



June 5, 2024

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

**RE: APRIL 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 April 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 of 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 4<sup>th</sup> 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,<sup>1</sup> 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.

Based on Table 3 of the CAP, “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)<sup>2</sup>, 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 first quarterly groundwater monitoring event and a summary of the analytical results.

## GROUNDWATER MONITORING ACTIVITIES

A groundwater monitoring event was conducted on April 29, 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, and MW-21, which are not part of the monitoring well network identified by the PPCD. Farallon was able to retrieve Ecology well tags from wells MW-16D (well tag number BCS 199) and MW-21 (Ecology well tag number BCS 199). 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<sup>3</sup>. Groundwater sampling was

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<sup>1</sup> 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).

<sup>2</sup> 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).

<sup>3</sup> 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.

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 and oil-range organics by NWTPH-Dx, with and without silica gel cleanup;
- Gasoline-range organics by NWTPH-Gx;
- Polycyclic aromatic hydrocarbons (PAHs) by 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.

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 4 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 for 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 indoor air in the groundwater samples collected from monitoring well MW-101R (Table 2).
- Benzene and ethylbenzene were detected at concentrations exceeding the groundwater screening levels protective of indoor air in groundwater samples collected from monitoring well MW-101R (Table 2).
- Benzene was detected at a concentration exceeding the Site-specific groundwater cleanup level in the groundwater sample collected from monitoring well MW-105 (Table 2).
- cPAHs were detected at concentrations 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-6R, MW-101R, and MW-107R (Table 4).
- Total arsenic was detected at concentrations exceeding the Site-specific groundwater cleanup level in groundwater samples collected from monitoring wells B-6R, MW-101R, MW-105, and MW-107R (Table 4).

Water quality parameters measured in the field are presented in Table 5. Laboratory analyses performed to evaluate conditions for Monitored Natural Attenuation are presented in Table 6.





## SCHEDULE

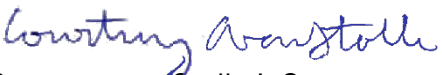
The next groundwater monitoring event at the Site is scheduled for July 2024, per the Groundwater Monitoring Work Plan.


## 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.**

  
Courtney van Stolk, L.G.  
Project Geologist

  
Suzy Stumpf, P.E.  
Principal Engineer

Attachments: Figure 1, *Site Plan*

Figure 2, *Groundwater Elevation Contour Map – April 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 Field Parameters*

Table 6, *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:ca

## 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

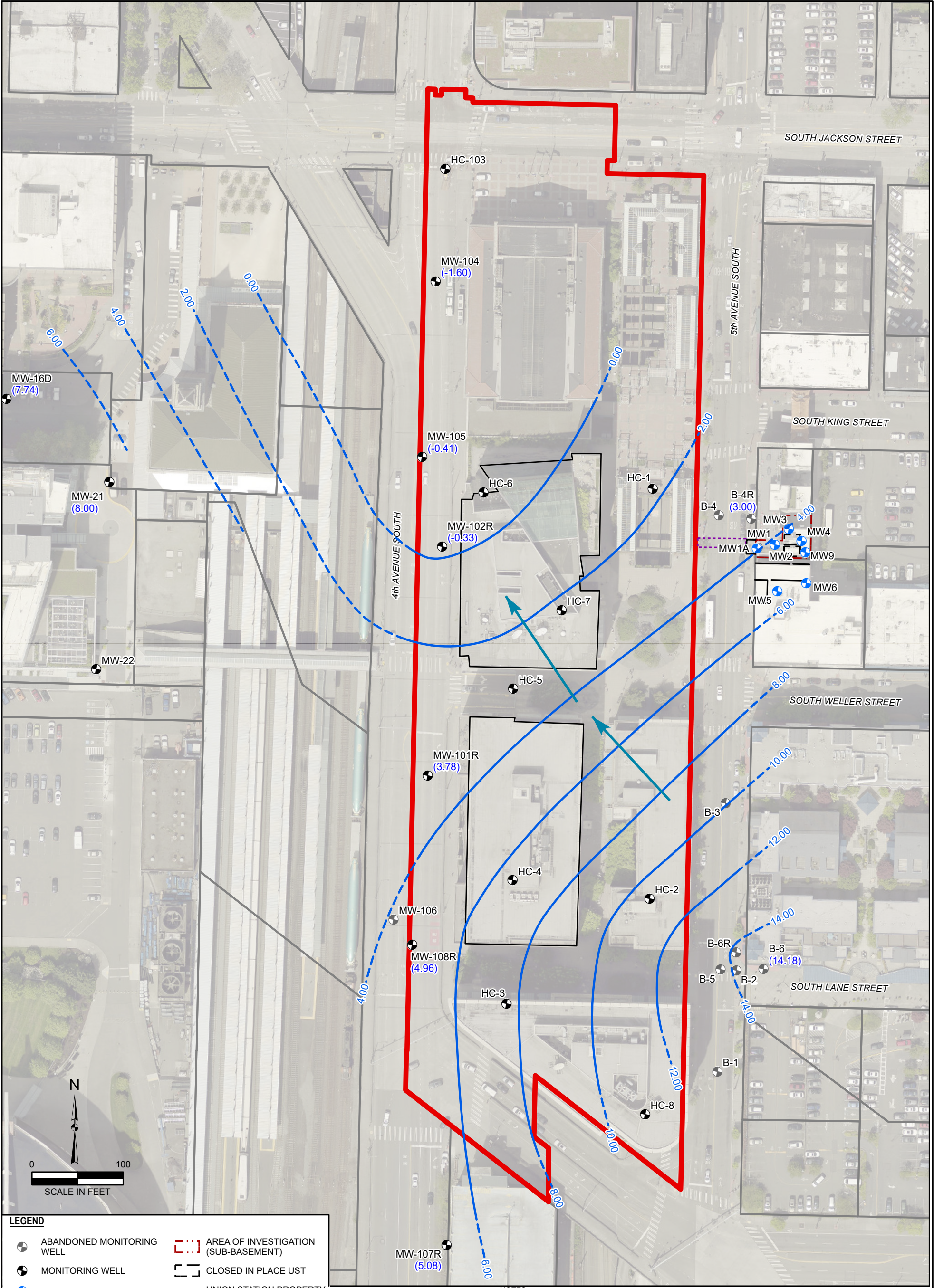
APRIL 2024 GROUNDWATER  
MONITORING PROGRESS REPORT  
Union Station Property  
411 S Jackson Street  
Seattle, Washington

Farallon PN: 2644-001









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

(5.08)

GROUNDWATER ELEVATION IN FEET RELATIVE  
TO SEATTLE DATUM, APRIL 29, 2024

6.00

GROUNDWATER ELEVATION CONTOUR IN FEET  
(DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

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.

FARALLON

CONSULTING

Washington  
Issaquah | Bellingham | Seattle

Oregon  
Portland | Baker City

California  
Oakland | Irvine

Quality Service for Environmental Solutions | farallonconsulting.com

FIGURE 2

GROUNDWATER CONTOUR MAP - APRIL 29, 2024

UNION STATION PROPERTY

SEATTLE, WASHINGTON

FARALLON PN: 2644-001

Drawn By: jjones

Checked By: CVS

Date: 6/5/2024

Disc Reference:

Path: Q:\Projects\2644 Union Station\001 505 Union Station\Mapfiles\006B\Figures-01\_03\_GW-Monitoring.aprx

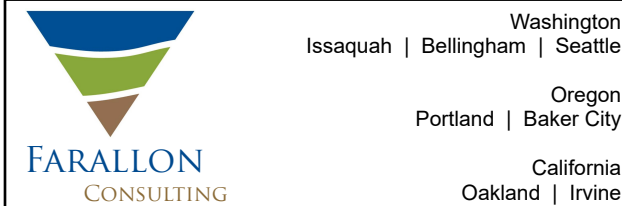


NOTES:  
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:  
DATE | DRO | GRO | BENZENE | DISSOLVED ARSENIC  
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.  
2024 DRO RESULTS ARE FROM SAMPLES TREATED WITH  
SILICA GEL CLEANUP PRIOR TO ANALYSIS  
**BOLD** = DENOTES CONCENTRATIONS EXCEEDING SITE-SPECIFIC  
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  
UST = UNDERGROUND STORAGE TANK



- 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

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



**FIGURE 3**  
**GROUNDWATER ANALYTICAL RESULTS**  
**UNION STATION PROPERTY**  
**SEATTLE, WASHINGTON**

FARALLON PN: 2644-001

Drawn By: j Jones

Checked By: SS

Date: 6/5/2024

Disc Reference:

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## TABLES

APRIL 2024 GROUNDWATER  
MONITORING PROGRESS REPORT  
Union Station Property  
411 S Jackson Street  
Seattle, Washington

Farallon PN: 2644-001



Table 1  
Groundwater Elevations  
Union Station Property  
Seattle, Washington  
Farallon PN: 2644-001

Well Location	Sampled By	Total Well Depth (feet bgs) <sup>1</sup>	Screened Interval Depth (feet bgs) <sup>1</sup>	Screened Interval Elevation (feet Seattle Datum) <sup>1</sup>	Top of Casing Elevation (feet Seattle Datum) <sup>2</sup>	Monitoring Date	Depth to Water (feet) <sup>3</sup>	Water Level Elevation (feet Seattle Datum) <sup>2</sup>
B-4R <sup>4</sup>	Farallon	40.61	31.0 to 41.0	5.74 to -4.26	36.35	10/7/2021	34.42	1.93
	Farallon					4/29/2024	33.35	3.00
B-6R	Farallon	43.98	23.98 to 43.98	10.4 to -9.6	34.38	10/7/2021	20.71	13.67
	Farallon					4/29/2024	20.20	14.18
MW-101R	Farallon	16.26	6.97 to 16.97	2.8 to -7.2	9.06	10/7/2021	6.04	3.02
	Farallon					4/29/2024	5.28	3.78
MW-102R	Farallon	22.3	13.67 to 23.67	-3.7 to -13.7	8.60	10/7/2021	9.33	-0.73
	Farallon					4/29/2024	8.93	-0.33
HC-103	Farallon	13.49	4.8 to 14.8	5.5 to -4.5	8.99	10/7/2021	8.16	0.83
MW-104	Farallon	19.69	10.75 to 20.75	-0.1 to -10.1	9.59	10/7/2021	11.14	-1.55
	Farallon					4/29/2024	11.19	-1.60
MW-105	Farallon	22.92	14.57 to 24.07	-4.5 to -14.0	8.92	10/7/2021	9.95	-1.03
	Farallon					4/29/2024	9.33	-0.41
MW-107R	Farallon	19.43	14.49 to 19.99	-1.5 to -7.0	12.43	10/7/2021	8.18	4.25
	Farallon					4/29/2024	7.35	5.08
MW-108R	Farallon	22.18	12.96 to 22.96	-3.4 to -13.4	8.78	10/7/2021	5.91	2.87
	Farallon					4/29/2024	3.82	4.96
North Lot Development								
MW-16D	Farallon	23	13.00 to 23.00	4.6 to -5.4	17.60	4/29/2024	9.86	7.74
MW-21	Farallon	14.9	5.00 to 15.00	12.17 to 2.17	17.17	4/29/2024	9.17	8.00

Notes:

--- denotes information unknown

<sup>1</sup> In feet below ground surface.

<sup>2</sup> In feet referenced to City of Seattle Datum, unless otherwise noted.

<sup>3</sup> In feet below top of well casing.

<sup>4</sup> 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 <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				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 <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				2,100		2,100		1,700	23	102	21	106		106

<div> <div>Table 2</div> <div>Groundwater Analytical Results for TPH and BTEX</div> <div>Union Station Property</div> <div>Seattle, Washington</div> <div>Farallon PN: 2644-001</div> </div>														
Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)										
				NWTPH-Dx <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				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 <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				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 <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				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 <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				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 <sup>1</sup>		NWTPH-Dx-SG <sup>1</sup>		GRO <sup>2</sup>	Benzene <sup>3</sup>	Toluene <sup>3</sup>	Ethylbenzene <sup>3</sup>	m,p-Xylenes <sup>3</sup>	o-Xylene <sup>3</sup>	Total Xylenes <sup>3</sup>
				DRO	ORO	DRO	ORO							
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
Site-Specific Cleanup Level for Groundwater <sup>4</sup>				NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	NE <sup>5</sup>	71	485	276	NE	NE	NE
Groundwater SL Protective of Indoor Air <sup>6</sup>				NE	NE	NE	NE	NE	2.4	15,000	2,800	320		320
Marine Surface Water SL Protective of Aquatic Receptors <sup>7</sup>				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 protective 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.  
<sup>1</sup>Analyzed by Northwest Method NWTPH-Dx or NWTPH-Dx with Silica Gel Cleanup (NWTPH-Dx-SG).  
<sup>2</sup>Analyzed by Northwest Method NWTPH-Gx.  
<sup>3</sup>Analyzed by U.S. Environmental Protection Agency Method 8260/8021MOD/8260D.  
<sup>4</sup>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.  
<sup>5</sup>If TPH is detected, the data will be reviewed to evaluate whether groundwater is adequately protected pursuant to WAC 173-340-720 (3) (c).  
<sup>6</sup>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>  
<sup>7</sup>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 tha representative of the fuel pattern reported.  
F-11 = the hydrocarbon pattern indicates weathered possible weathered diesel, mineral oil, or a contribution from a related compone  
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  
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 analy:  
SL = screening Level  
V-01 = sample aliquot taken from VOA vial with headspace (air bubble greater than 6mm diameter)

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) <sup>1</sup>																			
				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	---
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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) <sup>1</sup>																			
				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 Benzo(a,h)anthracenes
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	---
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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

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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) <sup>1</sup>																				
				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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 0.11	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	< 1.0	< 102.0
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	0.22	0.16	---	---	< 0.10	< 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	< 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	< 0.755	---
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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) <sup>1</sup>																				
				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 Benzo(a,h)anthracenes	
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 1.0	< 2.0
	Landau	8/21/2019	19H0324^	---	---	---	---	---	---	---	---	---	---	---	---	< 0.10	< 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	< 0.200	---
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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) <sup>1</sup>																				
				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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	---	
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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) <sup>1</sup>																			
				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 Benzo(a,h)anthracenes
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	---	
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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) <sup>1</sup>																				
				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 Benzo(a,h)anthracenes	
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	< 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	< 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	< 0.769	---	
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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) <sup>1</sup>																			
				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	---
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				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  
<sup>1</sup>Analyzed by U.S. Environmental Protection Agency Method 8270D/8270E unless otherwise noted.  
<sup>2</sup>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**  
**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) <sup>1</sup>	
				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
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
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				4	
MTCA Cleanup Levels for Groundwater <sup>3</sup>				8 <sup>4</sup>	

**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) <sup>1</sup>	
				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
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				4	
MTCA Cleanup Levels for Groundwater <sup>3</sup>				8 <sup>4</sup>	

**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) <sup>1</sup>	
				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
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				4	
MTCA Cleanup Levels for Groundwater <sup>3</sup>				8 <sup>4</sup>	

**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) <sup>1</sup>	
				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	---	<b>7.0</b>
	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
MW-105	Landau	6/16/1999	AK50I	---	<b>6</b>
	Landau	12/16/1999	BD02F	---	<b>14</b>
	Landau	3/22/2000	BK98C	---	<b>10</b>
	Landau	6/14/2000	BT43F	---	<b>14</b>
	Landau	9/27/2000	CF72I	---	<b>7</b>
	Landau	9/27/2000*	CF72D	---	<b>6</b>
	Landau	12/20/2000	CP44C	---	<b>18</b>
	Landau	3/14/2001	CV96D	---	<b>14</b>
	Landau	6/22/2001	DH51G	---	<b>14</b>
	Landau	9/26/2001	DQ61D	---	<b>14</b>
	Landau	12/19/2001	DY69F	---	<b>18 J</b>
	Landau	3/20/2002	EE79D	---	<b>19</b>
	Landau	6/19/2002	EM41E	---	<b>12</b>
	Landau	6/25/2003	FP47D/M	---	<b>12</b>
	Landau	6/9/2004	GS18D	---	<b>17</b>
	Landau	8/25/2009	PL85D	---	1.4
	Landau	06/18/2014	YO69C	---	<b>15</b>
	Landau	8/21/2019	19H0324	---	<b>8.19</b>
	Farallon	10/7/2021	MW-105-20211007	<b>13.3</b>	<b>12.6</b>
	Farallon	4/29/2024	MW-105-20240429	<b>5.47</b>	3.85
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				<b>4</b>	
MTCA Cleanup Levels for Groundwater <sup>3</sup>				<b>8<sup>4</sup></b>	

**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) <sup>1</sup>	
				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
Site-Specific Cleanup Level for Groundwater <sup>2</sup>				4	
MTCA Cleanup Levels for Groundwater <sup>3</sup>				8 <sup>4</sup>	



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

**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.

<sup>1</sup>Analyzed by U.S. Environmental Protection Agency Method 200.8/6010/6020B.

<sup>2</sup>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.

<sup>3</sup>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.

<sup>4</sup>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.

Farallon = Farallon Consulting, L.L.C.

J = result is an estimate

Landau = Landau Associates, Inc.

Table 5  
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
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

Table 5  
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
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

Table 5  
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
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

Table 5  
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
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

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 6  
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) <sup>1</sup>	Total Suspended Solids (mg/L) <sup>2</sup>	Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Bicarbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Carbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Hydroxide Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Nitrate (mg/L) <sup>4</sup>	Sulfate (mg/L) <sup>4</sup>	Methane mg/L) <sup>5</sup>
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
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

Table 6  
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) <sup>1</sup>	Total Suspended Solids (mg/L) <sup>2</sup>	Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Bicarbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Carbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Hydroxide Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Nitrate (mg/L) <sup>4</sup>	Sulfate (mg/L) <sup>4</sup>	Methane mg/L <sup>5</sup>
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	---	---	---	---	---	---	---
MW-102R	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
	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

Table 6  
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) <sup>1</sup>	Total Suspended Solids (mg/L) <sup>2</sup>	Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Bicarbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Carbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Hydroxide Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Nitrate (mg/L) <sup>4</sup>	Sulfate (mg/L) <sup>4</sup>	Methane mg/L <sup>5</sup>
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
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



Table 6  
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) <sup>1</sup>	Total Suspended Solids (mg/L) <sup>2</sup>	Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Bicarbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Carbonate Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Hydroxide Alkalinity (mg CaCO <sub>3</sub> /L) <sup>3</sup>	Nitrate (mg/L) <sup>4</sup>	Sulfate (mg/L) <sup>4</sup>	Methane mg/L <sup>5</sup>
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	---	---	---	---	---	---	---
MW-108R	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
	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

NOTES:

\* denotes sample is a field duplicate.

<sup>1</sup>Analyzed by Standard Method 2540C.

<sup>2</sup>Analyzed by Standard Method 2540D.

<sup>3</sup>Analyzed by Standard Method 2320B.

<sup>4</sup>Analyzed by US Environmental Protection Agency (EPA) Method 300.0

<sup>5</sup>Analyzed by EPA Method RSK 175.

mg CaCO<sub>3</sub>/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**

APRIL 2024 GROUNDWATER  
MONITORING PROGRESS REPORT  
Union Station Property  
411 S Jackson Street  
Seattle, Washington

Farallon PN: 2644-001



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Wednesday, May 22, 2024

Suzy Stumpf

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

RE: A4D1728 - 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 A4D1728, which was received by the laboratory on 4/30/2024 at 3:15:00PM.

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](mailto: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					
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>					
(See Cooler Receipt Form for details)					
Cooler #1	2.2	degC	Cooler #2	4.4	degC
Cooler #3	4.3	degC	Cooler #4	2.0	degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

*C. O'Brien*

*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.*

Cameron O'Brien, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-102R-20240429	A4D1728-01	Water	04/29/24 10:20	04/30/24 15:15
MW-105-20240429	A4D1728-02	Water	04/29/24 12:25	04/30/24 15:15
MW-104-20240429	A4D1728-03	Water	04/29/24 14:00	04/30/24 15:15
MW-101R-20240429	A4D1728-04	Water	04/29/24 09:48	04/30/24 15:15
MW-107R-20240429	A4D1728-05	Water	04/29/24 14:13	04/30/24 15:15
MW-108R-20240429	A4D1728-06	Water	04/29/24 12:15	04/30/24 15:15
B-6R-20240429	A4D1728-07	Water	04/29/24 16:33	04/30/24 15:15
B-4R-20240429	A4D1728-08	Water	04/29/24 18:44	04/30/24 15:15

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Cameron O'Brien, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

ANALYTICAL CASE NARRATIVE

Work Order: **A4D1728**

**Apex Laboratories**

Subcontract

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

Cameron O'Brien

Project Manager

Apex Laboratories

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Report ID:

A4D1728 - 05 22 24 1607

## 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-102R-20240429 (A4D1728-01)				Matrix: Water		Batch: 24E0126		
Diesel	208	---	80.0	ug/L	1	05/03/24 20:20	NWTPH-Dx LL	F-11
Oil	ND	---	160	ug/L	1	05/03/24 20:20	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 81 %		Limits: 50-150 %	1	05/03/24 20:20	NWTPH-Dx LL	
MW-105-20240429 (A4D1728-02)				Matrix: Water		Batch: 24E0126		
Diesel	413	---	78.4	ug/L	1	05/03/24 20:40	NWTPH-Dx LL	F-13
Oil	ND	---	157	ug/L	1	05/03/24 20:40	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 87 %		Limits: 50-150 %	1	05/03/24 20:40	NWTPH-Dx LL	
MW-104-20240429 (A4D1728-03)				Matrix: Water		Batch: 24E0176		
Diesel	259	---	84.2	ug/L	1	05/06/24 18:01	NWTPH-Dx LL	F-13
Oil	ND	---	168	ug/L	1	05/06/24 18:01	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 87 %		Limits: 50-150 %	1	05/06/24 18:01	NWTPH-Dx LL	
MW-101R-20240429 (A4D1728-04)				Matrix: Water		Batch: 24E0126		
Diesel	1660	---	74.8	ug/L	1	05/03/24 21:01	NWTPH-Dx LL	F-13
Oil	ND	---	150	ug/L	1	05/03/24 21:01	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %	1	05/03/24 21:01	NWTPH-Dx LL	
MW-107R-20240429 (A4D1728-05)				Matrix: Water		Batch: 24E0176		
Diesel	1200	---	76.9	ug/L	1	05/06/24 18:21	NWTPH-Dx LL	F-13
Oil	ND	---	154	ug/L	1	05/06/24 18:21	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 81 %		Limits: 50-150 %	1	05/06/24 18:21	NWTPH-Dx LL	
MW-108R-20240429 (A4D1728-06)				Matrix: Water		Batch: 24E0176		
Diesel	92.1	---	76.9	ug/L	1	05/06/24 19:02	NWTPH-Dx LL	F-11
Oil	ND	---	154	ug/L	1	05/06/24 19:02	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %	1	05/06/24 19:02	NWTPH-Dx LL	
B-6R-20240429 (A4D1728-07)				Matrix: Water		Batch: 24E0176		
Diesel	115	---	83.3	ug/L	1	05/06/24 19:43	NWTPH-Dx LL	F-11
Oil	ND	---	167	ug/L	1	05/06/24 19:43	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 103 %		Limits: 50-150 %	1	05/06/24 19:43	NWTPH-Dx LL	

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975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

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>B-4R-20240429 (A4D1728-08)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0176</b>		
Diesel	178	---	80.0	ug/L	1	05/06/24 20:23	NWTPH-Dx LL	F-13
Oil	ND	---	160	ug/L	1	05/06/24 20:23	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>05/06/24 20:23</i>	<i>NWTPH-Dx LL</i>	

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## 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-102R-20240429 (A4D1728-01)				Matrix: Water		Batch: 24E0354		
Diesel	ND	---	80.0	ug/L	1	05/09/24 20:22	NWTPH-Dx/SGC	
Oil	ND	---	160	ug/L	1	05/09/24 20:22	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 72 %		Limits: 50-150 %	1	05/09/24 20:22	NWTPH-Dx/SGC	
MW-105-20240429 (A4D1728-02)				Matrix: Water		Batch: 24E0354		
Diesel	121	---	78.4	ug/L	1	05/09/24 20:42	NWTPH-Dx/SGC	F-17
Oil	ND	---	157	ug/L	1	05/09/24 20:42	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 66 %		Limits: 50-150 %	1	05/09/24 20:42	NWTPH-Dx/SGC	
MW-104-20240429 (A4D1728-03)				Matrix: Water		Batch: 24E0355		
Diesel	95.1	---	84.2	ug/L	1	05/09/24 20:26	NWTPH-Dx/SGC	F-12
Oil	ND	---	168	ug/L	1	05/09/24 20:26	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 70 %		Limits: 50-150 %	1	05/09/24 20:26	NWTPH-Dx/SGC	
MW-101R-20240429 (A4D1728-04)				Matrix: Water		Batch: 24E0354		
Diesel	771	---	74.8	ug/L	1	05/09/24 21:03	NWTPH-Dx/SGC	F-17
Oil	ND	---	150	ug/L	1	05/09/24 21:03	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 78 %		Limits: 50-150 %	1	05/09/24 21:03	NWTPH-Dx/SGC	
MW-107R-20240429 (A4D1728-05)				Matrix: Water		Batch: 24E0355		
Diesel	683	---	76.9	ug/L	1	05/09/24 20:47	NWTPH-Dx/SGC	F-17
Oil	ND	---	154	ug/L	1	05/09/24 20:47	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 68 %		Limits: 50-150 %	1	05/09/24 20:47	NWTPH-Dx/SGC	
MW-108R-20240429 (A4D1728-06)				Matrix: Water		Batch: 24E0355		
Diesel	ND	---	76.9	ug/L	1	05/09/24 21:07	NWTPH-Dx/SGC	
Oil	ND	---	154	ug/L	1	05/09/24 21:07	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 68 %		Limits: 50-150 %	1	05/09/24 21:07	NWTPH-Dx/SGC	
B-6R-20240429 (A4D1728-07)				Matrix: Water		Batch: 24E0355		
Diesel	ND	---	83.3	ug/L	1	05/09/24 21:28	NWTPH-Dx/SGC	
Oil	ND	---	167	ug/L	1	05/09/24 21:28	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 94 %		Limits: 50-150 %	1	05/09/24 21:28	NWTPH-Dx/SGC	

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## ANALYTICAL REPORT

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Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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
<b>B-4R-20240429 (A4D1728-08)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0355</b>		
Diesel	ND	---	80.0	ug/L	1	05/09/24 21:48	NWTPH-Dx/SGC	
Oil	ND	---	160	ug/L	1	05/09/24 21:48	NWTPH-Dx/SGC	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>05/09/24 21:48</i>	<i>NWTPH-Dx/SGC</i>	

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A4D1728 - 05 22 24 1607

## 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>MW-102R-20240429 (A4D1728-01RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0040</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	05/01/24 22:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 92 %	Limits: 50-150 %	1	05/01/24 22:01	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		114 %	50-150 %	1	05/01/24 22:01	NWTPH-Gx (MS)		
<b>MW-105-20240429 (A4D1728-02RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	502	---	100	ug/L	1	05/03/24 08:39	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 93 %	Limits: 50-150 %	1	05/03/24 08:39	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		95 %	50-150 %	1	05/03/24 08:39	NWTPH-Gx (MS)		
<b>MW-104-20240429 (A4D1728-03RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	05/03/24 09:01	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 102 %	Limits: 50-150 %	1	05/03/24 09:01	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		110 %	50-150 %	1	05/03/24 09:01	NWTPH-Gx (MS)		
<b>MW-101R-20240429 (A4D1728-04RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	3830	---	200	ug/L	2	05/03/24 15:14	NWTPH-Gx (MS)	F-03
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	05/03/24 15:14	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		92 %	50-150 %	1	05/03/24 15:14	NWTPH-Gx (MS)		
<b>MW-107R-20240429 (A4D1728-05RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	608	---	100	ug/L	1	05/03/24 10:51	NWTPH-Gx (MS)	F-03
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 105 %	Limits: 50-150 %	1	05/03/24 10:51	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		106 %	50-150 %	1	05/03/24 10:51	NWTPH-Gx (MS)		
<b>MW-108R-20240429 (A4D1728-06RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	05/03/24 09:45	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	05/03/24 09:45	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		107 %	50-150 %	1	05/03/24 09:45	NWTPH-Gx (MS)		
<b>B-6R-20240429 (A4D1728-07RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	05/03/24 10:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	1	05/03/24 10:07	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		107 %	50-150 %	1	05/03/24 10:07	NWTPH-Gx (MS)		

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Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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>B-4R-20240429 (A4D1728-08RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0077</b>		
Gasoline Range Organics	ND	---	100	ug/L	1	05/03/24 10:29	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	103 %	Limits: 50-150 %	1	05/03/24 10:29	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			112 %	50-150 %	1	05/03/24 10:29	NWTPH-Gx (MS)	

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## ANALYTICAL SAMPLE RESULTS

## BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-20240429 (A4D1728-01RE1)				Matrix: Water		Batch: 24E0040		
Benzene	ND	---	0.200	ug/L	1	05/01/24 22:01	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	05/01/24 22:01	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	05/01/24 22:01	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	05/01/24 22:01	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 109 %		Limits: 80-120 %	1	05/01/24 22:01	EPA 8260D	
Toluene-d8 (Surr)		107 %		80-120 %	1	05/01/24 22:01	EPA 8260D	
4-Bromofluorobenzene (Surr)		93 %		80-120 %	1	05/01/24 22:01	EPA 8260D	
MW-105-20240429 (A4D1728-02RE1)				Matrix: Water		Batch: 24E0077		
Benzene	109	---	0.200	ug/L	1	05/03/24 08:39	EPA 8260D	
Toluene	4.49	---	1.00	ug/L	1	05/03/24 08:39	EPA 8260D	
Ethylbenzene	6.78	---	0.500	ug/L	1	05/03/24 08:39	EPA 8260D	
Xylenes, total	4.44	---	1.50	ug/L	1	05/03/24 08:39	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 91 %		Limits: 80-120 %	1	05/03/24 08:39	EPA 8260D	
Toluene-d8 (Surr)		101 %		80-120 %	1	05/03/24 08:39	EPA 8260D	
4-Bromofluorobenzene (Surr)		103 %		80-120 %	1	05/03/24 08:39	EPA 8260D	
MW-104-20240429 (A4D1728-03RE1)				Matrix: Water		Batch: 24E0077		
Benzene	ND	---	0.200	ug/L	1	05/03/24 09:01	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	05/03/24 09:01	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	05/03/24 09:01	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	05/03/24 09:01	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 106 %		Limits: 80-120 %	1	05/03/24 09:01	EPA 8260D	
Toluene-d8 (Surr)		104 %		80-120 %	1	05/03/24 09:01	EPA 8260D	
4-Bromofluorobenzene (Surr)		103 %		80-120 %	1	05/03/24 09:01	EPA 8260D	
MW-101R-20240429 (A4D1728-04RE1)				Matrix: Water		Batch: 24E0077		
Benzene	43.2	---	0.400	ug/L	2	05/03/24 15:14	EPA 8260D	
Toluene	ND	---	2.00	ug/L	2	05/03/24 15:14	EPA 8260D	
Ethylbenzene	85.3	---	1.00	ug/L	2	05/03/24 15:14	EPA 8260D	
Xylenes, total	19.0	---	3.00	ug/L	2	05/03/24 15:14	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 96 %		Limits: 80-120 %	1	05/03/24 15:14	EPA 8260D	
Toluene-d8 (Surr)		99 %		80-120 %	1	05/03/24 15:14	EPA 8260D	
4-Bromofluorobenzene (Surr)		106 %		80-120 %	1	05/03/24 15:14	EPA 8260D	

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A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## BTEX Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-107R-20240429 (A4D1728-05RE1)				Matrix: Water		Batch: 24E0077		
Benzene	1.17	---	0.200	ug/L	1	05/03/24 10:51	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	05/03/24 10:51	EPA 8260D	
Ethylbenzene	4.68	---	0.500	ug/L	1	05/03/24 10:51	EPA 8260D	
Xylenes, total	4.39	---	1.50	ug/L	1	05/03/24 10:51	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	106 %	Limits:	80-120 %	1	05/03/24 10:51	EPA 8260D
Toluene-d8 (Surr)			97 %		80-120 %	1	05/03/24 10:51	EPA 8260D
4-Bromofluorobenzene (Surr)			100 %		80-120 %	1	05/03/24 10:51	EPA 8260D
MW-108R-20240429 (A4D1728-06RE1)				Matrix: Water		Batch: 24E0077		
Benzene	ND	---	0.200	ug/L	1	05/03/24 09:45	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	05/03/24 09:45	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	05/03/24 09:45	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	05/03/24 09:45	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	104 %	Limits:	80-120 %	1	05/03/24 09:45	EPA 8260D
Toluene-d8 (Surr)			103 %		80-120 %	1	05/03/24 09:45	EPA 8260D
4-Bromofluorobenzene (Surr)			101 %		80-120 %	1	05/03/24 09:45	EPA 8260D
B-6R-20240429 (A4D1728-07RE1)				Matrix: Water		Batch: 24E0077		
Benzene	ND	---	0.200	ug/L	1	05/03/24 10:07	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	05/03/24 10:07	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	05/03/24 10:07	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	05/03/24 10:07	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	107 %	Limits:	80-120 %	1	05/03/24 10:07	EPA 8260D
Toluene-d8 (Surr)			102 %		80-120 %	1	05/03/24 10:07	EPA 8260D
4-Bromofluorobenzene (Surr)			103 %		80-120 %	1	05/03/24 10:07	EPA 8260D
B-4R-20240429 (A4D1728-08RE1)				Matrix: Water		Batch: 24E0077		
Benzene	ND	---	0.200	ug/L	1	05/03/24 10:29	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	05/03/24 10:29	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	05/03/24 10:29	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	05/03/24 10:29	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	111 %	Limits:	80-120 %	1	05/03/24 10:29	EPA 8260D
Toluene-d8 (Surr)			103 %		80-120 %	1	05/03/24 10:29	EPA 8260D
4-Bromofluorobenzene (Surr)			102 %		80-120 %	1	05/03/24 10:29	EPA 8260D

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## ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323

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Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-20240429 (A4D1728-01RE1)				Matrix: Water		Batch: 24E0134		
Acenaphthene	6.80	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Acenaphthylene	ND	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Anthracene	0.535	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Benz(a)anthracene	ND	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Benzo(a)pyrene	ND	---	0.300	ug/L	10	05/06/24 15:19	EPA 8270E	
Benzo(b)fluoranthene	ND	---	0.300	ug/L	10	05/06/24 15:19	EPA 8270E	
Benzo(k)fluoranthene	ND	---	0.300	ug/L	10	05/06/24 15:19	EPA 8270E	
Benzo(g,h,i)perylene	ND	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Chrysene	ND	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Dibenz(a,h)anthracene	ND	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Fluoranthene	0.574	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Fluorene	2.11	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
1-Methylnaphthalene	ND	---	0.400	ug/L	10	05/06/24 15:19	EPA 8270E	
2-Methylnaphthalene	ND	---	0.400	ug/L	10	05/06/24 15:19	EPA 8270E	
Naphthalene	ND	---	0.400	ug/L	10	05/06/24 15:19	EPA 8270E	
Phenanthrene	0.473	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Pyrene	0.472	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Dibenzofuran	0.203	---	0.200	ug/L	10	05/06/24 15:19	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery: 53 %		Limits: 44-120 %	10	05/06/24 15:19	EPA 8270E	
2-Fluorobiphenyl (Surr)		57 %		44-120 %	10	05/06/24 15:19	EPA 8270E	
Phenol-d6 (Surr)		19 %		10-133 %	10	05/06/24 15:19	EPA 8270E	
p-Terphenyl-d14 (Surr)		71 %		50-134 %	10	05/06/24 15:19	EPA 8270E	
2-Fluorophenol (Surr)		30 %		19-120 %	10	05/06/24 15:19	EPA 8270E	
2,4,6-Tribromophenol (Surr)		92 %		43-140 %	10	05/06/24 15:19	EPA 8270E	

## MW-105-20240429 (A4D1728-02)

Matrix: Water

Batch: 24E0134

Acenaphthene	30.1	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E
Acenaphthylene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E
Anthracene	2.41	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E
Benz(a)anthracene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E
Benzo(a)pyrene	ND	---	1.12	ug/L	40	05/03/24 23:01	EPA 8270E
Benzo(b)fluoranthene	ND	---	1.12	ug/L	40	05/03/24 23:01	EPA 8270E
Benzo(k)fluoranthene	ND	---	1.12	ug/L	40	05/03/24 23:01	EPA 8270E
Benzo(g,h,i)perylene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E
Chrysene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E

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## ANALYTICAL REPORT

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Farallon Consulting - Issaquah

