



January 22, 2024

Dale Myers
Washington State Department of Ecology
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, WA 98133

Re: Progress Report No. 21 – 4th Quarter 2023

Texaco Strickland Cleanup Site
6808 196th Street SW
Lynnwood, Washington 98036
Agreed Order No. 14315
Ecology PM – Dale Myers
Aspect Project No. 180357

Dear Dale:

Aspect Consulting (Aspect), prepared Progress Report No. 21 on behalf of potentially liable persons (PLPs) Strickland Real Estate Holdings (SREH) and Chevron Environmental Management Company (CEMC), who are signatories to Washington State Department of Ecology (Ecology) Agreed Order (AO) #14315, effective September 10, 2018, for the Texaco Strickland Site (Site). The AO requires that the PLPs submit quarterly progress reports to Ecology until satisfaction of the AO.

This Progress Report No. 21 is for the 4th quarter 2023 reporting period ending on December 31, 2023.

Progress Made During the Reporting Period

The following sections detail the progress during the reporting period.

- During the August groundwater monitoring event, MW-17 was missing a cap and the monument filled with sediment. Aspect subcontracted traffic control for lane closure and a driller to repair and sample MW-17 on November 2, 2023. This result is included in Table 1 and the laboratory analytical report in Attachment A.
- The second quarter of post-IA groundwater monitoring occurred on November 28 and 30, 2023, and the laboratory analytical report is included in Attachment A. All results from both post-IA groundwater monitoring events comply with MTCA Method A groundwater cleanup levels (Table 1).
- Chri-Mar Building crawlspace ventilation O&M visits occurred on October 20, November 28, and December 28, 2023. Each O&M visit confirmed the fan is functional, and inducing a vacuum in the crawlspace.



- The results of indoor air, crawlspace, and ambient air sampling conducted on September 28 and 29, 2023, are attached in Table 2 and Attachment C. The results are consistent with conclusions in the Ecology-approved Remedial Investigation Report that indoor air exceedances 1) do not correlate with crawlspace exceedances, and 2) are not a result of vapor intrusion from the Site (Aspect, 2023a).
- Indoor air, crawlspace, and ambient air sampling was conducted again on November 28 and 29, 2023, in accordance with the Ecology-approved Ventilation Work Plan (Aspect, 2023b). The results will be reported to Ecology in the next quarterly progress report.

Sampling and/or Testing Reports Received

All analytical results in progress reporting period are attached.

Summary of Deviations

There have been no deviations from the AO during this reporting period.

Contacts with Other Entities or Public

There has been no contact with other entities or the public during this reporting period.

Potential Problems and Suggested Solutions

No potential problems are anticipated for 1st quarter 2024 activities.

Changes in Key Personnel

No changes in key personnel occurred during the 4th quarter 2023.

Activities Planned for the Next Reporting Period

The following activities are planned for the 1st quarter 2024:

- The Public Review Draft RI Report will be transmitted to Ecology within 30 days of validated groundwater data being received.
- The 3rd quarter of post-IA groundwater monitoring event is scheduled for February 28 and 29, 2024.
- The draft Jiffy Lube Site Cleanup Action Memorandum will be transmitted to Ecology.
- A technical meeting to discuss the Feasibility Study and draft Cleanup Action Plan, the remaining Agreed Order deliverables.

The next quarterly progress report will be submitted on or before April 15, 2024.

If you have any questions concerning this progress report, please contact Adam Griffin at 206-780-7746.

Sincerely,

Aspect Consulting, LLC



Adam Griffin, PE
Principal Engineer
agriffin@aspectconsulting.com

References:

- Aspect Consulting, LLC (Aspect), 2023a, Agency Review Draft Remedial Investigation Report, Texaco Strickland Site, draft July 14, 2023.
- Aspect Consulting, LLC (Aspect), 2023b, Ventilation Work Plan, Texaco Strickland Site, draft January 6, 2023.

