this size range. As shown in the results, there was an additional reduction of 79% of the arsenic mass after the laboratory filtration was completed at the B-6R location. This issue is not unique to this Site and we would recommend that further testing/sampling include lab filtration until the field filter issue is resolved.

If you would like a more detailed report of our evaluation, please let us know.

Respectfully,

Kurt Johnson, Senior Chemist
Director of Forensic Services
6700 SW Sandburg St.
Tigard, OR 97223
O: (503) 718-2323 Ext. 237
C: (206) 852-9663
kjohnson@apex-labs.com
www.apex-forensics.com

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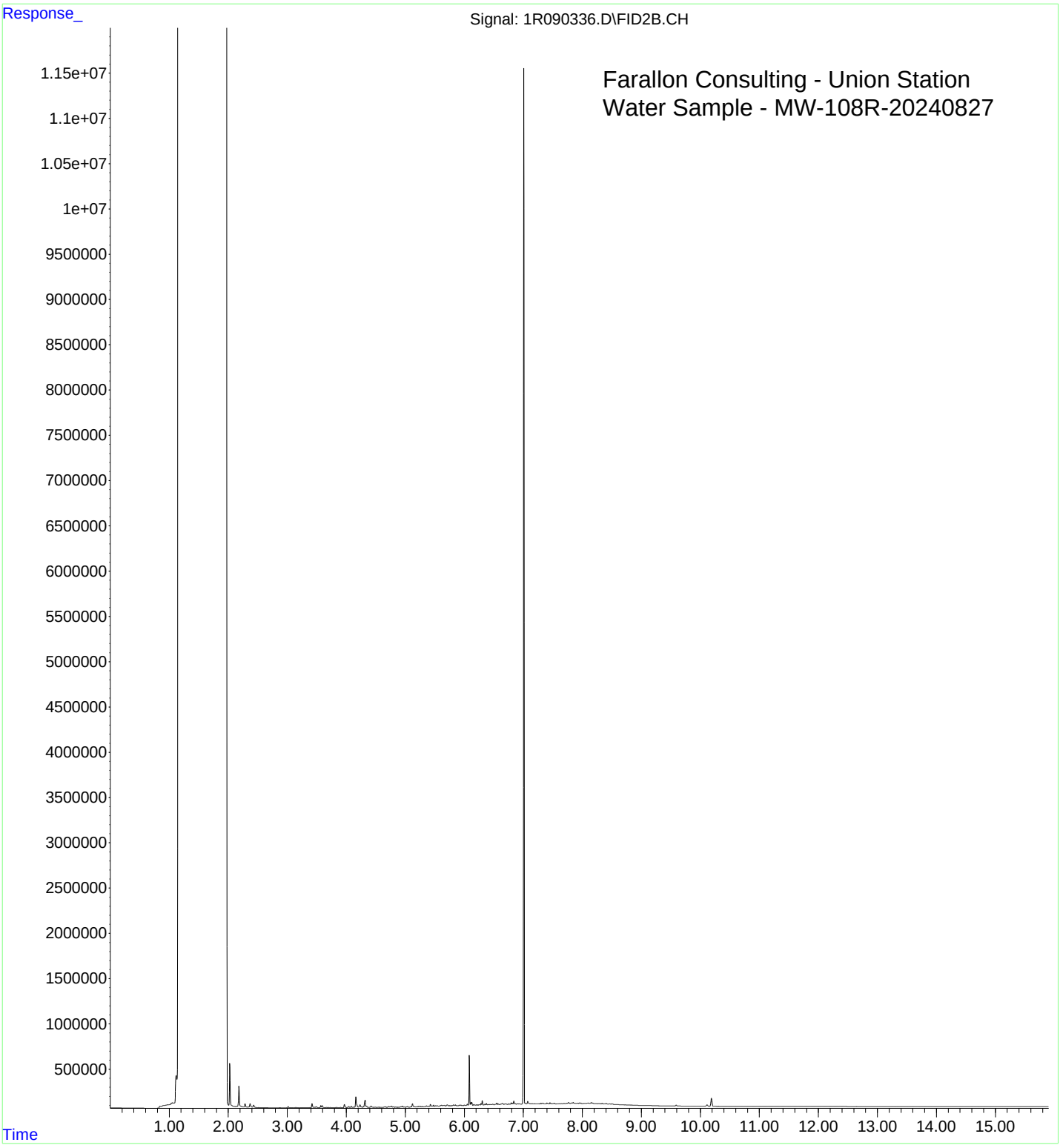
We Welcome Your Feedback
Help us improve your experience by taking our short survey.
Apex Client Survey

File :C:\msdchem\1\copied data\4I03060\1R090336.D
Operator : BLL
Acquired : 04 Sep 2024 8:12 am using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: A4H1527-01
Misc Info :
Vial Number: 70



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Operator : BLL
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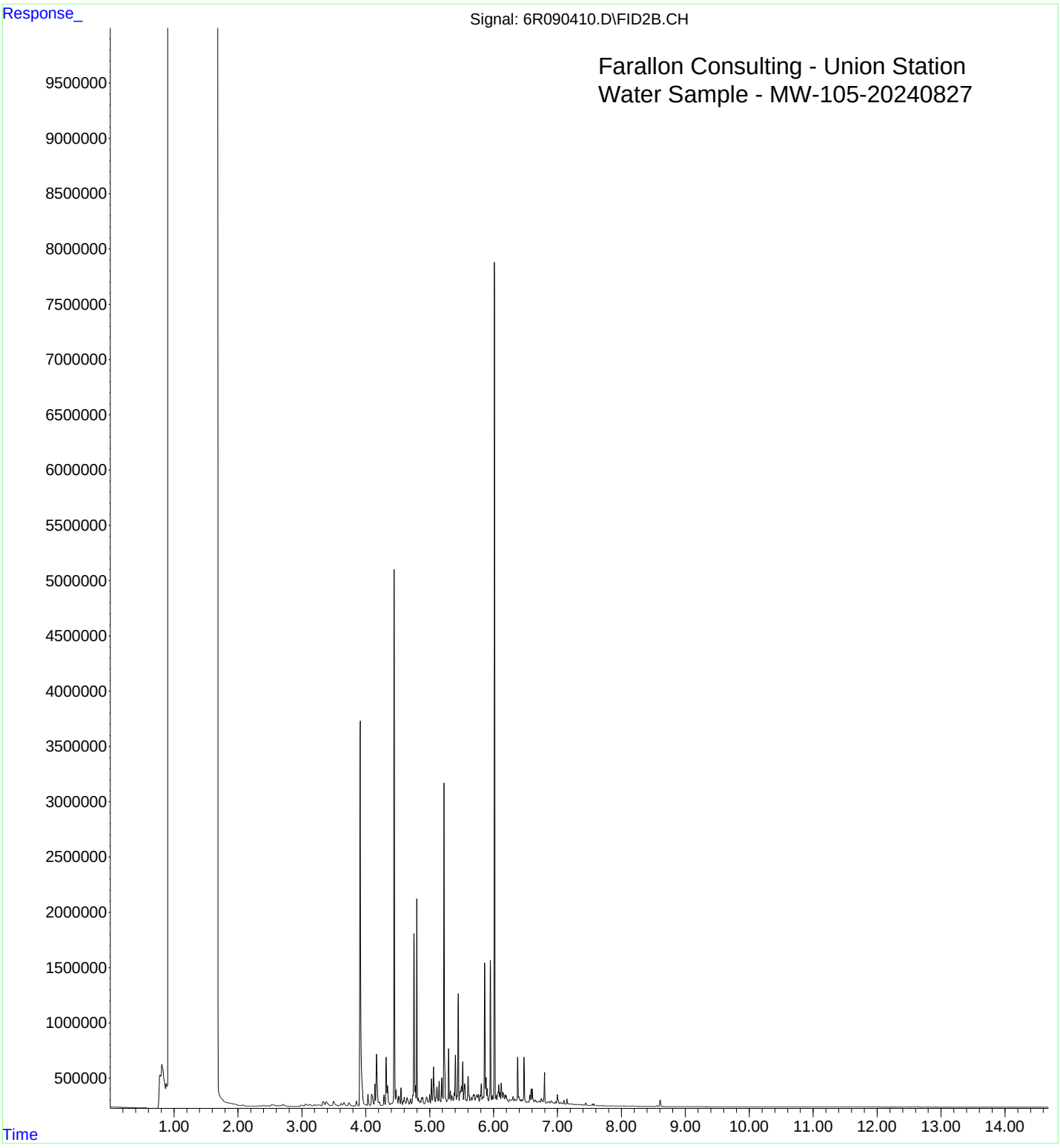
Instrument : HP G1530A
Sample Name: A4H1527-02RE1
Misc Info :
Vial Number: 56



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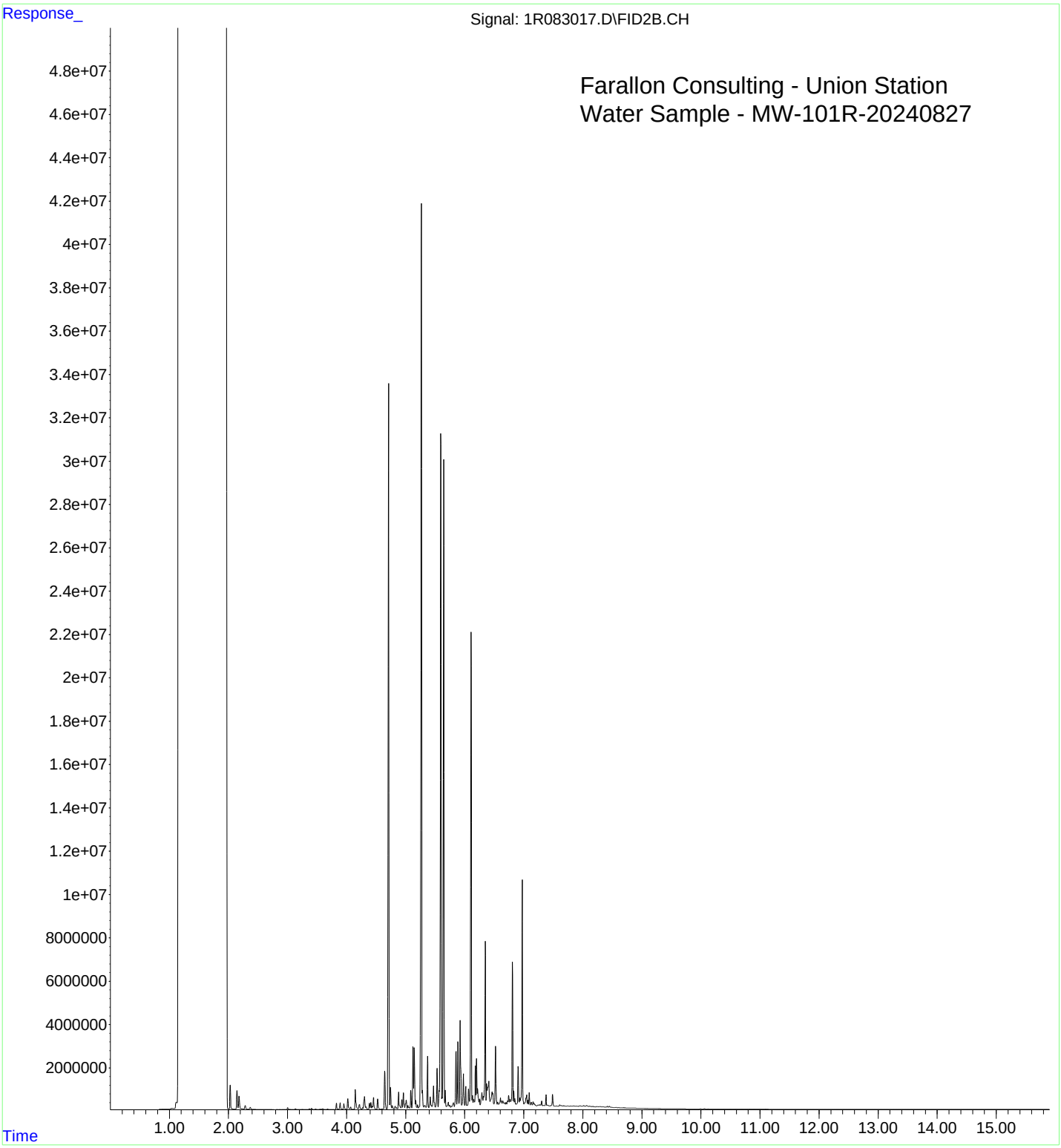
Operator   : BLL
Acquired   : 31 Aug 2024 12:18 am using AcqMethod A1F40422.M
Instrument :   HP G1530A
Sample Name: A4H1527-03
Misc Info :
Vial Number: 60