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Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW-105-20240429 (A4D1728-02)</b>		<b>Matrix: Water</b>		<b>Batch: 24E0134</b>				
Dibenz(a,h)anthracene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
Fluoranthene	4.69	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
Fluorene	9.23	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
1-Methylnaphthalene	4.09	---	1.50	ug/L	40	05/03/24 23:01	EPA 8270E	
2-Methylnaphthalene	ND	---	1.50	ug/L	40	05/03/24 23:01	EPA 8270E	
Naphthalene	10.2	---	1.50	ug/L	40	05/03/24 23:01	EPA 8270E	
Phenanthrene	ND	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
Pyrene	3.97	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
Dibenzofuran	4.53	---	0.748	ug/L	40	05/03/24 23:01	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery: 51 %		Limits: 44-120 %	40	05/03/24 23:01	EPA 8270E	S-05
2-Fluorobiphenyl (Surr)		62 %		44-120 %	40	05/03/24 23:01	EPA 8270E	S-05
Phenol-d6 (Surr)		16 %		10-133 %	40	05/03/24 23:01	EPA 8270E	S-05
p-Terphenyl-d14 (Surr)		71 %		50-134 %	40	05/03/24 23:01	EPA 8270E	S-05
2-Fluorophenol (Surr)		28 %		19-120 %	40	05/03/24 23:01	EPA 8270E	S-05
2,4,6-Tribromophenol (Surr)		105 %		43-140 %	40	05/03/24 23:01	EPA 8270E	S-05
<b>MW-104-20240429 (A4D1728-03RE1)</b>		<b>Matrix: Water</b>		<b>Batch: 24E0134</b>				
Acenaphthene	26.7	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Acenaphthylene	0.445	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Anthracene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Benz(a)anthracene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Benzo(a)pyrene	ND	---	0.316	ug/L	10	05/06/24 15:54	EPA 8270E	
Benzo(b)fluoranthene	ND	---	0.316	ug/L	10	05/06/24 15:54	EPA 8270E	
Benzo(k)fluoranthene	ND	---	0.316	ug/L	10	05/06/24 15:54	EPA 8270E	
Benzo(g,h,i)perylene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Chrysene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Dibenz(a,h)anthracene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Fluoranthene	1.04	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Fluorene	2.72	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
1-Methylnaphthalene	0.471	---	0.421	ug/L	10	05/06/24 15:54	EPA 8270E	
2-Methylnaphthalene	ND	---	0.421	ug/L	10	05/06/24 15:54	EPA 8270E	
Naphthalene	ND	---	0.421	ug/L	10	05/06/24 15:54	EPA 8270E	
Phenanthrene	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Pyrene	0.787	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	

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## ANALYTICAL REPORT

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Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW-104-20240429 (A4D1728-03RE1)</b>			<b>Matrix: Water</b>		<b>Batch: 24E0134</b>			
Dibenzofuran	ND	---	0.211	ug/L	10	05/06/24 15:54	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery:	54 %	Limits:	44-120 %	10	05/06/24 15:54	EPA 8270E
2-Fluorobiphenyl (Surr)			59 %		44-120 %	10	05/06/24 15:54	EPA 8270E
Phenol-d6 (Surr)			19 %		10-133 %	10	05/06/24 15:54	EPA 8270E
p-Terphenyl-d14 (Surr)			86 %		50-134 %	10	05/06/24 15:54	EPA 8270E
2-Fluorophenol (Surr)			31 %		19-120 %	10	05/06/24 15:54	EPA 8270E
2,4,6-Tribromophenol (Surr)			83 %		43-140 %	10	05/06/24 15:54	EPA 8270E
<b>MW-101R-20240429 (A4D1728-04RE1)</b>			<b>Matrix: Water</b>		<b>Batch: 24E0134</b>			
Acenaphthene	108	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	R-02
Acenaphthylene	ND	---	1.13	ug/L	40	05/06/24 13:38	EPA 8270E	
Anthracene	6.13	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Benz(a)anthracene	0.948	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Benzo(a)pyrene	1.63	---	1.13	ug/L	40	05/06/24 13:38	EPA 8270E	
Benzo(b)fluoranthene	1.30	---	1.13	ug/L	40	05/06/24 13:38	EPA 8270E	
Benzo(k)fluoranthene	ND	---	1.13	ug/L	40	05/06/24 13:38	EPA 8270E	
Benzo(g,h,i)perylene	ND	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Chrysene	ND	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Dibenz(a,h)anthracene	ND	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Fluoranthene	5.35	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Fluorene	42.9	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
1-Methylnaphthalene	125	---	1.51	ug/L	40	05/06/24 13:38	EPA 8270E	
2-Methylnaphthalene	108	---	1.51	ug/L	40	05/06/24 13:38	EPA 8270E	
Naphthalene	163	---	1.51	ug/L	40	05/06/24 13:38	EPA 8270E	
Phenanthrene	48.9	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Pyrene	5.19	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Dibenzofuran	8.77	---	0.755	ug/L	40	05/06/24 13:38	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery:	42 %	Limits:	44-120 %	40	05/06/24 13:38	EPA 8270E S-05
2-Fluorobiphenyl (Surr)			47 %		44-120 %	40	05/06/24 13:38	EPA 8270E S-05
Phenol-d6 (Surr)			12 %		10-133 %	40	05/06/24 13:38	EPA 8270E S-05
p-Terphenyl-d14 (Surr)			90 %		50-134 %	40	05/06/24 13:38	EPA 8270E S-05
2-Fluorophenol (Surr)			20 %		19-120 %	40	05/06/24 13:38	EPA 8270E S-05
2,4,6-Tribromophenol (Surr)			121 %		43-140 %	40	05/06/24 13:38	EPA 8270E S-05

MW-107R-20240429 (A4D1728-05)

Matrix: Water

Batch: 24E0134

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Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-107R-20240429 (A4D1728-05)				Matrix: Water		Batch: 24E0134		
Acenaphthene	56.1	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	R-02
Acenaphthylene	ND	---	2.69	ug/L	40	05/03/24 20:12	EPA 8270E	
Anthracene	1.53	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Benz(a)anthracene	ND	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Benzo(a)pyrene	ND	---	1.15	ug/L	40	05/03/24 20:12	EPA 8270E	
Benzo(b)fluoranthene	ND	---	1.15	ug/L	40	05/03/24 20:12	EPA 8270E	
Benzo(k)fluoranthene	ND	---	1.15	ug/L	40	05/03/24 20:12	EPA 8270E	
Benzo(g,h,i)perylene	ND	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Chrysene	ND	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Dibenz(a,h)anthracene	ND	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Fluoranthene	0.809	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Fluorene	19.9	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
1-Methylnaphthalene	48.3	---	1.54	ug/L	40	05/03/24 20:12	EPA 8270E	
2-Methylnaphthalene	26.7	---	1.54	ug/L	40	05/03/24 20:12	EPA 8270E	
Naphthalene	24.8	---	1.54	ug/L	40	05/03/24 20:12	EPA 8270E	
Phenanthrene	11.0	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Pyrene	0.805	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Dibenzofuran	2.89	---	0.769	ug/L	40	05/03/24 20:12	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery: 43 %		Limits: 44-120 %	40	05/03/24 20:12	EPA 8270E	S-05
2-Fluorobiphenyl (Surr)		50 %		44-120 %	40	05/03/24 20:12	EPA 8270E	S-05
Phenol-d6 (Surr)		12 %		10-133 %	40	05/03/24 20:12	EPA 8270E	S-05
p-Terphenyl-d14 (Surr)		92 %		50-134 %	40	05/03/24 20:12	EPA 8270E	S-05
2-Fluorophenol (Surr)		24 %		19-120 %	40	05/03/24 20:12	EPA 8270E	S-05
2,4,6-Tribromophenol (Surr)		135 %		43-140 %	40	05/03/24 20:12	EPA 8270E	S-05

## MW-108R-20240429 (A4D1728-06RE2)

Matrix: Water

Batch: 24E0134

Acenaphthene	0.309	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E
Acenaphthylene	ND	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E
Anthracene	0.0513	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E
Benz(a)anthracene	ND	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E
Benzo(a)pyrene	ND	---	0.0288	ug/L	1	05/06/24 18:48	EPA 8270E
Benzo(b)fluoranthene	ND	---	0.0288	ug/L	1	05/06/24 18:48	EPA 8270E
Benzo(k)fluoranthene	ND	---	0.0288	ug/L	1	05/06/24 18:48	EPA 8270E
Benzo(g,h,i)perylene	ND	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E
Chrysene	ND	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E

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A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240429 (A4D1728-06RE2)				Matrix: Water		Batch: 24E0134		
Dibenz(a,h)anthracene	ND	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
Fluoranthene	0.0979	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
Fluorene	0.165	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
1-Methylnaphthalene	0.0560	---	0.0385	ug/L	1	05/06/24 18:48	EPA 8270E	
2-Methylnaphthalene	ND	---	0.0385	ug/L	1	05/06/24 18:48	EPA 8270E	
Naphthalene	0.0510	---	0.0385	ug/L	1	05/06/24 18:48	EPA 8270E	
Phenanthrene	0.375	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
Pyrene	0.0999	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
Dibenzofuran	0.0439	---	0.0192	ug/L	1	05/06/24 18:48	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery: 54 %		Limits: 44-120 %	1	05/06/24 18:48	EPA 8270E	
2-Fluorobiphenyl (Surr)		53 %		44-120 %	1	05/06/24 18:48	EPA 8270E	
Phenol-d6 (Surr)		18 %		10-133 %	1	05/06/24 18:48	EPA 8270E	
p-Terphenyl-d14 (Surr)		76 %		50-134 %	1	05/06/24 18:48	EPA 8270E	
2-Fluorophenol (Surr)		28 %		19-120 %	1	05/06/24 18:48	EPA 8270E	
2,4,6-Tribromophenol (Surr)		86 %		43-140 %	1	05/06/24 18:48	EPA 8270E	
B-6R-20240429 (A4D1728-07RE2)				Matrix: Water		Batch: 24E0134		
Acenaphthene	0.0609	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Acenaphthylene	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Anthracene	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Benz(a)anthracene	0.0205	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Benzo(a)pyrene	0.0321	---	0.0297	ug/L	1	05/06/24 19:22	EPA 8270E	
Benzo(b)fluoranthene	0.0300	---	0.0297	ug/L	1	05/06/24 19:22	EPA 8270E	
Benzo(k)fluoranthene	ND	---	0.0297	ug/L	1	05/06/24 19:22	EPA 8270E	
Benzo(g,h,i)perylene	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Chrysene	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Dibenz(a,h)anthracene	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Fluoranthene	0.0517	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Fluorene	0.0263	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
1-Methylnaphthalene	ND	---	0.0396	ug/L	1	05/06/24 19:22	EPA 8270E	
2-Methylnaphthalene	ND	---	0.0396	ug/L	1	05/06/24 19:22	EPA 8270E	
Naphthalene	ND	---	0.0396	ug/L	1	05/06/24 19:22	EPA 8270E	
Phenanthrene	0.106	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Pyrene	0.0510	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

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503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>B-6R-20240429 (A4D1728-07RE2)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0134</b>		
Dibenzofuran	ND	---	0.0198	ug/L	1	05/06/24 19:22	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery:	86 %	Limits:	44-120 %	1	05/06/24 19:22	EPA 8270E
2-Fluorobiphenyl (Surr)			77 %		44-120 %	1	05/06/24 19:22	EPA 8270E
Phenol-d6 (Surr)			30 %		10-133 %	1	05/06/24 19:22	EPA 8270E
p-Terphenyl-d14 (Surr)			92 %		50-134 %	1	05/06/24 19:22	EPA 8270E
2-Fluorophenol (Surr)			46 %		19-120 %	1	05/06/24 19:22	EPA 8270E
2,4,6-Tribromophenol (Surr)			102 %		43-140 %	1	05/06/24 19:22	EPA 8270E
<b>B-4R-20240429 (A4D1728-08RE1)</b>				<b>Matrix: Water</b>		<b>Batch: 24E0134</b>		
Acenaphthene	21.7	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Acenaphthylene	ND	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Anthracene	0.372	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Benz(a)anthracene	0.250	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Benzo(a)pyrene	0.376	---	0.300	ug/L	10	05/06/24 17:38	EPA 8270E	
Benzo(b)fluoranthene	ND	---	0.300	ug/L	10	05/06/24 17:38	EPA 8270E	
Benzo(k)fluoranthene	ND	---	0.300	ug/L	10	05/06/24 17:38	EPA 8270E	
Benzo(g,h,i)perylene	ND	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Chrysene	ND	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Dibenz(a,h)anthracene	ND	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Fluoranthene	0.467	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Fluorene	4.44	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
1-Methylnaphthalene	2.48	---	0.400	ug/L	10	05/06/24 17:38	EPA 8270E	
2-Methylnaphthalene	ND	---	0.400	ug/L	10	05/06/24 17:38	EPA 8270E	
Naphthalene	ND	---	0.400	ug/L	10	05/06/24 17:38	EPA 8270E	
Phenanthrene	0.924	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Pyrene	0.599	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Dibenzofuran	ND	---	0.200	ug/L	10	05/06/24 17:38	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery:	96 %	Limits:	44-120 %	10	05/06/24 17:38	EPA 8270E
2-Fluorobiphenyl (Surr)			88 %		44-120 %	10	05/06/24 17:38	EPA 8270E
Phenol-d6 (Surr)			30 %		10-133 %	10	05/06/24 17:38	EPA 8270E
p-Terphenyl-d14 (Surr)			93 %		50-134 %	10	05/06/24 17:38	EPA 8270E
2-Fluorophenol (Surr)			49 %		19-120 %	10	05/06/24 17:38	EPA 8270E
2,4,6-Tribromophenol (Surr)			117 %		43-140 %	10	05/06/24 17:38	EPA 8270E

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ANALYTICAL REPORT

Apex Laboratories, LLC

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Farallon Consulting - Issaquah

975 5th Ave NW  
Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-20240429 (A4D1728-01)				Matrix: Water				
Batch: 24E0261								
Arsenic	2.24	---	1.00	ug/L	1	05/08/24 07:28	EPA 6020B	
MW-105-20240429 (A4D1728-02)				Matrix: Water				
Batch: 24E0261								
Arsenic	5.47	---	1.00	ug/L	1	05/08/24 07:53	EPA 6020B	
MW-104-20240429 (A4D1728-03)				Matrix: Water				
Batch: 24E0261								
Arsenic	ND	---	1.00	ug/L	1	05/08/24 08:15	EPA 6020B	
MW-101R-20240429 (A4D1728-04)				Matrix: Water				
Batch: 24E0261								
Arsenic	5.13	---	1.00	ug/L	1	05/08/24 08:21	EPA 6020B	
MW-107R-20240429 (A4D1728-05)				Matrix: Water				
Batch: 24E0261								
Arsenic	6.02	---	1.00	ug/L	1	05/08/24 08:27	EPA 6020B	
MW-108R-20240429 (A4D1728-06)				Matrix: Water				
Batch: 24E0261								
Arsenic	ND	---	1.00	ug/L	1	05/08/24 08:34	EPA 6020B	
B-6R-20240429 (A4D1728-07)				Matrix: Water				
Batch: 24E0261								
Arsenic	43.3	---	1.00	ug/L	1	05/08/24 08:49	EPA 6020B	
B-4R-20240429 (A4D1728-08)				Matrix: Water				
Batch: 24E0261								
Arsenic	3.92	---	1.00	ug/L	1	05/08/24 08:57	EPA 6020B	

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Project Manager: Suzy Stumpf

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A4D1728 - 05 22 24 1607

## ANALYTICAL SAMPLE RESULTS

## Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-20240429 (A4D1728-01)				Matrix: Water				
Batch: 24E0254								
Arsenic	2.04	---	1.00	ug/L	1	05/08/24 02:05	EPA 6020B (Diss)	
MW-102R-20240429 (A4D1728-01RE1)				Matrix: Water				
Batch: 24E0666								
Arsenic	ND	---	1.00	ug/L	1	05/21/24 00:10	EPA 6020B (Diss)	FILT1,H-12
MW-105-20240429 (A4D1728-02)				Matrix: Water				
Batch: 24E0254								
Arsenic	3.85	---	1.00	ug/L	1	05/08/24 02:11	EPA 6020B (Diss)	
MW-105-20240429 (A4D1728-02RE1)				Matrix: Water				
Batch: 24E0666								
Arsenic	1.66	---	1.00	ug/L	1	05/21/24 00:21	EPA 6020B (Diss)	FILT1,H-12
MW-104-20240429 (A4D1728-03)				Matrix: Water				
Batch: 24E0254								
Arsenic	ND	---	1.00	ug/L	1	05/08/24 02:18	EPA 6020B (Diss)	
MW-101R-20240429 (A4D1728-04)				Matrix: Water				
Batch: 24E0254								
Arsenic	4.45	---	1.00	ug/L	1	05/08/24 02:25	EPA 6020B (Diss)	
MW-101R-20240429 (A4D1728-04RE2)				Matrix: Water				
Batch: 24E0666								
Arsenic	ND	---	1.00	ug/L	1	05/21/24 12:44	EPA 6020B (Diss)	FILT1,H-12
MW-107R-20240429 (A4D1728-05)				Matrix: Water				
Batch: 24E0254								
Arsenic	5.90	---	1.00	ug/L	1	05/08/24 02:31	EPA 6020B (Diss)	
MW-107R-20240429 (A4D1728-05RE2)				Matrix: Water				
Batch: 24E0666								
Arsenic	4.67	---	1.00	ug/L	1	05/21/24 12:50	EPA 6020B (Diss)	FILT1,H-12

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## ANALYTICAL REPORT

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Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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-20240429 (A4D1728-06)				Matrix: Water				
Batch: 24E0254								
Arsenic	ND	---	1.00	ug/L	1	05/08/24 02:37	EPA 6020B (Diss)	
B-6R-20240429 (A4D1728-07)				Matrix: Water				
Batch: 24E0254								
Arsenic	43.8	---	1.00	ug/L	1	05/08/24 02:45	EPA 6020B (Diss)	
B-6R-20240429 (A4D1728-07RE2)				Matrix: Water				
Batch: 24E0666								
Arsenic	22.3	---	1.00	ug/L	1	05/21/24 13:03	EPA 6020B (Diss)	FILT1,H-12
B-4R-20240429 (A4D1728-08)				Matrix: Water				
Batch: 24E0361								
Arsenic	3.68	---	1.00	ug/L	1	05/10/24 20:35	EPA 6020B (Diss)	
B-4R-20240429 (A4D1728-08RE2)				Matrix: Water				
Batch: 24E0666								
Arsenic	3.41	---	1.00	ug/L	1	05/21/24 13:09	EPA 6020B (Diss)	FILT1,H-12

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A4D1728 - 05 22 24 1607

ANALYTICAL SAMPLE RESULTS

Anions by Ion Chromatography

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-20240429 (A4D1728-01)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 19:51	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 19:51	EPA 300.0	
MW-105-20240429 (A4D1728-02)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 20:55	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 20:55	EPA 300.0	
MW-104-20240429 (A4D1728-03)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 21:17	EPA 300.0	
Sulfate	4.72	---	1.00	mg/L	1	04/30/24 21:17	EPA 300.0	
MW-101R-20240429 (A4D1728-04)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 21:39	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 21:39	EPA 300.0	
MW-107R-20240429 (A4D1728-05)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 22:00	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 22:00	EPA 300.0	
MW-108R-20240429 (A4D1728-06)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 23:05	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 23:05	EPA 300.0	
B-6R-20240429 (A4D1728-07)				Matrix: Water				
Batch: 24D1165								
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 23:26	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 23:26	EPA 300.0	
B-4R-20240429 (A4D1728-08)				Matrix: Water				
Batch: 24D1165								

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ANALYTICAL REPORT

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ANALYTICAL SAMPLE RESULTS

Anions by Ion Chromatography

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>B-4R-20240429 (A4D1728-08)</b>				<b>Matrix: Water</b>				
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	04/30/24 23:48	EPA 300.0	
Sulfate	ND	---	1.00	mg/L	1	04/30/24 23:48	EPA 300.0	

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# ANALYTICAL REPORT

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## ANALYTICAL SAMPLE RESULTS

### Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>MW-102R-20240429 (A4D1728-01)</b>				<b>Matrix: Water</b>				
Batch: 24E0112								
Total Dissolved Solids	1860	---	25.0	mg/L	1	05/02/24 19:08	SM 2540 C	
Batch: 24E0156								
Total Suspended Solids	18.0	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	TSS
<b>MW-105-20240429 (A4D1728-02)</b>				<b>Matrix: Water</b>				
Batch: 24E0112								
Total Dissolved Solids	2990	---	50.0	mg/L	1	05/02/24 19:08	SM 2540 C	
Batch: 24E0156								
Total Suspended Solids	7.00	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	TSS
<b>MW-104-20240429 (A4D1728-03)</b>				<b>Matrix: Water</b>				
Batch: 24E0112								
Total Dissolved Solids	425	---	5.00	mg/L	1	05/02/24 19:08	SM 2540 C	
Batch: 24E0156								
Total Suspended Solids	ND	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	TSS
<b>MW-101R-20240429 (A4D1728-04)</b>				<b>Matrix: Water</b>				
Batch: 24E0112								
Total Dissolved Solids	996	---	10.0	mg/L	1	05/02/24 19:08	SM 2540 C	
Batch: 24E0156								
Total Suspended Solids	48.0	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	
<b>MW-107R-20240429 (A4D1728-05)</b>				<b>Matrix: Water</b>				
Batch: 24E0112								
Total Dissolved Solids	1020	---	10.0	mg/L	1	05/02/24 19:08	SM 2540 C	
Batch: 24E0156								
Total Suspended Solids	9.00	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	TSS
<b>MW-108R-20240429 (A4D1728-06)</b>				<b>Matrix: Water</b>				
Batch: 24E0156								
Total Suspended Solids	41.0	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	
Batch: 24E0214								
Total Dissolved Solids	12100	---	500	mg/L	1	05/06/24 19:18	SM 2540 C	

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ANALYTICAL REPORT

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Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B-6R-20240429 (A4D1728-07)				Matrix: Water				
Batch: 24E0156								
Total Suspended Solids	31.0	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	
Batch: 24E0214								
Total Dissolved Solids	1180	---	10.0	mg/L	1	05/06/24 19:18	SM 2540 C	
B-4R-20240429 (A4D1728-08)				Matrix: Water				
Batch: 24E0156								
Total Suspended Solids	5.00	---	5.00	mg/L	1	05/03/24 14:59	SM 2540 D	TSS
Batch: 24E0214								
Total Dissolved Solids	494	---	5.00	mg/L	1	05/06/24 19:18	SM 2540 C	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

ANALYTICAL SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-102R-20240429 (A4D1728-01)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	769	---	20.0	mg CaCO3/L	1	05/03/24 14:16	SM 2320 B	
Bicarbonate Alkalinity	769	---	20.0	mg CaCO3/L	1	05/03/24 14:16	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 14:16	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 14:16	SM 2320 B	
MW-105-20240429 (A4D1728-02)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	1270	---	20.0	mg CaCO3/L	1	05/03/24 14:30	SM 2320 B	
Bicarbonate Alkalinity	1270	---	20.0	mg CaCO3/L	1	05/03/24 14:30	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 14:30	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 14:30	SM 2320 B	
MW-104-20240429 (A4D1728-03)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	330	---	20.0	mg CaCO3/L	1	05/03/24 15:09	SM 2320 B	
Bicarbonate Alkalinity	330	---	20.0	mg CaCO3/L	1	05/03/24 15:09	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:09	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:09	SM 2320 B	
MW-101R-20240429 (A4D1728-04)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	782	---	20.0	mg CaCO3/L	1	05/03/24 15:21	SM 2320 B	
Bicarbonate Alkalinity	782	---	20.0	mg CaCO3/L	1	05/03/24 15:21	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:21	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:21	SM 2320 B	
MW-107R-20240429 (A4D1728-05)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	794	---	20.0	mg CaCO3/L	1	05/03/24 15:33	SM 2320 B	
Bicarbonate Alkalinity	794	---	20.0	mg CaCO3/L	1	05/03/24 15:33	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:33	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:33	SM 2320 B	
MW-108R-20240429 (A4D1728-06)				Matrix: Water				
Batch: 24E0138								

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# ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

**Farallon Consulting - Issaquah**

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Issaquah, WA 98027

Project: **Union Station**

Project Number: **2644-001**

Project Manager: **Suzy Stumpf**

**Report ID:**

**A4D1728 - 05 22 24 1607**

## ANALYTICAL SAMPLE RESULTS

### Conventional Chemistry Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-108R-20240429 (A4D1728-06)				Matrix: Water				
Total Alkalinity	2850	---	20.0	mg CaCO3/L	1	05/03/24 15:46	SM 2320 B	
Bicarbonate Alkalinity	2850	---	20.0	mg CaCO3/L	1	05/03/24 15:46	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:46	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 15:46	SM 2320 B	
B-6R-20240429 (A4D1728-07)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	976	---	20.0	mg CaCO3/L	1	05/03/24 16:18	SM 2320 B	
Bicarbonate Alkalinity	976	---	20.0	mg CaCO3/L	1	05/03/24 16:18	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 16:18	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 16:18	SM 2320 B	
B-4R-20240429 (A4D1728-08)				Matrix: Water				
Batch: 24E0138								
Total Alkalinity	380	---	20.0	mg CaCO3/L	1	05/03/24 16:30	SM 2320 B	
Bicarbonate Alkalinity	380	---	20.0	mg CaCO3/L	1	05/03/24 16:30	SM 2320 B	
Carbonate Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 16:30	SM 2320 B	
Hydroxide Alkalinity	ND	---	20.0	mg CaCO3/L	1	05/03/24 16:30	SM 2320 B	

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## ANALYTICAL REPORT

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975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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 24E0126 - EPA 3510C (Fuels/Acid Ext.)							Water					
Blank (24E0126-BLK1)		Prepared: 05/03/24 06:28    Analyzed: 05/03/24 19:18										
<u>NWTPH-Dx LL</u>												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
LCS (24E0126-BS1)		Prepared: 05/03/24 06:28    Analyzed: 05/03/24 19:38										
<u>NWTPH-Dx LL</u>												
Diesel	395	---	80.0	ug/L	1	500	---	79	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 88 %		Limits: 50-150 %		Dilution: 1x						
LCS Dup (24E0126-BSD1)		Prepared: 05/03/24 06:28    Analyzed: 05/03/24 19:59										
<u>NWTPH-Dx LL</u>												
Diesel	413	---	80.0	ug/L	1	500	---	83	36 - 132%	4	30%	
Surr: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %		Dilution: 1x						

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

Batch 24E0176 - EPA 3510C (Fuels/Acid Ext.)						Water					
Blank (24E0176-BLK1)			Prepared: 05/06/24 06:28			Analyzed: 05/06/24 17:00					
<u>NWTPH-Dx LL</u>											
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---
Surr: o-Terphenyl (Surr)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x					
LCS (24E0176-BS1)			Prepared: 05/06/24 06:28			Analyzed: 05/06/24 17:20					
<u>NWTPH-Dx LL</u>											
Diesel	424	---	80.0	ug/L	1	500	---	85	36 - 132%	---	---
Surr: o-Terphenyl (Surr)		Recovery: 98 %		Limits: 50-150 %		Dilution: 1x					
LCS Dup (24E0176-BSD1)			Prepared: 05/06/24 06:28			Analyzed: 05/06/24 17:41			Q-19		
<u>NWTPH-Dx LL</u>											
Diesel	414	---	80.0	ug/L	1	500	---	83	36 - 132%	2	30%
Surr: o-Terphenyl (Surr)		Recovery: 102 %		Limits: 50-150 %		Dilution: 1x					

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Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

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A4D1728 - 05 22 24 1607

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 24E0176 - EPA 3510C (Fuels/Acid Ext.)								Water				

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

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A4D1728 - 05 22 24 1607

## 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 24E0354 - EPA 3510C (Fuels/Acid Ext.) w/SGC							Water					
Blank (24E0354-BLK1)		Prepared: 05/03/24 06:28 Analyzed: 05/09/24 19:19										
NWTPH-Dx/SGC												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 80 %		Limits: 50-150 %		Dilution: 1x						
LCS (24E0354-BS1)		Prepared: 05/03/24 06:28 Analyzed: 05/09/24 19:40										
NWTPH-Dx/SGC												
Diesel	342	---	80.0	ug/L	1	500	---	68	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 81 %		Limits: 50-150 %		Dilution: 1x						
LCS Dup (24E0354-BSD1)		Prepared: 05/03/24 06:28 Analyzed: 05/09/24 20:01										
NWTPH-Dx/SGC												
Diesel	352	---	80.0	ug/L	1	500	---	70	36 - 132%	3	30%	
Surr: o-Terphenyl (Surr)		Recovery: 86 %		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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## ANALYTICAL REPORT

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Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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 24E0355 - EPA 3510C (Fuels/Acid Ext.) w/SGC						Water						
Blank (24E0355-BLK1)		Prepared: 05/06/24 06:28    Analyzed: 05/09/24 19:25										
NWTPH-Dx/SGC												
Diesel	ND	---	80.0	ug/L	1	---	---	---	---	---	---	
Oil	ND	---	160	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 85 %		Limits: 50-150 %		Dilution: 1x						
LCS (24E0355-BS1)		Prepared: 05/06/24 06:28    Analyzed: 05/09/24 19:45										
NWTPH-Dx/SGC												
Diesel	373	---	80.0	ug/L	1	500	---	75	36 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 86 %		Limits: 50-150 %		Dilution: 1x						
LCS Dup (24E0355-BSD1)		Prepared: 05/06/24 06:28    Analyzed: 05/09/24 20:06										
NWTPH-Dx/SGC												
Diesel	385	---	80.0	ug/L	1	500	---	77	36 - 132%	3	30%	
Surr: o-Terphenyl (Surr)		Recovery: 96 %		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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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPL-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0004 - EPA 5030C						Water						
Blank (24E0004-BLK1)		Prepared: 04/01/24 06:30			Analyzed: 05/01/24 09:14							
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)		115 %		50-150 %		"						
LCS (24E0004-BS2)		Prepared: 04/01/24 06:30			Analyzed: 05/01/24 08:52							
NWTPH-Gx (MS)												
Gasoline Range Organics	484	---	100	ug/L	1	500	---	97	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		106 %		50-150 %		"						

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

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## ANALYTICAL REPORT

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Project Number: 2644-001

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A4D1728 - 05 22 24 1607

## 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 24E0040 - EPA 5030C						Water						
Blank (24E0040-BLK1)		Prepared: 05/01/24 13:56   Analyzed: 05/01/24 21:17										
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 91 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		115 %		50-150 %		"						
LCS (24E0040-BS2)		Prepared: 05/01/24 13:56   Analyzed: 05/01/24 20:55										
NWTPH-Gx (MS)												
Gasoline Range Organics	445	---	100	ug/L	1	500	---	89	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		104 %		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

## 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 24E0077 - EPA 5030C							Water					
Blank (24E0077-BLK1)		Prepared: 05/02/24 09:46   Analyzed: 05/03/24 08:17										
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 98 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		106 %		50-150 %		"						
LCS (24E0077-BS2)		Prepared: 05/02/24 09:46   Analyzed: 05/03/24 07:55										
NWTPH-Gx (MS)												
Gasoline Range Organics	459	---	100	ug/L	1	500	---	92	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 98 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		100 %		50-150 %		"						
Duplicate (24E0077-DUP1)		Prepared: 05/02/24 09:46   Analyzed: 05/03/24 09:23										
QC Source Sample: MW-104-20240429 (A4D1728-03RE1)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	59.6	---	---	***	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 99 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		104 %		50-150 %		"						

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## ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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 24E0004 - EPA 5030C												
Water												
Blank (24E0004-BLK1)												
Prepared: 04/01/24 06:30 Analyzed: 05/01/24 09:14												
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: 107 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)												
108 % 80-120 % "												
4-Bromofluorobenzene (Surr)												
92 % 80-120 % "												
LCs (24E0004-BS1)												
Prepared: 04/01/24 06:30 Analyzed: 05/01/24 08:12												
EPA 8260D												
Benzene	21.0	---	0.200	ug/L	1	20.0	---	105	80 - 120%	---	---	
Toluene	20.8	---	1.00	ug/L	1	20.0	---	104	80 - 120%	---	---	
Ethylbenzene	22.6	---	0.500	ug/L	1	20.0	---	113	80 - 120%	---	---	
Xylenes, total	69.0	---	1.50	ug/L	1	60.0	---	115	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)												
Recovery: 101 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)												
103 % 80-120 % "												
4-Bromofluorobenzene (Surr)												
88 % 80-120 % "												
Matrix Spike (24E0004-MS1)												
Prepared: 05/01/24 08:43 Analyzed: 05/01/24 14:20												
QC Source Sample: MW-102R-20240429 (A4D1728-01)												
EPA 8260D												
Benzene	217	---	2.00	ug/L	10	200	ND	108	79 - 120%	---	---	
Toluene	209	---	10.0	ug/L	10	200	ND	104	80 - 121%	---	---	
Ethylbenzene	224	---	5.00	ug/L	10	200	ND	112	79 - 121%	---	---	
Xylenes, total	695	---	15.0	ug/L	10	600	ND	116	79 - 121%	---	---	
Surr: 1,4-Difluorobenzene (Surr)												
Recovery: 105 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)												
103 % 80-120 % "												
4-Bromofluorobenzene (Surr)												
92 % 80-120 % "												

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Cameron O'Brien, Project Manager

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Farallon Consulting - Issaquah**

975 5th Ave NW

Issaquah, WA 98027

Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607**

## 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 24E0040 - EPA 5030C							Water					
Blank (24E0040-BLK1)		Prepared: 05/01/24 13:56   Analyzed: 05/01/24 21:17										
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:		108 %	Limits: 80-120 %		Dilution: 1x					
Toluene-d8 (Surr)				107 %	80-120 %		"					
4-Bromofluorobenzene (Surr)				93 %	80-120 %		"					
LCS (24E0040-BS1)		Prepared: 05/01/24 13:56   Analyzed: 05/01/24 20:33										
EPA 8260D												
Benzene	20.6	---	0.200	ug/L	1	20.0	---	103	80 - 120%	---	---	
Toluene	20.2	---	1.00	ug/L	1	20.0	---	101	80 - 120%	---	---	
Ethylbenzene	21.8	---	0.500	ug/L	1	20.0	---	109	80 - 120%	---	---	
Xylenes, total	67.2	---	1.50	ug/L	1	60.0	---	112	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery:		103 %	Limits: 80-120 %		Dilution: 1x					
Toluene-d8 (Surr)				102 %	80-120 %		"					
4-Bromofluorobenzene (Surr)				89 %	80-120 %		"					

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

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Issaquah, WA 98027

Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607**

## 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
<b>Batch 24E0077 - EPA 5030C</b>												
<b>Water</b>												
<b>Blank (24E0077-BLK1)</b>												
Prepared: 05/02/24 09:46 Analyzed: 05/03/24 08:17												
<b>EPA 8260D</b>												
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	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>												
<i>Recovery: 104 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr)</i>												
<i>102 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr)</i>												
<i>104 % 80-120 % "</i>												
<b>LCS (24E0077-BS1)</b>												
Prepared: 05/02/24 09:46 Analyzed: 05/03/24 07:33												
<b>EPA 8260D</b>												
Benzene	20.8	---	0.200	ug/L	1	20.0	---	104	80 - 120%	---	---	
Toluene	19.0	---	1.00	ug/L	1	20.0	---	95	80 - 120%	---	---	
Ethylbenzene	21.3	---	0.500	ug/L	1	20.0	---	106	80 - 120%	---	---	
Xylenes, total	59.7	---	1.50	ug/L	1	60.0	---	100	80 - 120%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>												
<i>Recovery: 98 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr)</i>												
<i>98 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr)</i>												
<i>97 % 80-120 % "</i>												
<b>Duplicate (24E0077-DUP1)</b>												
Prepared: 05/02/24 09:46 Analyzed: 05/03/24 09:23												
<b>QC Source Sample: MW-104-20240429 (A4D1728-03RE1)</b>												
<b>EPA 8260D</b>												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>												
<i>Recovery: 101 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr)</i>												
<i>103 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr)</i>												
<i>101 % 80-120 % "</i>												