Attachments:

- Table 1 - Groundwater Compliance Monitoring Results
- Table 2 - Ambient, Crawlspace, and Indoor Air Analytical Results – September 2023
- Attachment A – Laboratory Reports

cc: Ryan Megenity – Rainier Property Management Co. LLC
Doug Steding – Northwest Resource Law PLLC
Nate Blomgren – Chevron Environmental Management Company
Jon-Erik Magnus – Rogers Joseph O’Donnell PLLC
Robert Goodman – Rogers Joseph O’Donnell PLLC
Eric Epple – Arcadis
Ada Hamilton – Arcadis

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TABLES

Table 1. Groundwater Compliance Monitoring Results

UNVALIDATED DRAFT RESULTS

Project No. 180357, Texaco Strickland, Lynnwood, Washington

Analyte	Unit	Location Date Site Cleanup Level	MW-16	MW-16	MW-17	MW-17	MW-18R	MW-18R	MW-19	MW-19
			08/31/2023	11/30/2023	11/02/2023	11/30/2023	08/30/2023	11/28/2023	08/30/2023	11/28/2023
TPHs										
Gasoline Range Organics	ug/L	800	380	490	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Diesel Range Organics	ug/L	500	100 X	220 X	98 X	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Motor Oil Range Organics	ug/L	500	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U
Diesel and Oil Extended Range Organics	ug/L	500	100 X	220 X	98 X	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U
BTEX										
Benzene	ug/L	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
Toluene	ug/L	1000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	1000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
PAHs										
Naphthalene	ug/L	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes

- Bold** - analyte detected above the laboratory reporting limit
- U - Analyte not detected at or above Reporting Limit (RL) shown
- X - Chromatographic pattern does not match fuel standard used for quantitation
- Site Cleanup Levels are MTCA Method A groundwater cleanup levels

Table 1. Groundwater Compliance Monitoring Results

UNVALIDATED DRAFT RESULTS

Project No. 180357, Texaco Strickland, Lynnwood, Washington

Analyte	Unit	Location Date Site Cleanup Level	MW-25R	MW-25R	MW-26	MW-26	MW-27	MW-29	MW-29	MW-30
			08/30/2023	11/28/2023	08/30/2023	11/28/2023	11/28/2023	08/30/2023	11/30/2023	08/30/2023
TPHs										
Gasoline Range Organics	ug/L	800	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Diesel Range Organics	ug/L	500	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	77 X	110 X	83 X
Motor Oil Range Organics	ug/L	500	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U
Diesel and Oil Extended Range Organics	ug/L	500	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	77 X	110 X	83 X
BTEX										
Benzene	ug/L	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	0.52	< 0.35 U	< 0.35 U
Toluene	ug/L	1000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	1000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
PAHs										
Naphthalene	ug/L	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes

- Bold** - analyte detected above the laboratory reporting limit
- U - Analyte not detected at or above Reporting Limit (RL) shown
- X - Chromatographic pattern does not match fuel standard used for quantitation
- Site Cleanup Levels are MTCA Method A groundwater cleanup levels

Table 1. Groundwater Compliance Monitoring Results

Project No. 180357, Texaco Strickland, Lynnwood, Washington

Analyte	Unit	Location Date Site Cleanup Level	MW-30	MW-31	MW-31	MW-32	MW-32
			11/28/2023	08/30/2023	11/28/2023	08/31/2023	11/28/2023
TPHs							
Gasoline Range Organics	ug/L	800	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Diesel Range Organics	ug/L	500	69 X	< 50 U	< 50 U	< 50 U	< 50 U
Motor Oil Range Organics	ug/L	500	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U
Diesel and Oil Extended Range Organics	ug/L	500	69 X	< 250 U	< 250 U	< 250 U	< 250 U
BTEX							
Benzene	ug/L	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
Toluene	ug/L	1000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	ug/L	700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	ug/L	1000	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
PAHs							
Naphthalene	ug/L	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes**Bold** - analyte detected above the laboratory reporting limit