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Operator : BLL
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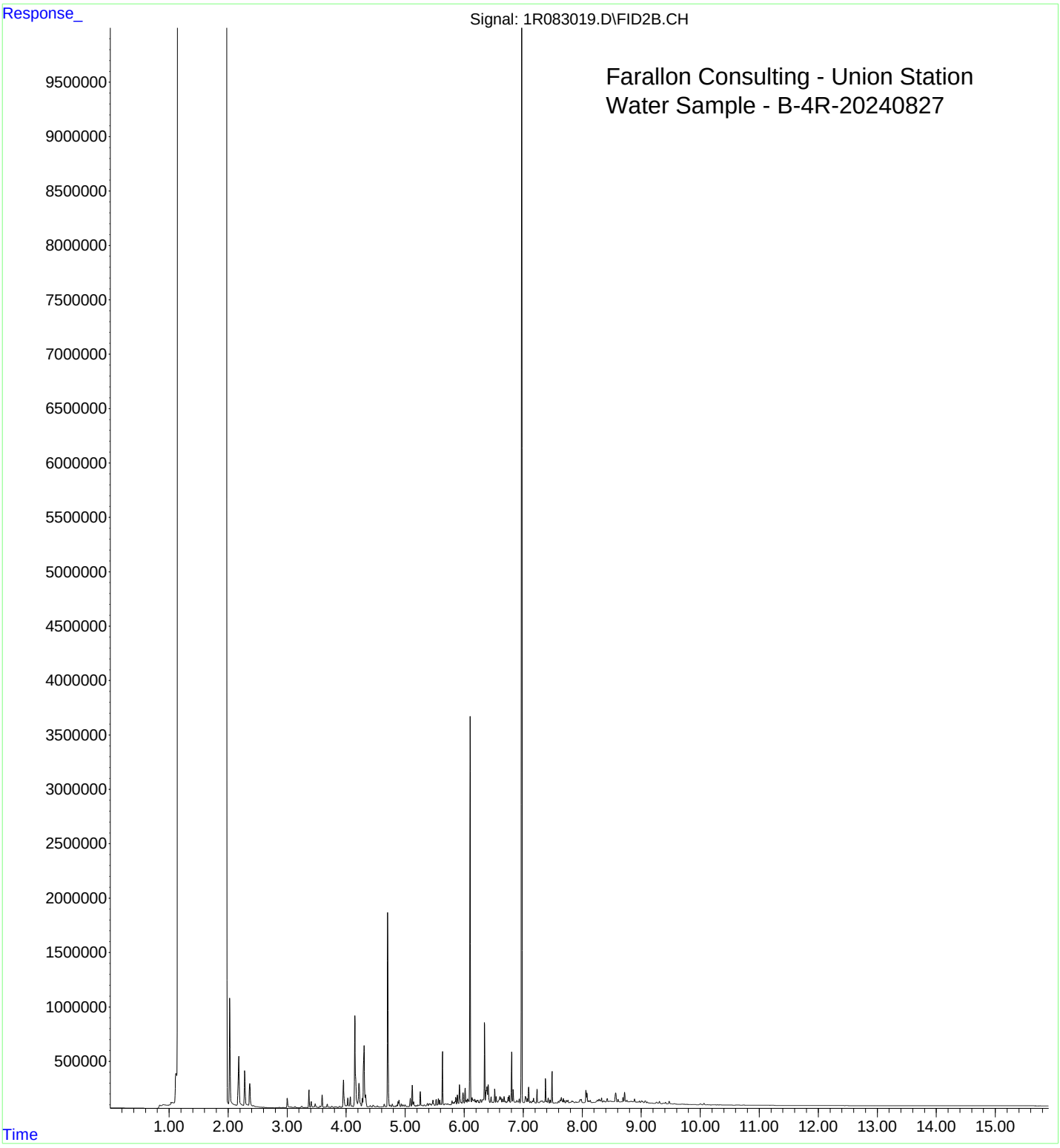
Instrument : HP G1530A
Sample Name: A4H1527-04
Misc Info :
Vial Number: 61



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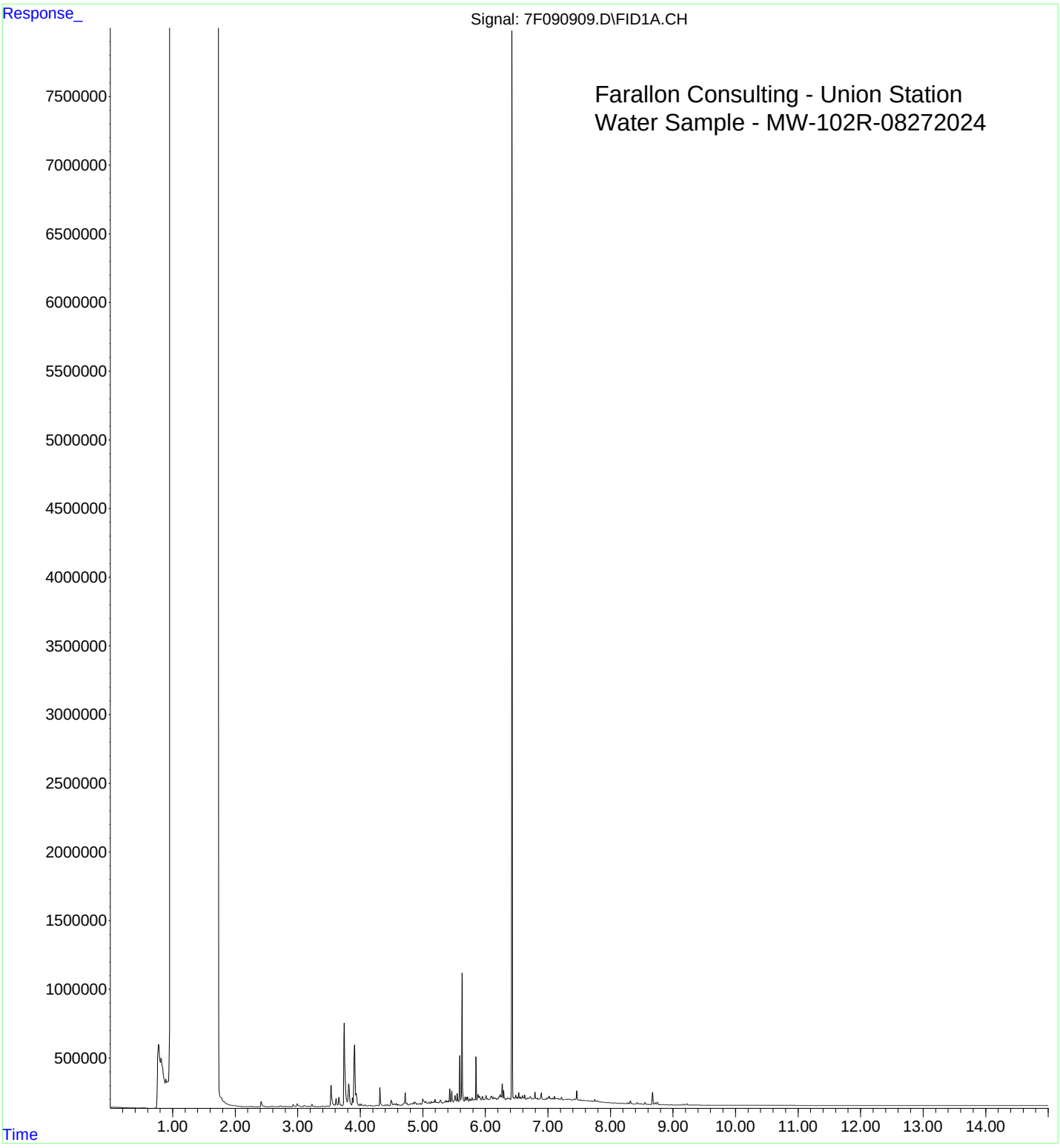
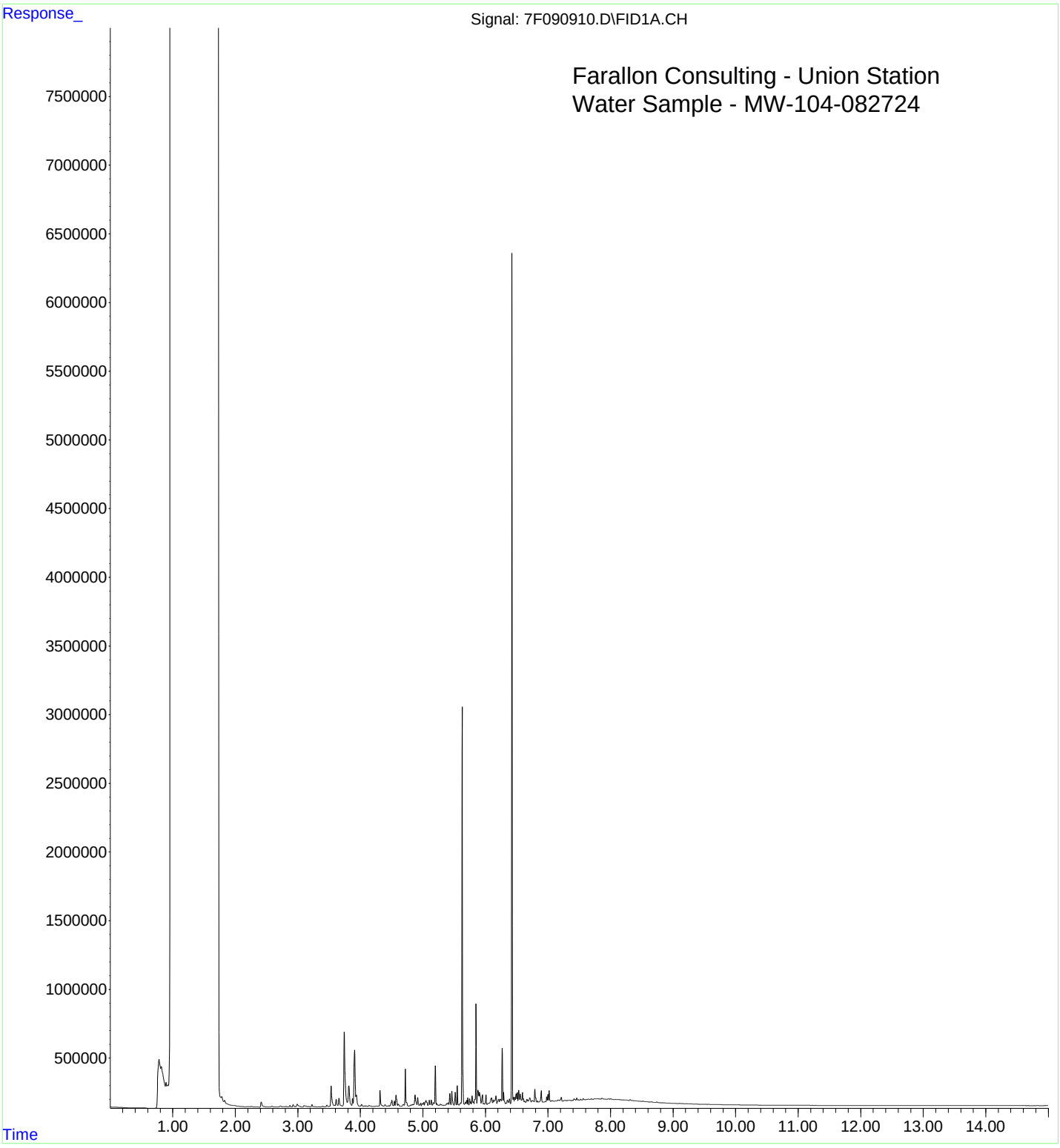
Operator   : BLL/BJY
Acquired   : 10 Sep 2024   3:48 am using AcqMethod FID7ACQ.M
Instrument :   HP G1530A
Sample Name: A4H1527-05
Misc Info :
Vial Number: 6



File :C:\msdchem\1\copied data\4I09075\7F090910.D
Operator : BLL/BJY
Acquired : 10 Sep 2024 4:09 am using AcqMethod FID7ACQ.M
Instrument : HP G1530A
Sample Name: A4H1527-06
Misc Info :
Vial Number: 7



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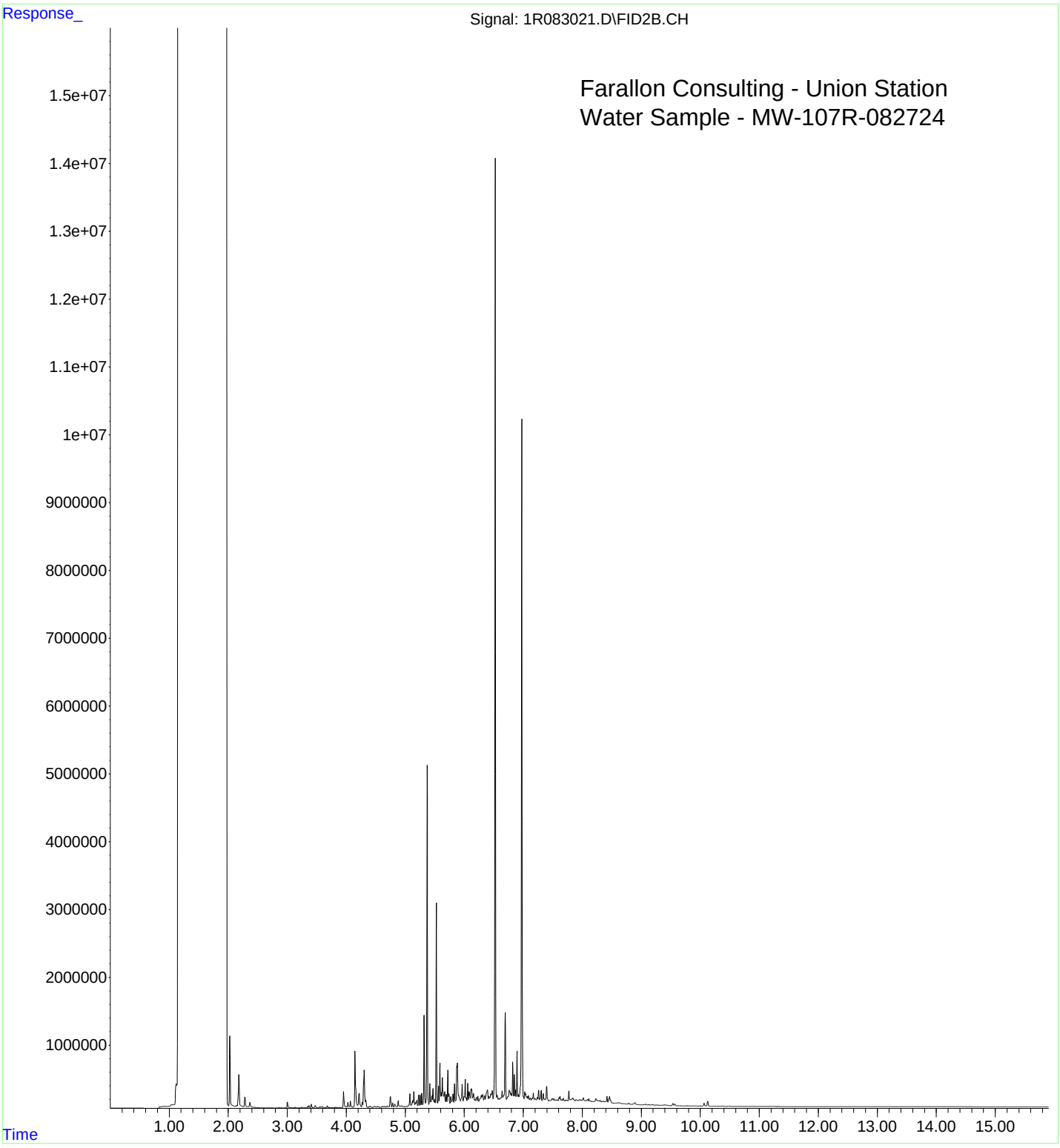
Sample Name: A4H1527-07
Misc Info :
Vial Number: 62