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (Acid Extraction)						Water						
Blank (24E0134-BLK1)		Prepared: 05/03/24 08:46 Analyzed: 05/03/24 17:55										
EPA 8270E												
Acenaphthene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.0300	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.0300	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.0300	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	---	0.0400	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	---	0.0400	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.0400	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	---	0.0300	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	---	0.0200	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	---	0.100	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	---	0.100	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	---	0.0500	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	---	0.0500	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Phenol	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	---	0.100	ug/L	1	---	---	---	---	---	---	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (Acid Extraction)						Water						
Blank (24E0134-BLK1)		Prepared: 05/03/24 08:46		Analyzed: 05/03/24 17:55								
2,3,5,6-Tetrachlorophenol	ND	---	0.100	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	---	0.100	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	---	0.100	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)		Recovery: 93 %		Limits: 44-120 %		Dilution: 1x						
2-Fluorobiphenyl (Surr)		79 %		44-120 %		"						
Phenol-d6 (Surr)		32 %		10-133 %		"						
p-Terphenyl-d14 (Surr)		96 %		50-134 %		"						
2-Fluorophenol (Surr)		47 %		19-120 %		"						
2,4,6-Tribromophenol (Surr)		85 %		43-140 %		"						
LCS (24E0134-BS1)		Prepared: 05/03/24 08:46		Analyzed: 05/03/24 18:30								
EPA 8270E												
Acenaphthene	3.71	---	0.0800	ug/L	4	4.00	---	93	47 - 122%	---	---	
Acenaphthylene	4.22	---	0.0800	ug/L	4	4.00	---	105	41 - 130%	---	---	
Anthracene	4.16	---	0.0800	ug/L	4	4.00	---	104	57 - 123%	---	---	
Benz(a)anthracene	4.08	---	0.0800	ug/L	4	4.00	---	102	58 - 125%	---	---	
Benzo(a)pyrene	4.06	---	0.120	ug/L	4	4.00	---	101	54 - 128%	---	---	
Benzo(b)fluoranthene	4.14	---	0.120	ug/L	4	4.00	---	104	53 - 131%	---	---	
Benzo(k)fluoranthene	4.16	---	0.120	ug/L	4	4.00	---	104	57 - 129%	---	---	
Benzo(g,h,i)perylene	4.17	---	0.0800	ug/L	4	4.00	---	104	50 - 134%	---	---	
Chrysene	4.03	---	0.0800	ug/L	4	4.00	---	101	59 - 123%	---	---	
Dibenz(a,h)anthracene	3.92	---	0.0800	ug/L	4	4.00	---	98	51 - 134%	---	---	
Fluoranthene	4.39	---	0.0800	ug/L	4	4.00	---	110	57 - 128%	---	---	
Fluorene	4.22	---	0.0800	ug/L	4	4.00	---	105	52 - 124%	---	---	
Indeno(1,2,3-cd)pyrene	3.78	---	0.0800	ug/L	4	4.00	---	95	52 - 134%	---	---	
1-Methylnaphthalene	3.62	---	0.160	ug/L	4	4.00	---	91	41 - 120%	---	---	
2-Methylnaphthalene	3.58	---	0.160	ug/L	4	4.00	---	90	40 - 121%	---	---	
Naphthalene	3.50	---	0.160	ug/L	4	4.00	---	87	40 - 121%	---	---	

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Cameron O'Brien, Project Manager

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## ANALYTICAL REPORT

Apex Laboratories, LLC

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Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (Acid Extraction)							Water					
LCS (24E0134-BS1)		Prepared: 05/03/24 08:46   Analyzed: 05/03/24 18:30										
Phenanthrene	4.07	---	0.0800	ug/L	4	4.00	---	102	59 - 120%	---	---	
Pyrene	4.25	---	0.0800	ug/L	4	4.00	---	106	57 - 126%	---	---	
Carbazole	4.46	---	0.120	ug/L	4	4.00	---	112	60 - 122%	---	---	
Dibenzofuran	4.01	---	0.0800	ug/L	4	4.00	---	100	53 - 120%	---	---	
2-Chlorophenol	3.28	---	0.400	ug/L	4	4.00	---	82	38 - 120%	---	---	
4-Chloro-3-methylphenol	4.12	---	0.800	ug/L	4	4.00	---	103	52 - 120%	---	---	Q-41
2,4-Dichlorophenol	4.10	---	0.400	ug/L	4	4.00	---	102	47 - 121%	---	---	Q-41
2,4-Dimethylphenol	2.79	---	2.00	ug/L	4	4.00	---	70	31 - 124%	---	---	
2,4-Dinitrophenol	5.00	---	2.00	ug/L	4	4.00	---	125	23 - 143%	---	---	Q-41
4,6-Dinitro-2-methylphenol	4.76	---	2.00	ug/L	4	4.00	---	119	44 - 137%	---	---	Q-41
2-Methylphenol	2.70	---	0.200	ug/L	4	4.00	---	68	30 - 120%	---	---	
3+4-Methylphenol(s)	2.65	---	0.200	ug/L	4	4.00	---	66	29 - 120%	---	---	
2-Nitrophenol	3.72	---	0.800	ug/L	4	4.00	---	93	47 - 123%	---	---	
4-Nitrophenol	1.72	---	0.800	ug/L	4	4.00	---	43	10 - 120%	---	---	Q-41
Pentachlorophenol (PCP)	4.02	---	0.800	ug/L	4	4.00	---	101	35 - 138%	---	---	
Phenol	1.17	---	0.800	ug/L	4	4.00	---	29	10 - 120%	---	---	
2,3,4,6-Tetrachlorophenol	4.24	---	0.400	ug/L	4	4.00	---	106	50 - 128%	---	---	
2,3,5,6-Tetrachlorophenol	4.49	---	0.400	ug/L	4	4.00	---	112	50 - 121%	---	---	Q-41
2,4,5-Trichlorophenol	4.94	---	0.400	ug/L	4	4.00	---	124	53 - 123%	---	---	Q-29, Q-41
2,4,6-Trichlorophenol	4.49	---	0.400	ug/L	4	4.00	---	112	50 - 125%	---	---	Q-41
Bis(2-ethylhexyl)phthalate	4.06	---	1.60	ug/L	4	4.00	---	101	55 - 135%	---	---	
Butyl benzyl phthalate	4.20	---	1.60	ug/L	4	4.00	---	105	53 - 134%	---	---	
Diethylphthalate	4.12	---	1.60	ug/L	4	4.00	---	103	56 - 125%	---	---	
Dimethylphthalate	4.28	---	1.60	ug/L	4	4.00	---	107	45 - 127%	---	---	
Di-n-butylphthalate	4.41	---	1.60	ug/L	4	4.00	---	110	59 - 127%	---	---	
Di-n-octyl phthalate	4.05	---	1.60	ug/L	4	4.00	---	101	51 - 140%	---	---	
Surr: Nitrobenzene-d5 (Surr)		Recovery: 92 %		Limits: 44-120 %		Dilution: 4x						
2-Fluorobiphenyl (Surr)		95 %		44-120 %		"						
Phenol-d6 (Surr)		29 %		10-133 %		"						
p-Terphenyl-d14 (Surr)		105 %		50-134 %		"						
2-Fluorophenol (Surr)		49 %		19-120 %		"						
2,4,6-Tribromophenol (Surr)		115 %		43-140 %		"						

LCS Dup (24E0134-BSD1)

Prepared: 05/03/24 08:46 Analyzed: 05/03/24 19:04

Q-19

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Cameron O'Brien, Project Manager



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Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (Acid Extraction)							Water					
LCS Dup (24E0134-BSD1)		Prepared: 05/03/24 08:46		Analyzed: 05/03/24 19:04		Q-19						
EPA 8270E												
Acenaphthene	3.70	---	0.0800	ug/L	4	4.00	---	92	47 - 122%	0.4	30%	
Acenaphthylene	4.28	---	0.0800	ug/L	4	4.00	---	107	41 - 130%	1	30%	
Anthracene	4.21	---	0.0800	ug/L	4	4.00	---	105	57 - 123%	1	30%	
Benz(a)anthracene	4.13	---	0.0800	ug/L	4	4.00	---	103	58 - 125%	1	30%	
Benzo(a)pyrene	4.11	---	0.120	ug/L	4	4.00	---	103	54 - 128%	1	30%	
Benzo(b)fluoranthene	4.15	---	0.120	ug/L	4	4.00	---	104	53 - 131%	0.2	30%	
Benzo(k)fluoranthene	4.13	---	0.120	ug/L	4	4.00	---	103	57 - 129%	0.7	30%	
Benzo(g,h,i)perylene	4.18	---	0.0800	ug/L	4	4.00	---	104	50 - 134%	0.3	30%	
Chrysene	4.00	---	0.0800	ug/L	4	4.00	---	100	59 - 123%	0.7	30%	
Dibenz(a,h)anthracene	3.92	---	0.0800	ug/L	4	4.00	---	98	51 - 134%	0.07	30%	
Fluoranthene	4.42	---	0.0800	ug/L	4	4.00	---	111	57 - 128%	0.7	30%	
Fluorene	4.26	---	0.0800	ug/L	4	4.00	---	106	52 - 124%	1	30%	
Indeno(1,2,3-cd)pyrene	3.77	---	0.0800	ug/L	4	4.00	---	94	52 - 134%	0.2	30%	
1-Methylnaphthalene	3.74	---	0.160	ug/L	4	4.00	---	93	41 - 120%	3	30%	
2-Methylnaphthalene	3.75	---	0.160	ug/L	4	4.00	---	94	40 - 121%	5	30%	
Naphthalene	3.65	---	0.160	ug/L	4	4.00	---	91	40 - 121%	4	30%	
Phenanthrene	4.02	---	0.0800	ug/L	4	4.00	---	100	59 - 120%	1	30%	
Pyrene	4.29	---	0.0800	ug/L	4	4.00	---	107	57 - 126%	0.9	30%	
Carbazole	4.52	---	0.120	ug/L	4	4.00	---	113	60 - 122%	1	30%	
Dibenzofuran	4.16	---	0.0800	ug/L	4	4.00	---	104	53 - 120%	4	30%	
2-Chlorophenol	3.37	---	0.400	ug/L	4	4.00	---	84	38 - 120%	3	30%	
4-Chloro-3-methylphenol	4.35	---	0.800	ug/L	4	4.00	---	109	52 - 120%	5	30%	Q-41
2,4-Dichlorophenol	4.28	---	0.400	ug/L	4	4.00	---	107	47 - 121%	4	30%	Q-41
2,4-Dimethylphenol	2.88	---	2.00	ug/L	4	4.00	---	72	31 - 124%	3	30%	
2,4-Dinitrophenol	5.41	---	2.00	ug/L	4	4.00	---	135	23 - 143%	8	30%	Q-41
4,6-Dinitro-2-methylphenol	5.12	---	2.00	ug/L	4	4.00	---	128	44 - 137%	7	30%	Q-41
2-Methylphenol	2.89	---	0.200	ug/L	4	4.00	---	72	30 - 120%	7	30%	
3+4-Methylphenol(s)	2.83	---	0.200	ug/L	4	4.00	---	71	29 - 120%	7	30%	
2-Nitrophenol	3.83	---	0.800	ug/L	4	4.00	---	96	47 - 123%	3	30%	
4-Nitrophenol	1.89	---	0.800	ug/L	4	4.00	---	47	10 - 120%	9	30%	Q-41
Pentachlorophenol (PCP)	3.99	---	0.800	ug/L	4	4.00	---	100	35 - 138%	0.8	30%	
Phenol	1.23	---	0.800	ug/L	4	4.00	---	31	10 - 120%	5	30%	
2,3,4,6-Tetrachlorophenol	4.26	---	0.400	ug/L	4	4.00	---	107	50 - 128%	0.6	30%	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Selected Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (Acid Extraction)						Water						
LCS Dup (24E0134-BSD1)		Prepared: 05/03/24 08:46 Analyzed: 05/03/24 19:04				Q-19						
2,3,5,6-Tetrachlorophenol	4.58	---	0.400	ug/L	4	4.00	---	114	50 - 121%	2	30%	Q-41
2,4,5-Trichlorophenol	5.10	---	0.400	ug/L	4	4.00	---	127	53 - 123%	3	30%	Q-29, Q-41
2,4,6-Trichlorophenol	4.53	---	0.400	ug/L	4	4.00	---	113	50 - 125%	0.9	30%	Q-41
Bis(2-ethylhexyl)phthalate	3.91	---	1.60	ug/L	4	4.00	---	98	55 - 135%	4	30%	
Butyl benzyl phthalate	4.19	---	1.60	ug/L	4	4.00	---	105	53 - 134%	0.1	30%	
Diethylphthalate	4.12	---	1.60	ug/L	4	4.00	---	103	56 - 125%	0.05	30%	
Dimethylphthalate	4.23	---	1.60	ug/L	4	4.00	---	106	45 - 127%	1	30%	
Di-n-butylphthalate	4.47	---	1.60	ug/L	4	4.00	---	112	59 - 127%	1	30%	
Di-n-octyl phthalate	3.95	---	1.60	ug/L	4	4.00	---	99	51 - 140%	3	30%	
Surr: Nitrobenzene-d5 (Surr)		Recovery: 95 %		Limits: 44-120 %		Dilution: 4x						
2-Fluorobiphenyl (Surr)		91 %		44-120 %		"						
Phenol-d6 (Surr)		30 %		10-133 %		"						
p-Terphenyl-d14 (Surr)		101 %		50-134 %		"						
2-Fluorophenol (Surr)		49 %		19-120 %		"						
2,4,6-Tribromophenol (Surr)		111 %		43-140 %		"						

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

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Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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 24E0261 - EPA 3015A							Water					
Blank (24E0261-BLK1)		Prepared: 05/07/24 14:57   Analyzed: 05/08/24 06:33										
EPA 6020B												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
LCS (24E0261-BS1)		Prepared: 05/07/24 14:57   Analyzed: 05/08/24 06:39										
EPA 6020B												
Arsenic	59.1	---	1.00	ug/L	1	55.6	---	106	80 - 120%	---	---	
Duplicate (24E0261-DUP1)		Prepared: 05/07/24 14:57   Analyzed: 05/08/24 07:46										
QC Source Sample: MW-102R-20240429 (A4D1728-01)												
EPA 6020B												
Arsenic	2.22	---	1.00	ug/L	1	---	2.24	---	---	1	20%	
Matrix Spike (24E0261-MS1)		Prepared: 05/07/24 14:57   Analyzed: 05/08/24 08:07										
QC Source Sample: MW-105-20240429 (A4D1728-02)												
EPA 6020B												
Arsenic	66.0	---	1.00	ug/L	1	55.6	5.47	109	75 - 125%	---	---	

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**Farallon Consulting - Issaquah**

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Issaquah, WA 98027

Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607**

## 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 24E0254 - Matrix Matched Direct Inject							Water					
Blank (24E0254-BLK1)		Prepared: 05/07/24 12:57   Analyzed: 05/07/24 23:56										
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
LCS (24E0254-BS1)		Prepared: 05/07/24 12:57   Analyzed: 05/08/24 00:02										
EPA 6020B (Diss)												
Arsenic	58.0	---	1.00	ug/L	1	55.6	---	104	80 - 120%	---	---	

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

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Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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 24E0361 - Matrix Matched Direct Inject							Water					
Blank (24E0361-BLK1)		Prepared: 05/09/24 13:25			Analyzed: 05/10/24 20:22							
<u>EPA 6020B (Diss)</u>												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
LCS (24E0361-BS1)		Prepared: 05/09/24 13:25			Analyzed: 05/10/24 20:29							
<u>EPA 6020B (Diss)</u>												
Arsenic	56.2	---	1.00	ug/L	1	55.6	---	101	80 - 120%	---	---	
Duplicate (24E0361-DUP1)		Prepared: 05/09/24 13:25			Analyzed: 05/10/24 20:41							
<u>QC Source Sample: B-4R-20240429 (A4D1728-08)</u>												
<u>EPA 6020B (Diss)</u>												
Arsenic	3.64	---	1.00	ug/L	1	---	3.68	---	---	0.9	20%	
Matrix Spike (24E0361-MS1)		Prepared: 05/09/24 13:25			Analyzed: 05/10/24 20:47							
<u>QC Source Sample: B-4R-20240429 (A4D1728-08)</u>												
<u>EPA 6020B (Diss)</u>												
Arsenic	60.1	---	1.00	ug/L	1	55.6	3.68	102	75 - 125%	---	---	

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Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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 24E0666 - Matrix Matched Direct Inject							Water					
Blank (24E0666-BLK1)		Prepared: 05/18/24 12:18		Analyzed: 05/20/24 23:58								
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	FILT3
LCS (24E0666-BS1)		Prepared: 05/18/24 12:18		Analyzed: 05/21/24 00:04								
EPA 6020B (Diss)												
Arsenic	55.7	---	1.00	ug/L	1	55.6	---	100	80 - 120%	---	---	
Duplicate (24E0666-DUP1)		Prepared: 05/18/24 12:18		Analyzed: 05/21/24 00:15								
QC Source Sample: MW-102R-20240429 (A4D1728-01RE1)												
EPA 6020B (Diss)												
Arsenic	ND	---	1.00	ug/L	1	---	0.568	---	---	***	20%	FILT1,H-12
Matrix Spike (24E0666-MS1)		Prepared: 05/18/24 12:18		Analyzed: 05/21/24 00:27								
QC Source Sample: MW-105-20240429 (A4D1728-02RE1)												
EPA 6020B (Diss)												
Arsenic	59.9	---	1.00	ug/L	1	55.6	1.66	105	75 - 125%	---	---	FILT1,H-12

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## ANALYTICAL REPORT

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ORELAP ID: OR100062**Farallon Consulting - Issaquah**975 5th Ave NW  
Issaquah, WA 98027Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607**

## 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 24D1165 - Method Prep: Aq							Water					
Blank (24D1165-BLK1)		Prepared: 04/30/24 17:55		Analyzed: 04/30/24 18:46								
EPA 300.0												
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	---	---	---	---	---	---	
Sulfate	ND	---	1.00	mg/L	1	---	---	---	---	---	---	
LCS (24D1165-BS1)		Prepared: 04/30/24 17:55		Analyzed: 04/30/24 19:08								
EPA 300.0												
Nitrate-Nitrogen	2.06	---	0.250	mg/L	1	2.00	---	103	90 - 110%	---	---	
Sulfate	8.28	---	1.00	mg/L	1	8.00	---	104	90 - 110%	---	---	
Duplicate (24D1165-DUP1)		Prepared: 04/30/24 17:55		Analyzed: 04/30/24 20:12								
QC Source Sample: MW-102R-20240429 (A4D1728-01)												
EPA 300.0												
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	---	ND	---	---	---	3%	
Sulfate	ND	---	1.00	mg/L	1	---	ND	---	---	---	4%	
Duplicate (24D1165-DUP2)		Prepared: 04/30/24 17:55		Analyzed: 05/01/24 00:09								
QC Source Sample: B-4R-20240429 (A4D1728-08)												
EPA 300.0												
Nitrate-Nitrogen	ND	---	0.250	mg/L	1	---	ND	---	---	---	3%	
Sulfate	ND	---	1.00	mg/L	1	---	0.557	---	---	***	4%	Q-05
Matrix Spike (24D1165-MS1)		Prepared: 04/30/24 17:55		Analyzed: 04/30/24 20:34								
QC Source Sample: MW-102R-20240429 (A4D1728-01)												
EPA 300.0												
Nitrate-Nitrogen	2.51	---	0.312	mg/L	1	2.50	ND	100	87 - 112%	---	---	
Sulfate	11.0	---	1.25	mg/L	1	10.0	ND	110	88 - 115%	---	---	
Matrix Spike (24D1165-MS2)		Prepared: 04/30/24 17:55		Analyzed: 05/01/24 00:31								
QC Source Sample: B-4R-20240429 (A4D1728-08)												
EPA 300.0												
Nitrate-Nitrogen	2.56	---	0.312	mg/L	1	2.50	ND	103	87 - 112%	---	---	
Sulfate	11.4	---	1.25	mg/L	1	10.0	ND	114	88 - 115%	---	---	

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Report ID:

A4D1728 - 05 22 24 1607

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 24E0112 - Total Dissolved Solids - 2022							Water					
Blank (24E0112-BLK1)		Prepared: 05/02/24 19:08			Analyzed: 05/02/24 19:08							
SM 2540 C												
Total Dissolved Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Reference (24E0112-SRM1)		Prepared: 05/02/24 19:08			Analyzed: 05/02/24 19:08							
SM 2540 C												
Total Dissolved Solids	2500	---		mg/L	1	2470		101	81.8 - 118.2%	---	---	

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 24E0156 - Total Suspended Solids - 2022							Water					
Blank (24E0156-BLK1)		Prepared: 05/03/24 14:59			Analyzed: 05/03/24 14:59							
SM 2540 D												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (24E0156-DUP1)		Prepared: 05/03/24 14:59			Analyzed: 05/03/24 14:59							
QC Source Sample: MW-102R-20240429 (A4D1728-01)												
SM 2540 D												
Total Suspended Solids	17.0	---	5.00	mg/L	1	---	18.0	---	---	5.71	10%	TSS
Reference (24E0156-SRM1)		Prepared: 05/03/24 14:59			Analyzed: 05/03/24 14:59							
SM 2540 D												
Total Suspended Solids	922	---		mg/L	1	875		105	85 - 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 24E0214 - Total Dissolved Solids - 2022							Water					
Blank (24E0214-BLK1)		Prepared: 05/06/24 19:18			Analyzed: 05/06/24 19:18							
SM 2540 C												
Total Dissolved Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (24E0214-DUP1)		Prepared: 05/06/24 19:18			Analyzed: 05/06/24 19:18							
QC Source Sample: MW-108R-20240429 (A4D1728-06)												
SM 2540 C												
Total Dissolved Solids	11900	---	500	mg/L	1	---	12100	---	---	1.67	10%	
Reference (24E0214-SRM1)		Prepared: 05/06/24 19:18			Analyzed: 05/06/24 19:18							
SM 2540 C												
Total Dissolved Solids	2550	---		mg/L	1	2470		103	82 - 118%	---	---	

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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 24E0138 - Method Prep: Aq							Water					
Blank (24E0138-BLK1)		Prepared: 05/03/24 09:14   Analyzed: 05/03/24 10:40										
SM 2320 B												
Total Alkalinity	ND	---	20.0	mg	1	---	---	---	---	---	---	
				CaCO3/L								
Bicarbonate Alkalinity	ND	---	20.0	mg	1	---	---	---	---	---	---	
				CaCO3/L								
Carbonate Alkalinity	ND	---	20.0	mg	1	---	---	---	---	---	---	
				CaCO3/L								
Hydroxide Alkalinity	ND	---	20.0	mg	1	---	---	---	---	---	---	
				CaCO3/L								
LCS (24E0138-BS1)		Prepared: 05/03/24 09:14   Analyzed: 05/03/24 10:45										
SM 2320 B												
Total Alkalinity	102	---	20.0	mg	1	100	---	102	90 - 115%	---	---	
				CaCO3/L								

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



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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: 24E0126							
A4D1728-01	Water	NWTPH-Dx LL	04/29/24 10:20	05/03/24 06:28	1000mL/2mL	1000mL/2mL	1.00
A4D1728-02	Water	NWTPH-Dx LL	04/29/24 12:25	05/03/24 06:28	1020mL/2mL	1000mL/2mL	0.98
A4D1728-04	Water	NWTPH-Dx LL	04/29/24 09:48	05/03/24 06:28	1070mL/2mL	1000mL/2mL	0.94
Batch: 24E0176							
A4D1728-03	Water	NWTPH-Dx LL	04/29/24 14:00	05/06/24 06:28	950mL/2mL	1000mL/2mL	1.05
A4D1728-05	Water	NWTPH-Dx LL	04/29/24 14:13	05/06/24 06:28	1040mL/2mL	1000mL/2mL	0.96
A4D1728-06	Water	NWTPH-Dx LL	04/29/24 12:15	05/06/24 06:28	1040mL/2mL	1000mL/2mL	0.96
A4D1728-07	Water	NWTPH-Dx LL	04/29/24 16:33	05/06/24 06:28	960mL/2mL	1000mL/2mL	1.04
A4D1728-08	Water	NWTPH-Dx LL	04/29/24 18:44	05/06/24 06:28	1000mL/2mL	1000mL/2mL	1.00

## 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: 24E0354							
A4D1728-01	Water	NWTPH-Dx/SGC	04/29/24 10:20	05/03/24 06:28	1000mL/2mL	1000mL/2mL	1.00
A4D1728-02	Water	NWTPH-Dx/SGC	04/29/24 12:25	05/03/24 06:28	1020mL/2mL	1000mL/2mL	0.98
A4D1728-04	Water	NWTPH-Dx/SGC	04/29/24 09:48	05/03/24 06:28	1070mL/2mL	1000mL/2mL	0.94
Batch: 24E0355							
A4D1728-03	Water	NWTPH-Dx/SGC	04/29/24 14:00	05/06/24 06:28	950mL/2mL	1000mL/2mL	1.05
A4D1728-05	Water	NWTPH-Dx/SGC	04/29/24 14:13	05/06/24 06:28	1040mL/2mL	1000mL/2mL	0.96
A4D1728-06	Water	NWTPH-Dx/SGC	04/29/24 12:15	05/06/24 06:28	1040mL/2mL	1000mL/2mL	0.96
A4D1728-07	Water	NWTPH-Dx/SGC	04/29/24 16:33	05/06/24 06:28	960mL/2mL	1000mL/2mL	1.04
A4D1728-08	Water	NWTPH-Dx/SGC	04/29/24 18:44	05/06/24 06:28	1000mL/2mL	1000mL/2mL	1.00

## 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: 24E0040							
A4D1728-01RE1	Water	NWTPH-Gx (MS)	04/29/24 10:20	05/01/24 08:43	5mL/5mL	5mL/5mL	1.00
Batch: 24E0077							
A4D1728-02RE1	Water	NWTPH-Gx (MS)	04/29/24 12:25	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-03RE1	Water	NWTPH-Gx (MS)	04/29/24 14:00	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-04RE1	Water	NWTPH-Gx (MS)	04/29/24 09:48	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00

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**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Farallon Consulting - Issaquah**

975 5th Ave NW

Issaquah, WA 98027

Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607****SAMPLE PREPARATION INFORMATION****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
A4D1728-05RE1	Water	NWTPH-Gx (MS)	04/29/24 14:13	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-06RE1	Water	NWTPH-Gx (MS)	04/29/24 12:15	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-07RE1	Water	NWTPH-Gx (MS)	04/29/24 16:33	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-08RE1	Water	NWTPH-Gx (MS)	04/29/24 18:44	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00

**BTEX Compounds by EPA 8260D****Prep: EPA 5030C**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 24E0040</b>							
A4D1728-01RE1	Water	EPA 8260D	04/29/24 10:20	05/01/24 08:43	5mL/5mL	5mL/5mL	1.00
<b>Batch: 24E0077</b>							
A4D1728-02RE1	Water	EPA 8260D	04/29/24 12:25	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-03RE1	Water	EPA 8260D	04/29/24 14:00	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-04RE1	Water	EPA 8260D	04/29/24 09:48	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-05RE1	Water	EPA 8260D	04/29/24 14:13	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-06RE1	Water	EPA 8260D	04/29/24 12:15	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-07RE1	Water	EPA 8260D	04/29/24 16:33	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00
A4D1728-08RE1	Water	EPA 8260D	04/29/24 18:44	05/02/24 09:46	5mL/5mL	5mL/5mL	1.00

**Selected Semivolatile Organic Compounds by EPA 8270E****Prep: EPA 3510C (Acid Extraction)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 24E0134</b>							
A4D1728-01RE1	Water	EPA 8270E	04/29/24 10:20	05/03/24 08:46	1000mL/1mL	1000mL/1mL	1.00
A4D1728-02	Water	EPA 8270E	04/29/24 12:25	05/03/24 08:46	1070mL/1mL	1000mL/1mL	0.94
A4D1728-03RE1	Water	EPA 8270E	04/29/24 14:00	05/03/24 08:46	950mL/1mL	1000mL/1mL	1.05
A4D1728-04RE1	Water	EPA 8270E	04/29/24 09:48	05/03/24 08:46	1060mL/1mL	1000mL/1mL	0.94
A4D1728-05	Water	EPA 8270E	04/29/24 14:13	05/03/24 08:46	1040mL/1mL	1000mL/1mL	0.96
A4D1728-06RE2	Water	EPA 8270E	04/29/24 12:15	05/03/24 08:46	1040mL/1mL	1000mL/1mL	0.96
A4D1728-07RE2	Water	EPA 8270E	04/29/24 16:33	05/03/24 08:46	1010mL/1mL	1000mL/1mL	0.99
A4D1728-08RE1	Water	EPA 8270E	04/29/24 18:44	05/03/24 08:46	1000mL/1mL	1000mL/1mL	1.00

**Total Metals by EPA 6020B (ICPMS)**

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

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503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## 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: 24E0261							
A4D1728-01	Water	EPA 6020B	04/29/24 10:20	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-02	Water	EPA 6020B	04/29/24 12:25	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-03	Water	EPA 6020B	04/29/24 14:00	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-04	Water	EPA 6020B	04/29/24 09:48	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-05	Water	EPA 6020B	04/29/24 14:13	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-06	Water	EPA 6020B	04/29/24 12:15	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-07	Water	EPA 6020B	04/29/24 16:33	05/07/24 14:57	45mL/50mL	45mL/50mL	1.00
A4D1728-08	Water	EPA 6020B	04/29/24 18:44	05/07/24 14:57	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: 24E0254							
A4D1728-01	Water	EPA 6020B (Diss)	04/29/24 10:20	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
A4D1728-02	Water	EPA 6020B (Diss)	04/29/24 12:25	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
A4D1728-03	Water	EPA 6020B (Diss)	04/29/24 14:00	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
A4D1728-04	Water	EPA 6020B (Diss)	04/29/24 09:48	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
A4D1728-05	Water	EPA 6020B (Diss)	04/29/24 14:13	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
A4D1728-06	Water	EPA 6020B (Diss)	04/29/24 12:15	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
A4D1728-07	Water	EPA 6020B (Diss)	04/29/24 16:33	05/07/24 12:57	45mL/50mL	45mL/50mL	1.00
Batch: 24E0361							
A4D1728-08	Water	EPA 6020B (Diss)	04/29/24 18:44	05/09/24 13:25	45mL/50mL	45mL/50mL	1.00
Batch: 24E0666							
A4D1728-01RE1	Water	EPA 6020B (Diss)	04/29/24 10:20	05/18/24 12:18	45mL/50mL	45mL/50mL	1.00
A4D1728-02RE1	Water	EPA 6020B (Diss)	04/29/24 12:25	05/18/24 12:18	45mL/50mL	45mL/50mL	1.00
A4D1728-04RE2	Water	EPA 6020B (Diss)	04/29/24 09:48	05/18/24 12:18	45mL/50mL	45mL/50mL	1.00
A4D1728-05RE2	Water	EPA 6020B (Diss)	04/29/24 14:13	05/18/24 12:18	45mL/50mL	45mL/50mL	1.00
A4D1728-07RE2	Water	EPA 6020B (Diss)	04/29/24 16:33	05/18/24 12:18	45mL/50mL	45mL/50mL	1.00
A4D1728-08RE2	Water	EPA 6020B (Diss)	04/29/24 18:44	05/18/24 12:18	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
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## ANALYTICAL REPORT

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ORELAP ID: OR100062

**Farallon Consulting - Issaquah**

975 5th Ave NW

Issaquah, WA 98027

Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607**

## 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
<b>Batch: 24D1165</b>							
A4D1728-01	Water	EPA 300.0	04/29/24 10:20	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-02	Water	EPA 300.0	04/29/24 12:25	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-03	Water	EPA 300.0	04/29/24 14:00	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-04	Water	EPA 300.0	04/29/24 09:48	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-05	Water	EPA 300.0	04/29/24 14:13	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-06	Water	EPA 300.0	04/29/24 12:15	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-07	Water	EPA 300.0	04/29/24 16:33	04/30/24 17:55	5mL/5mL	5mL/5mL	1.00
A4D1728-08	Water	EPA 300.0	04/29/24 18:44	04/30/24 17:55	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
<b>Batch: 24E0112</b>							
A4D1728-01	Water	SM 2540 C	04/29/24 10:20	05/02/24 19:08			NA
A4D1728-02	Water	SM 2540 C	04/29/24 12:25	05/02/24 19:08			NA
A4D1728-03	Water	SM 2540 C	04/29/24 14:00	05/02/24 19:08			NA
A4D1728-04	Water	SM 2540 C	04/29/24 09:48	05/02/24 19:08			NA
A4D1728-05	Water	SM 2540 C	04/29/24 14:13	05/02/24 19:08			NA
<b>Batch: 24E0214</b>							
A4D1728-06	Water	SM 2540 C	04/29/24 12:15	05/06/24 19:18			NA
A4D1728-07	Water	SM 2540 C	04/29/24 16:33	05/06/24 19:18			NA
A4D1728-08	Water	SM 2540 C	04/29/24 18:44	05/06/24 19:18			NA

**Prep: Total Suspended Solids - 2022**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 24E0156</b>							
A4D1728-01	Water	SM 2540 D	04/29/24 10:20	05/03/24 14:59			NA
A4D1728-02	Water	SM 2540 D	04/29/24 12:25	05/03/24 14:59			NA
A4D1728-03	Water	SM 2540 D	04/29/24 14:00	05/03/24 14:59			NA
A4D1728-04	Water	SM 2540 D	04/29/24 09:48	05/03/24 14:59			NA
A4D1728-05	Water	SM 2540 D	04/29/24 14:13	05/03/24 14:59			NA
A4D1728-06	Water	SM 2540 D	04/29/24 12:15	05/03/24 14:59			NA
A4D1728-07	Water	SM 2540 D	04/29/24 16:33	05/03/24 14:59			NA
A4D1728-08	Water	SM 2540 D	04/29/24 18:44	05/03/24 14:59			NA

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## ANALYTICAL REPORT

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975 5th Ave NW

Issaquah, WA 98027

Project: **Union Station**Project Number: **2644-001**Project Manager: **Suzy Stumpf****Report ID:****A4D1728 - 05 22 24 1607**

## 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
<u>Batch: 24E0138</u>							
A4D1728-01	Water	SM 2320 B	04/29/24 10:20	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-02	Water	SM 2320 B	04/29/24 12:25	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-03	Water	SM 2320 B	04/29/24 14:00	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-04	Water	SM 2320 B	04/29/24 09:48	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-05	Water	SM 2320 B	04/29/24 14:13	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-06	Water	SM 2320 B	04/29/24 12:15	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-07	Water	SM 2320 B	04/29/24 16:33	05/03/24 09:14	60mL/60mL	60mL/60mL	NA
A4D1728-08	Water	SM 2320 B	04/29/24 18:44	05/03/24 09:14	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
<u>Batch: 24E0581</u>							
A4D1728-01	Water	NA	04/29/24 10:20	05/15/24 17:38	150mL/150mL		NA
A4D1728-02	Water	NA	04/29/24 12:25	05/15/24 17:43	150mL/150mL		NA
A4D1728-04	Water	NA	04/29/24 09:48	05/15/24 17:47	150mL/150mL		NA
A4D1728-05	Water	NA	04/29/24 14:13	05/15/24 17:40	150mL/150mL		NA
A4D1728-07	Water	NA	04/29/24 16:33	05/15/24 17:45	150mL/150mL		NA
A4D1728-08	Water	NA	04/29/24 18:44	05/15/24 17:48	150mL/150mL		NA

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## ANALYTICAL REPORT

**Apex Laboratories, LLC**

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503-718-2323  
ORELAP ID: OR100062

**Farallon Consulting - Issaquah**

975 5th Ave NW  
Issaquah, WA 98027

Project: **Union Station**

Project Number: **2644-001**

Project Manager: **Suzy Stumpf**

**Report ID:**

**A4D1728 - 05 22 24 1607**

## QUALIFIER DEFINITIONS

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

**Apex Laboratories**

- 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 possible weathered diesel, mineral oil, or a contribution from a related component.
- F-12** The result for this hydrocarbon range is primarily due to the presence of individual analyte peaks in the quantitation range. No fuel pattern detected.
- 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 24E0581. See Prep page of report for associated samples.
- H-12** Sample Analysis or Filtration was performed >15 minutes after sample collection. Consult regulator or permit manager to determine the usability of data for intended use.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- 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.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- 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.

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## ANALYTICAL REPORT

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975 5th Ave NW

Issaquah, WA 98027

Project: **Union Station**

Project Number: **2644-001**

Project Manager: **Suzy Stumpf**

**Report ID:**

**A4D1728 - 05 22 24 1607**

### 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 ½ the Reporting Limit (RL).
- For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
  - For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
- For further details, please request a copy of this document.

Apex Laboratories

*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.*

Cameron O'Brien, Project Manager



## ANALYTICAL REPORT

**Apex Laboratories, LLC**

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

**Farallon Consulting - Issaquah**

975 5th Ave NW  
Issaquah, WA 98027

Project: **Union Station**

Project Number: **2644-001**

Project Manager: **Suzy Stumpf**

**Report ID:**

**A4D1728 - 05 22 24 1607**

### REPORTING NOTES AND CONVENTIONS (Cont.):

**Blanks (Cont.):**

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

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

**Preparation Notes:**

**Mixed Matrix Samples:**

**Water Samples:**

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

**Soil and Sediment Samples:**

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

**Sampling and Preservation Notes:**

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

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

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

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

Apex Laboratories

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Cameron O'Brien, Project Manager



## ANALYTICAL REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Farallon Consulting - Issaquah**

975 5th Ave NW

Issaquah, WA 98027

Project: **Union Station**

Project Number: **2644-001**

Project Manager: **Suzy Stumpf**

**Report ID:**

**A4D1728 - 05 22 24 1607**

### LABORATORY ACCREDITATION INFORMATION

**ORELAP Certification ID: OR100062 (Primary Accreditation)**

**EPA ID: OR01039**

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

#### **Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

#### **Secondary Accreditations**

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

#### **Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

#### **Field Testing Parameters**

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

Apex Laboratories

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Cameron O'Brien, Project Manager









## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Union Station

Project Number: 2644-001

Project Manager: Suzy Stumpf

Report ID:

A4D1728 - 05 22 24 1607

## APEX LABS COOLER RECEIPT FORM

Client: Farallon ~~Seattle~~ Issaquah Element WO#: A4 D1728Project/Project #: Union Station Property / 2644-001

## Delivery Info:

Date/time received: 4/30/24 @ 1515 By: ESTDelivered by: Apex ☐ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☒ Other ☐From USDA Regulated Origin? Yes ☐ No ☒Cooler Inspection Date/time inspected: 4/30/24 @ 1515 By: ESTChain of Custody included? Yes ☐ No ☐Signed/dated by client? Yes ☐ No ☐Contains USDA Reg. Soils? Yes ☐ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.2</u>	<u>4.4</u>	<u>4.3</u>	<u>2.0</u>			
Custody seals? (Y/N)	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>			
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>			
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>			
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>	<u>Real</u>	<u>Real</u>			
Condition (In/Out):	<u>In</u>	<u>In</u>	<u>In</u>	<u>In</u>			

Cooler out of temp? (☒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: 4/30/24 @ 1709 By: KABAll samples intact? Yes ☒ No ☐ Comments: Bottle labels/COCs agree? Yes ☐ No ☒ Comments: See formCOC/container discrepancies form initiated? Yes ☒ No ☐Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: Do VOA vials have visible headspace? Yes ☐ No ☒ NA ☐Comments: No Sed No HSWater samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐ pH ID: A23172Comments: Sample 1, 2, 4, and 6 HCL ambers pH'd @ 7.16  
See COC/container discrepancy formLabeled by: KAMWitness: AJM/AMWCooler Inspected by: KAB

Form Y-003 R-02

Apex Laboratories

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Cameron O'Brien, Project Manager

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May 21, 2024

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



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

### LABORATORY TEST RESULTS

Project Reference: A4D1728  
Lab Number: R050207-01/08

Enclosed are results for sample(s) received 5/02/24 by Air Technology Laboratories. Samples were received intact and chilled to 3° 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,

A handwritten signature in blue ink, appearing to read "Mark Johnson", is written over a white background.