U - Analyte not detected at or above Reporting Limit (RL) shown

X - Chromatographic pattern does not match fuel standard used for quantitation

Site Cleanup Levels are MTCA Method A groundwater cleanup levels

Table 2. Ambient, Crawlspace, and Indoor Air Analytical Results - September 2023

Project No. 180357, Texaco Strickland Site, Lynnwood, Washington

DRAFT

Chemical Name	Location/Unit	Ambient	Unit #125					
	Area	Outdoor	Crawlspace Beneath Bathroom	Living Room		Bathroom		
	Sample Type Sample ID	Background, Reported AMB-2-230928	Crawlspace, Reported CS-125-230928	Crawlspace, Net ⁽¹⁾ --	Indoor Air, Reported IA-125-1-230928	Indoor Air, Net ⁽¹⁾ --	Indoor Air, Reported IA-125-2-230928	Indoor Air, Net ⁽¹⁾ --
	MTC Method B CUL⁽²⁾ (Unrestricted Use)							
Petroleum Hydrocarbon Related Volatile Organic Compounds (µg/m3)								
Benzene	0.32	0.36	0.49	0.13	0.5	0.14	0.49	0.13
Toluene	2,300	< 7.5 U	< 7.5 U	ND	< 7.5 U	ND	< 7.5 U	ND
Ethylbenzene	460	< 0.43 U	< 0.43 U	ND	0.51	0.51	0.44	0.44
Total Xylenes	46	< 0.87 U	1.3	1.3	1.83	1.83	1.66	1.66
Naphthalene	0.074	0.25 J	0.14 J	ND	0.22 J	ND	0.21 J	ND
C5 - C8 Aliphatic Hydrocarbons		130	110	ND	91	ND	84	ND
C9 - C12 Aliphatic Hydrocarbons		< 25 U	< 25 U	ND	26	26	29	29
C9 - C10 Aromatic Hydrocarbons		< 25 U	< 25 U	ND	< 25 U	ND	< 25 U	ND
Total Petroleum Hydrocarbons ³	46	160 J	141 J	ND	137 J	28	133 J	31

Chemical Name	Location/Unit	Ambient	Unit #127					
	Area	Outdoor	Crawlspace Beneath Bathroom	Living Room		Bathroom		
	Sample Type Sample ID	Background, Reported AMB-2-230928	Crawlspace, Reported CS-127-230928	Crawlspace, Net ⁽¹⁾ --	Indoor Air, Reported IA-127-1-230928	Indoor Air, Net ⁽¹⁾ --	Indoor Air, Reported IA-127-2-230928	Indoor Air, Net ⁽¹⁾ --
	MTC Method B CUL⁽²⁾ (Unrestricted Use)							
Petroleum Hydrocarbon Related Volatile Organic Compounds (µg/m3)								
Benzene	0.32	0.36	0.5	0.14	0.94	0.58	0.95	0.59
Toluene	2,300	< 7.5 U	< 7.5 U	ND	< 7.5 U	ND	< 7.5 U	ND
Ethylbenzene	460	< 0.43 U	< 0.43 U	ND	1.1	1.1	1	1
Total Xylenes	46	< 0.87 U	1.3	1.3	3.8	3.8	3.9	3.9
Naphthalene	0.074	0.25 J	0.1 J	ND	0.28	0.03 J	0.3	0.05 J
C5 - C8 Aliphatic Hydrocarbons		130	140	10	130	ND	130	ND
C9 - C12 Aliphatic Hydrocarbons		< 25 U	< 25 U	ND	67	67	72	72
C9 - C10 Aromatic Hydrocarbons		< 25 U	< 25 U	ND	< 25 U	ND	< 25 U	ND
Total Petroleum Hydrocarbons ³	46	160 J	171 J	11	220	72.51 J	225	77.54 J