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Operator : BLL
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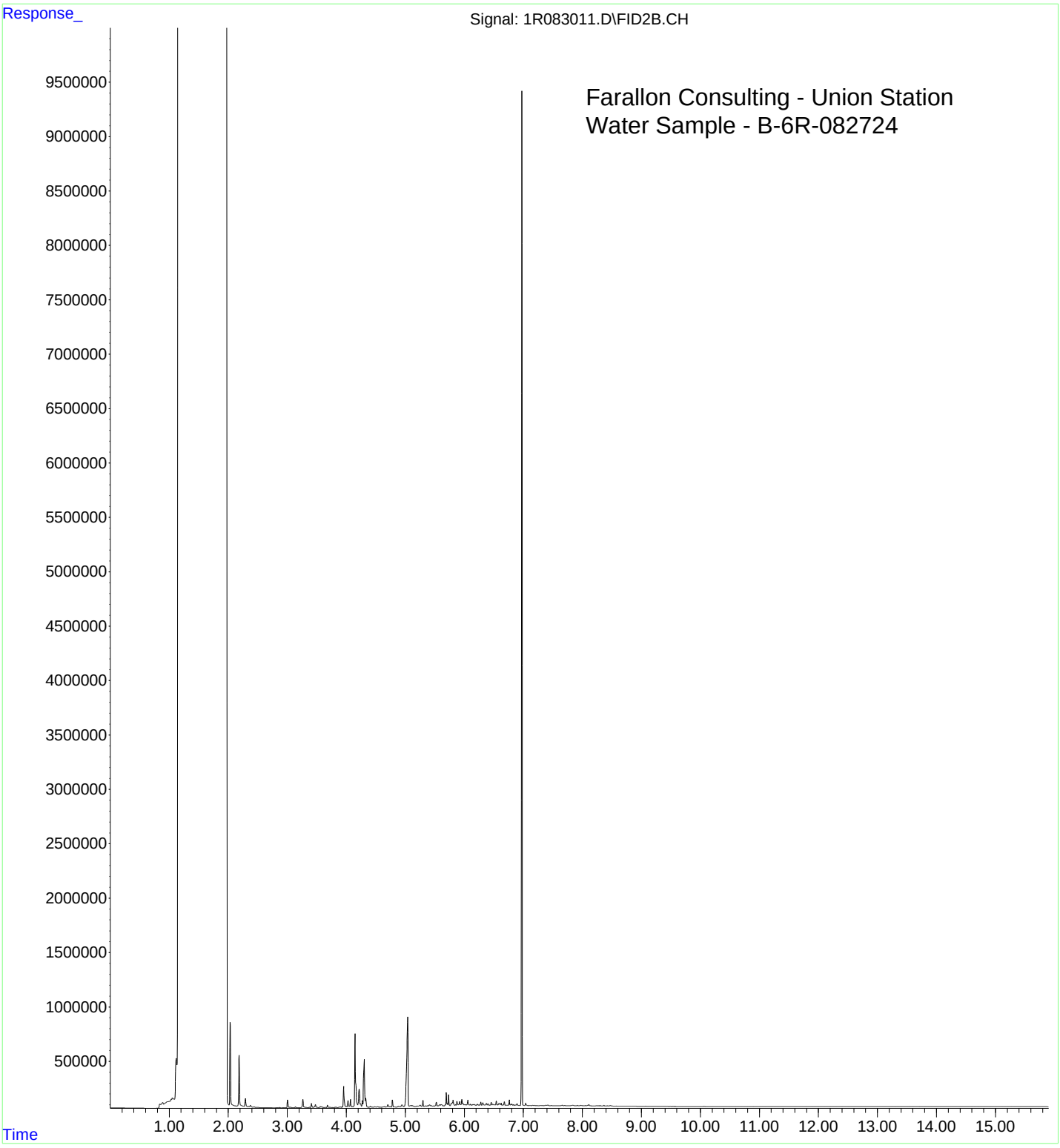
Instrument : HP G1530A
Sample Name: A4H1527-08
Misc Info :
Vial Number: 55



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Operator   : BLL
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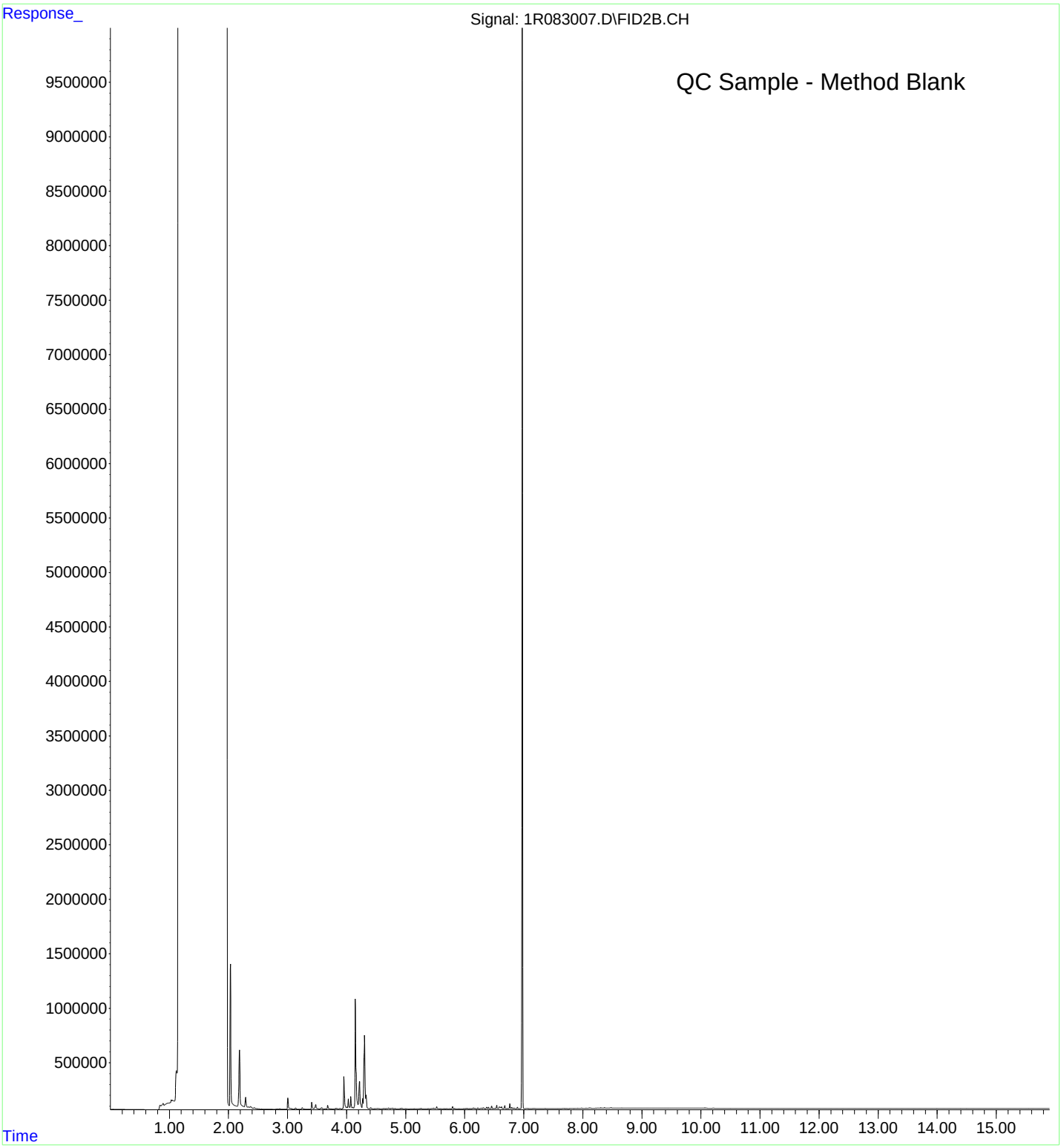
Instrument :   HP G1530A
Sample Name: 24H1121-BLK1
Misc Info :
Vial Number: 51



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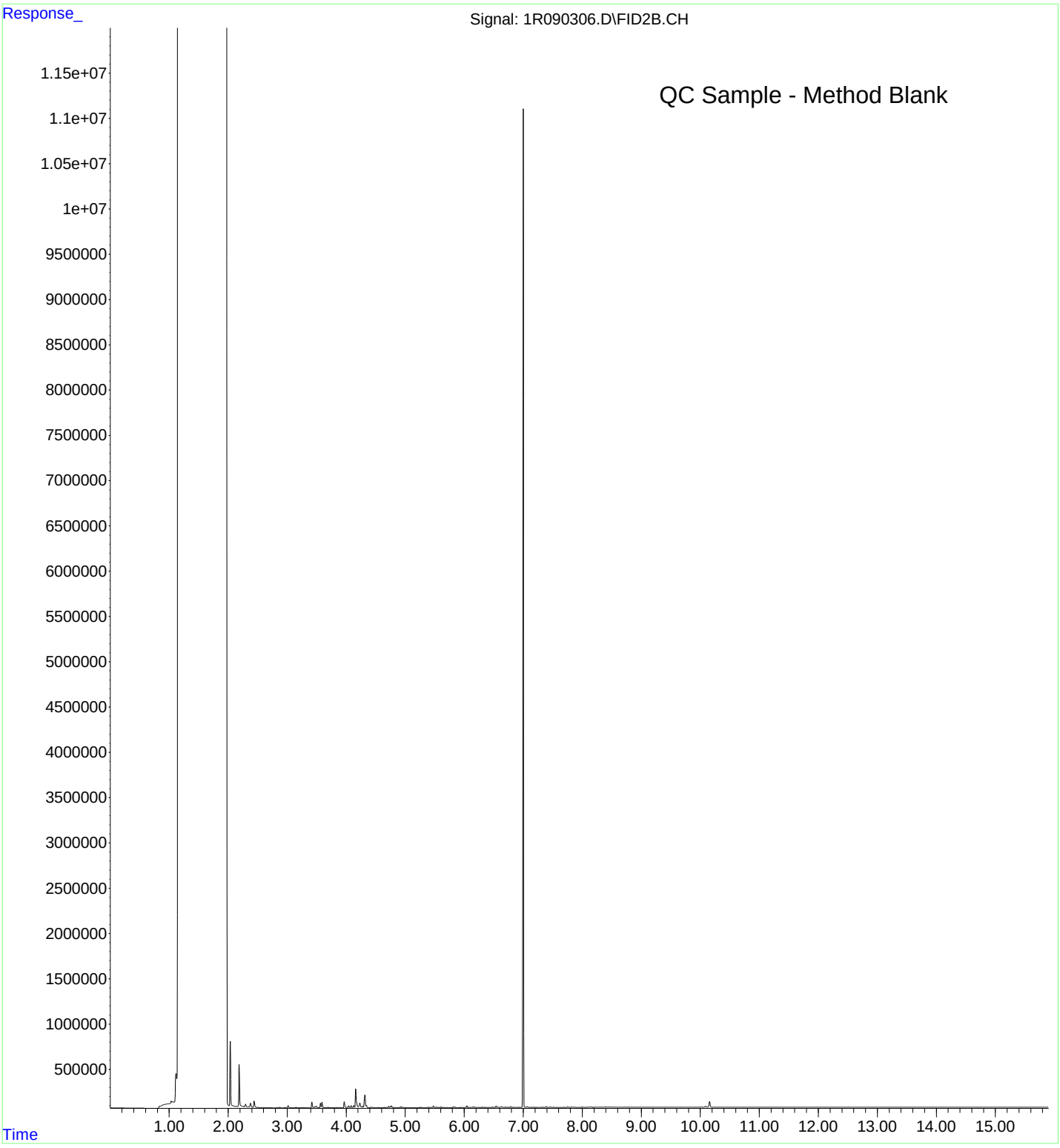
Operator   : BLL
Acquired   : 03 Sep 2024   8:13 pm using AcqMethod A1F40422.M
Instrument :   HP G1530A
Sample Name: 24I0016-BLK1
Misc Info :
Vial Number: 51