Mark Johnson  
Operations Manager  
MJohnson@AirTechLabs.com

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

## SUBCONTRACT ORDER

2 of 7  
R050207

Apex Laboratories

AB 4/30/24 A4D1728

JW

R050207 - 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

**Sample Name: MW-102R-20240429****Water****Sampled: 04/29/24 10:20****(A4D1728-01)**

Analysis	Due	Expires	Comments
<b>RSK 175 Preserved (Meth, Eth, Eth) (Sub)</b> <i>Containers Supplied:</i> (D)40 mL VOA - HCL (E)40 mL VOA - HCL (F)40 mL VOA - HCL	05/13/24 17:00	05/13/24 10:20	Methane only

**Sample Name: MW-105-20240429****Water****Sampled: 04/29/24 12:25****(A4D1728-02)**

Analysis	Due	Expires	Comments
<b>RSK 175 Preserved (Meth, Eth, Eth) (Sub)</b> <i>Containers Supplied:</i> (D)40 mL VOA - HCL (E)40 mL VOA - HCL (F)40 mL VOA - HCL	05/13/24 17:00	05/13/24 12:25	Methane only

**Sample Name: MW-104-20240429****Water****Sampled: 04/29/24 14:00****(A4D1728-03)**

Analysis	Due	Expires	Comments
<b>RSK 175 Preserved (Meth, Eth, Eth) (Sub)</b> <i>Containers Supplied:</i> (D)40 mL VOA - HCL (E)40 mL VOA - HCL (F)40 mL VOA - HCL	05/13/24 17:00	05/13/24 14:00	Methane only

Standard TAT

3°C 5/2/24  
H0

John Muir

5/1/24 5/1/24

UPS (Shipper)

Released By

UPS (Shipper)

Date

5/1/24 5/2/24 10:47

Received By

JL

Date

5/2/24 10:47

Released By

Date

Received By

Date

## SUBCONTRACT ORDER

3 of 7  
R050207

Apex Laboratories

A4D1728

AW

R050207-01/08

250ml Poly Nitric Non-FF reads MW-101-2024

Sample Name: MW-101R-20240429

Water

Sampled: 04/29/24 09:48

(A4D1728-04)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	05/13/24 17:00	05/13/24 09:48	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Sample Name: MW-107R-20240429

Water

Sampled: 04/29/24 14:13

(A4D1728-05)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	05/13/24 17:00	05/13/24 14:13	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Label on Nitric Poly Non-FF is illegible, match

Sample Name: MW-108R-20240429

Water

Sampled: 04/29/24 12:15

(A4D1728-06)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	05/13/24 17:00	05/13/24 12:15	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Sample Name: B-6R-20240429

Water

Sampled: 04/29/24 16:33

(A4D1728-07)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	05/13/24 17:00	05/13/24 16:33	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Standard TAT

5/2/24  
306 H0

Kummm

5/1/24

UPS (Shipper)

Released By

Date

Received By

Date

UPS (Shipper)

5/2/24

10:47

Luh

5/2/24

10:47

Released By

Date

Received By

Date

## SUBCONTRACT ORDER

4 of 7  
R050207

Apex Laboratories

JB 4/30/24 A4D1728

R050207-01/08

Sample Name: B-4R-20240429

Water

Sampled: 04/29/24 18:44

(A4D1728-08)

Analysis	Due	Expires	Comments
RSK 175 Preserved (Meth, Eth, Eth) (Sub)	05/13/24 17:00	05/13/24 18:44	Methane only
Containers Supplied:			
(D)40 mL VOA - HCL			
(E)40 mL VOA - HCL			
(F)40 mL VOA - HCL			

Standard TAT

30 C +10  
5/2/24

[Signature]

5/1/24

UPS (Shipper)

Released By

Date

Received By

Date

UPS (Shipper)

5/2/24 10:47

[Signature]

5/2/24

10:47

Released By

Date

Received By

Date



**Client:** Apex Laboratories  
**Attn:** Cameron O'Brien  
**Project Name:** NA  
**Project No.:** A4D1728  
**Date Received:** 05/02/24  
**Matrix:** Water  
**Reporting Units:** ug/L

## RSK175

Lab No.:	R050207-01		R050207-02		R050207-03		R050207-04	
Client Sample I.D.:	MW-102R-20240429 (A4D1728-01)		MW-105-20240429 (A4D1728-02)		MW-104-20240429 (A4D1728-03)		MW-101R-20240429 (A4D1728-04)	
Date/Time Sampled:	4/29/24 10:20		4/29/24 12:25		4/29/24 14:00		4/29/24 9:48	
Date/Time Analyzed:	5/7/24 13:35		5/7/24 13:46		5/7/24 13:57		5/7/24 14:08	
QC Batch No.:	240507GC8A1		240507GC8A1		240507GC8A1		240507GC8A1	
Analyst Initials:	AS		AS		AS		AS	
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	8,400	1.0	8,400	1.0	8,500	1.0	8,300	1.0

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson  
Mark Johnson  
Operations Manager

Date 5/20/24

The cover letter is an integral part of this analytical report



**Client:** Apex Laboratories  
**Attn:** Cameron O'Brien  
**Project Name:** NA  
**Project No.:** A4D1728  
**Date Received:** 05/02/24  
**Matrix:** Water  
**Reporting Units:** ug/L

## RSK175

Lab No.:	R050207-05		R050207-06		R050207-07		R050207-08	
Client Sample I.D.:	MW-107R-20240429 (A4D1728-05)		MW-108R-20240429 (A4D1728-06)		B-6R-20240429 (A4D1728-07)		B-4R-20240429 (A4D1728-08)	
Date/Time Sampled:	4/29/24 14:13		4/29/24 12:15		4/29/24 16:33		4/29/24 18:44	
Date/Time Analyzed:	5/7/24 14:19		5/7/24 14:29		5/7/24 14:40		5/7/24 14:51	
QC Batch No.:	240507GC8A1		240507GC8A1		240507GC8A1		240507GC8A1	
Analyst Initials:	AS		AS		AS		AS	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result	RL	Result	RL	Result	RL	Result	RL
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Methane	13,000	1.0	3,900	1.0	11,000	1.0	3,500	1.0

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson  
Mark Johnson  
Operations Manager

Date 5/20/24

The cover letter is an integral part of this analytical report



QC Batch No: 240507GC8A1

Matrix: Water

Reporting Units: ug/L

**RSK 175**  
**LABORATORY CONTROL SAMPLE SUMMARY**

Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	5/7/24 11:59			5/7/24 13:13		5/7/24 13:24					
Analyst Initials:	AS			AS		AS					
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	578	88	590	90	2.0	70	130	30

ND = Not Detected (below RL)

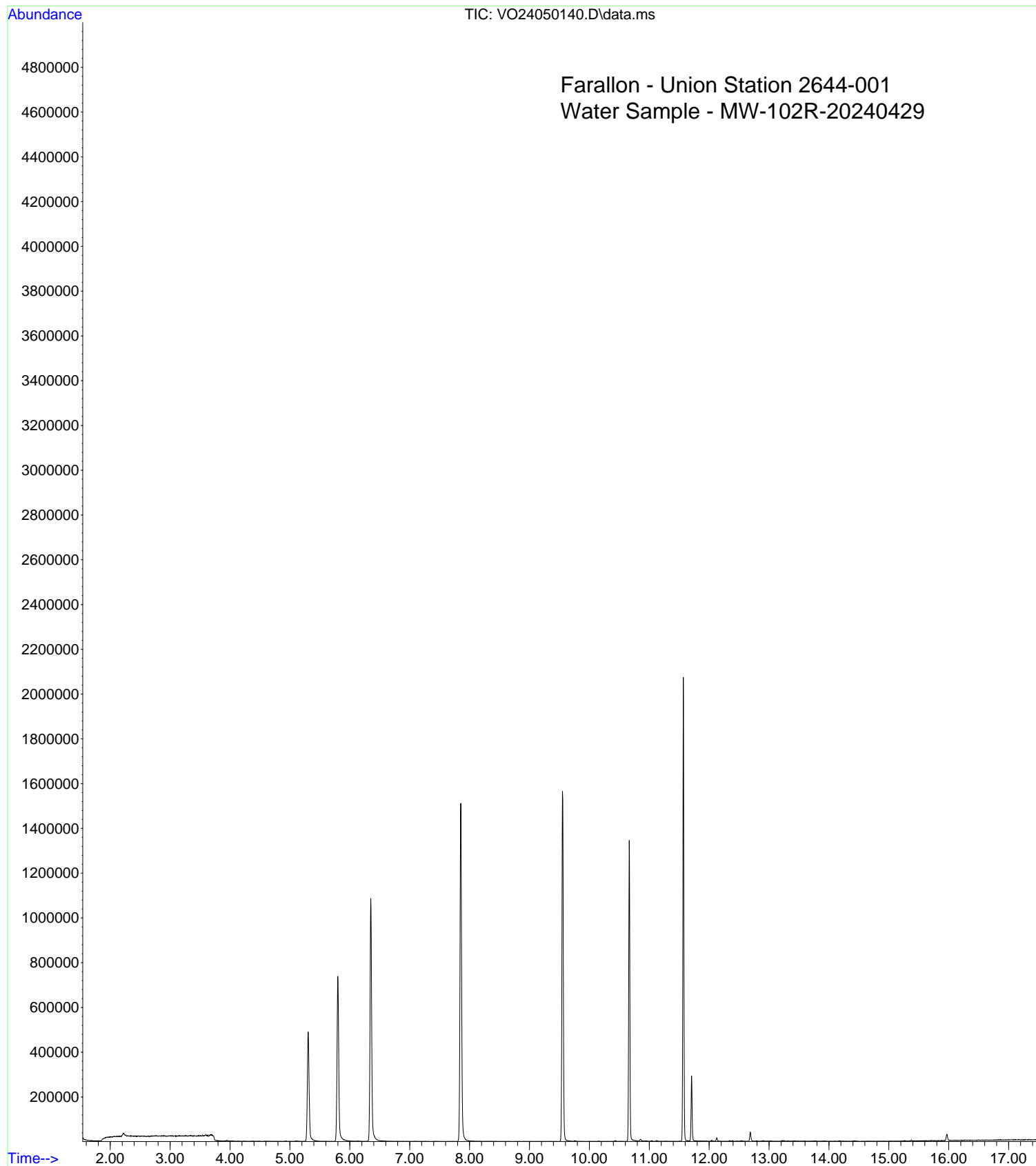
RL = Reporting Limit

Reviewed/Approved By: Mark Johnson  
Operations ManagerDate 5/20/24

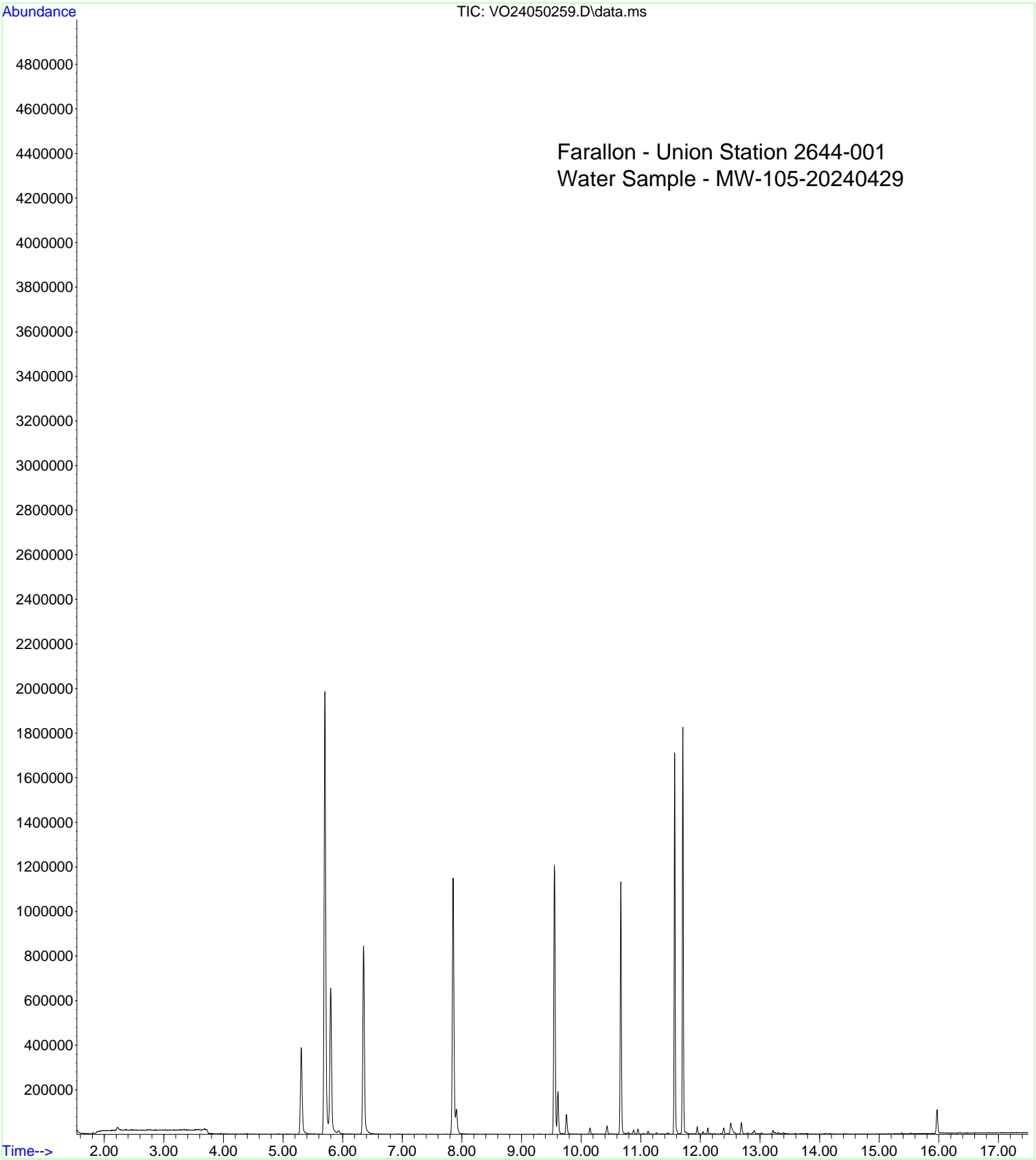
The cover letter is an integral part of this analytical report



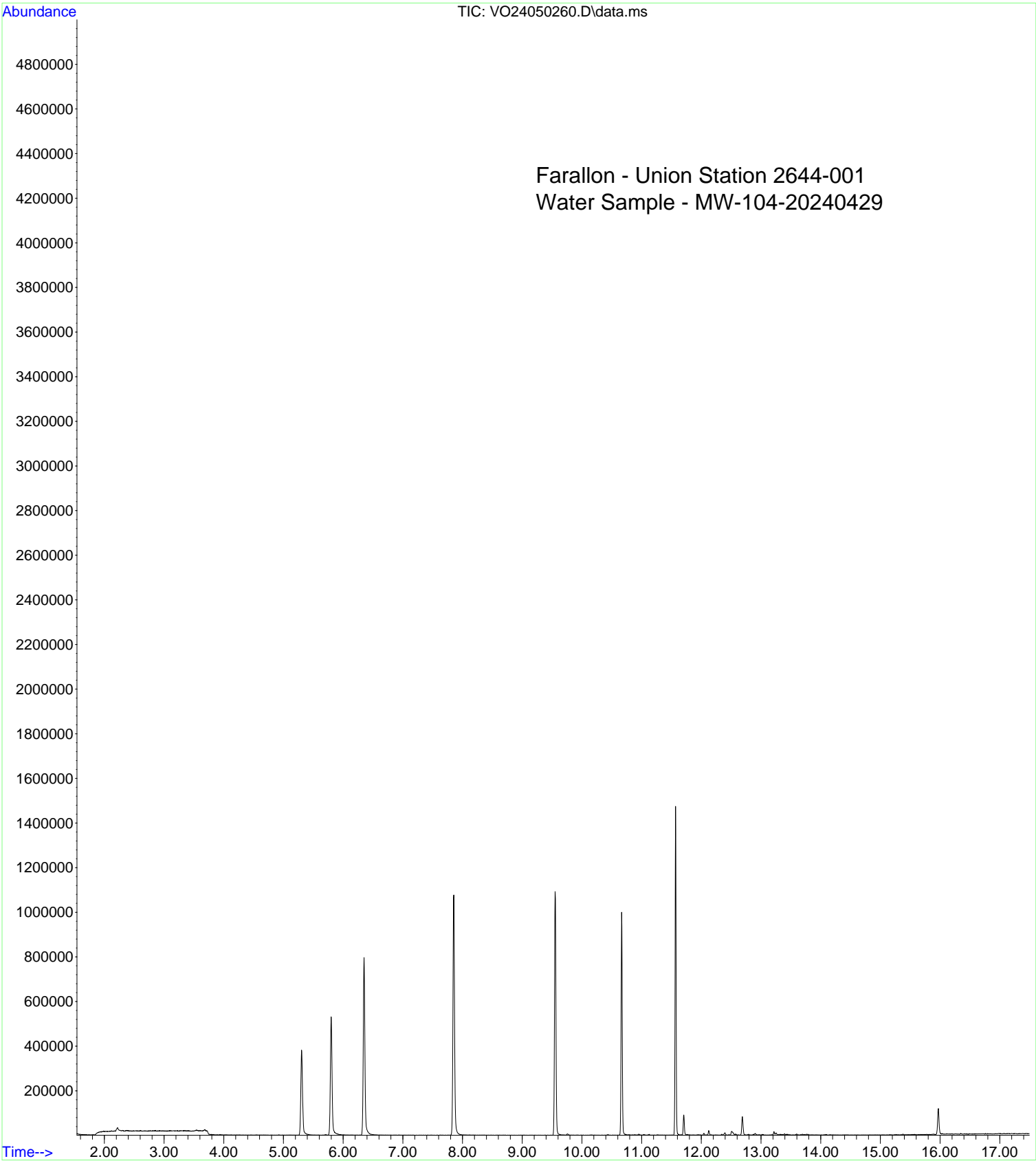
File :C:\msdchem\1\data\4E01065\VO24050140.D  
Operator : LMP  
Acquired : 01 May 2024 10:01 pm using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-01RE1  
Misc Info : 1X 5mL BTEX/GX RR-1  
Vial Number: 40



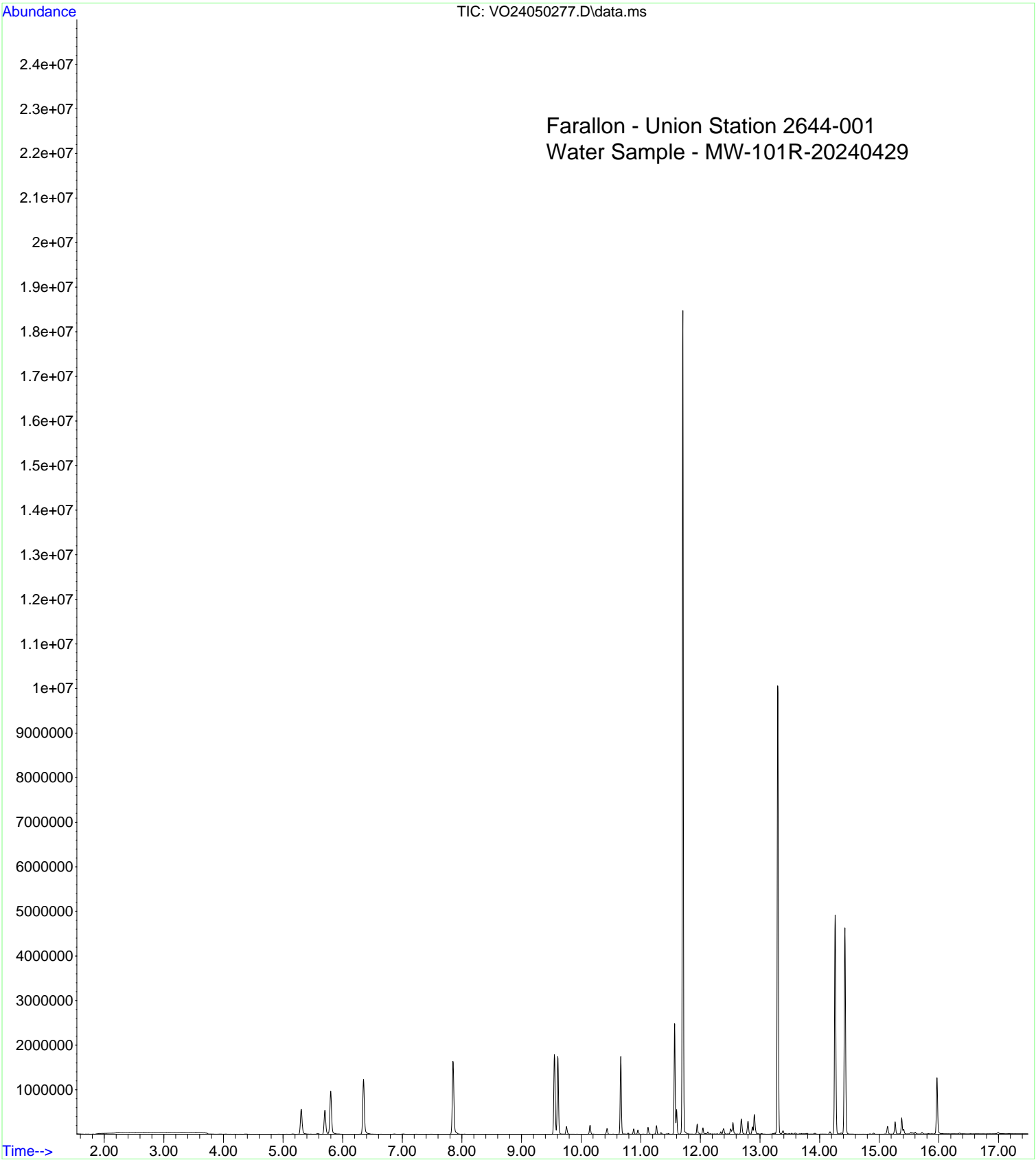
File :C:\msdchem\1\data\4E02062\VO24050259.D  
Operator : LMP  
Acquired : 03 May 2024 08:39 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-02RE1  
Misc Info : 1X 5mL BTEX/GX RR-1  
Vial Number: 59



File :C:\msdchem\1\data\4E02062\VO24050260.D  
Operator : LMP  
Acquired : 03 May 2024 09:01 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-03RE1  
Misc Info : 1X 5mL BTEX/GX RR-1 (SOURCE DUP1)  
Vial Number: 60

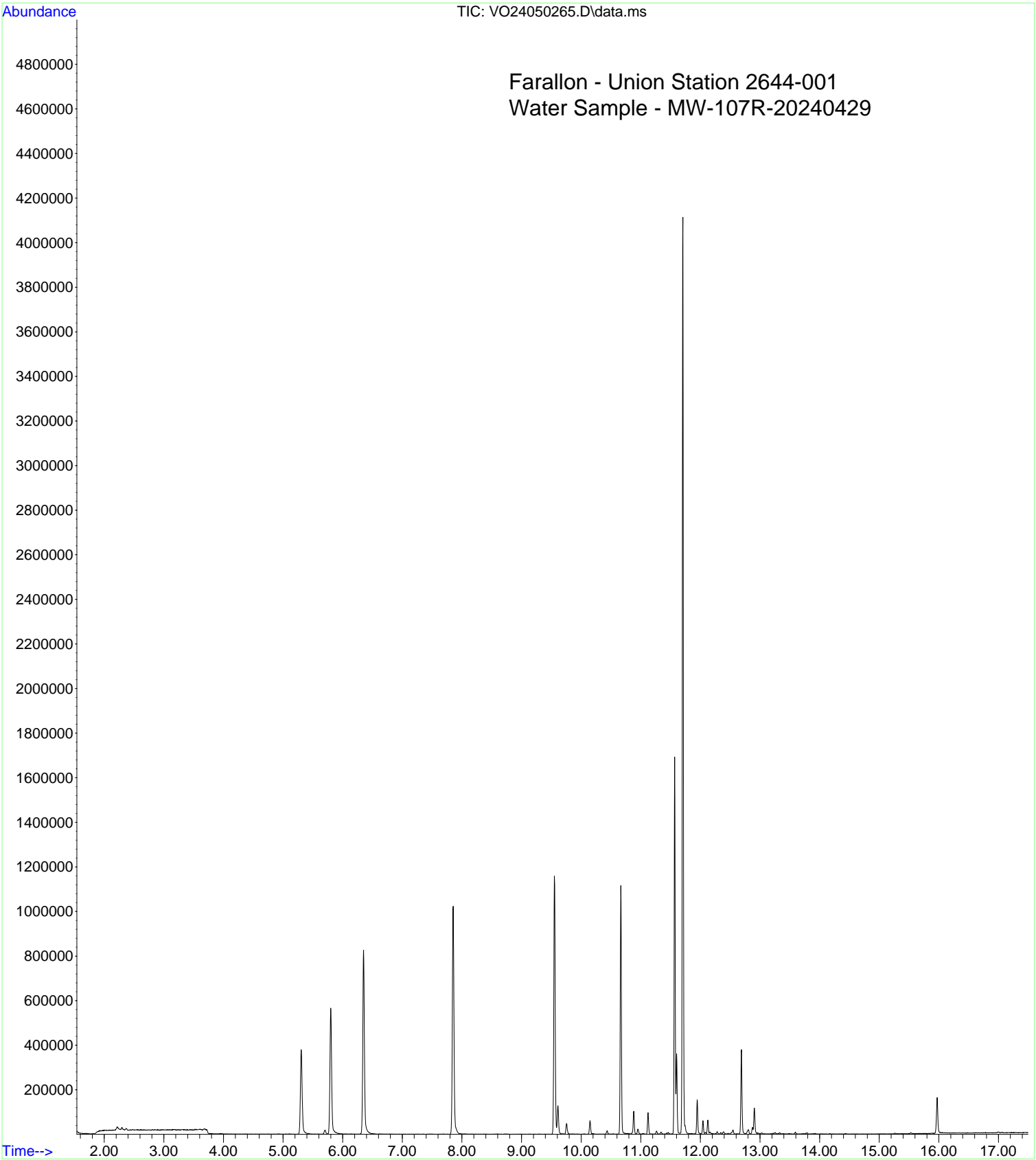


File :C:\msdchem\1\data\4E02062\VO24050277.D  
Operator : LMP  
Acquired : 03 May 2024 03:14 pm using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-04RE1@2  
Misc Info : 2X 25mL/50mL BTEX/GX RR-1  
Vial Number: 77

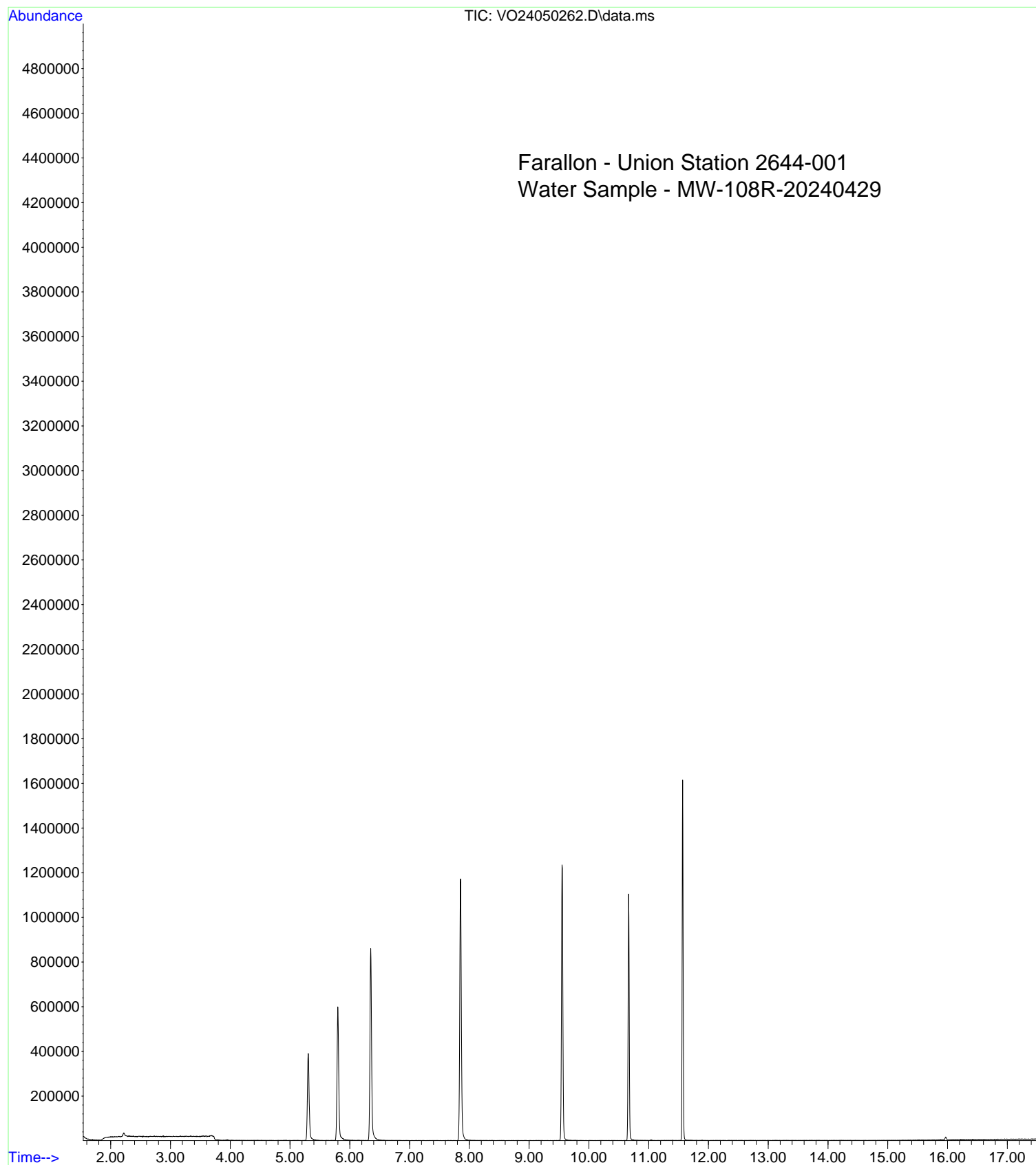




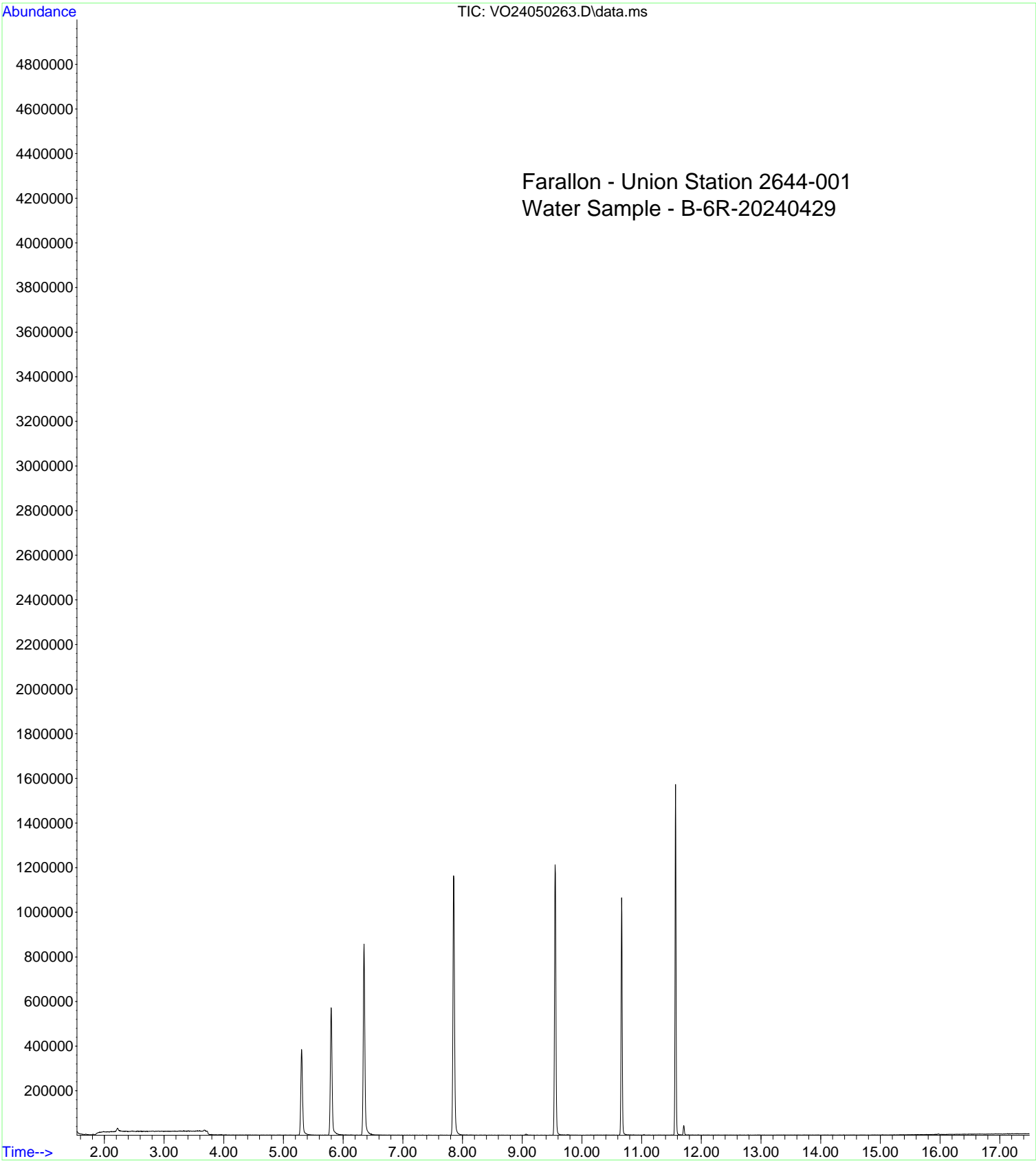
File :C:\msdchem\1\data\4E02062\VO24050265.D  
Operator : LMP  
Acquired : 03 May 2024 10:51 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-05RE1  
Misc Info : 1X 5mL BTEX/GX RR-1  
Vial Number: 65