Table 2. Ambient, Crawlspace, and Indoor Air Analytical Results - September 2023

Project No. 180357, Texaco Strickland Site, Lynnwood, Washington

DRAFT

	Location/Unit	Ambient	Unit #129					
	Area	Outdoor	Crawlspace Beneath Bathroom	Living Room		Bathroom		
	Sample Type	Background, Reported	Crawlspace, Reported	Crawlspace, Net ⁽¹⁾	Indoor Air, Reported	Indoor Air, Net ⁽¹⁾	Indoor Air, Reported	Indoor Air, Net ⁽¹⁾
	Sample ID	AMB-2-230928	CS-129-230928		IA-129-1-230928	--	IA-129-2-230928	--
Chemical Name	MTCA Method B CUL ⁽²⁾ (Unrestricted Use)							
Petroleum Hydrocarbon Related Volatile Organic Compounds (µg/m3)								
Benzene	0.32	0.36	0.42	0.06	0.66	0.30	0.7	0.34
Toluene	2,300	< 7.5 U	< 7.5 U	ND	11	11	10	10
Ethylbenzene	460	< 0.43 U	< 0.43 U	ND	0.89	0.89	0.87	0.87
Total Xylenes	46	< 0.87 U	0.96	0.96	4.7	4.7	4.6	4.6
Naphthalene	0.074	0.25 J	0.14 J	ND	0.53	0.28 J	0.27	0.02 J
C5 - C8 Aliphatic Hydrocarbons		130	94	ND	100	ND	110	ND
C9 - C12 Aliphatic Hydrocarbons		< 25 U	< 25 U	ND	400	400	500	500
C9 - C10 Aromatic Hydrocarbons		< 25 U	< 25 U	ND	< 25 U	ND	< 25 U	ND
Total Petroleum Hydrocarbons ³	46	160 J	125 J	1.02	531	417.17 J	639	515.83 J

	Location/Unit	Ambient	Unit #131					
	Area	Outdoor	Crawlspace Beneath Bathroom	Living Room				
	Sample Type	Background, Reported	Crawlspace, Reported	Crawlspace, Net ⁽¹⁾	Indoor Air, Reported	Indoor Air, Net ⁽¹⁾	Field Duplicate	Indoor Air, Net ⁽¹⁾
	Sample ID	AMB-2-230928	CS-131-230928		IA-131-1-230928	--	IA-FD-230928	--
Chemical Name	MTCA Method B CUL ⁽²⁾ (Unrestricted Use)							
Petroleum Hydrocarbon Related Volatile Organic Compounds (µg/m3)								
Benzene	0.32	0.36	0.5	0.14	0.59	0.23	0.66	0.3
Toluene	2,300	< 7.5 U	< 7.5 U	ND	< 7.5 U	ND	< 7.5 U	ND
Ethylbenzene	460	< 0.43 U	< 0.43 U	ND	< 0.43 U	ND	< 0.43 U	ND
Total Xylenes	46	< 0.87 U	1.1	1.1	< 0.87 U	ND	< 0.87 U	ND
Naphthalene	0.074	0.25 J	0.14 J	ND	0.19 J	ND	0.22 J	ND
C5 - C8 Aliphatic Hydrocarbons		130	120	ND	86	ND	91	ND
C9 - C12 Aliphatic Hydrocarbons		< 25 U	< 25 U	ND	29	29	34	34
C9 - C10 Aromatic Hydrocarbons		< 25 U	< 25 U	ND	< 25 U	ND	< 25 U	ND
Total Petroleum Hydrocarbons ³	46	160 J	151 J	1.2	133 J	29.2	144 J	34

Table 2. Ambient, Crawlspace, and Indoor Air Analytical Results - September 2023

Project No. 180357, Texaco Strickland Site, Lynnwood, Washington

DRAFT

	Sample Type	Background, Reported	Active Ventilation
	Sample ID	AMB-2-230928	VS-EFF-230928
Chemical Name	MTCA Method B CUL ⁽²⁾ (Unrestricted Use)		
Petroleum Hydrocarbon Related Volatile Organic Compounds (µg/m3)			
Benzene	0.32	0.36	0.58
Toluene	2,300	< 7.5 U	< 7.5 U
Ethylbenzene	460	< 0.43 U	< 0.43 U
Total Xylenes	46	< 0.87 U	1.1
Naphthalene	0.074	0.25 J	0.2 J
C5 - C8 Aliphatic Hydrocarbons		130	100
C9 - C12 Aliphatic Hydrocarbons		< 25 U	< 25 U
C9 - C10 Aromatic Hydrocarbons		< 25 U	< 25 U
Total Petroleum Hydrocarbons ³	46	160 J	131 J

Notes:

Bold results indicate analyte was detected.