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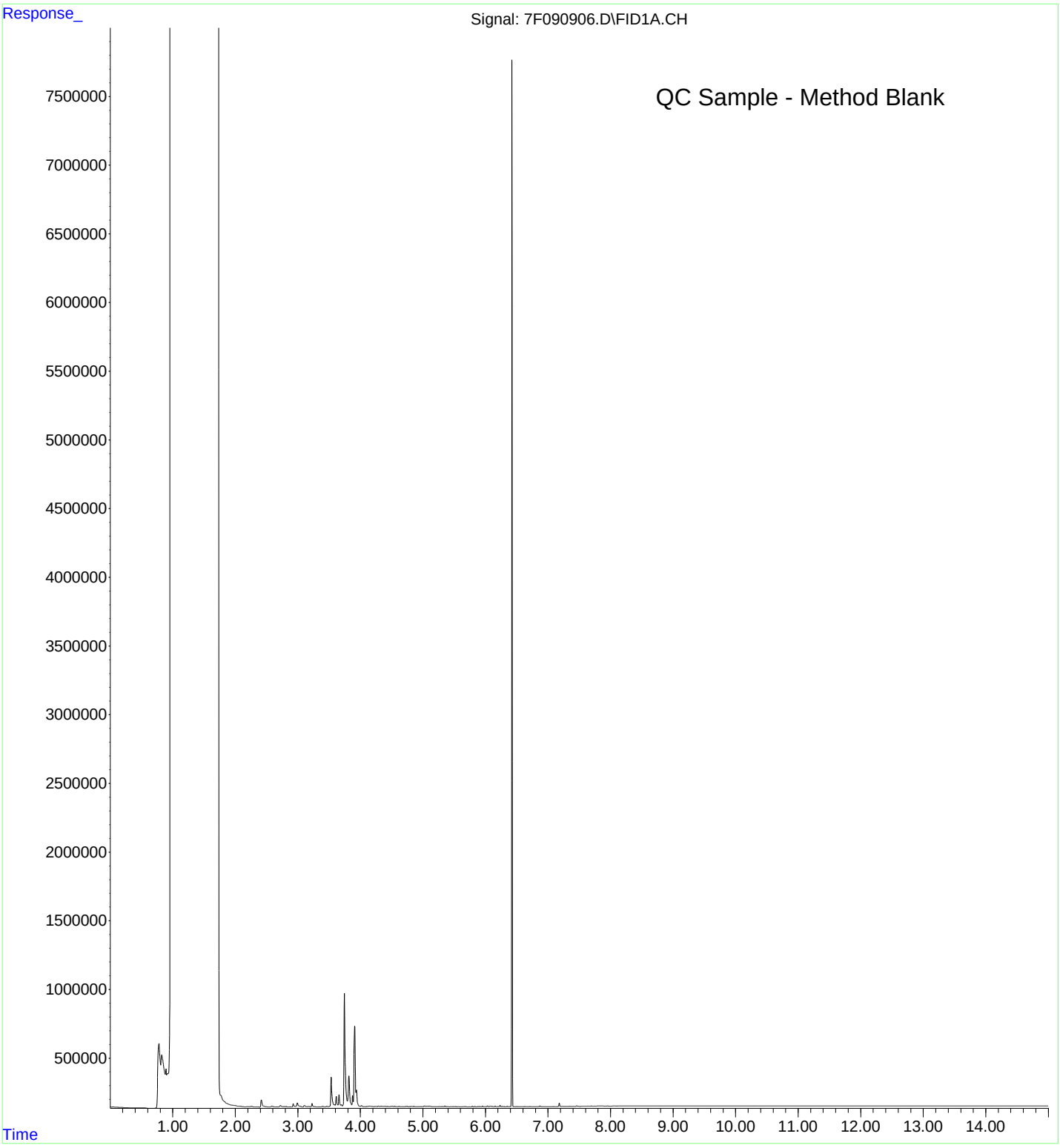
Operator   : BLL/BJY
Acquired   : 09 Sep 2024   8:33 pm using AcqMethod FID7ACQ.M
Instrument :   HP G1530A
Sample Name: 24I0225-BLK1
Misc Info :
Vial Number: 3



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Operator : BLL
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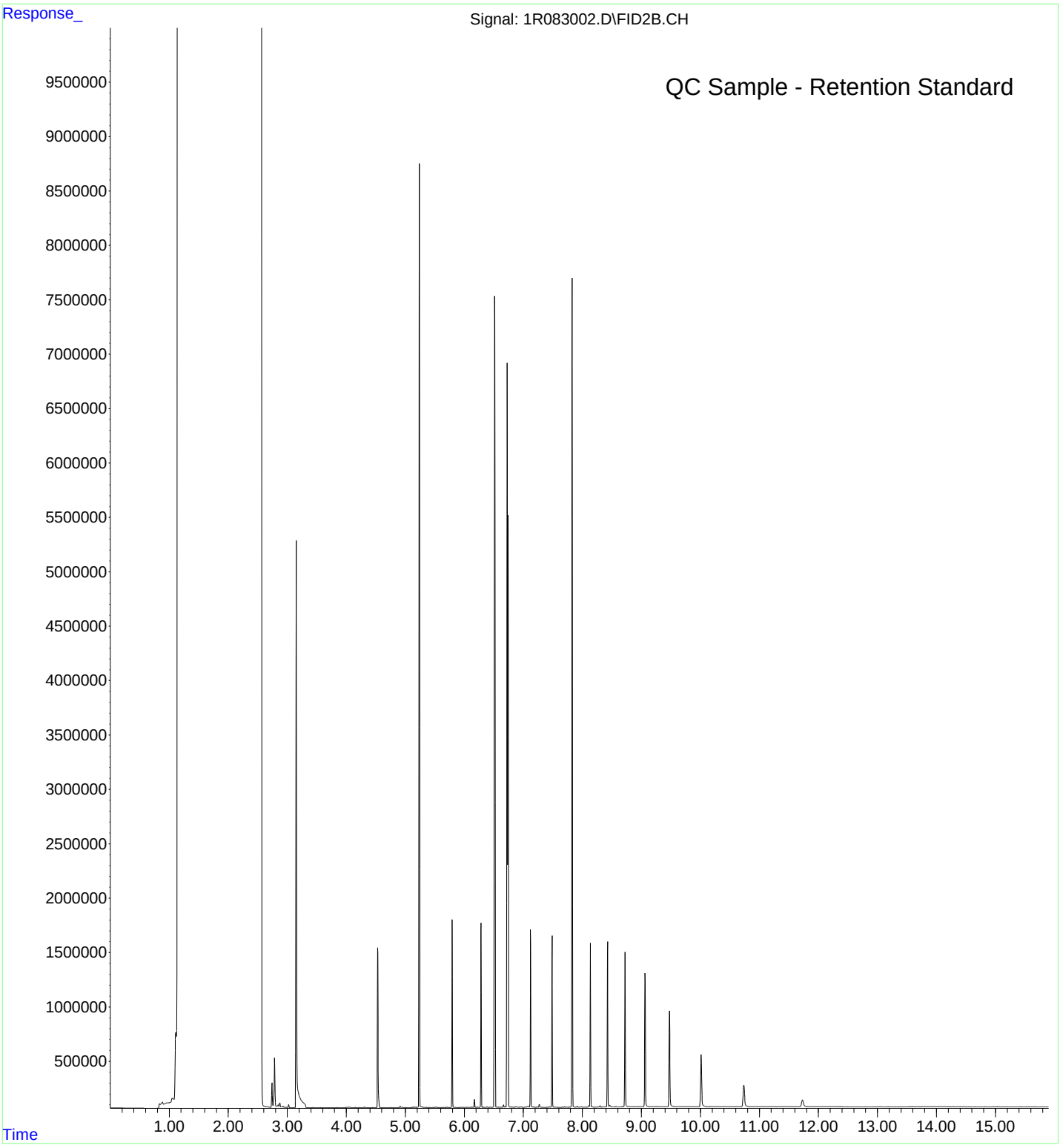
Instrument : HP G1530A
Sample Name: 4H30040-RES1
Misc Info :
Vial Number: 95



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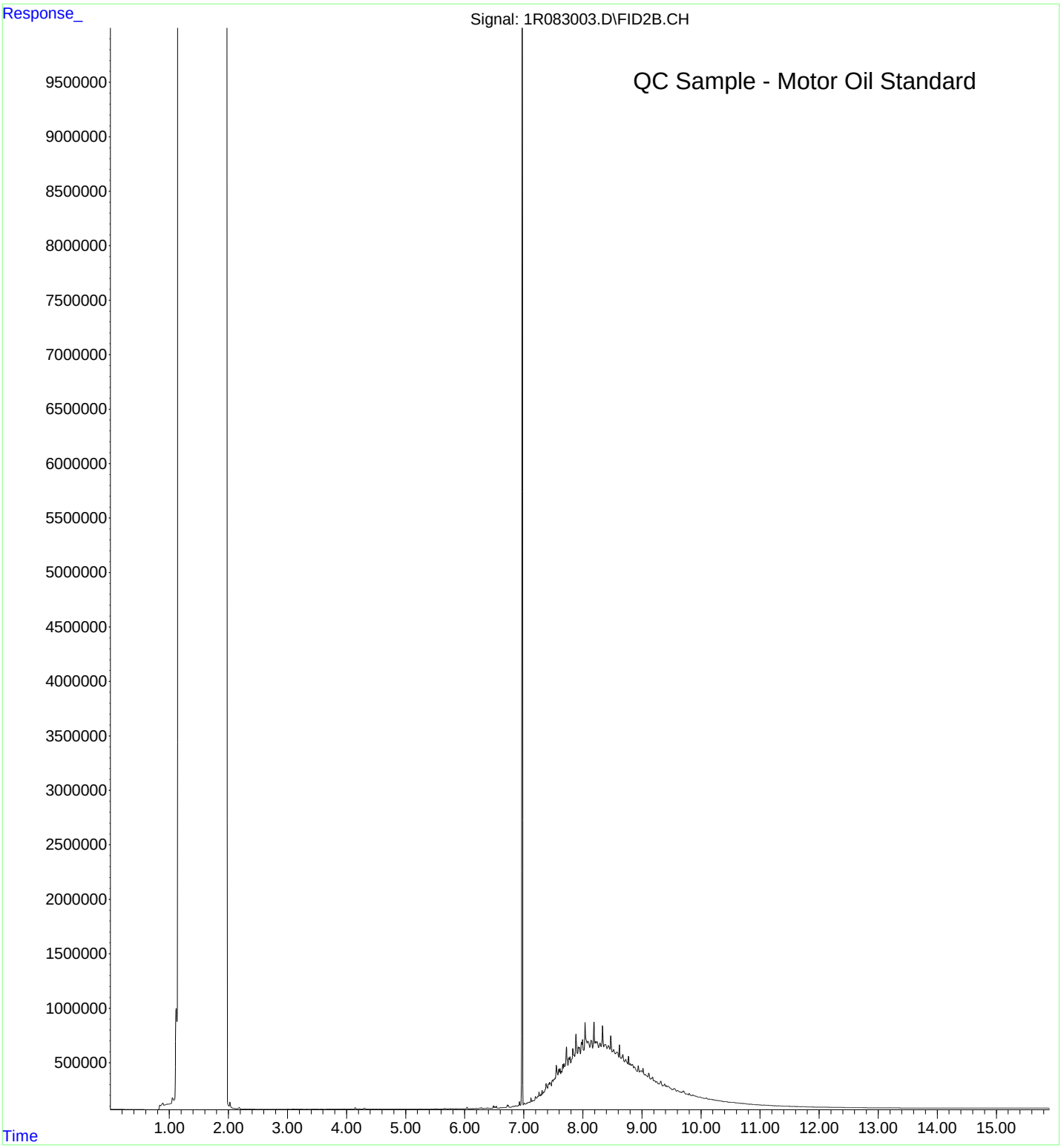
Operator : BLL
Acquired : 30 Aug 2024 6:26 pm using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: 4H30040-CCV1
Misc Info :
Vial Number: 2



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Operator : BLL
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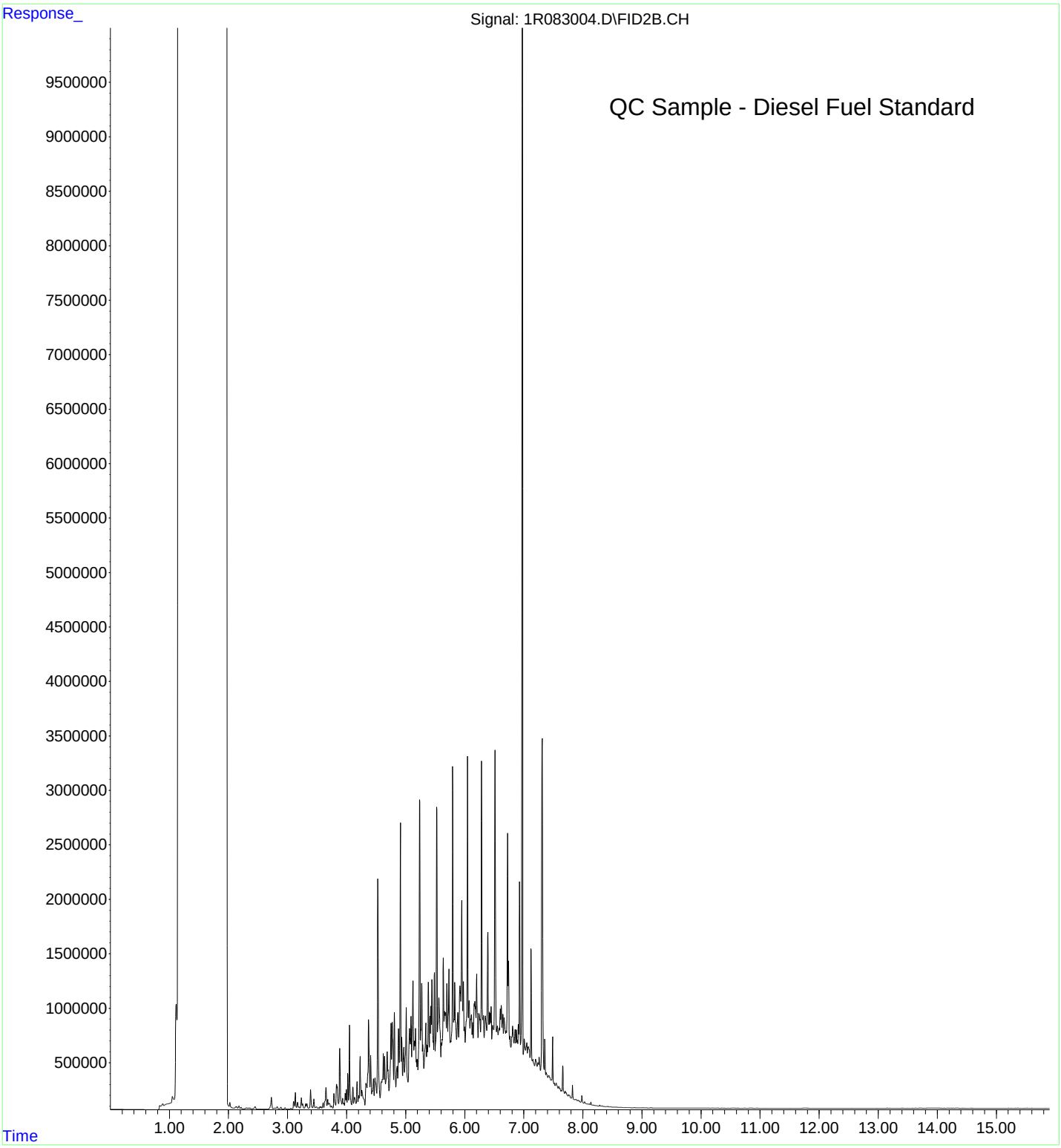
Instrument : HP G1530A
Sample Name: 4H30040-CCV2
Misc Info :
Vial Number: 1