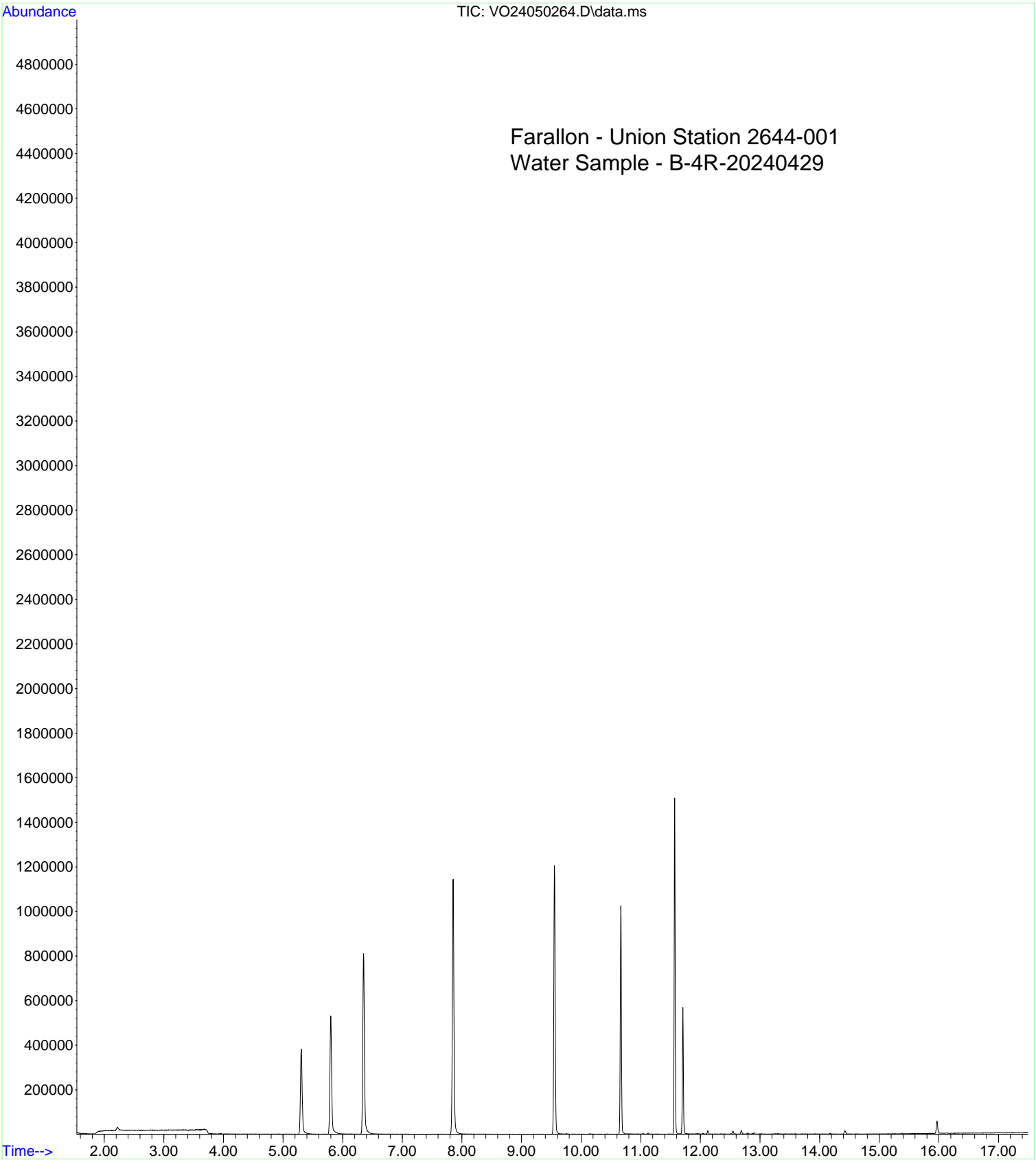
File :C:\msdchem\1\data\4E02062\VO24050262.D  
Operator : LMP  
Acquired : 03 May 2024 09:45 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-06RE1  
Misc Info : 1X 5mL BTEX/GX RR-1  
Vial Number: 62



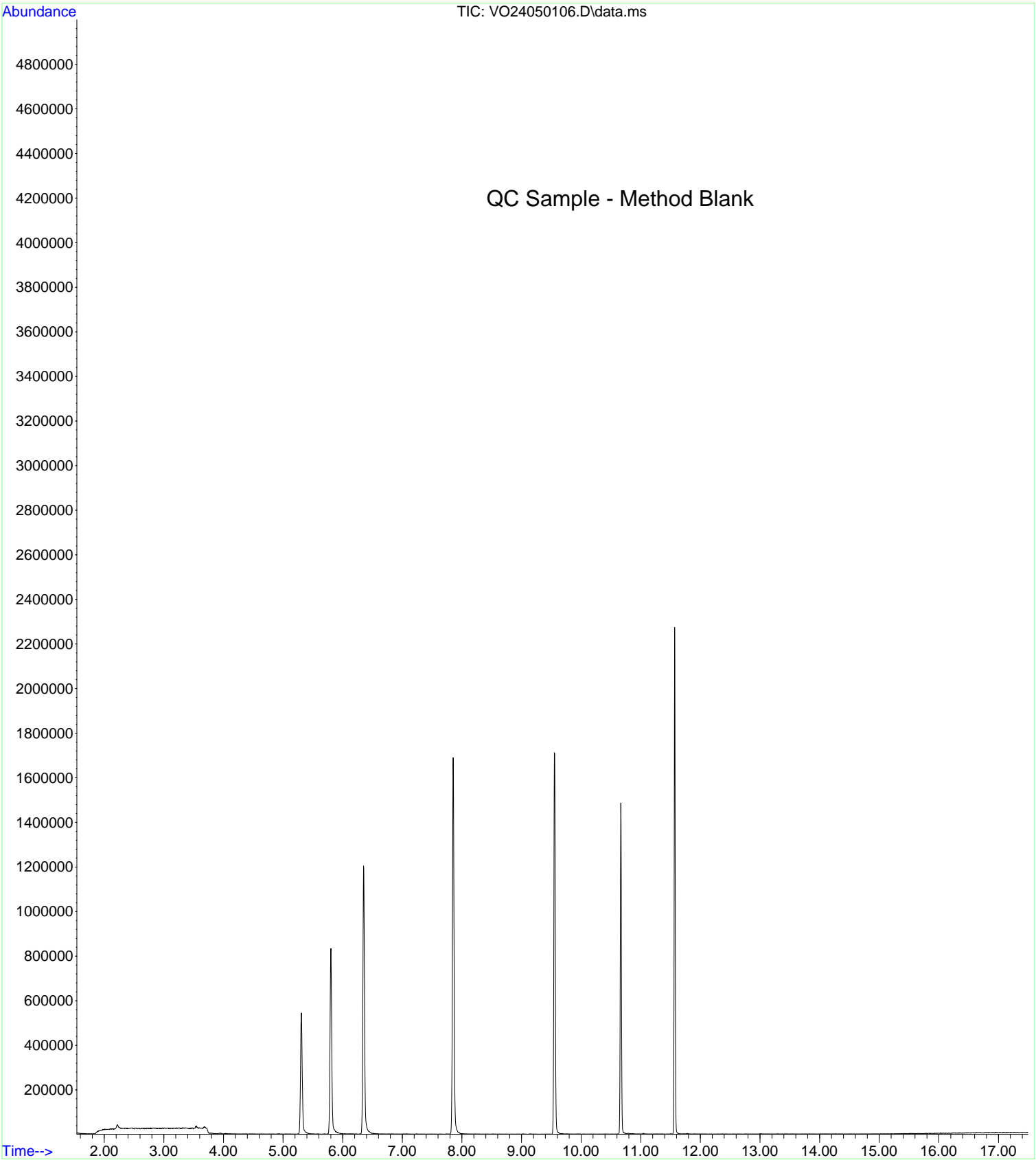
File :C:\msdchem\1\data\4E02062\VO24050263.D  
Operator : LMP  
Acquired : 03 May 2024 10:07 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-07RE1  
Misc Info : 1X 5mL BTEX/GX RR-1  
Vial Number: 63



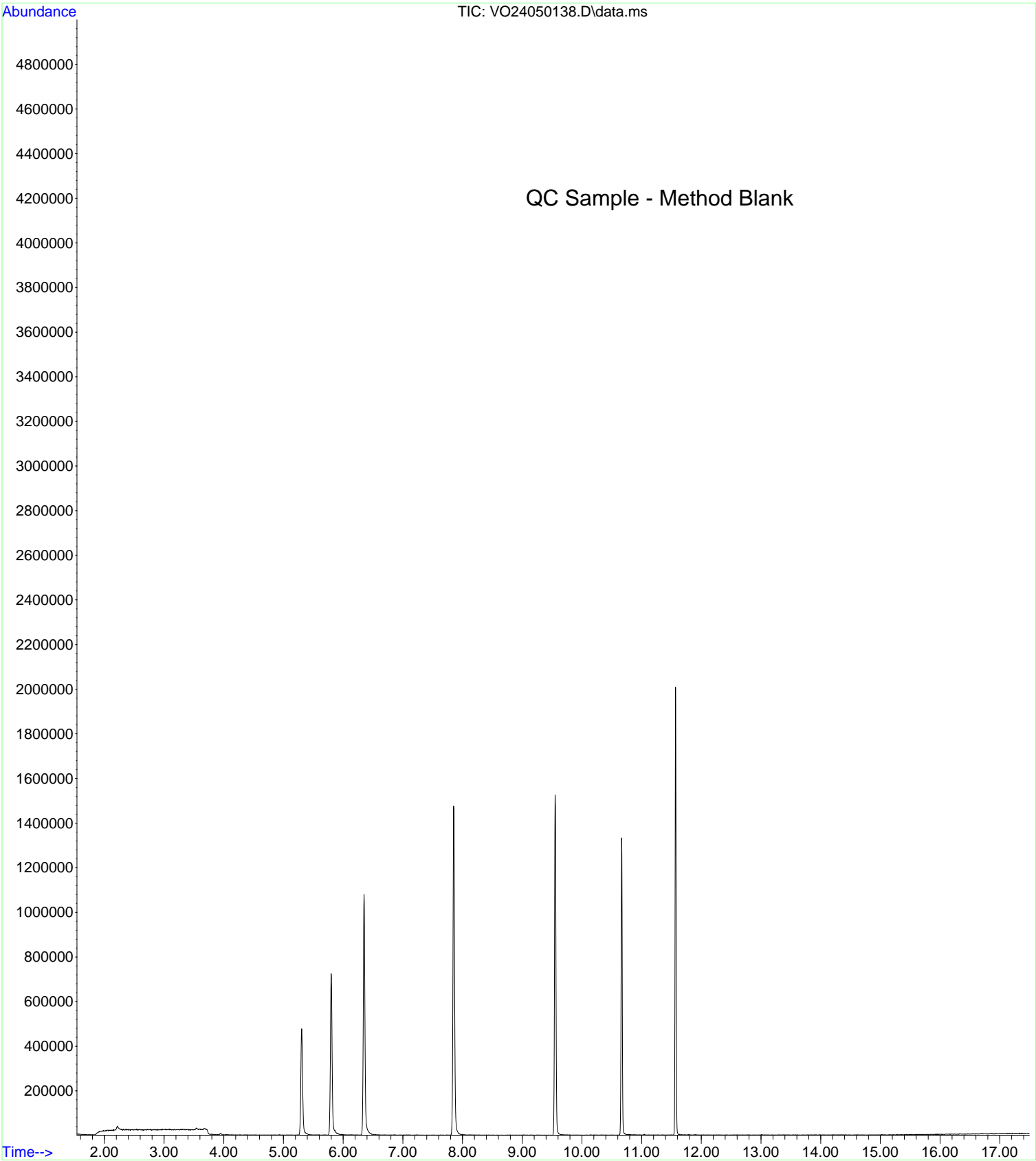
File :C:\msdchem\1\data\4E02062\VO24050264.D  
Operator : LMP  
Acquired : 03 May 2024 10:29 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: A4D1728-08RE1  
Misc Info : 1X 5mL BTEX/GX RR-1  
Vial Number: 64



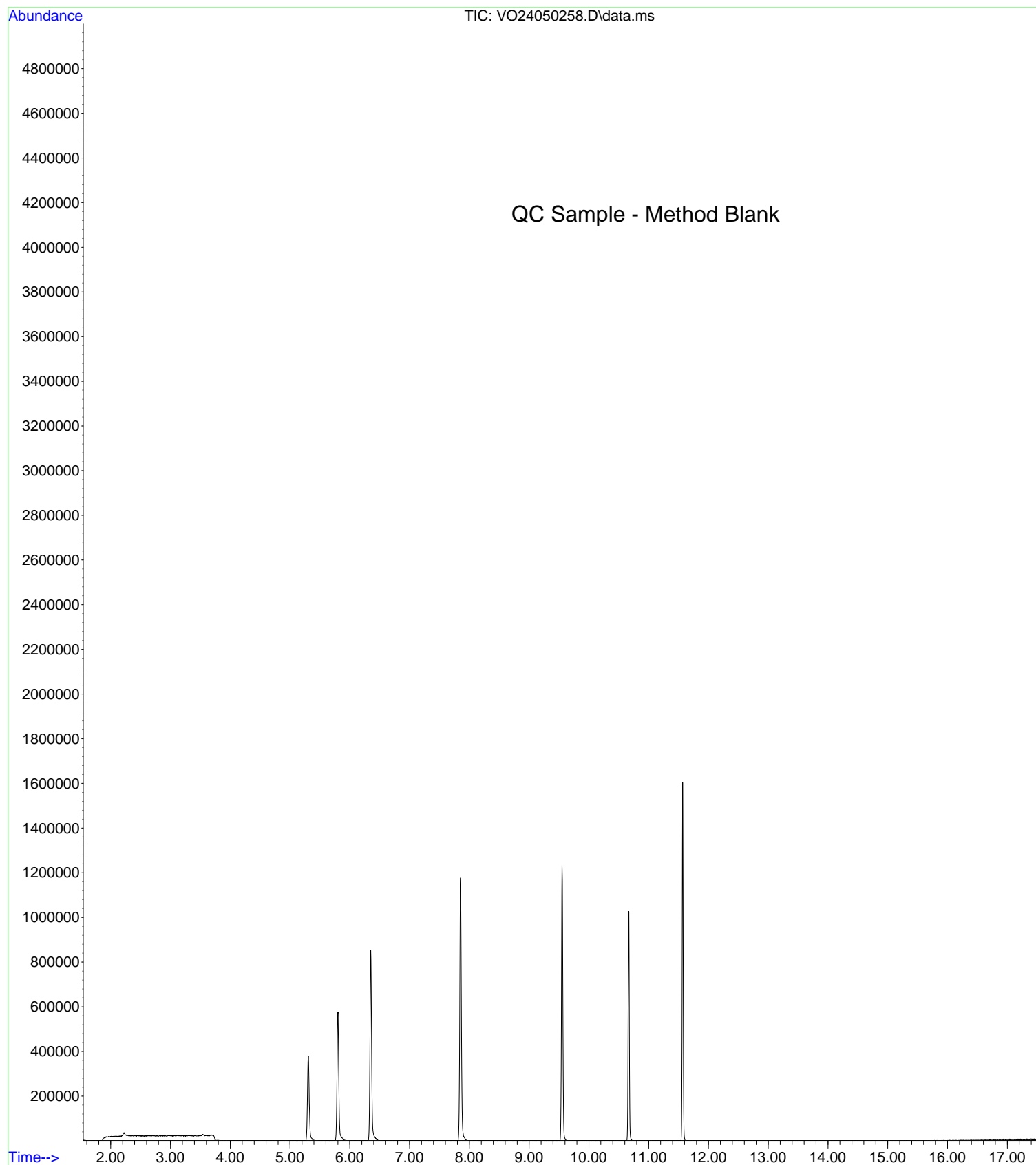
File :C:\msdchem\1\data\4E01045\VO24050106.D  
Operator : LMP  
Acquired : 01 May 2024 09:14 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: 24E0004-BLK  
Misc Info : 1X 5ml DI +IS/SURR  
Vial Number: 6



File :C:\msdchem\1\data\4E01065\VO24050138.D  
Operator : LMP  
Acquired : 01 May 2024 09:17 pm using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: 24E0040-BLK1  
Misc Info : 1X 5ml DI +IS/SURR  
Vial Number: 38

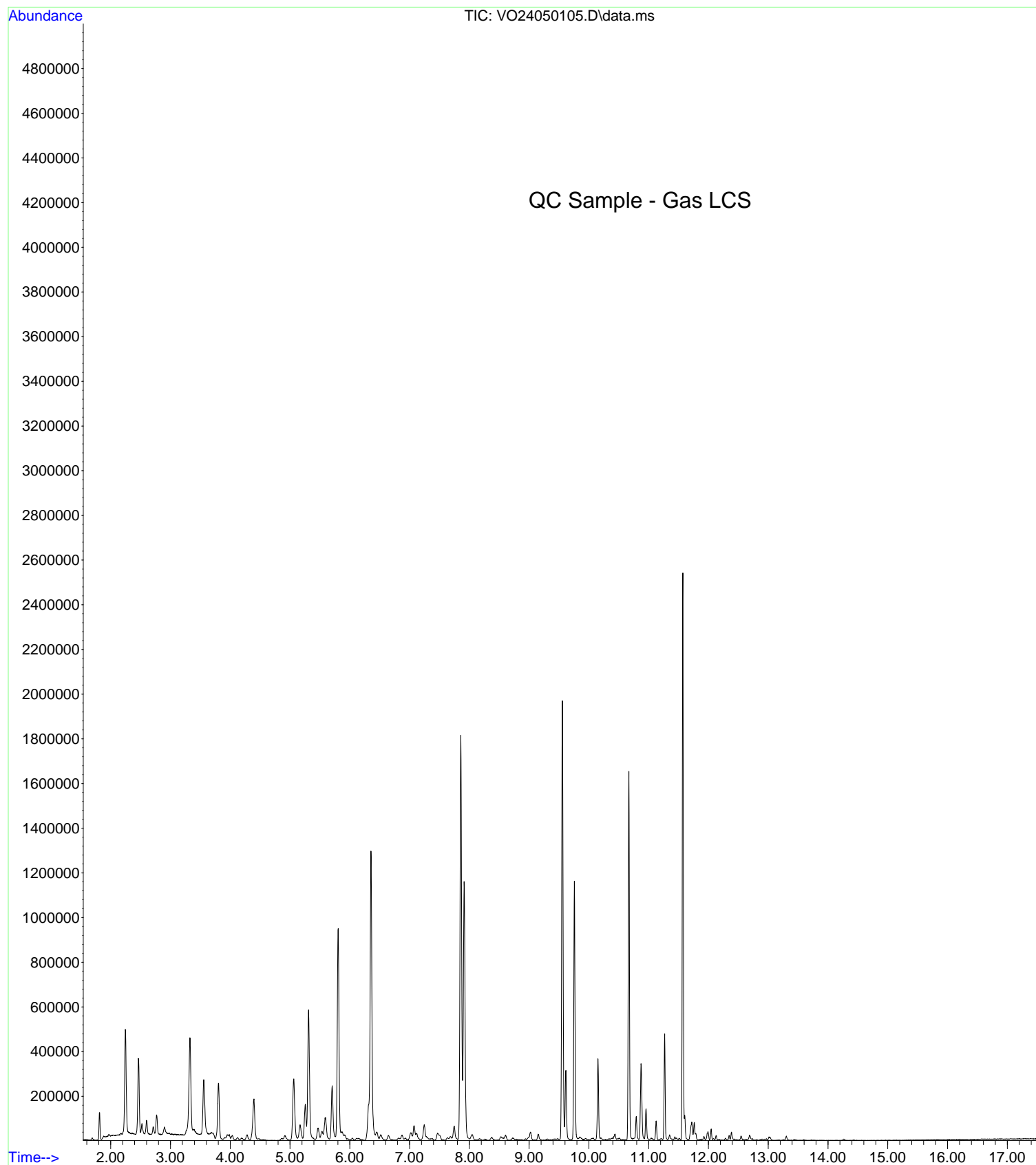


File :C:\msdchem\1\data\4E02062\VO24050258.D  
Operator : LMP  
Acquired : 03 May 2024 08:17 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: 24E0077-BLK1  
Misc Info : 1x 5ml DI  
Vial Number: 58

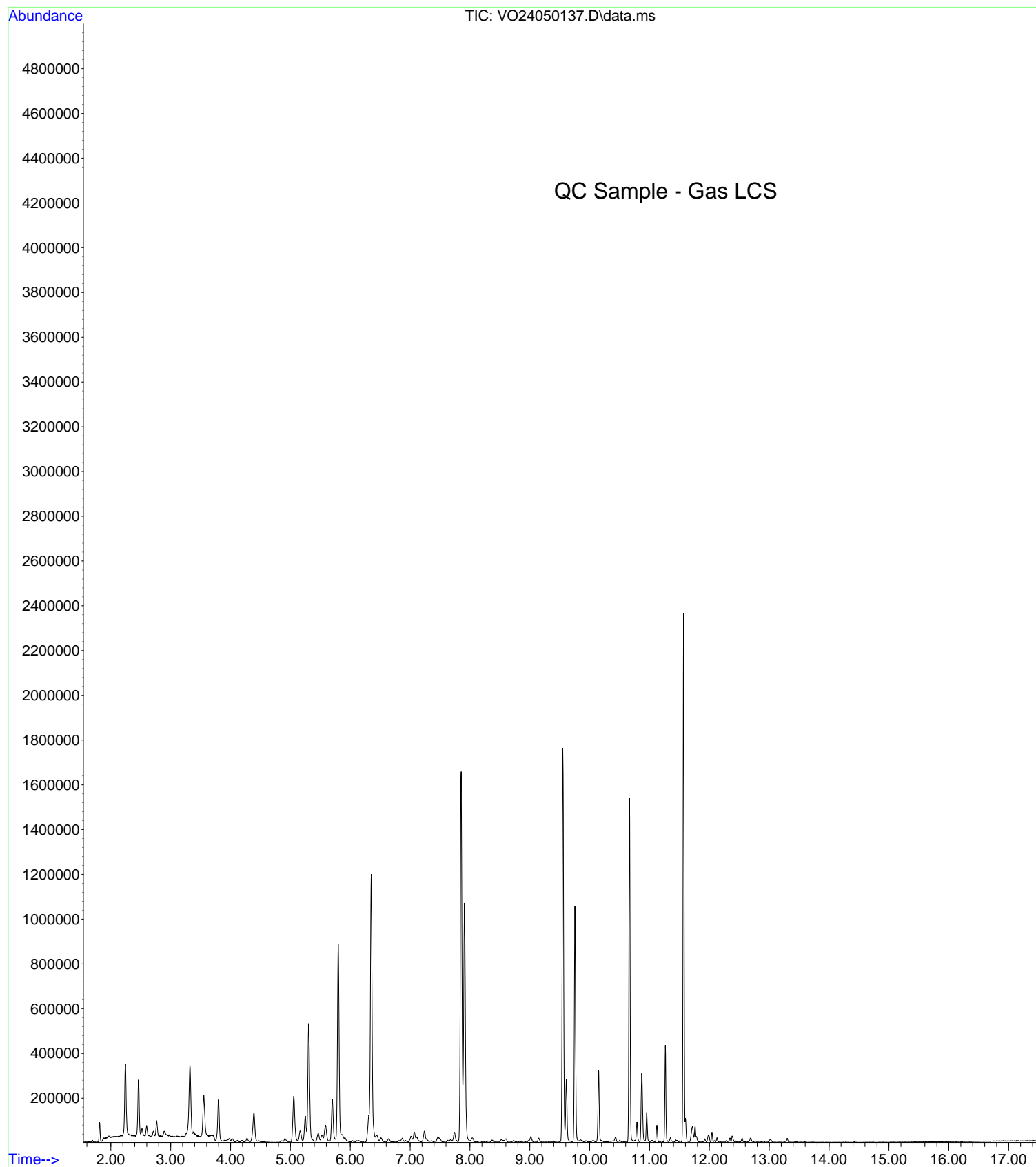




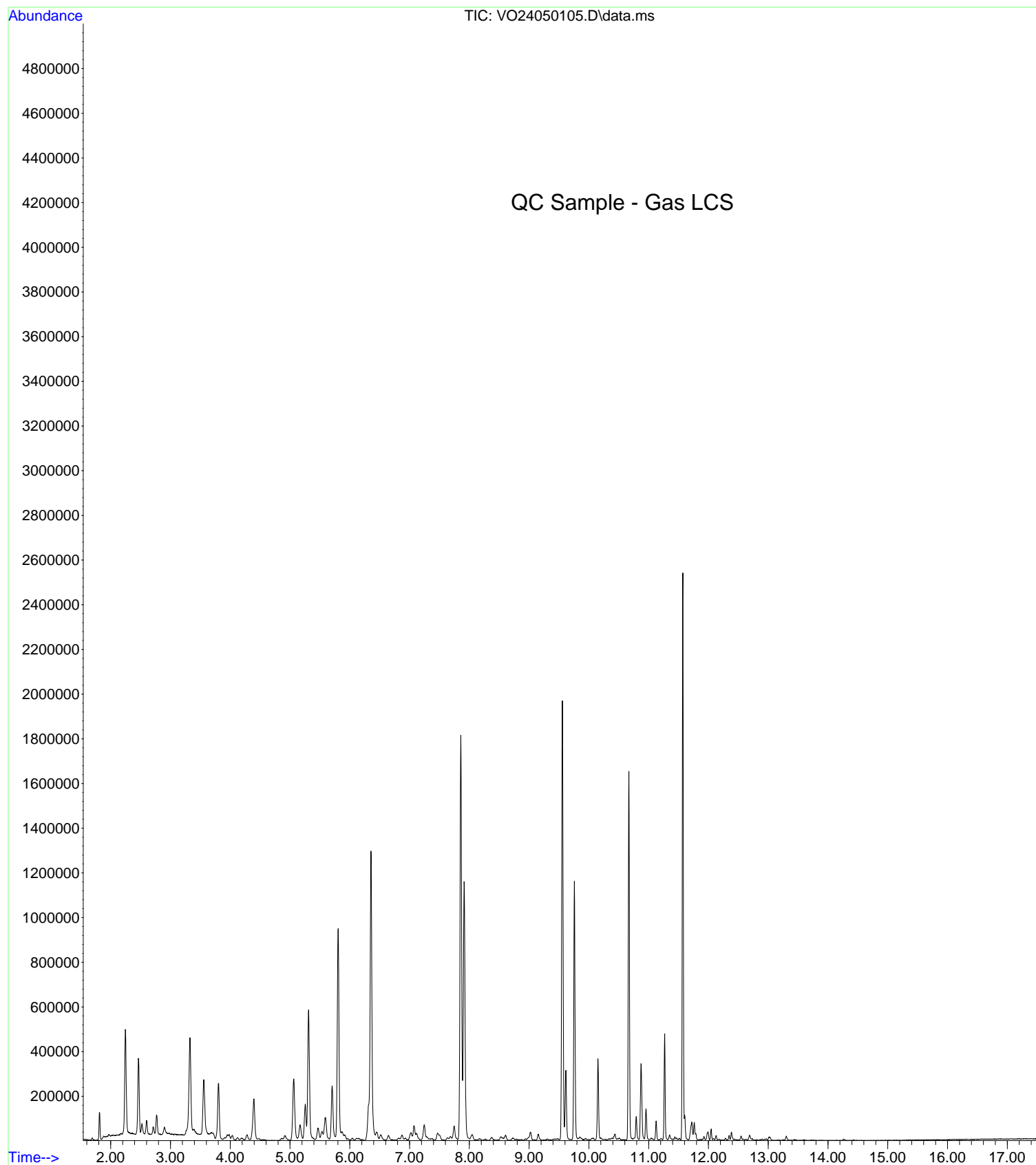
File :C:\msdchem\1\data\4E01045\VO24050105.D  
Operator : LMP  
Acquired : 01 May 2024 08:52 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: 24E0004-BS2  
Misc Info : 1X 5ml A24D098 500PPB GX  
Vial Number: 5



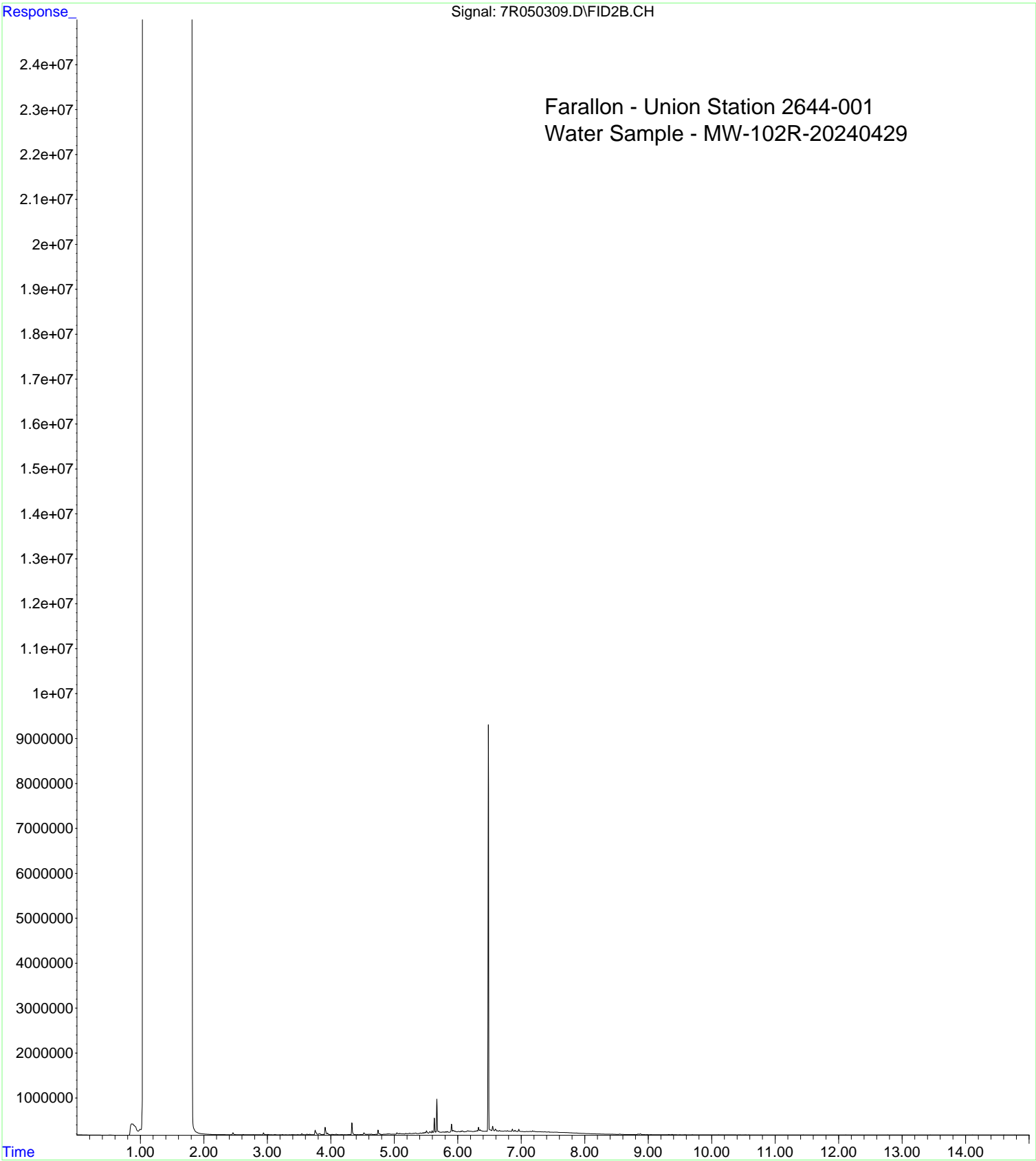
File :C:\msdchem\1\data\4E01065\VO24050137.D  
Operator : LMP  
Acquired : 01 May 2024 08:55 pm using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: 24E0040-BS2  
Misc Info : 1X 5ml A24D098 500PPB GX  
Vial Number: 37



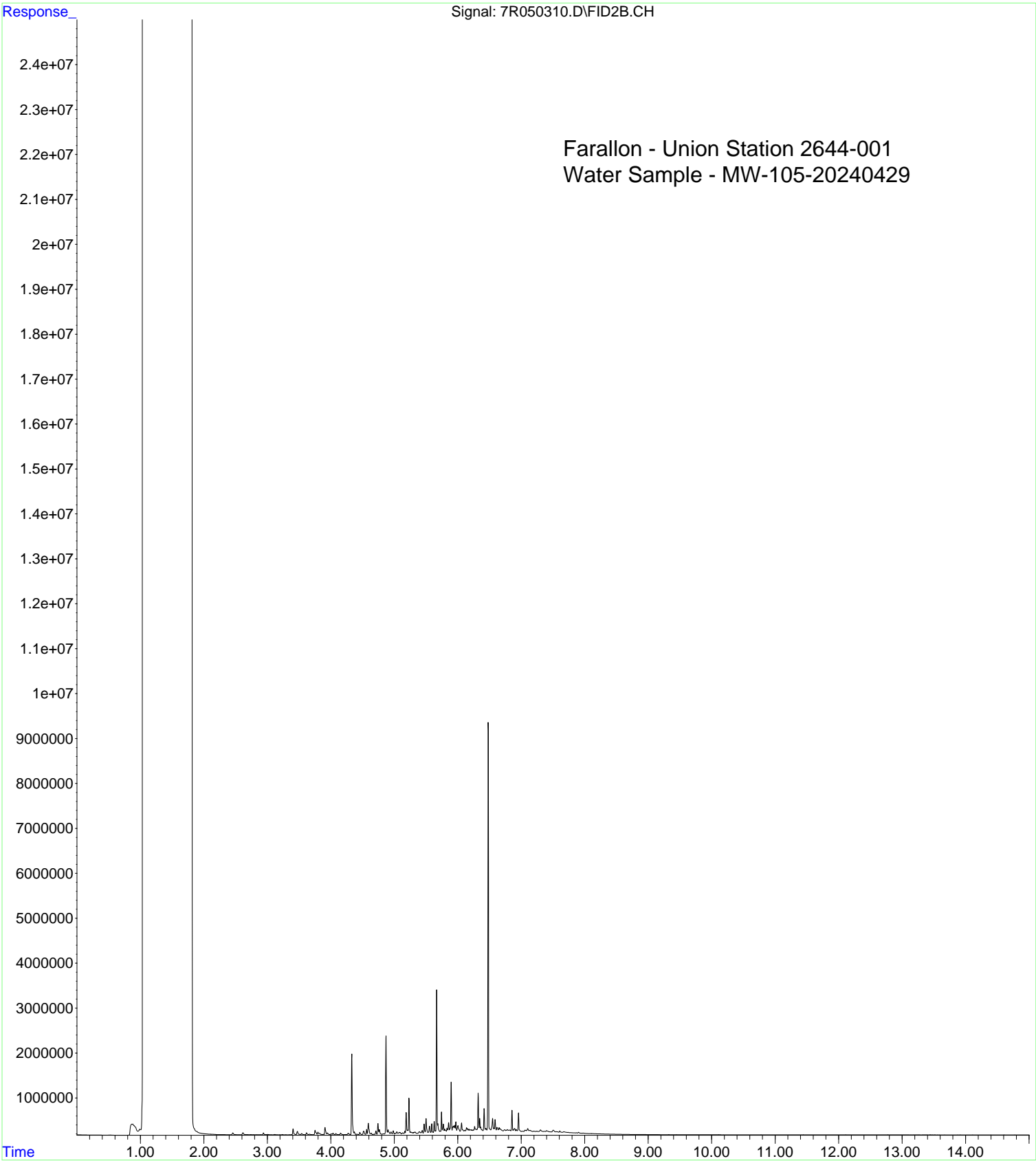
File :C:\msdchem\1\data\4E01045\VO24050105.D  
Operator : LMP  
Acquired : 01 May 2024 08:52 am using AcqMethod VO2203RUN.M  
Instrument : VOA-GCMS15  
Sample Name: 24E0004-BS2  
Misc Info : 1X 5ml A24D098 500PPB GX  
Vial Number: 5



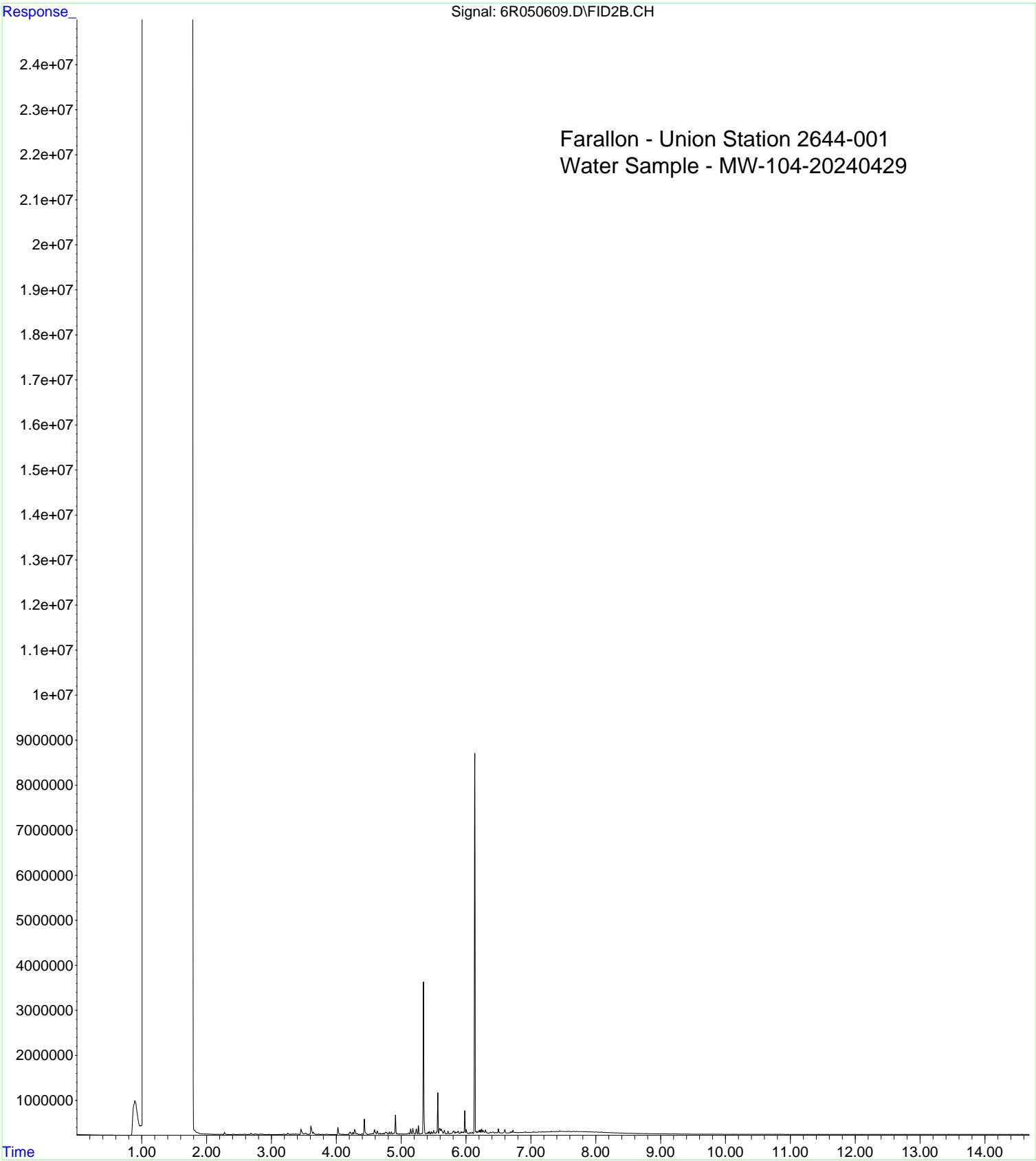
File :C:\msdchem\1\data\4E03035\7R050309.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 8:20 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: A4D1728-01  
Misc Info :  
Vial Number: 56