Blue-highlighted values exceed the MTCA Method B Indoor Air Cleanup Levels for Unrestricted Land Use; only ambient air, net crawlspace air, and net indoor air values are screened against the MTCA Method B Indoor Air Cleanup Levels.

µg/m3 = micrograms per cubic meter

-- = not applicable

U - Analyte not detected at or above Reporting Limit (RL) shown

J - Result value estimated

(1) Adjusted results were calculated by subtracting the crosswind ambient air result from the crawlspace or indoor air result. If the reported crawlspace or indoor air result was less than the upwind ambient air concentration or if a certain analyte was not detected in either the crawlspace or indoor air sample and the ambient air result, the net value is shown as ND and summed as zero in the Total Petroleum Hydrocarbon calculation.

(2) Model Toxic Control Act (MTCA) Method B Indoor Air Cleanup Levels (CULs), including the generic Total Petroleum Hydrocarbons CUL.

(3) Total petroleum hydrocarbon concentration is the sum total of volatile organic compounds and aliphatic and aromatic hydrocarbons; one-half of the laboratory reporting limit was used for non-detects in reported results. Non-detects in adjusted results (ND) were summed as zero.

Attachment A

Laboratory Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 17, 2023

Breeyn Greer, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Greer:

Included are the results from the testing of material submitted on September 29, 2023 from the Texaco-Strickland 180357, F&BI 309537 project. There are 34 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Aspect Data
ASP1017R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 29, 2023 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Texaco-Strickland 180357, F&BI 309537 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
309537 -01	IA-125-1-230928
309537 -02	IA-125-2-230928
309537 -03	IA-127-1-230928
309537 -04	IA-127-2-230928
309537 -05	IA-129-1-230928
309537 -06	IA-129-2-230928
309537 -07	IA-131-1-230928
309537 -08	IA-FD-230928
309537 -09	AMB-1-230928
309537 -10	AMB-2-230928
309537 -11	VS-EFF-230928
309537 -12	CS-125-230928
309537 -13	CS-127-230928
309537 -14	CS-129-230928
309537 -15	CS-131-230928

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

The APH EC5-8 aliphatics in samples IA-125-1-230928, IA-125-2-230928, IA-127-1-230928, IA-127-2-230928, IA-129-1-230928 and IA-129-2-230928 showed the presence of an interfering compound containing non-hydrocarbon isotopic abundances. The associated Q score was below 85 and the compound was deleted.

The APH EC9-12 aliphatics in samples CS-125-230928, CS-127-230928 and CS-129-230928 showed the presence of an interfering compound containing non-hydrocarbon isotopic abundances. The associated Q score was below 85 and the compound was deleted.

Sample AMB-1-230928 arrived with a vacuum of -30" Hg. The sample was not analyzed.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-125-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-01
Date Analyzed:	09/30/23	Data File:	092923.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	91
APH EC9-12 aliphatics	26
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-125-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-02
Date Analyzed:	09/30/23	Data File:	092922.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	95	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	84
APH EC9-12 aliphatics	29
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-127-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-03
Date Analyzed:	09/29/23	Data File:	092921.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	130
APH EC9-12 aliphatics	67
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-127-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-04
Date Analyzed:	09/29/23	Data File:	092920.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	97	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	130
APH EC9-12 aliphatics	72
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-129-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-05
Date Analyzed:	09/29/23	Data File:	092919.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	100
APH EC9-12 aliphatics	400
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-129-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-06
Date Analyzed:	09/29/23	Data File:	092918.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	110
APH EC9-12 aliphatics	500
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-131-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-07
Date Analyzed:	09/29/23	Data File:	092917.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	94	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	86
APH EC9-12 aliphatics	29
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	IA-FD-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-08
Date Analyzed:	09/29/23	Data File:	092916.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	91
APH EC9-12 aliphatics	34
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	AMB-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-10
Date Analyzed:	09/29/23	Data File:	092915.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	89	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	130
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	VS-EFF-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-11
Date Analyzed:	09/30/23	Data File:	092929.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	100
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	CS-125-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-12
Date Analyzed:	09/30/23	Data File:	092928.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	110
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	CS-127-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-13
Date Analyzed:	09/30/23	Data File:	092927.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	94	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	140
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	CS-129-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-14
Date Analyzed:	09/30/23	Data File:	092926.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	89	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	94
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	CS-131-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-15
Date Analyzed:	09/30/23	Data File:	092925.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	120
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Texaco-Strickland 180357
Date Collected:	Not Applicable	Lab ID:	03-2298 MB
Date Analyzed:	09/29/23	Data File:	092914.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	89	70	130