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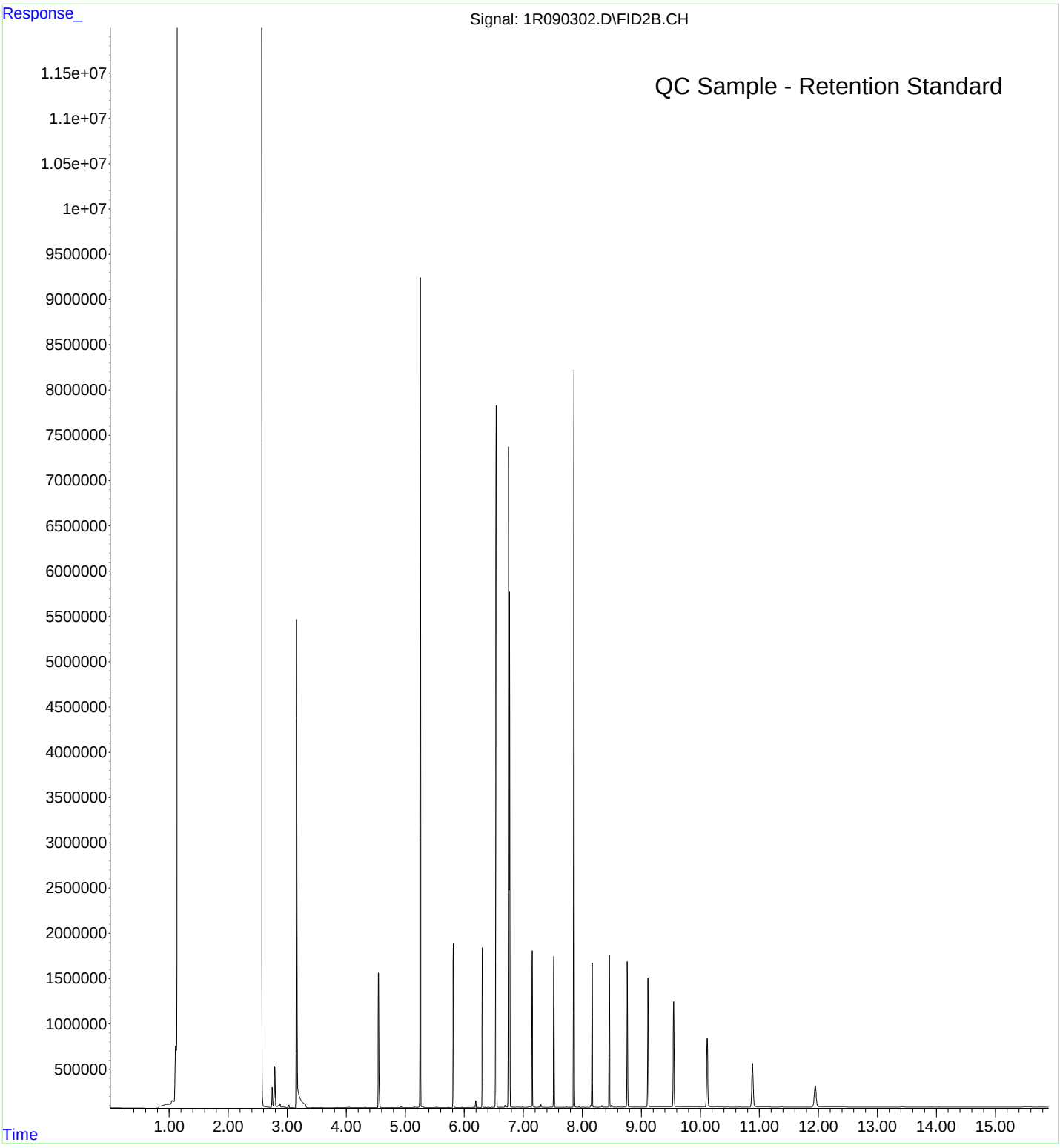
Operator   : BLL
Acquired   : 03 Sep 2024   3:34 pm using AcqMethod A1F40422.M
Instrument :   HP G1530A
Sample Name: 4I03060-RES1
Misc Info :
Vial Number: 95



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Operator   : BLL
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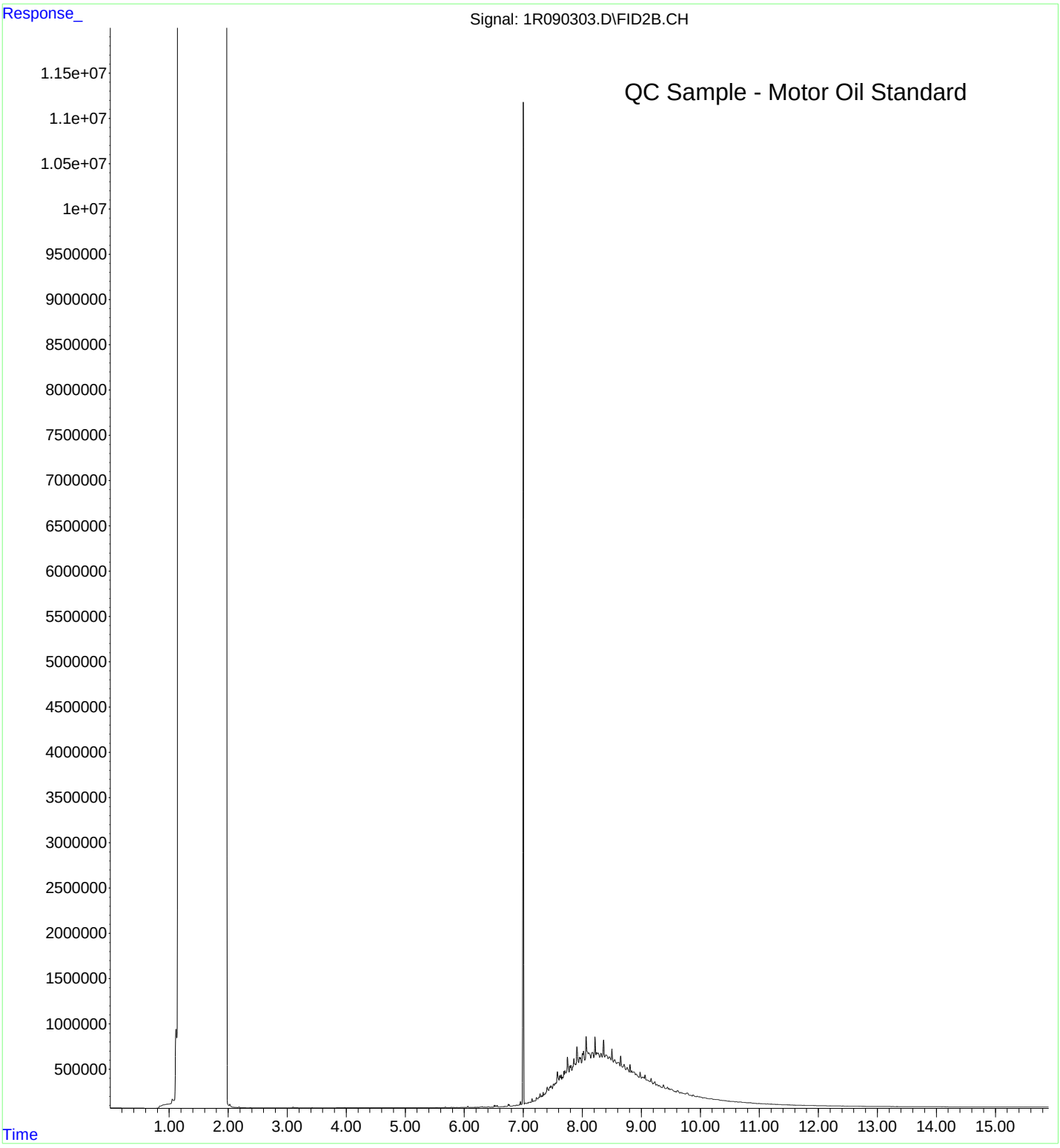
Instrument :   HP G1530A
Sample Name: 4I03060-CCV1
Misc Info :
Vial Number: 2



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Operator : BLL
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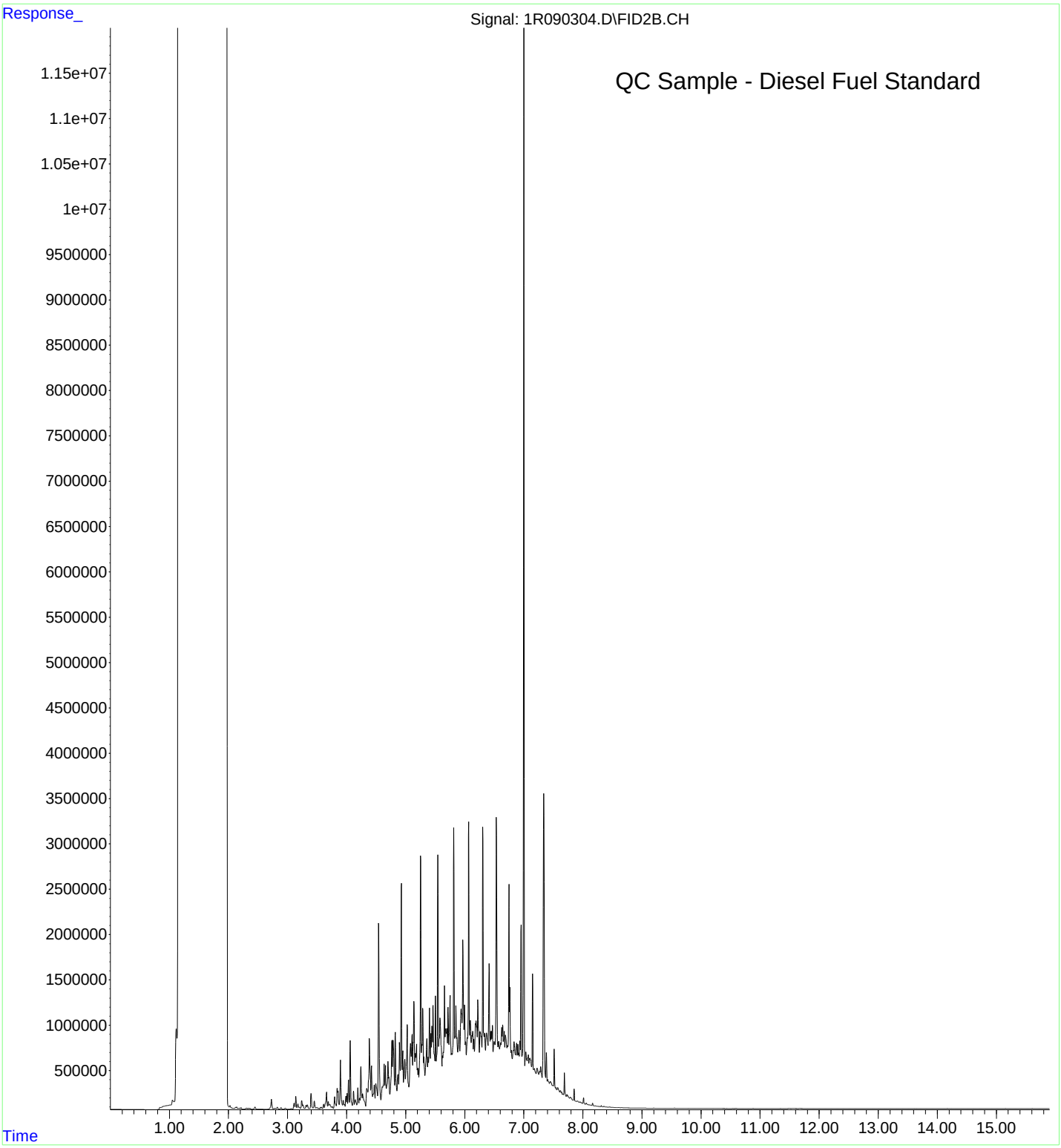
Instrument : HP G1530A
Sample Name: 4I03060-CCV2
Misc Info :
Vial Number: 1



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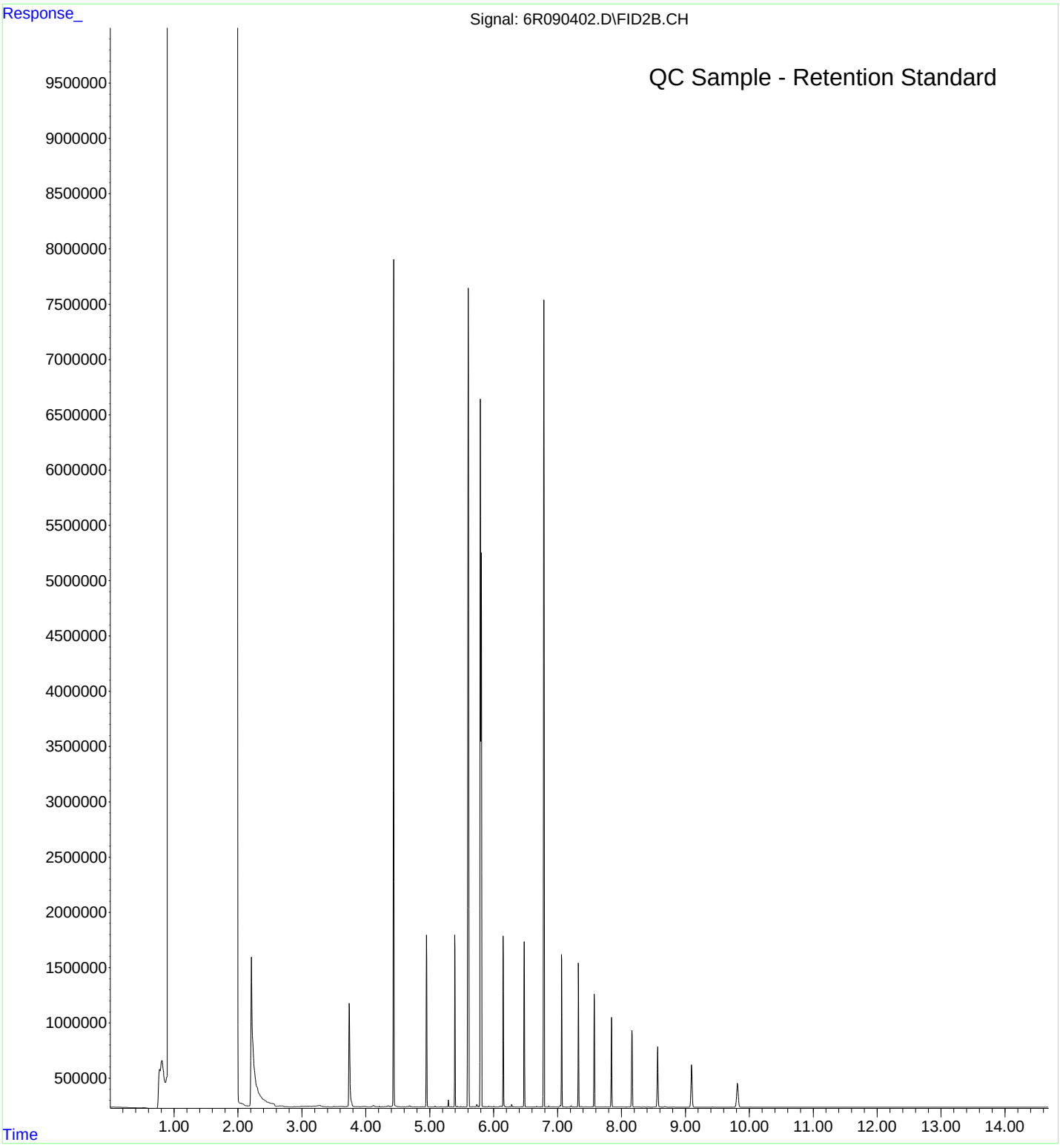
Instrument : HP G1530A
Sample Name: 4I04035-RES1
Misc Info :
Vial Number: 95