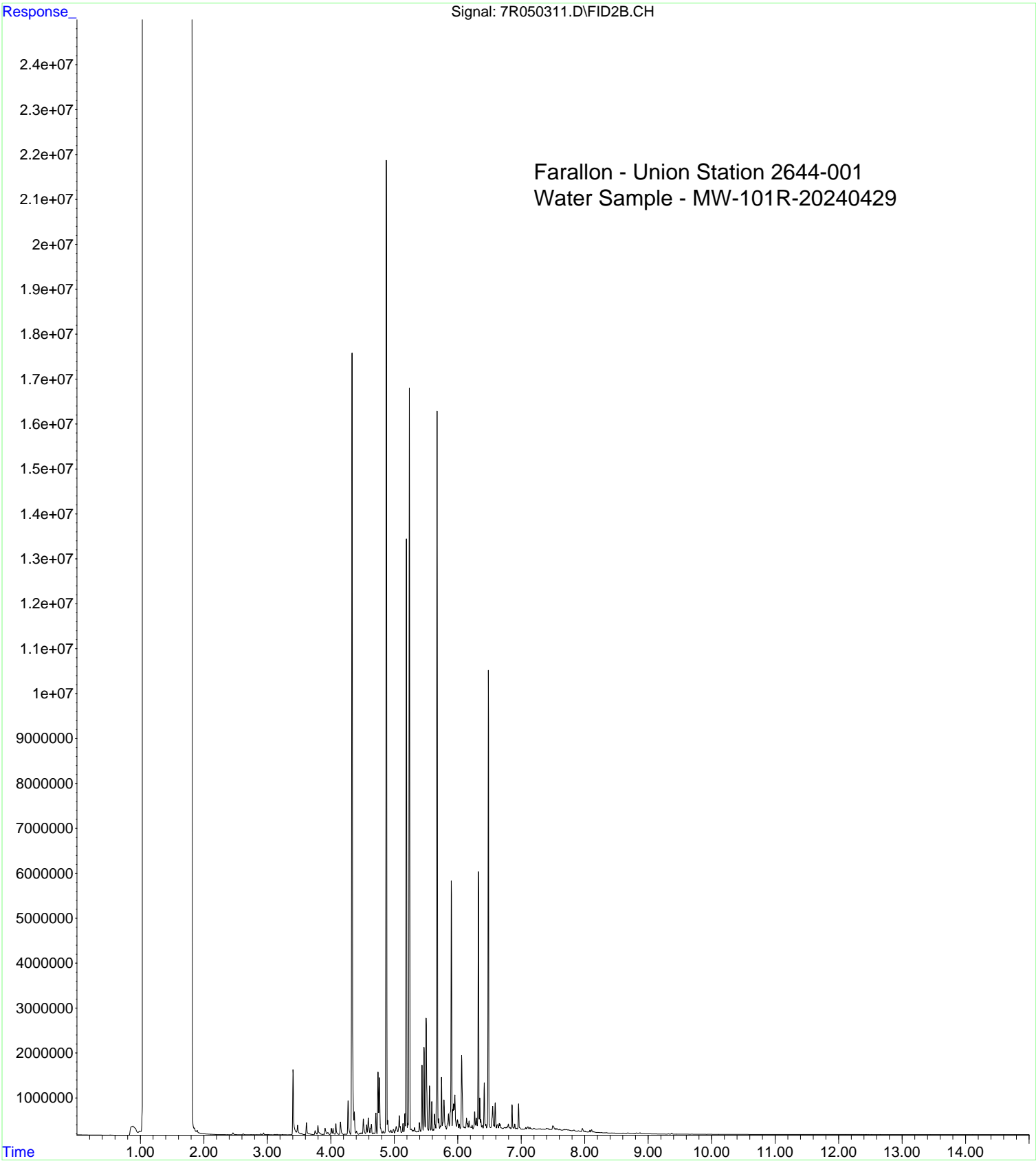
File :C:\msdchem\1\data\4E03035\7R050310.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 8:40 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: A4D1728-02  
Misc Info :  
Vial Number: 57



File :C:\msdchem\1\data\4E06050\6R050609.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 6:01 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-03  
Misc Info :  
Vial Number: 54

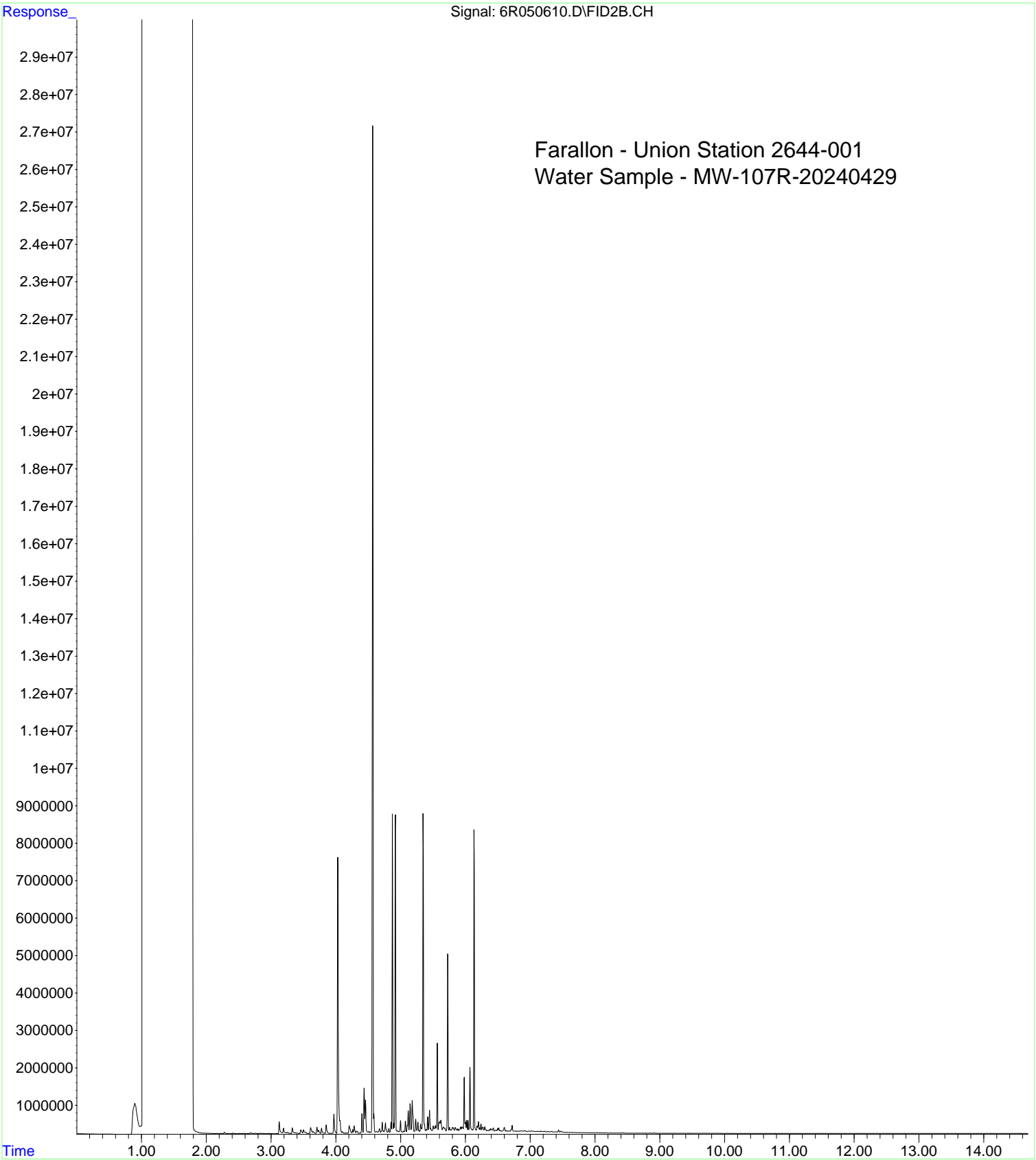


File :C:\msdchem\1\data\4E03035\7R050311.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 9:01 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: A4D1728-04  
Misc Info :  
Vial Number: 58

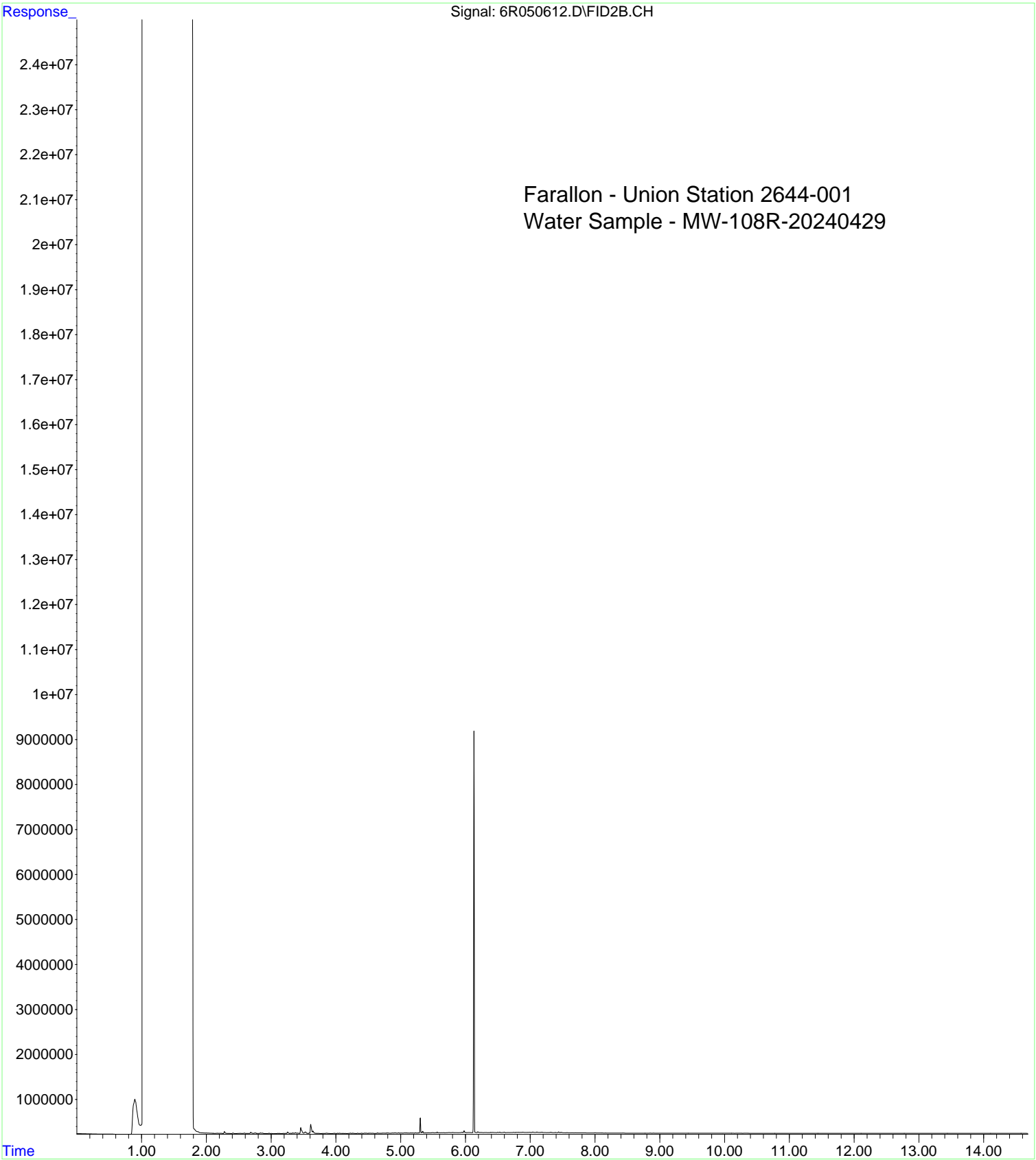




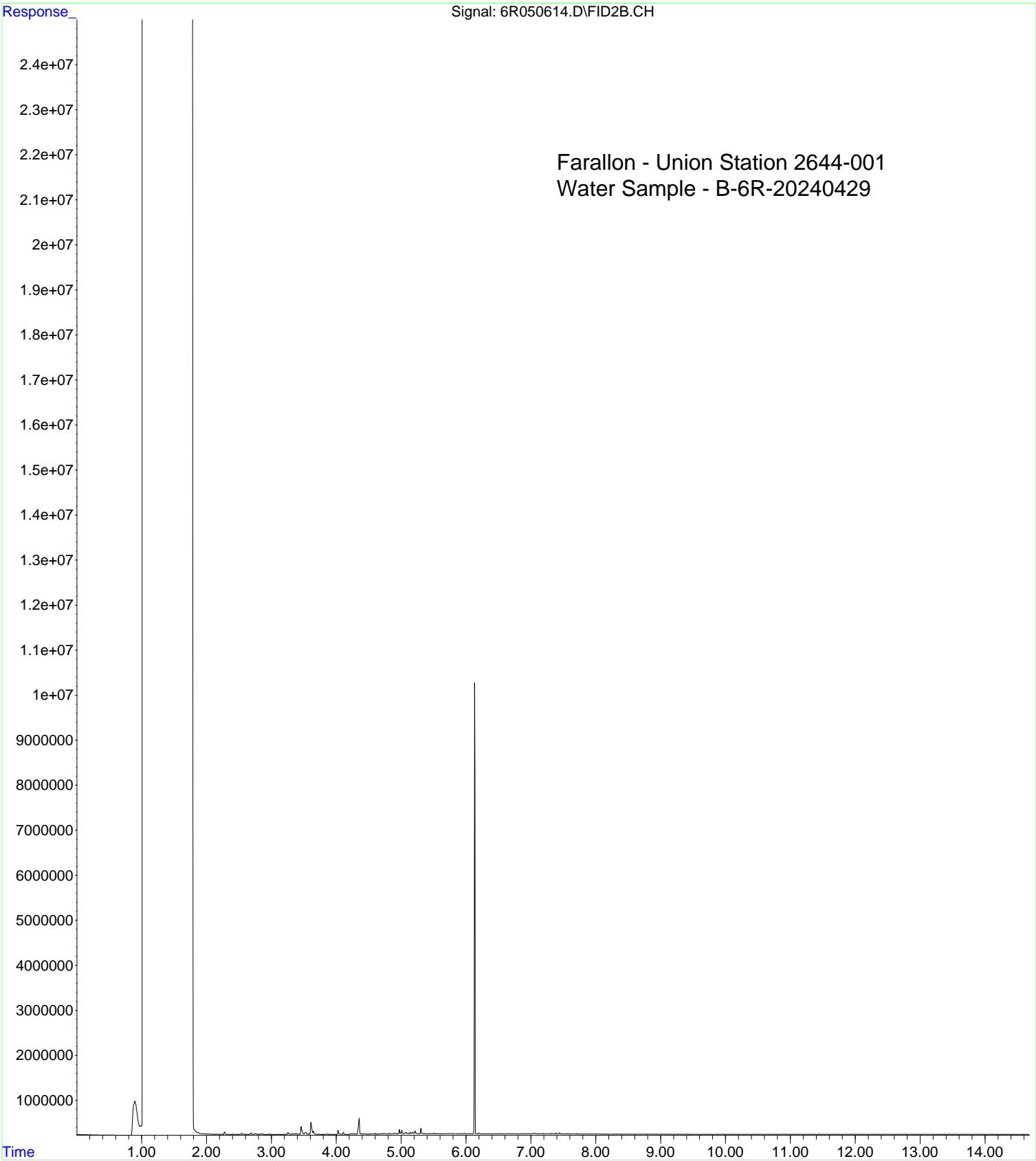
File :C:\msdchem\1\data\4E06050\6R050610.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 6:21 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-05  
Misc Info :  
Vial Number: 55



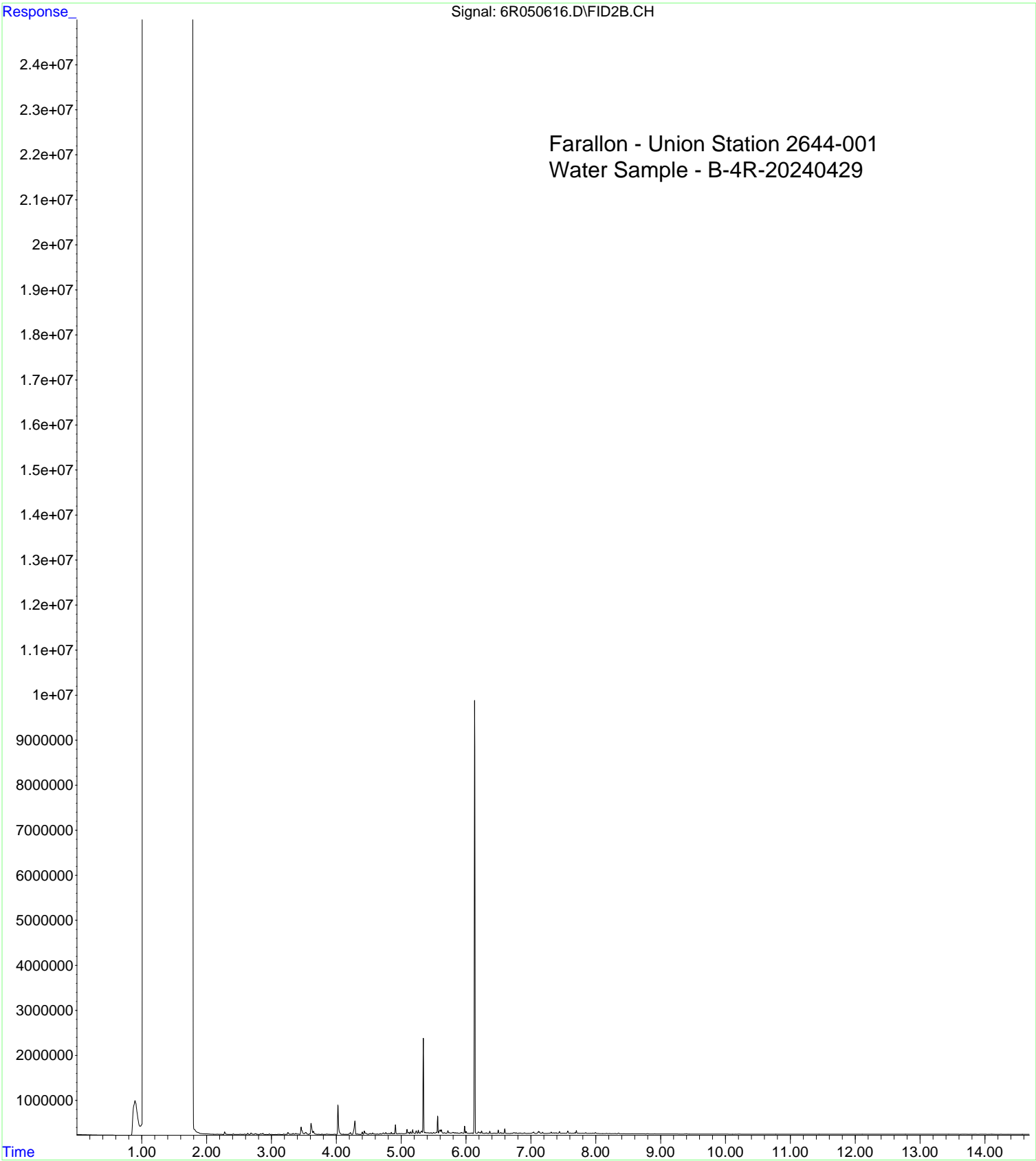
File :C:\msdchem\1\data\4E06050\6R050612.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 7:02 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-06  
Misc Info :  
Vial Number: 56



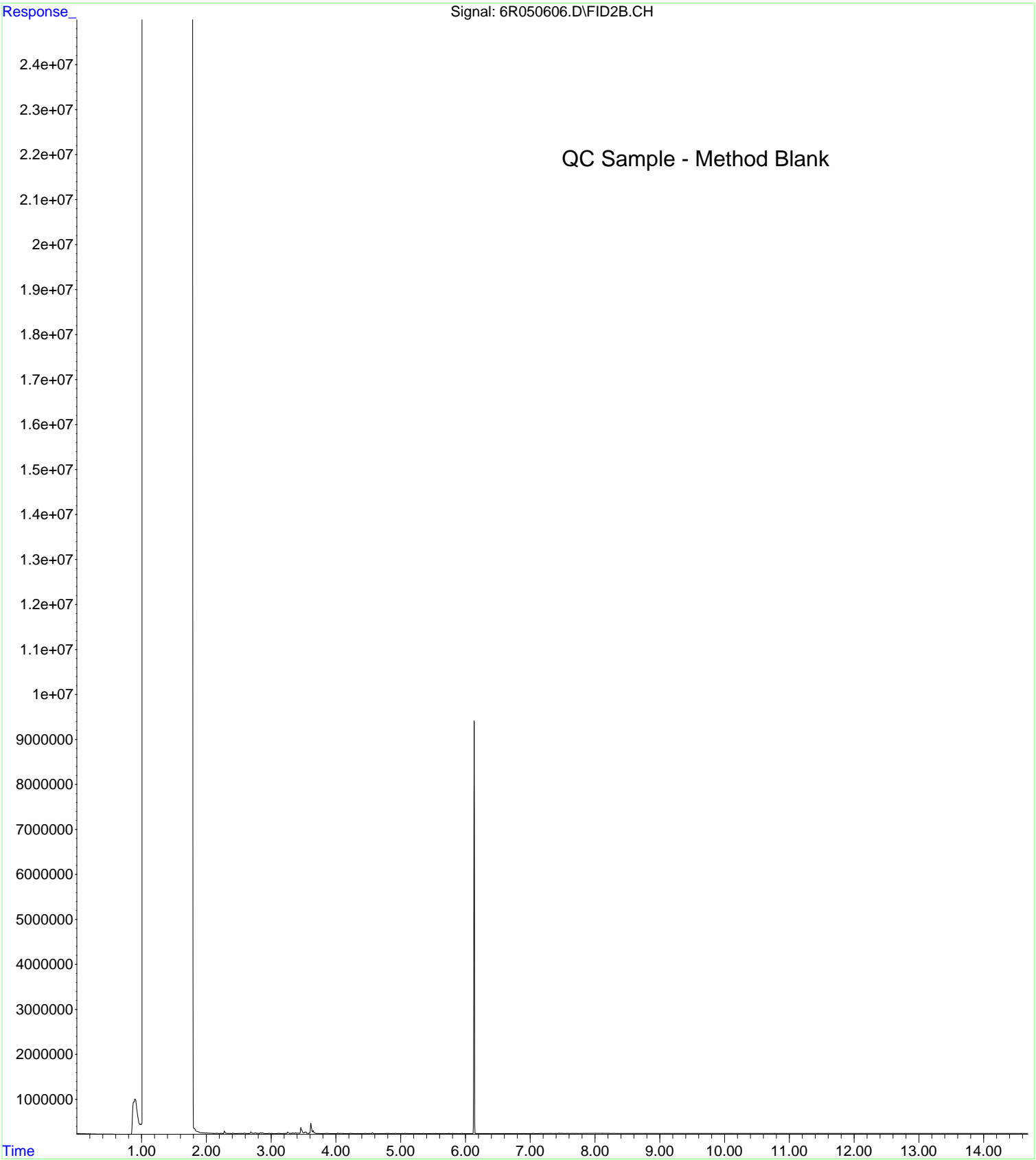
File :C:\msdchem\1\data\4E06050\6R050614.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 7:43 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-07  
Misc Info :  
Vial Number: 57



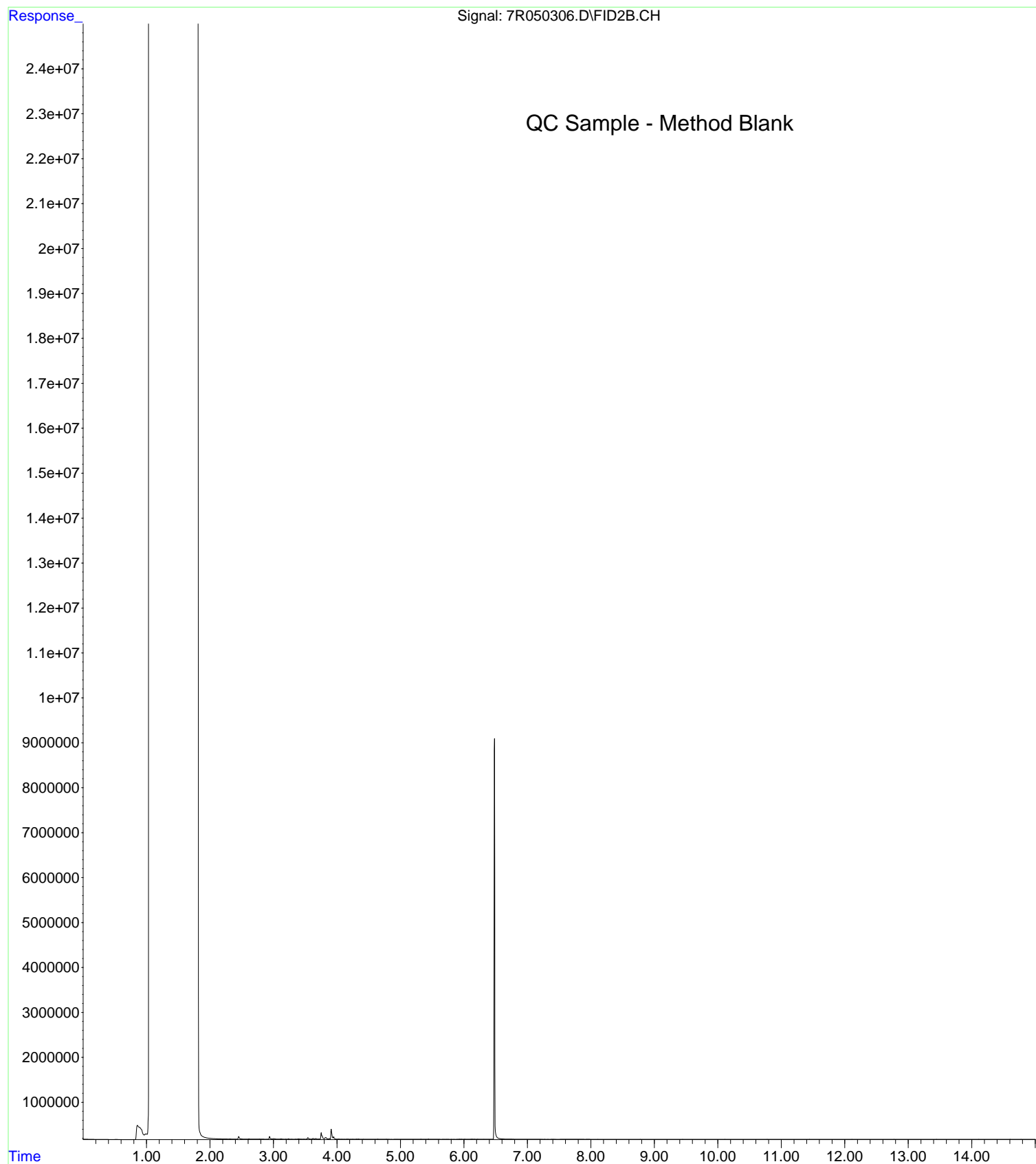
File :C:\msdchem\1\data\4E06050\6R050616.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 8:23 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-08  
Misc Info :  
Vial Number: 58



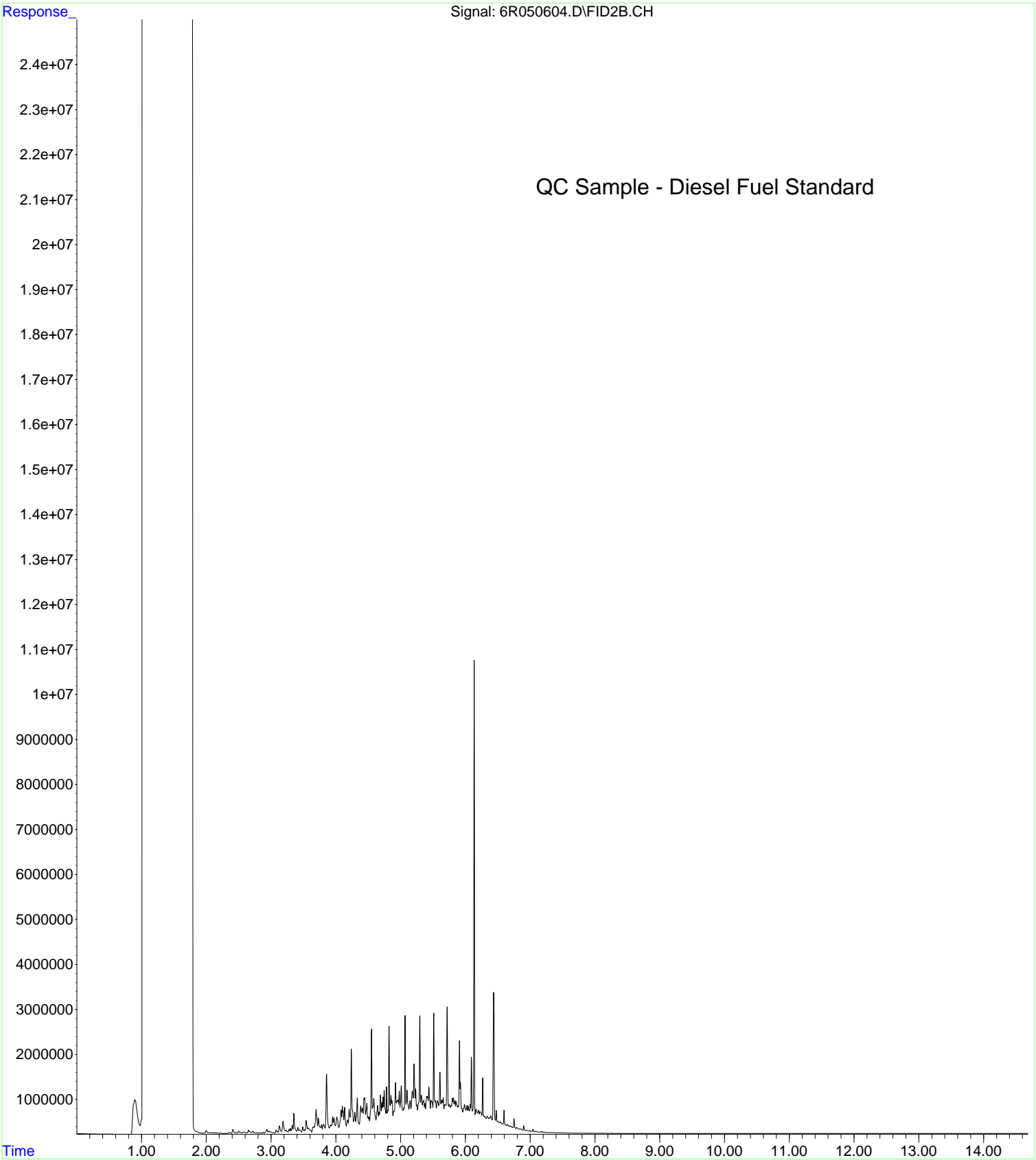
File :C:\msdchem\1\data\4E06050\6R050606.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 5:00 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 24E0176-BLK1  
Misc Info :  
Vial Number: 51



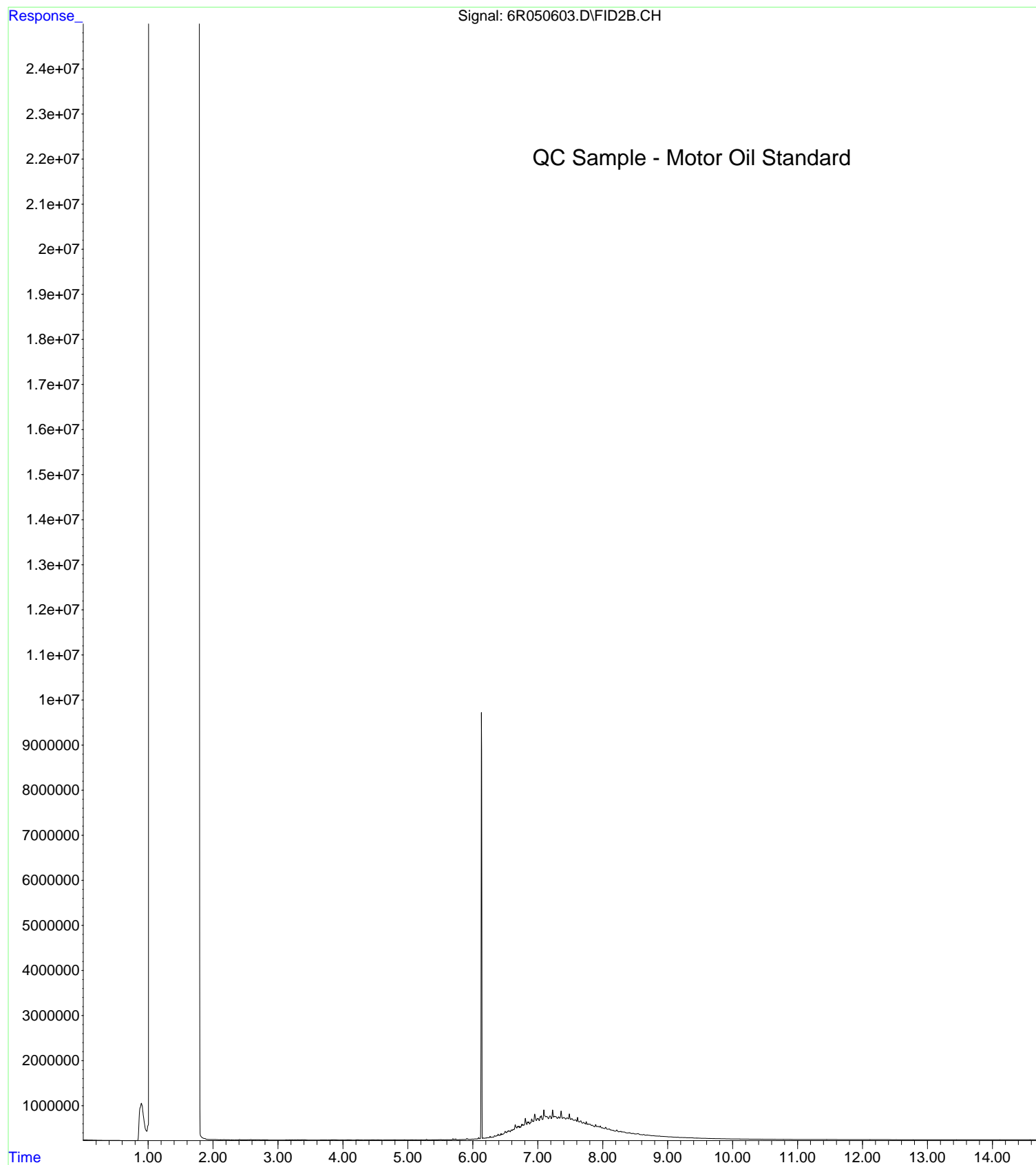
File :C:\msdchem\1\data\4E03035\7R050306.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 7:18 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 24E0126-BLK1  
Misc Info :  
Vial Number: 53



File :C:\msdchem\1\data\4E06050\6R050604.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 2:28 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 4E06050-CCV2  
Misc Info :  
Vial Number: 1