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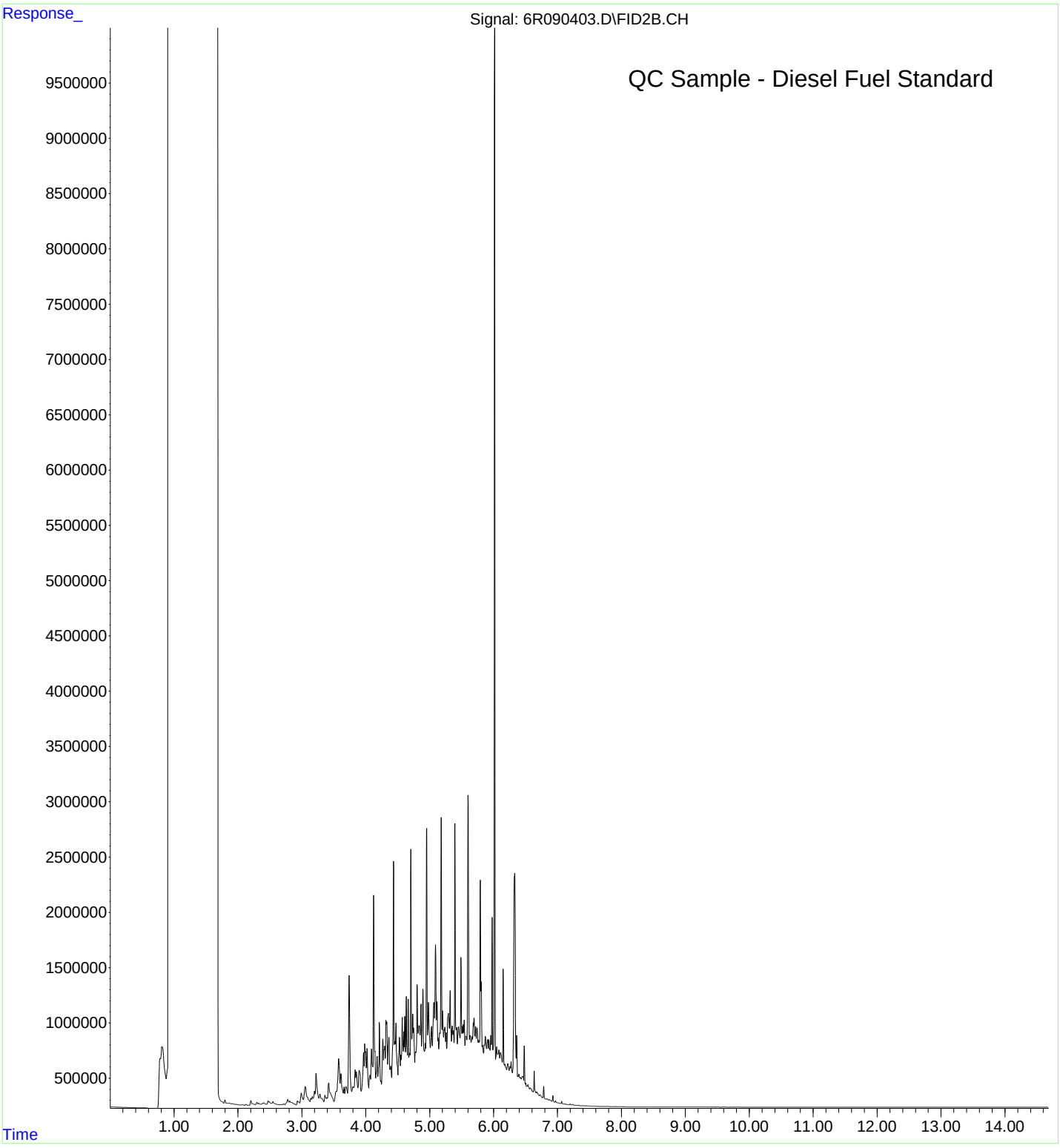
Operator : BLL
Acquired : 04 Sep 2024 7:29 am using AcqMethod 6F71215A.M
Instrument : HP G1530A
Sample Name: 4I04035-CCV1
Misc Info :
Vial Number: 51



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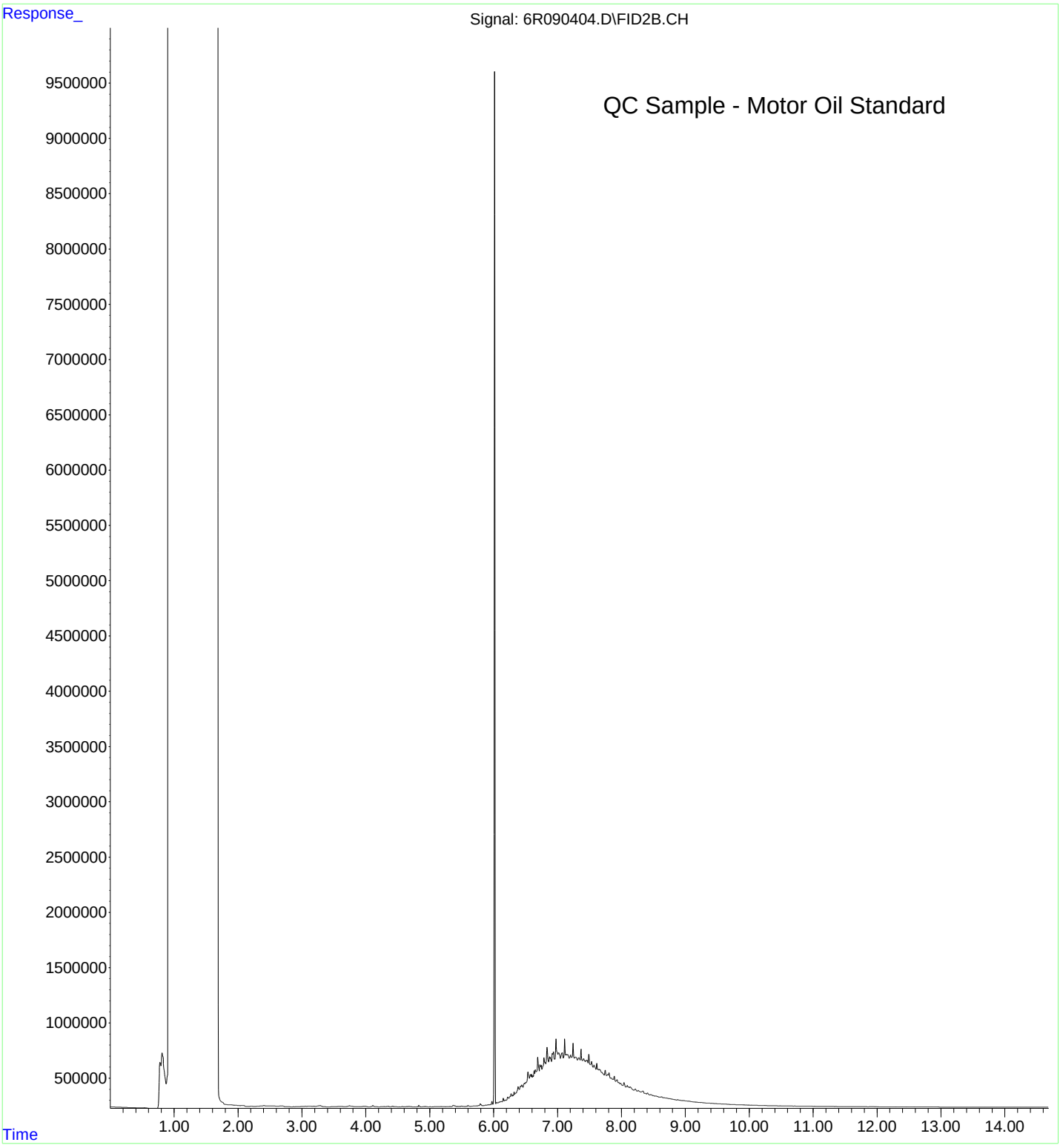
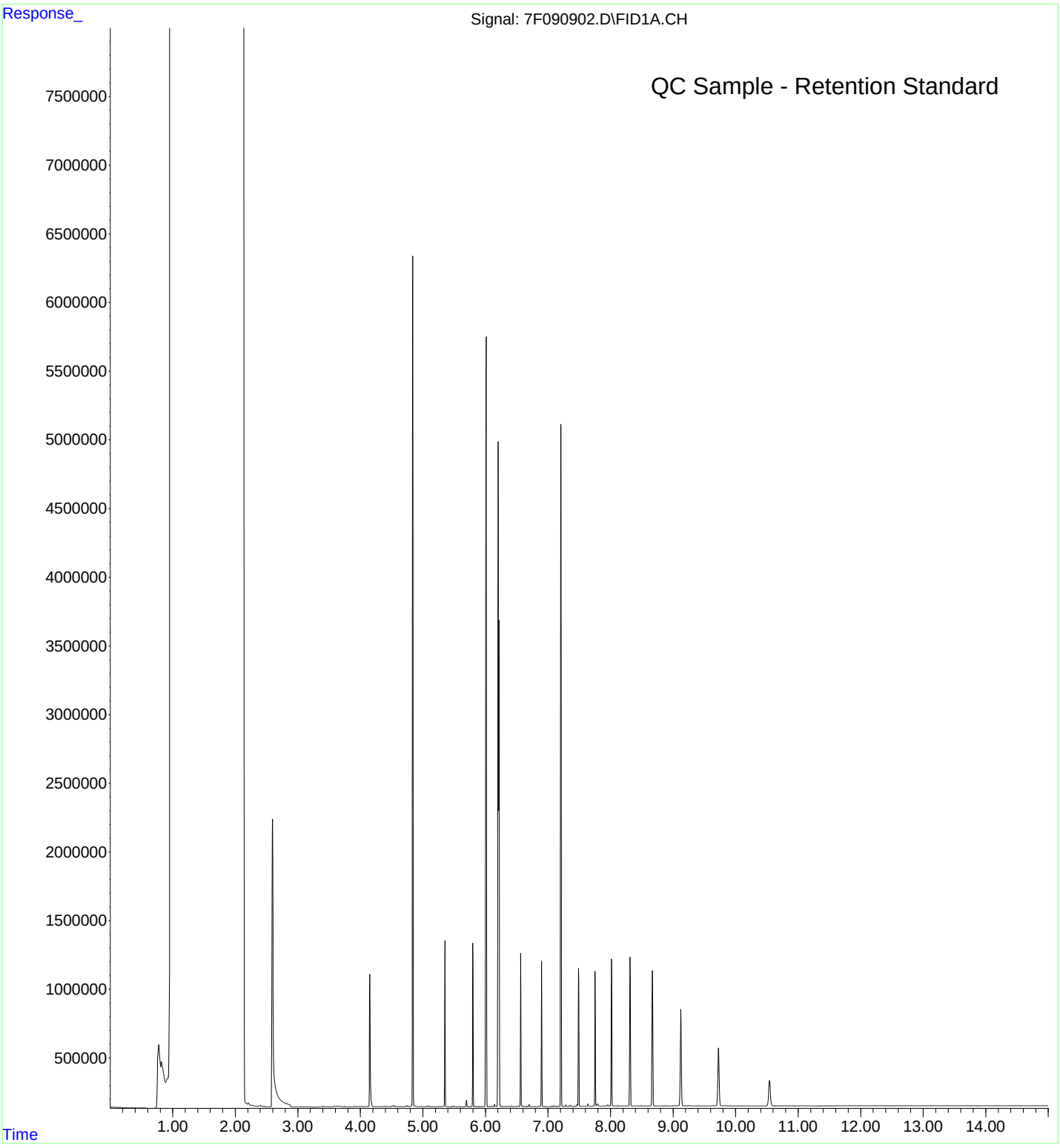
Operator : BLL
Acquired : 04 Sep 2024 7:49 am using AcqMethod 6F71215A.M
Instrument : HP G1530A
Sample Name: 4I04035-CCV2
Misc Info :
Vial Number: 52



File :C:\msdchem\1\copied data\4I09075\7F090902.D
Operator : BLL/BJY
Acquired : 09 Sep 2024 3:22 pm using AcqMethod FID7ACQ.M
Instrument : HP G1530A
Sample Name: 4I09075-RES1
Misc Info :
Vial Number: 94



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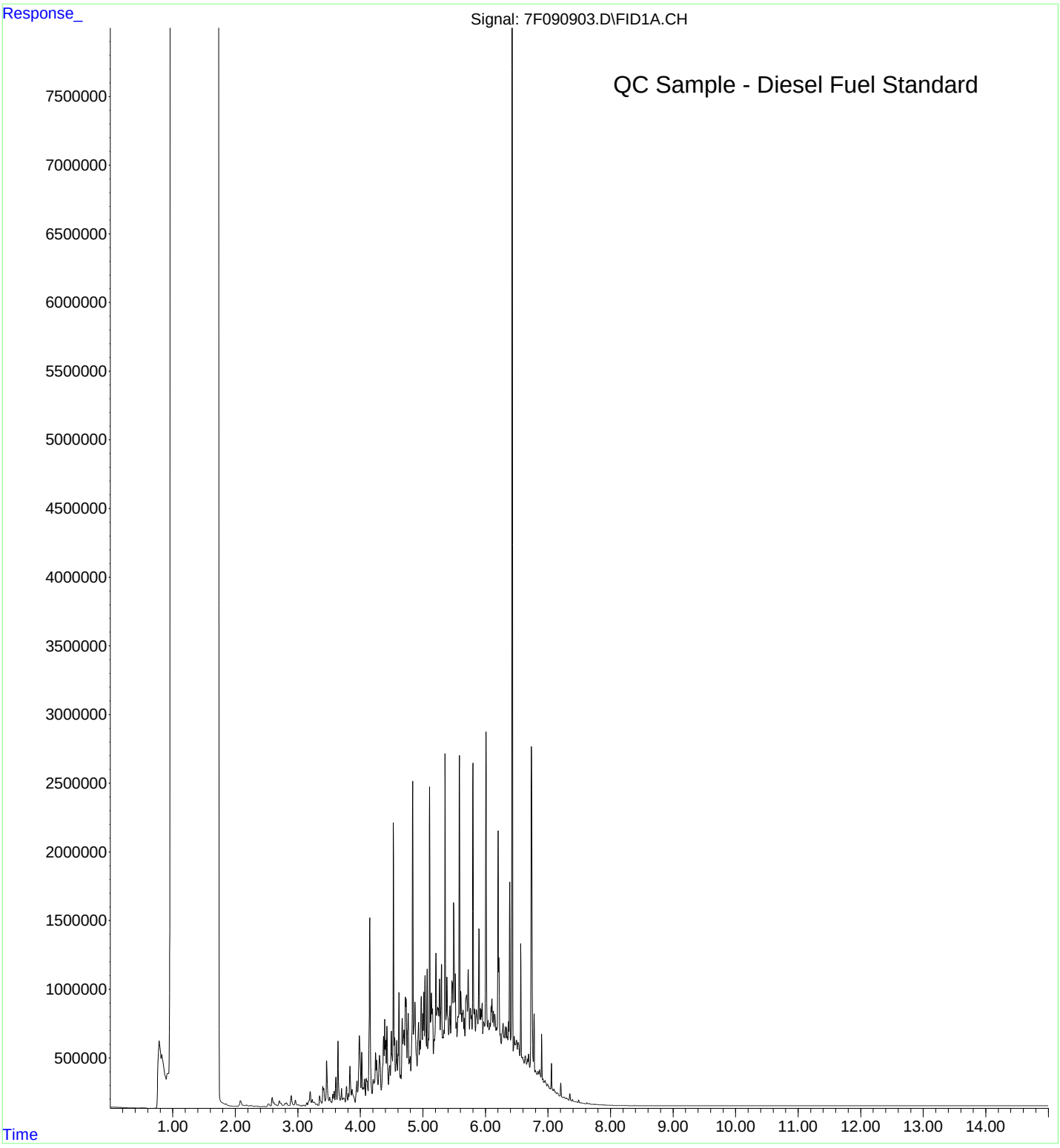
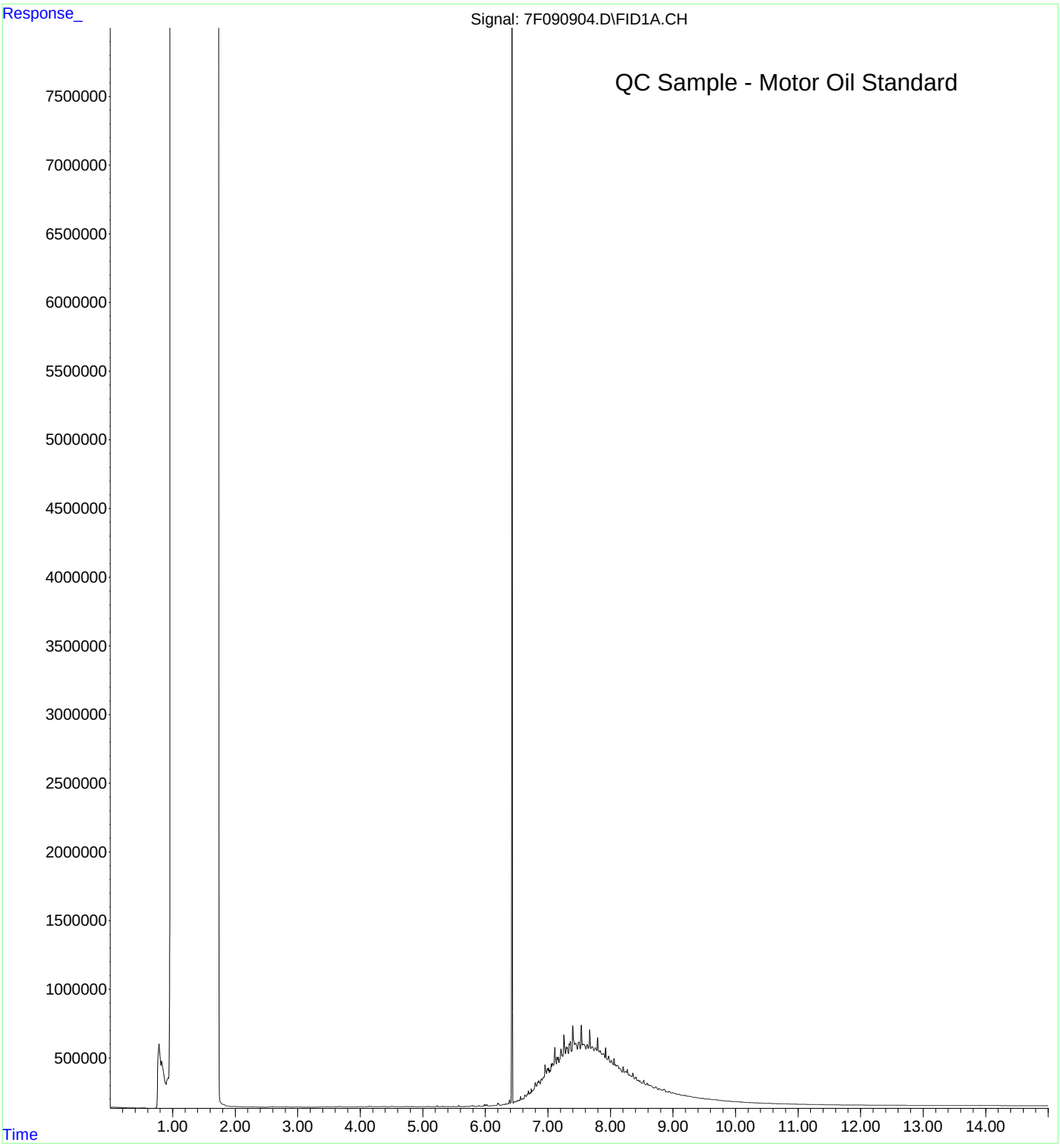
Operator   : BLL/BJY
Acquired   : 09 Sep 2024   3:43 pm using AcqMethod FID7ACQ.M
Instrument :   HP G1530A
Sample Name: 4I09075-CCV1
Misc Info :
Vial Number: 1

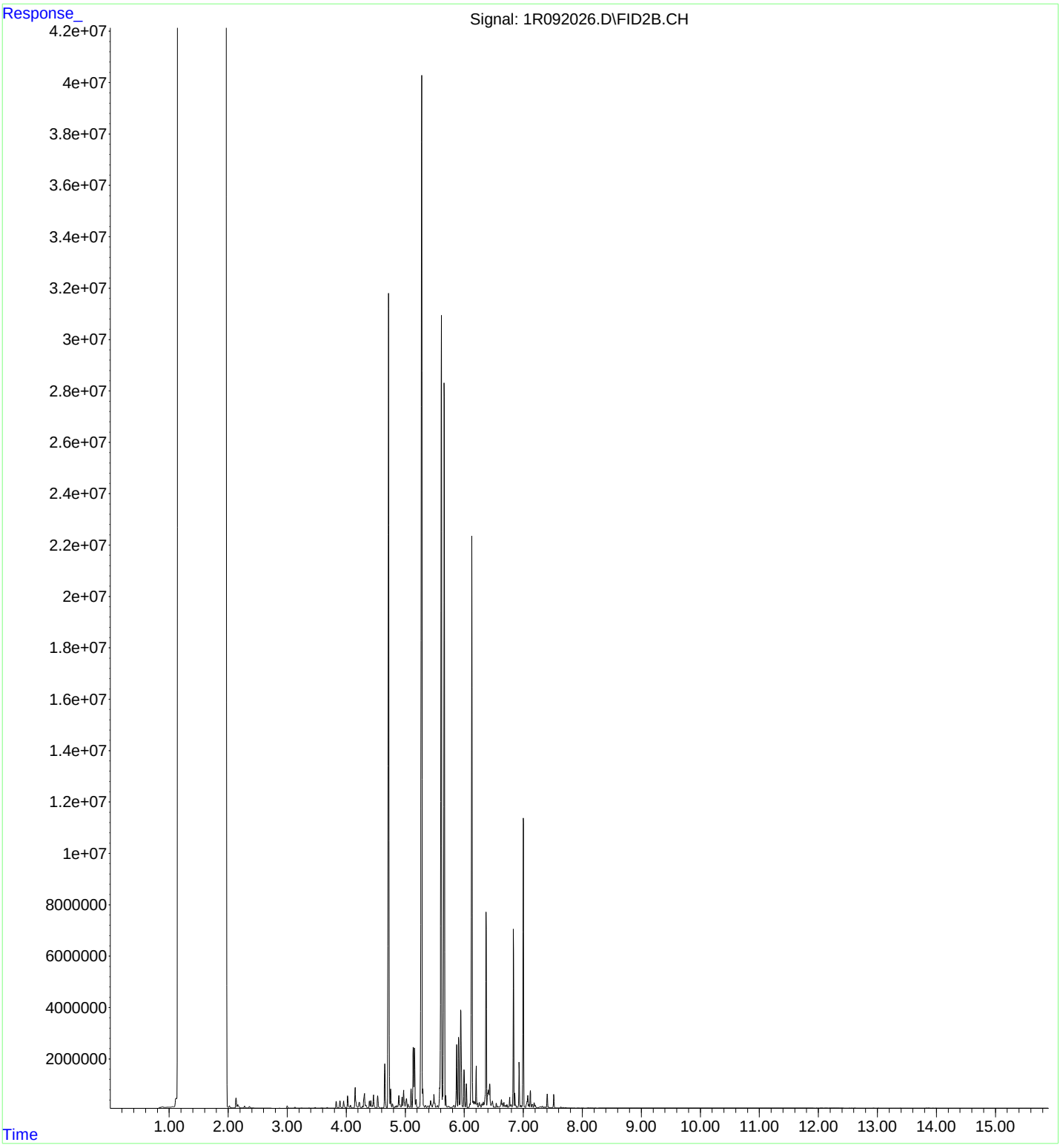


File   :C:\msdchem\1\copied data\4I09075\7F090904.D
Operator   : BLL/BJY
Acquired   : 09 Sep 2024   4:04 pm using AcqMethod FID7ACQ.M
Instrument :   HP G1530A
Sample Name: 4I09075-CCV2
Misc Info :
Vial Number: 2



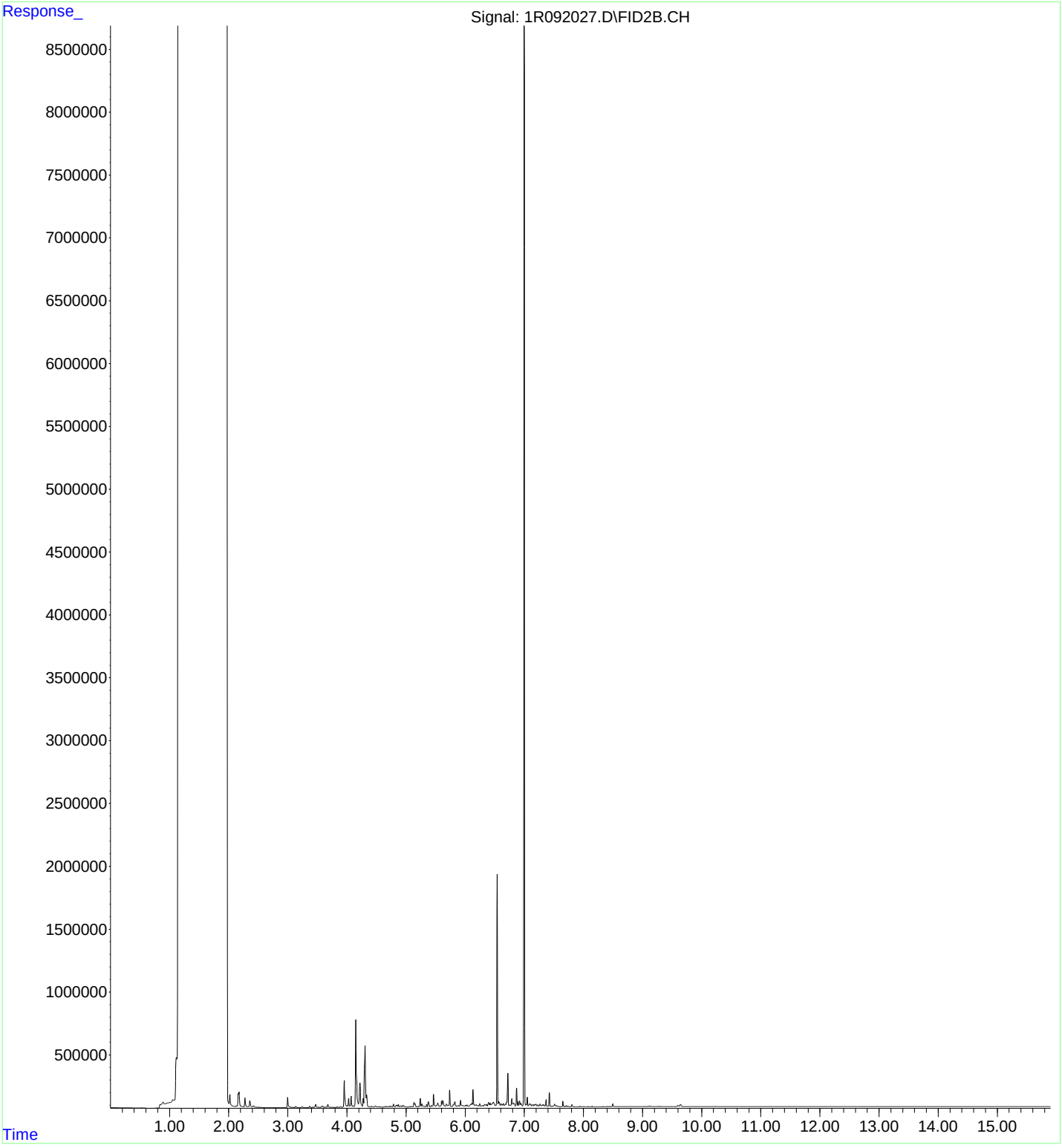
File :C:\msdchem\1\copied data\4I20033\1R092026.D
Operator : BLL/BJY
Acquired : 21 Sep 2024 3:34 am using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: A4H1527-03
Misc Info :
Vial Number: 66