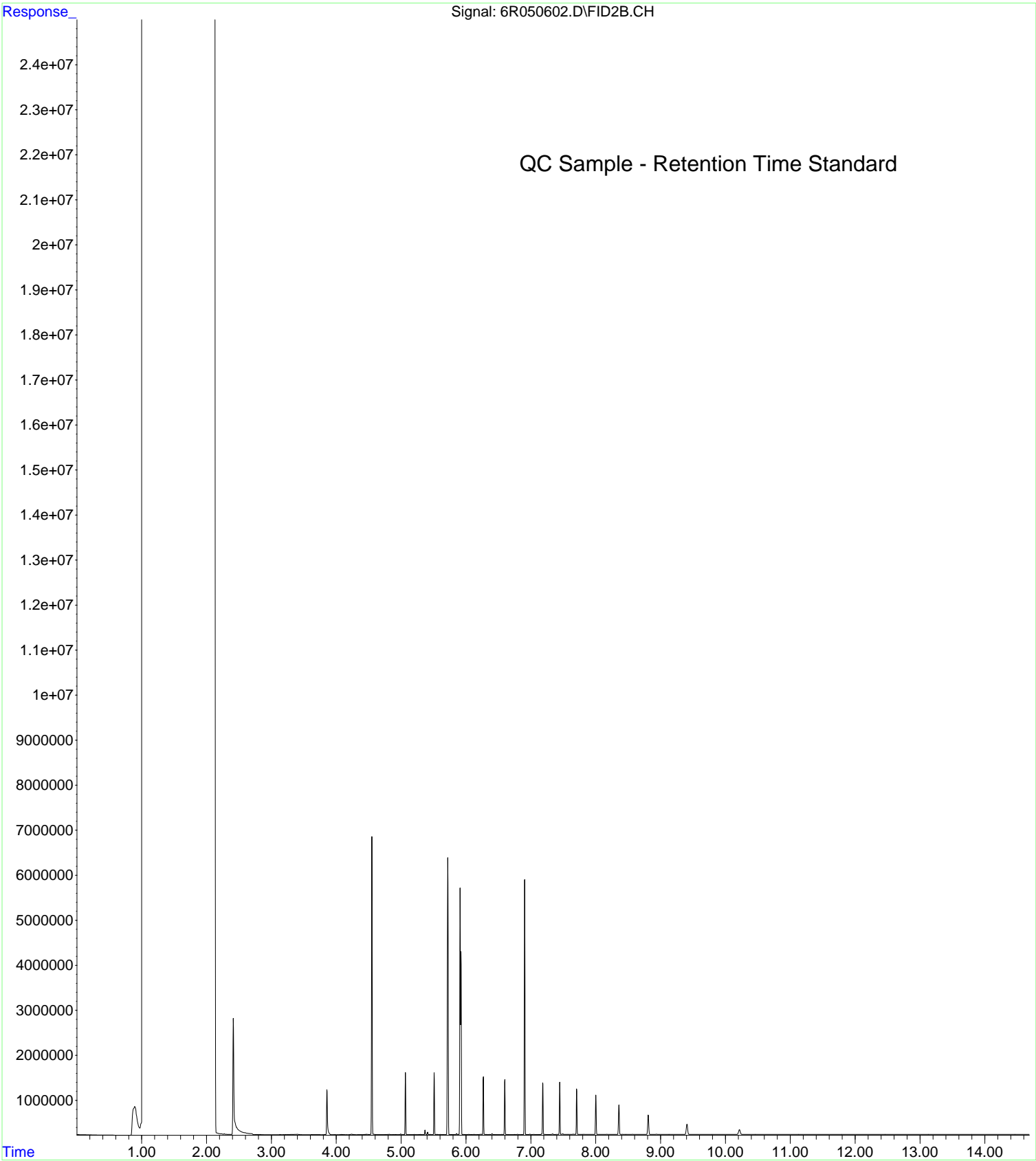


File :C:\msdchem\1\data\4E06050\6R050603.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 2:07 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 4E06050-CCV1  
Misc Info :  
Vial Number: 2

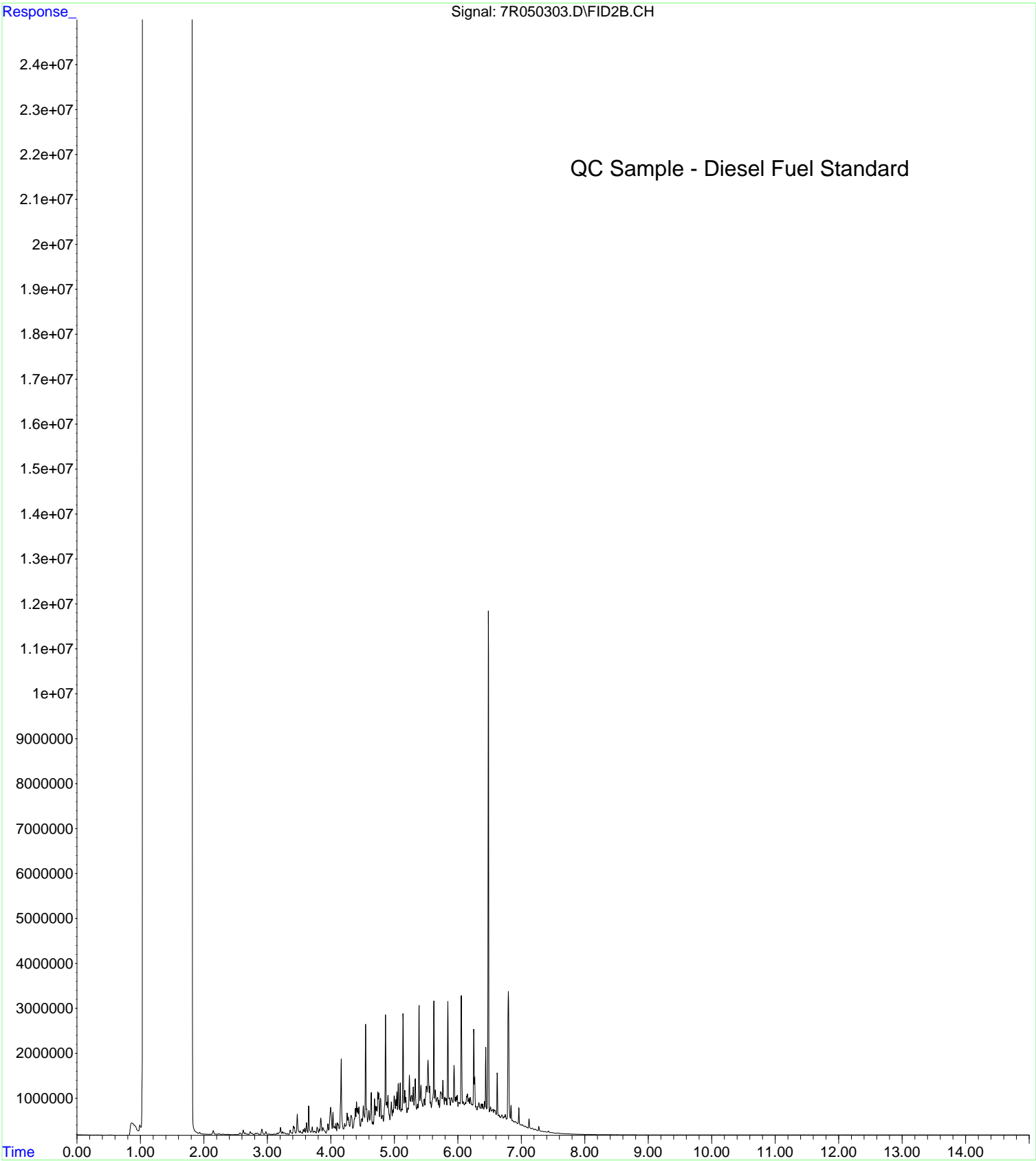




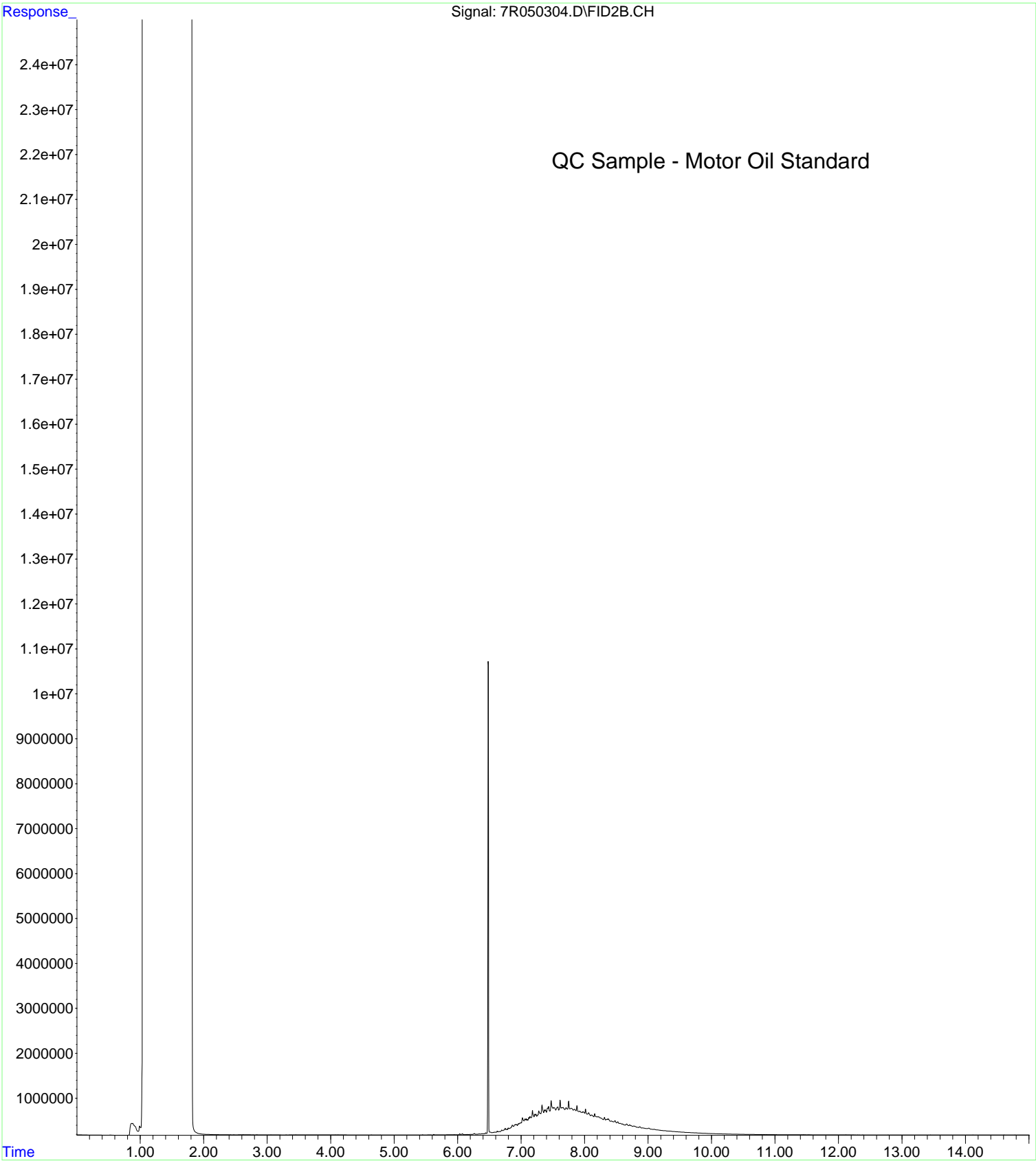
File :C:\msdchem\1\data\4E06050\6R050602.D  
Operator : BLL/BJY  
Acquired : 06 May 2024 1:47 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 4E06050-RES1  
Misc Info :  
Vial Number: 95



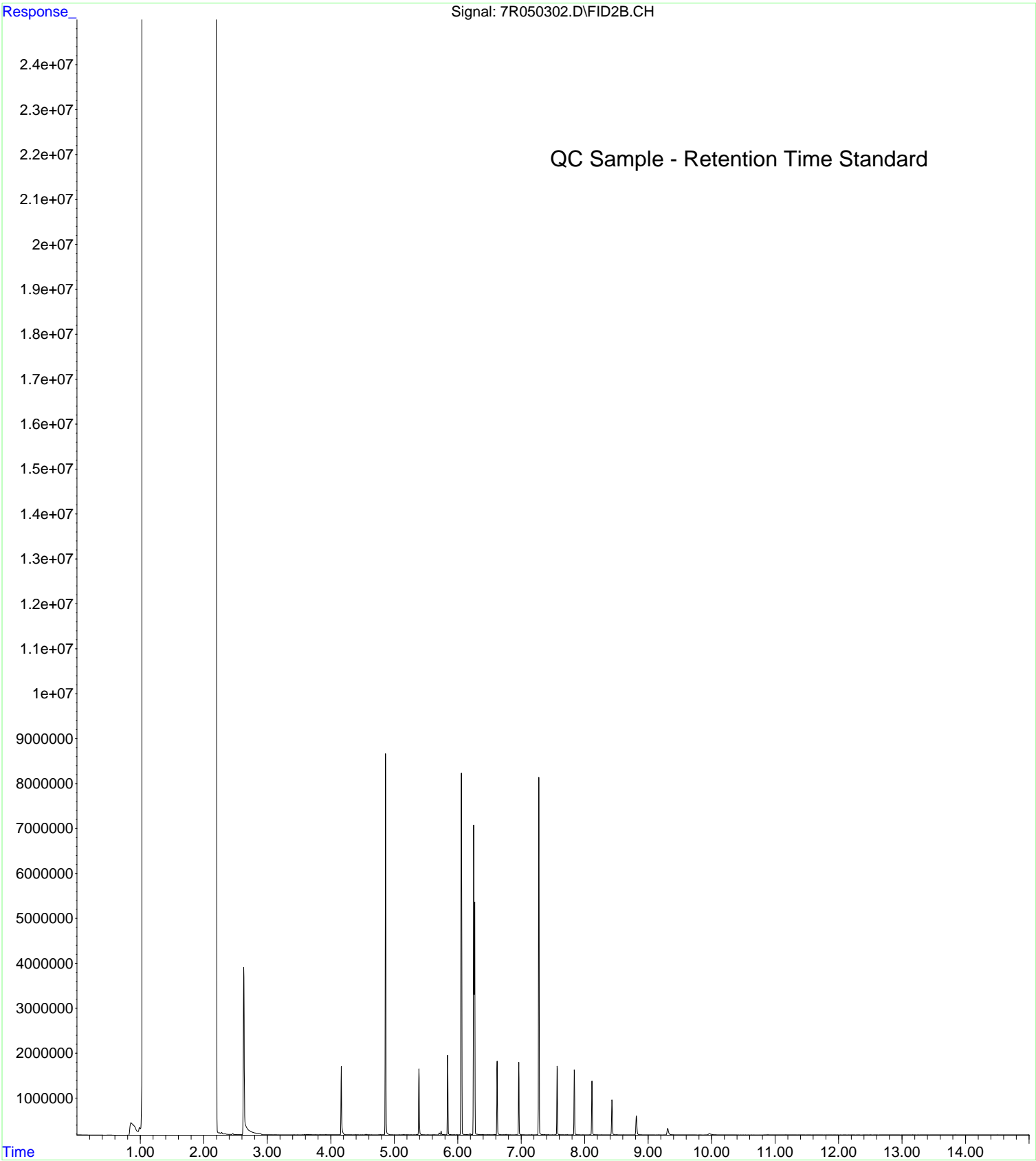
File :C:\msdchem\1\data\4E03035\7R050303.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 3:08 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 4E03035-CCV1  
Misc Info :  
Vial Number: 51



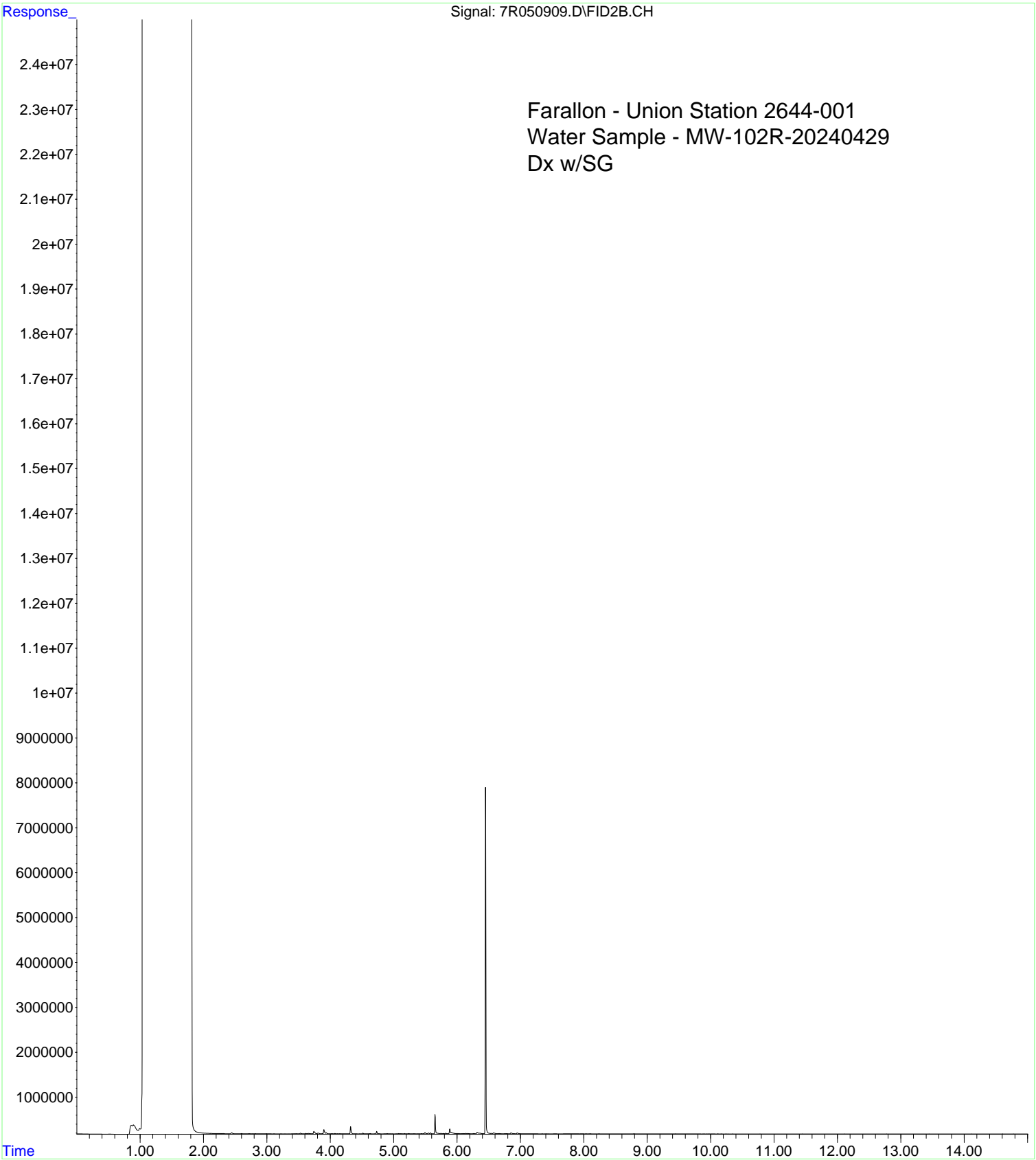
File :C:\msdchem\1\data\4E03035\7R050304.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 3:29 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 4E03035-CCV2  
Misc Info :  
Vial Number: 52



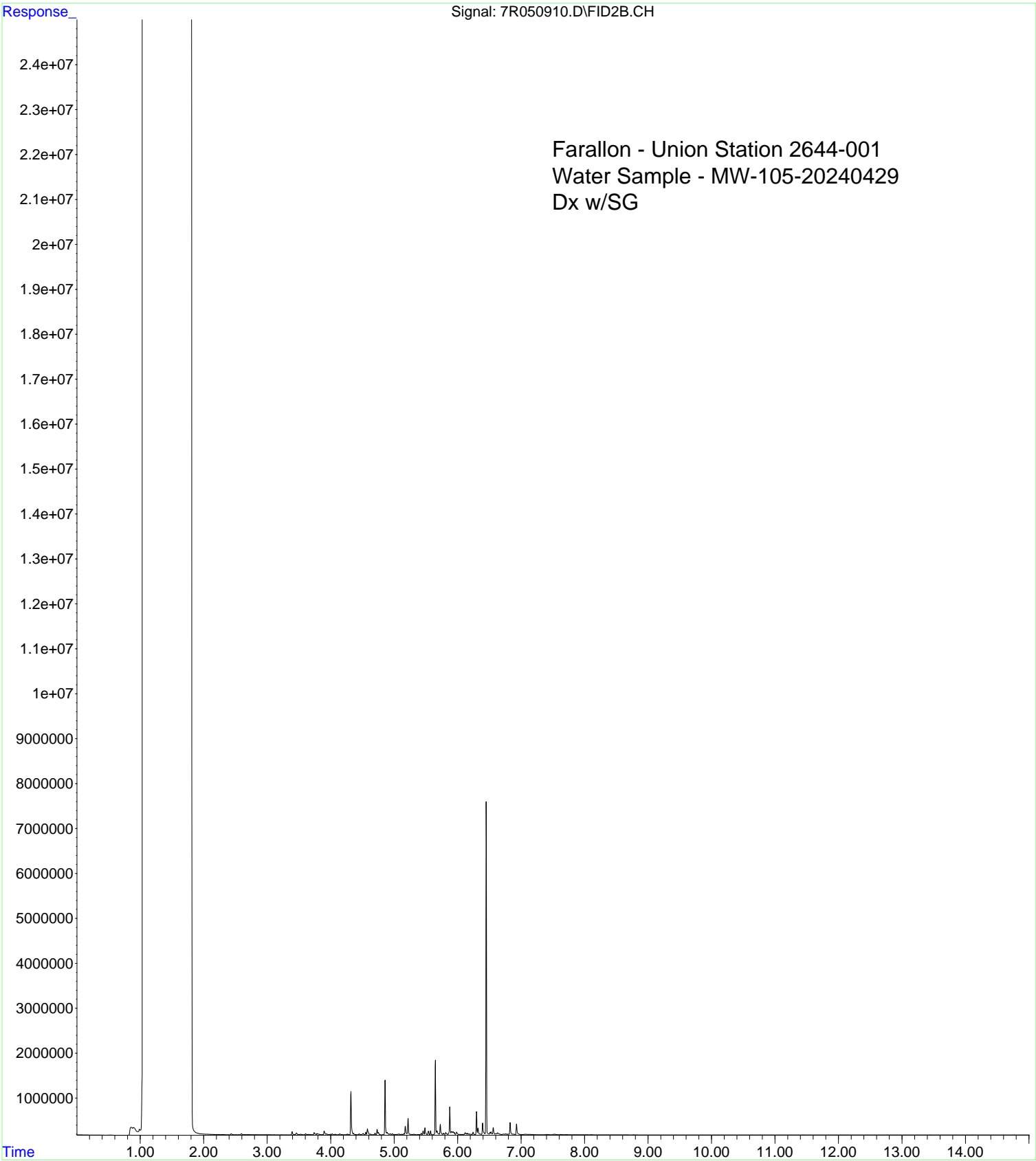
File :C:\msdchem\1\data\4E03035\7R050302.D  
Operator : BLL/BJY  
Acquired : 03 May 2024 2:47 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 4E03035-RES1  
Misc Info :  
Vial Number: 95



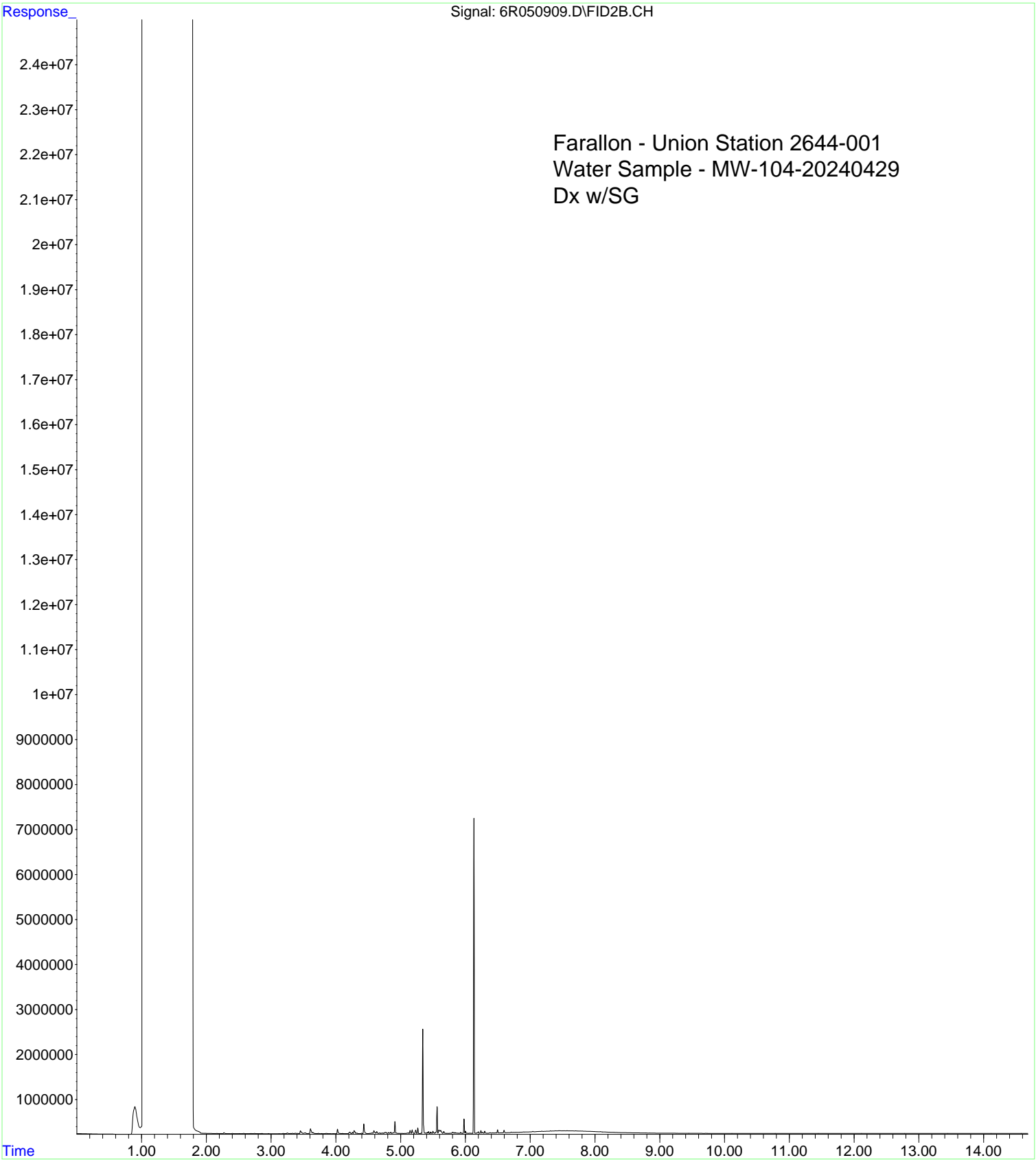
File :C:\msdchem\1\data\4E09084\7R050909.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 8:22 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: A4D1728-01  
Misc Info :  
Vial Number: 56



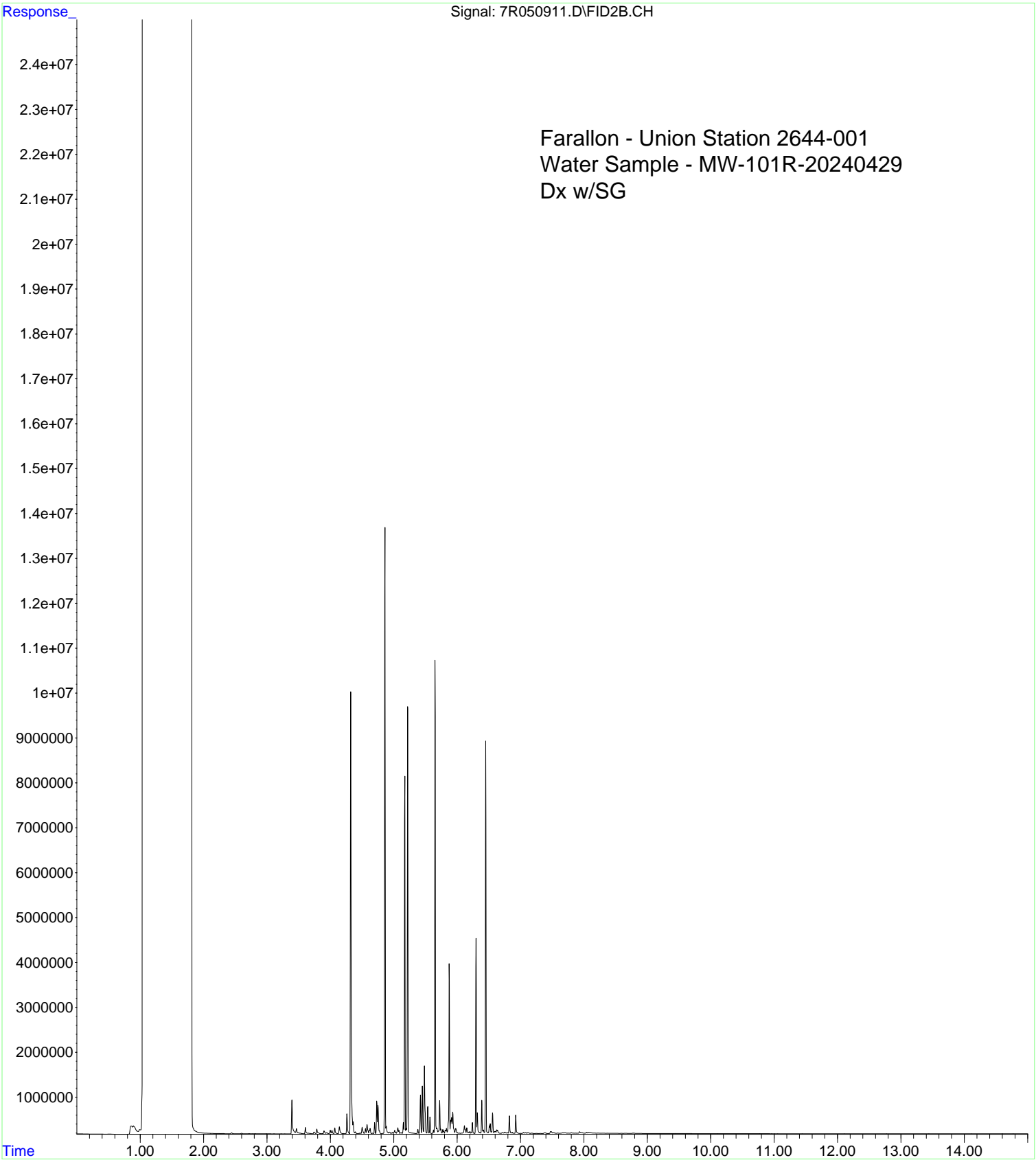
File :C:\msdchem\1\data\4E09084\7R050910.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 8:42 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: A4D1728-02  
Misc Info :  
Vial Number: 57



File :C:\msdchem\1\data\4E09082\6R050909.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 8:26 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-03  
Misc Info :  
Vial Number: 54

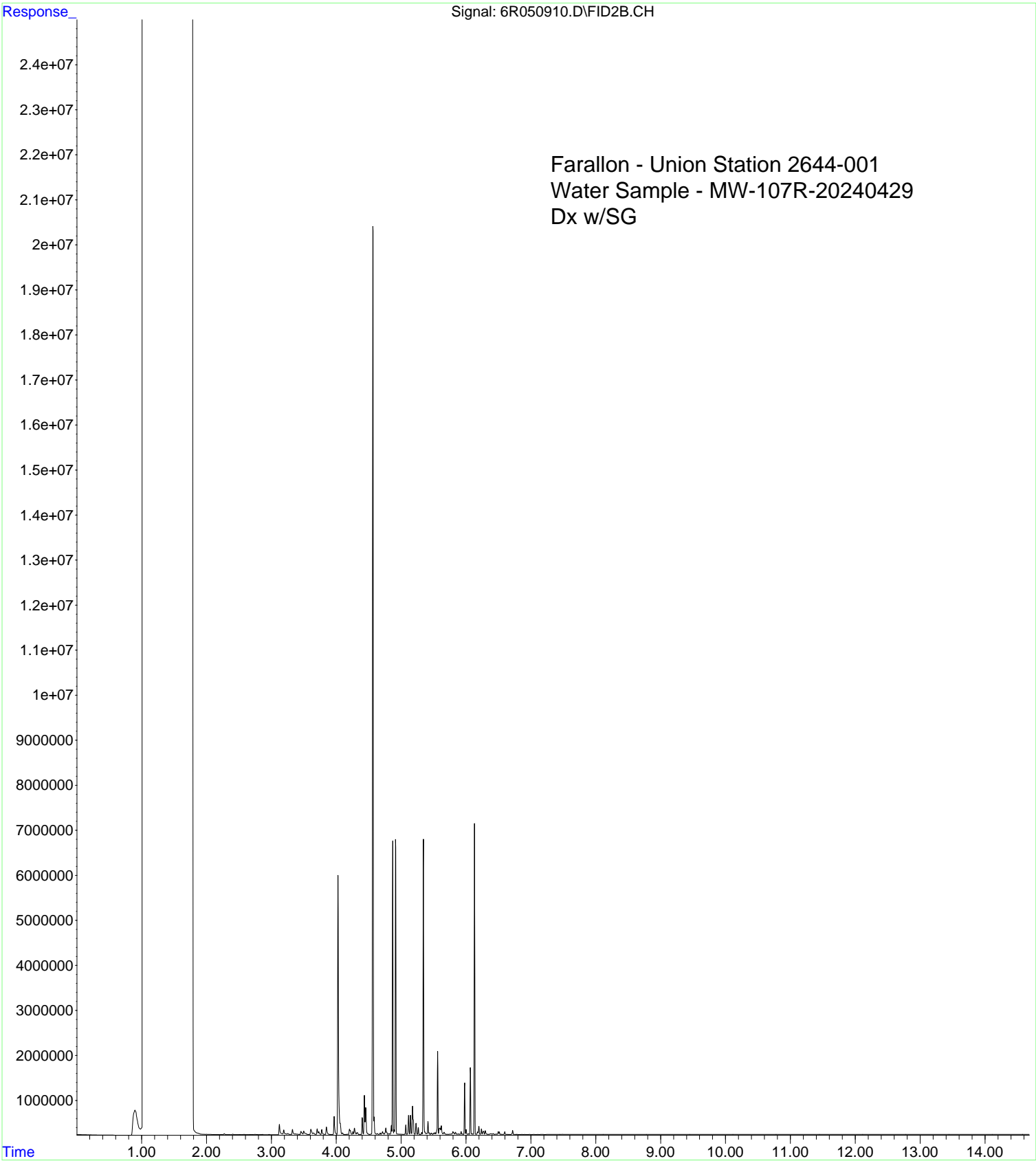


File :C:\msdchem\1\data\4E09084\7R050911.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 9:03 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: A4D1728-04  
Misc Info :  
Vial Number: 58

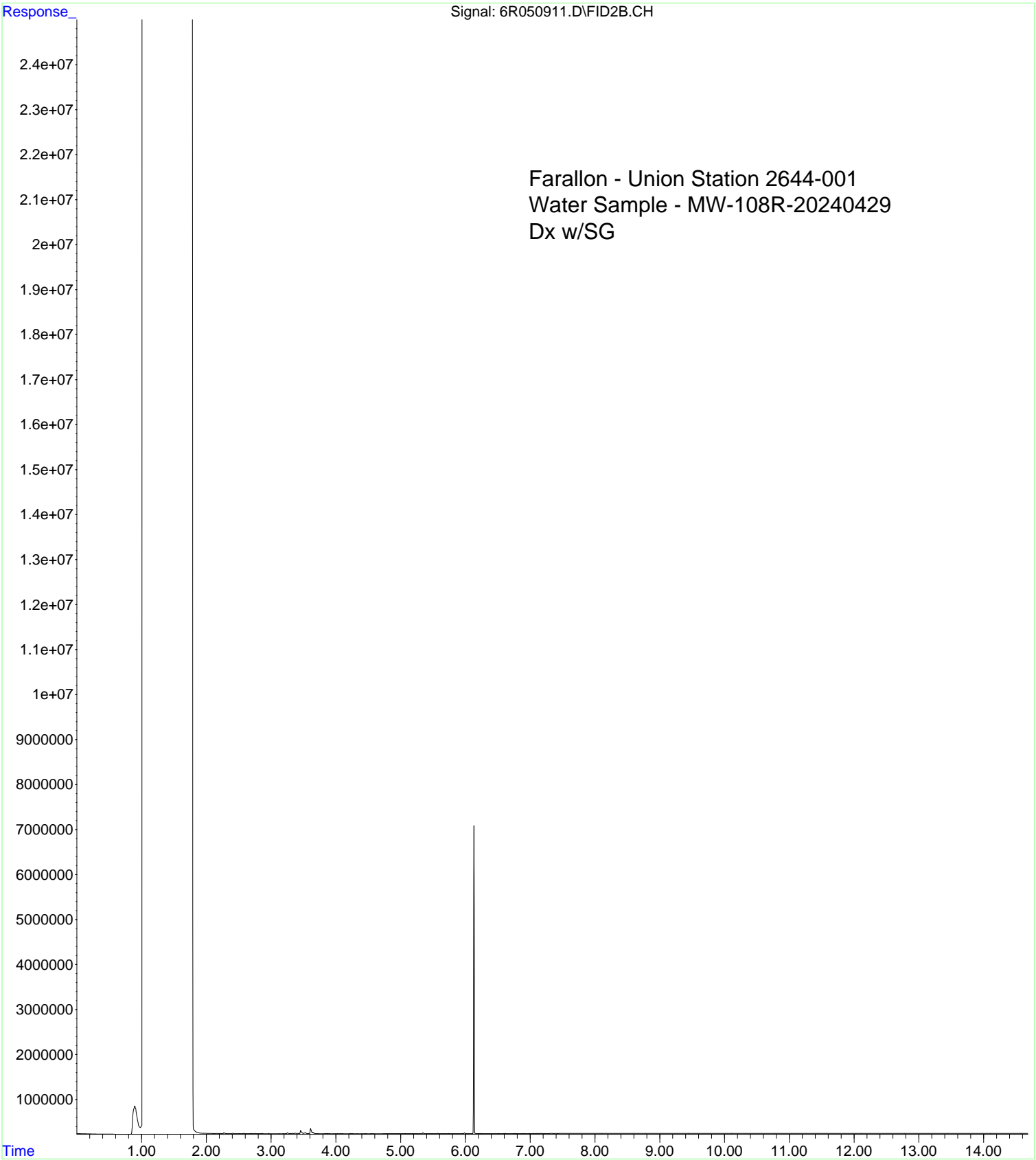




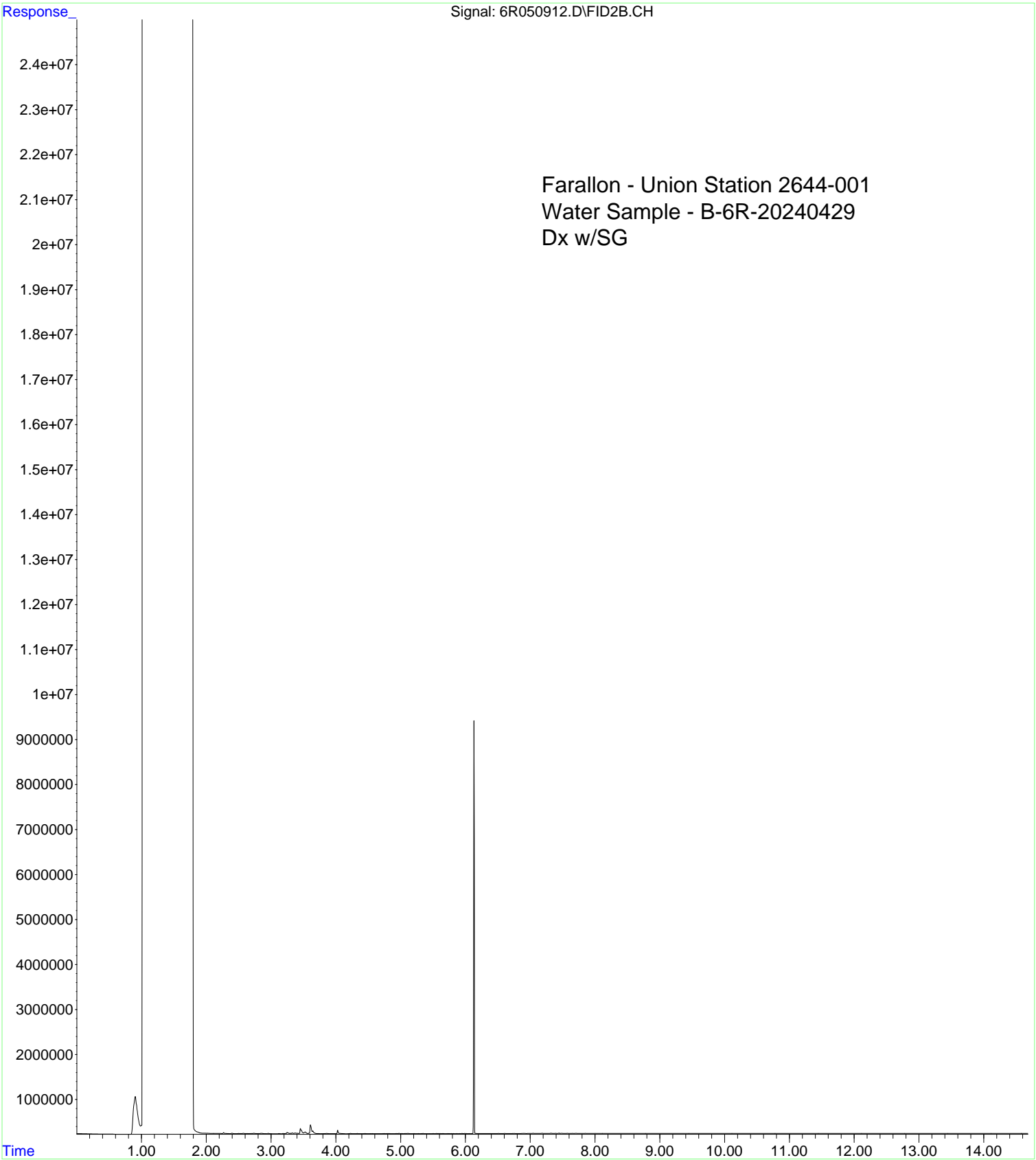
File :C:\msdchem\1\data\4E09082\6R050910.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 8:47 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-05  
Misc Info :  
Vial Number: 55



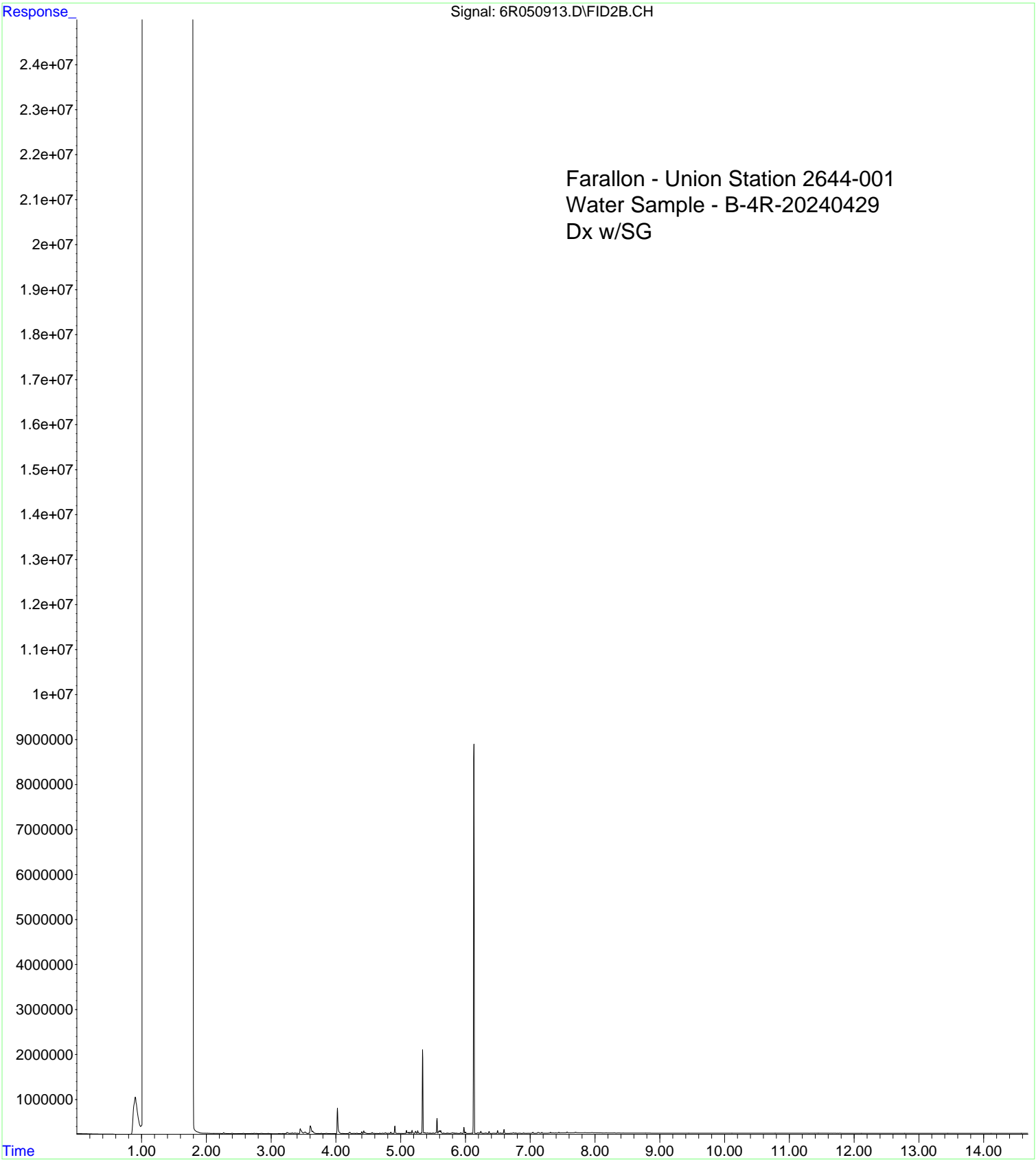
File :C:\msdchem\1\data\4E09082\6R050911.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 9:07 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-06  
Misc Info :  
Vial Number: 56



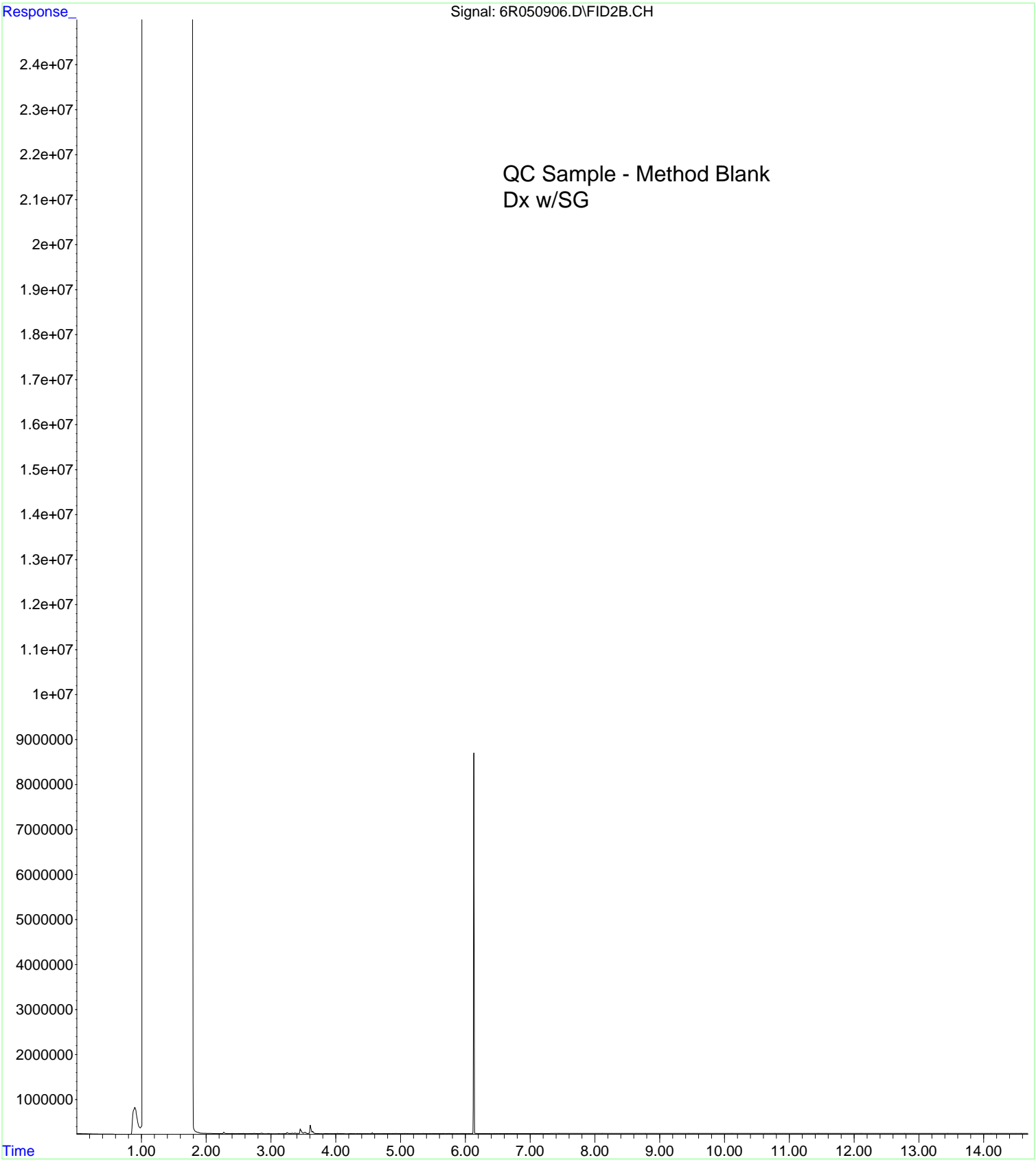
File :C:\msdchem\1\data\4E09082\6R050912.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 9:28 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-07  
Misc Info :  
Vial Number: 57



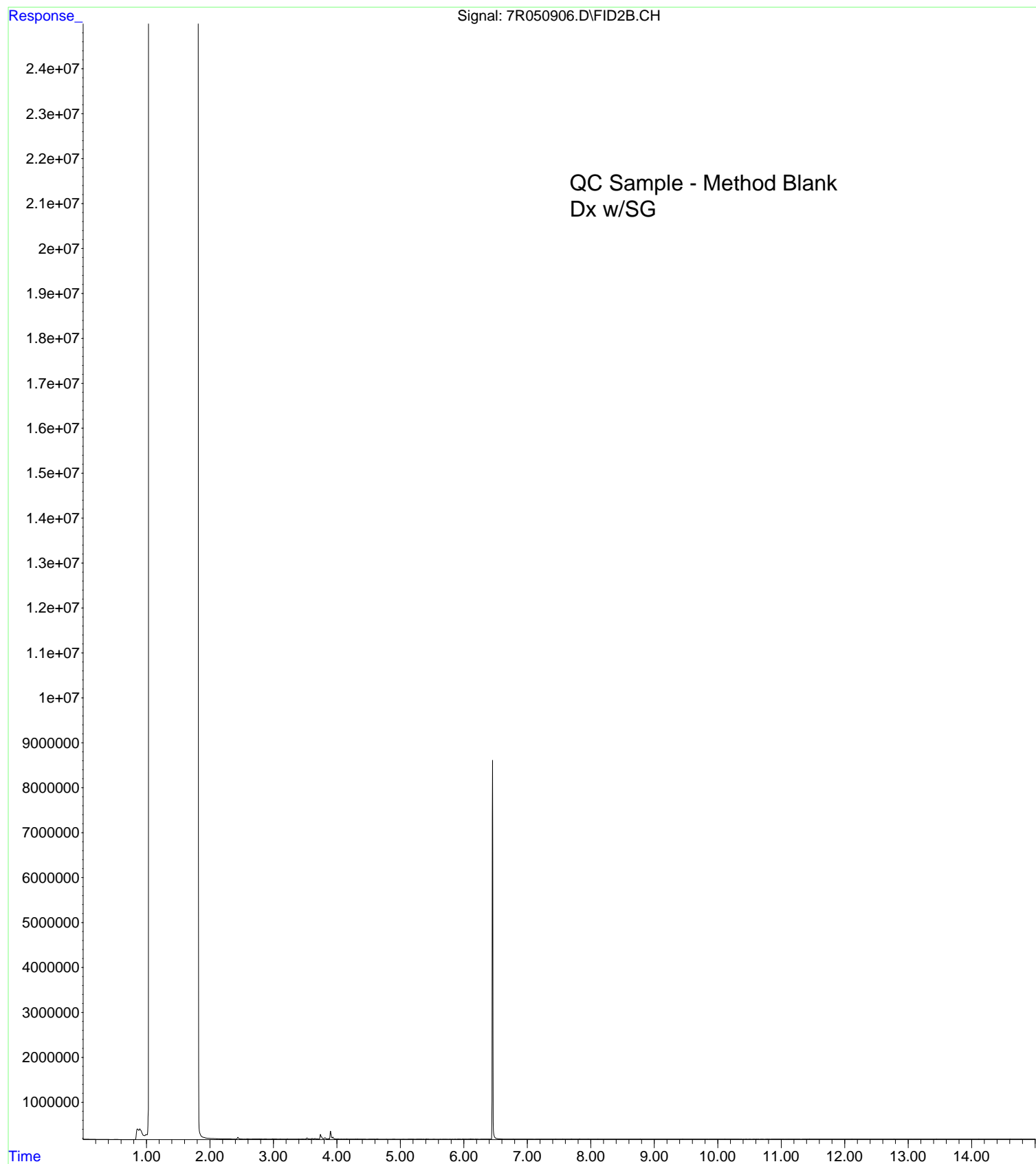
File :C:\msdchem\1\data\4E09082\6R050913.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 9:48 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: A4D1728-08  
Misc Info :  
Vial Number: 58



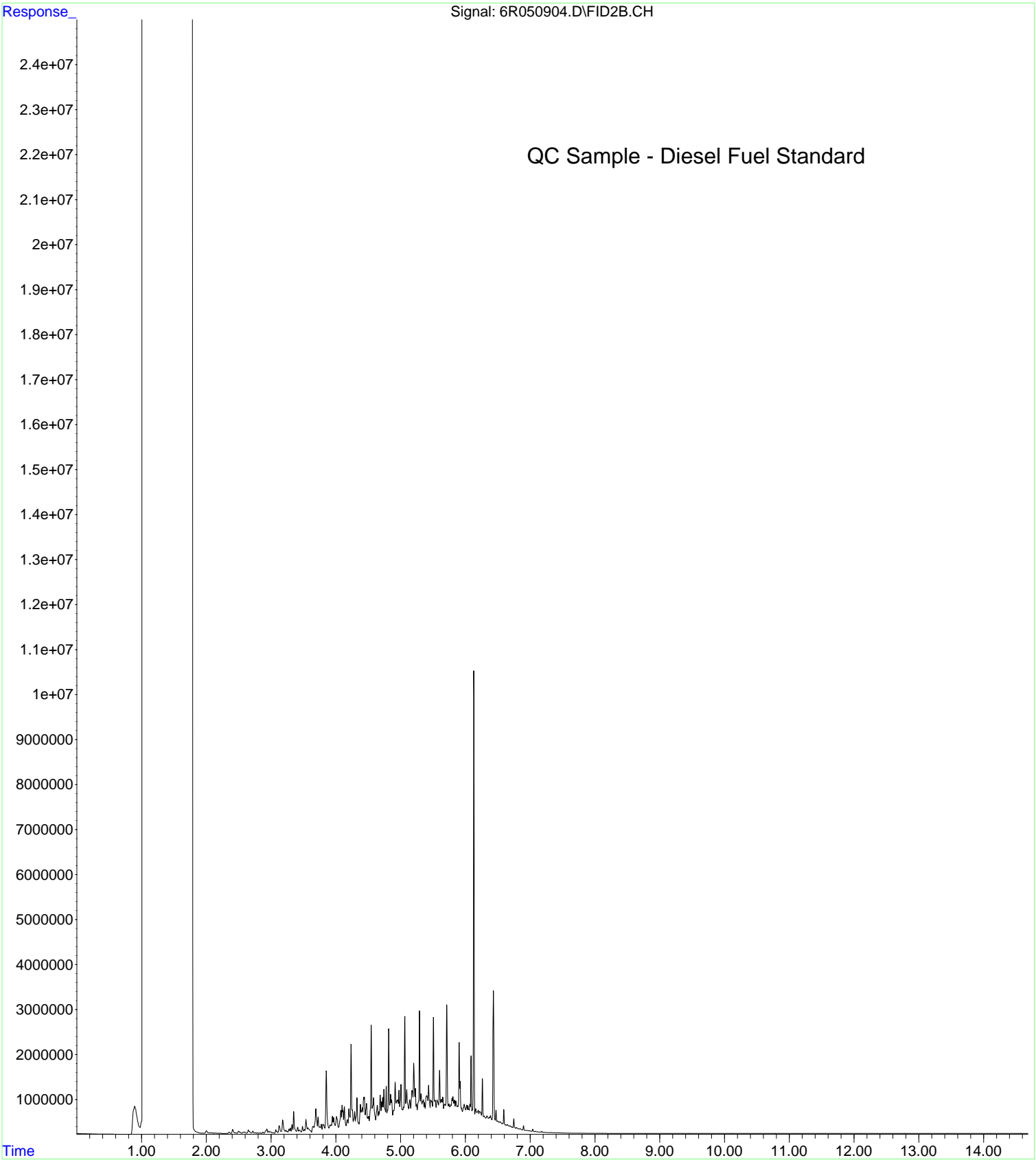
File :C:\msdchem\1\data\4E09082\6R050906.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 7:25 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 24E0355-BLK1  
Misc Info :  
Vial Number: 51



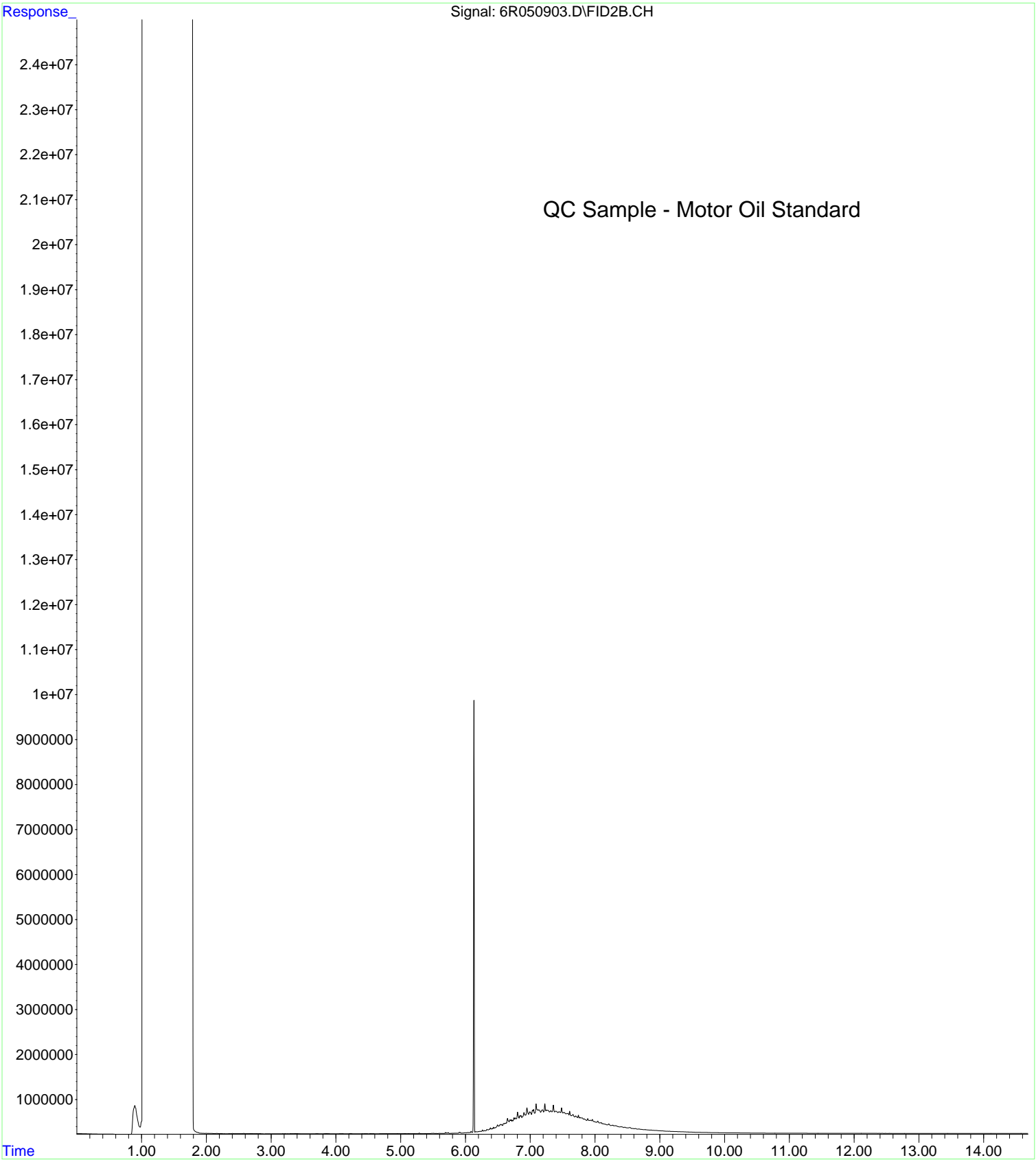
File :C:\msdchem\1\data\4E09084\7R050906.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 7:19 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 24E0354-BLK1  
Misc Info :  
Vial Number: 53



File :C:\msdchem\1\data\4E09082\6R050904.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 4:21 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 4E09082-CCV2  
Misc Info :  
Vial Number: 1

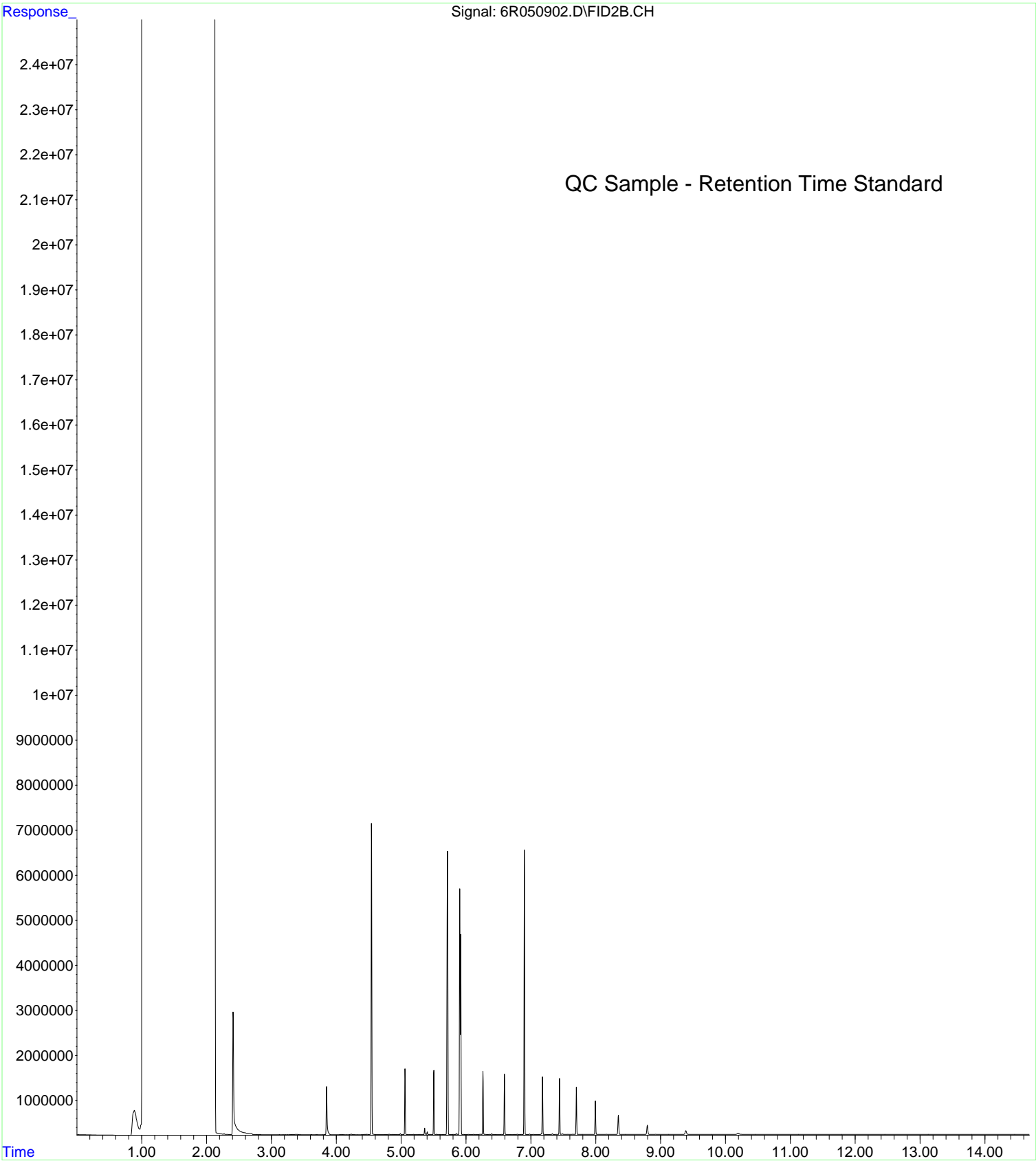


File :C:\msdchem\1\data\4E09082\6R050903.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 4:00 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 4E09082-CCV1  
Misc Info :  
Vial Number: 2

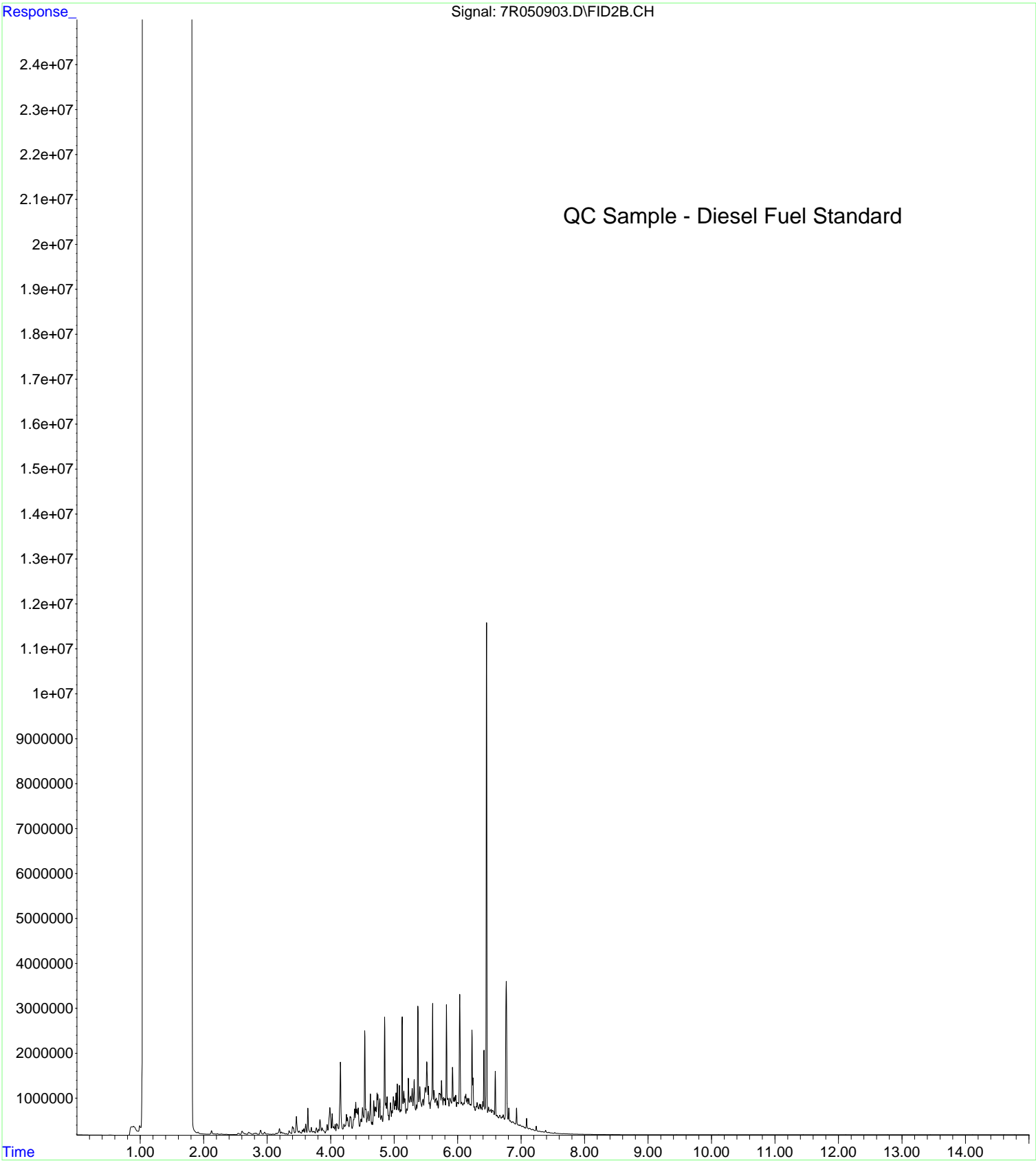




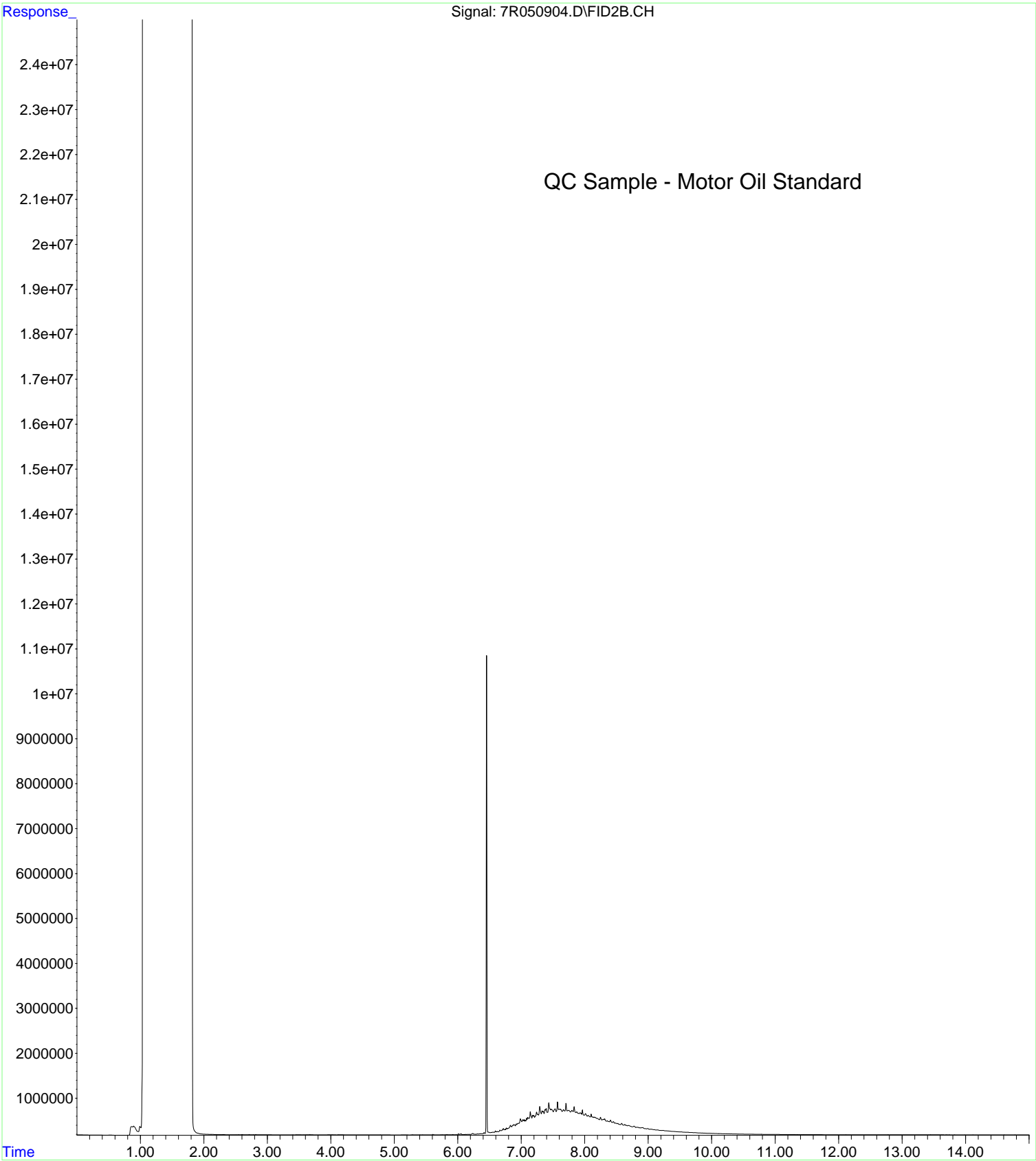
File :C:\msdchem\1\data\4E09082\6R050902.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 3:40 pm using AcqMethod 6F71215A.M  
Instrument : HP G1530A  
Sample Name: 4E09082-RES1  
Misc Info :  
Vial Number: 95



File :C:\msdchem\1\data\4E09084\7R050903.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 4:00 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 4E09084-CCV1  
Misc Info :  
Vial Number: 51



File :C:\msdchem\1\data\4E09084\7R050904.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 4:21 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 4E09084-CCV2  
Misc Info :  
Vial Number: 52



File :C:\msdchem\1\data\4E09084\7R050902.D  
Operator : BLL/BJY  
Acquired : 09 May 2024 3:40 pm using AcqMethod FID7ACQ.M  
Instrument : HP G1530A  
Sample Name: 4E09084-RES1  
Misc Info :  
Vial Number: 95