Water Sample - MW-101R-20240827



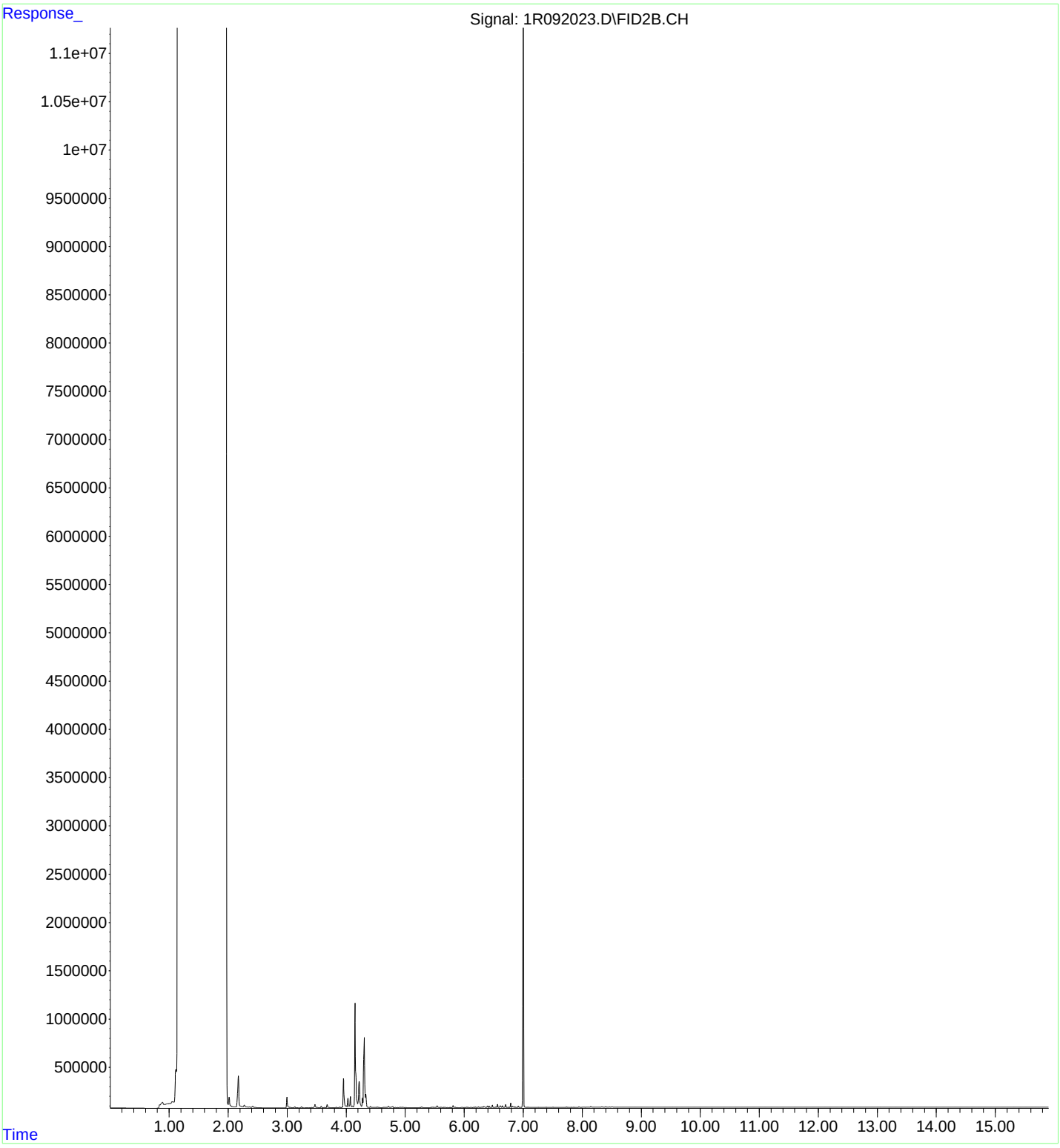
File :C:\msdchem\1\copied data\4I20033\1R092027.D
Operator : BLL/BJY
Acquired : 21 Sep 2024 3:58 am using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: A4H1527-07
Misc Info :
Vial Number: 67

Water Sample - MW-107R-082724



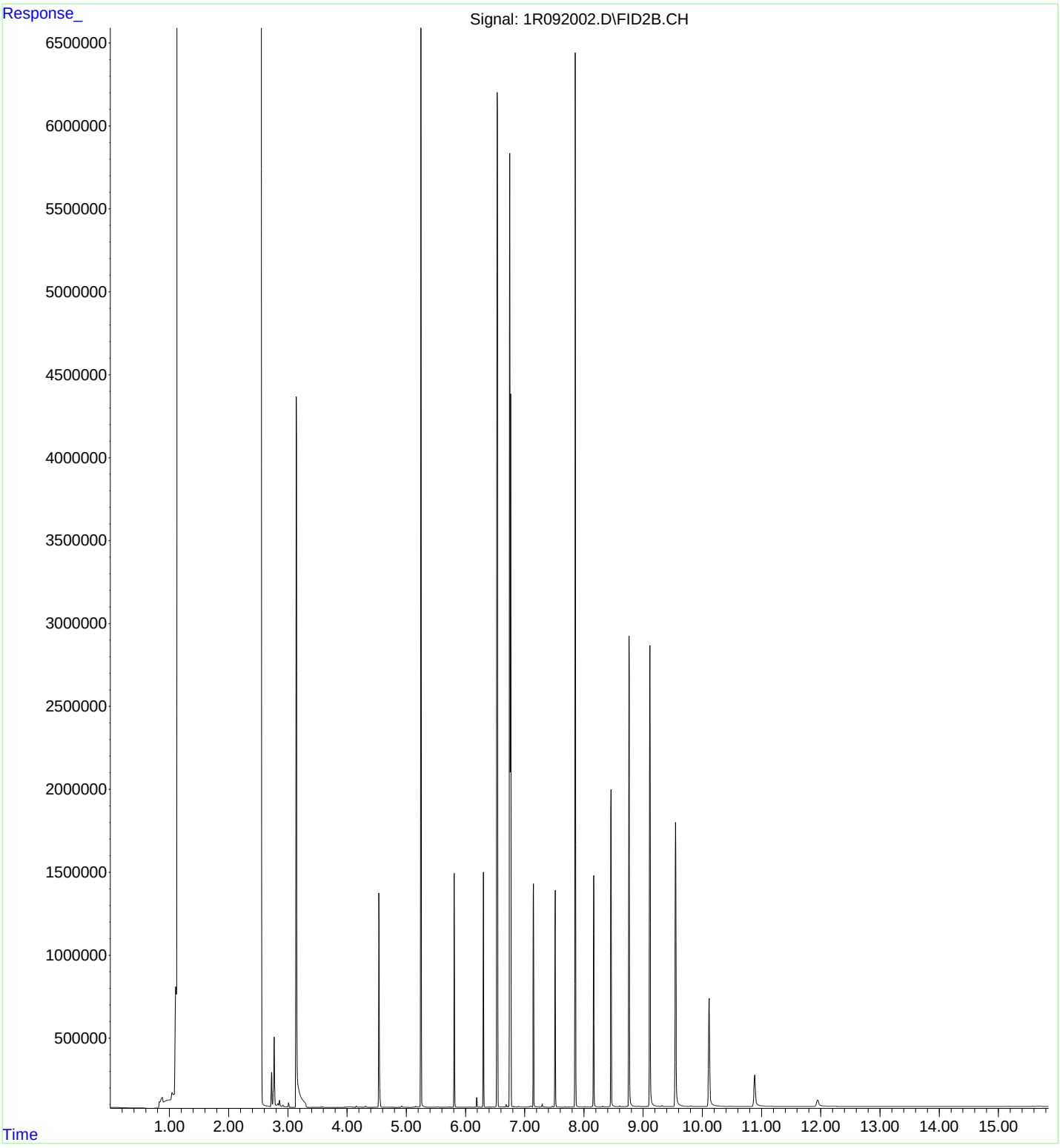
File :C:\msdchem\1\copied data\4I20033\1R092023.D
Operator : BLL/BJY
Acquired : 21 Sep 2024 2:24 am using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: 24I0646-BLK1
Misc Info :
Vial Number: 63

QC Sample - Method Blank



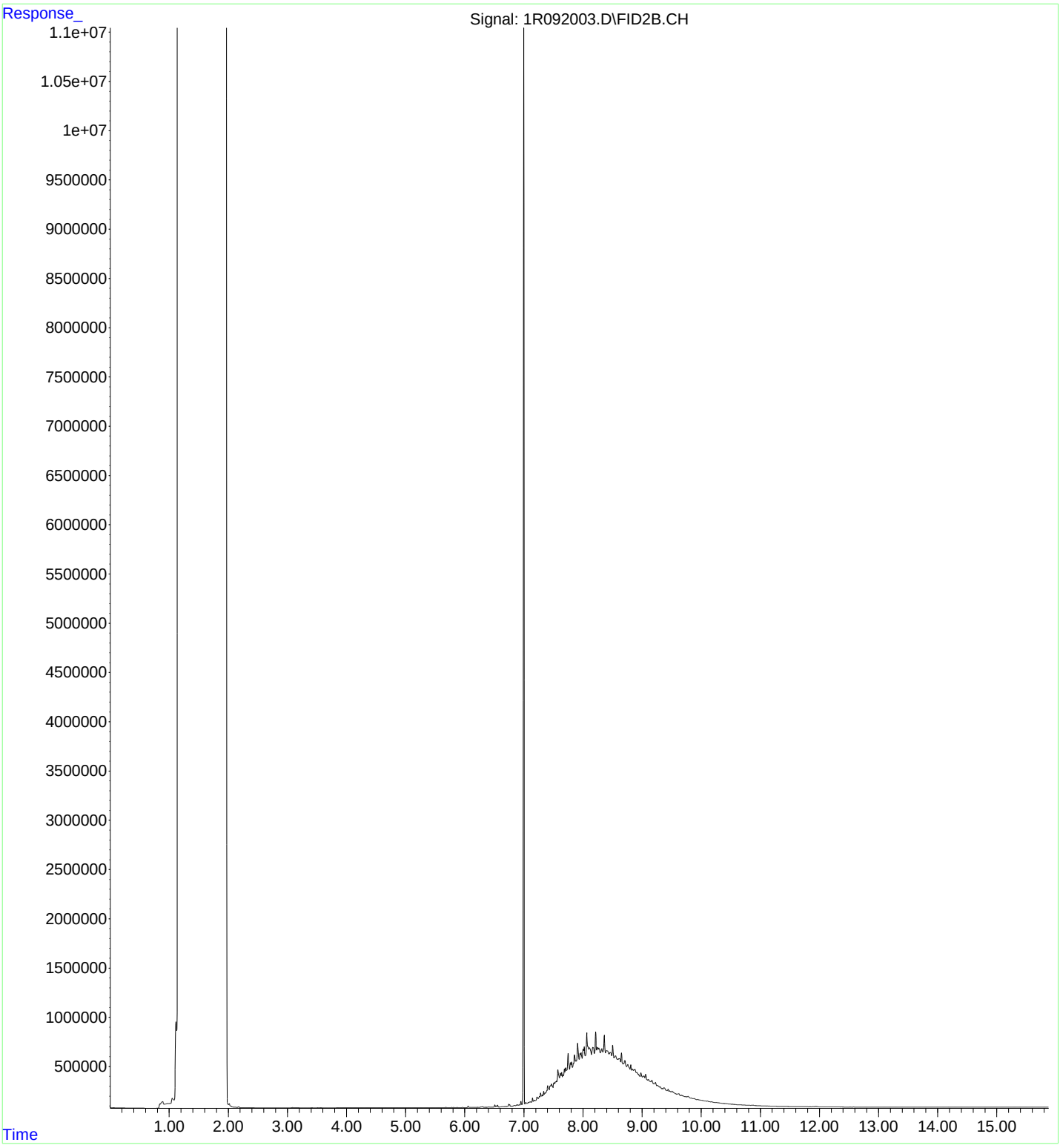
File :C:\msdchem\1\copied data\4I20033\1R092002.D
Operator : BLL/BJY
Acquired : 20 Sep 2024 5:08 pm using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: 4I20033-RES1
Misc Info :
Vial Number: 95

QC Sample - Retention Standard



File :C:\msdchem\1\copied data\4I20033\1R092003.D
Operator : BLL/BJY
Acquired : 20 Sep 2024 5:31 pm using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: 4I20033-CCV1
Misc Info :
Vial Number: 2

QC Sample - Motor Oil Standard



File :C:\msdchem\1\copied data\4I20033\1R092004.D
Operator : BLL/BJY
Acquired : 20 Sep 2024 5:54 pm using AcqMethod A1F40422.M
Instrument : HP G1530A
Sample Name: 4I20033-CCV2
Misc Info :
Vial Number: 1

QC Sample - Diesel Standard