Compounds:	Concentration
	ug/m3
APH EC5-8 aliphatics	<75
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-125-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-01
Date Analyzed:	09/30/23	Data File:	092923.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.5	0.15
Toluene	<7.5	<2
Ethylbenzene	0.51	0.12
m,p-Xylene	1.3	0.30
o-Xylene	0.53	0.12
Naphthalene	0.22 j	0.042 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-125-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-02
Date Analyzed:	09/30/23	Data File:	092922.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	95	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.49	0.15
Toluene	<7.5	<2
Ethylbenzene	0.44	0.10
m,p-Xylene	1.2	0.27
o-Xylene	0.46	0.10
Naphthalene	0.21 j	0.041 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-127-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-03
Date Analyzed:	09/29/23	Data File:	092921.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.94	0.29
Toluene	<7.5	<2
Ethylbenzene	1.1	0.25
m,p-Xylene	2.4	0.56
o-Xylene	1.4	0.32
Naphthalene	0.28	0.053

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-127-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-04
Date Analyzed:	09/29/23	Data File:	092920.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.95	0.30
Toluene	<7.5	<2
Ethylbenzene	1.0	0.24
m,p-Xylene	2.5	0.57
o-Xylene	1.4	0.32
Naphthalene	0.30	0.057

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-129-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-05
Date Analyzed:	09/29/23	Data File:	092919.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.66	0.21
Toluene	11	2.8
Ethylbenzene	0.89	0.20
m,p-Xylene	3.3	0.76
o-Xylene	1.4	0.32
Naphthalene	0.53	0.10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-129-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-06
Date Analyzed:	09/29/23	Data File:	092918.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.7	0.22
Toluene	10	2.7
Ethylbenzene	0.87	0.20
m,p-Xylene	3.2	0.74
o-Xylene	1.4	0.31
Naphthalene	0.27	0.052

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-131-1-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-07
Date Analyzed:	09/29/23	Data File:	092917.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	93	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.59	0.18
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	<0.87	<0.2
o-Xylene	<0.43	<0.1
Naphthalene	0.19 j	0.037 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA-FD-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-08
Date Analyzed:	09/29/23	Data File:	092916.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.66	0.21
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	<0.87	<0.2
o-Xylene	<0.43	<0.1
Naphthalene	0.22 j	0.042 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	AMB-2-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-10
Date Analyzed:	09/29/23	Data File:	092915.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	89	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.36	0.11
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	<0.87	<0.2
o-Xylene	<0.43	<0.1
Naphthalene	0.25 j	0.047 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	VS-EFF-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-11
Date Analyzed:	09/30/23	Data File:	092929.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	90	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.58	0.18
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	1.1	0.26
o-Xylene	<0.43	<0.1
Naphthalene	0.20 j	0.039 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CS-125-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-12
Date Analyzed:	09/30/23	Data File:	092928.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.49	0.15
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	1.3	0.30
o-Xylene	<0.43	<0.1
Naphthalene	0.14 j	0.027 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CS-127-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-13
Date Analyzed:	09/30/23	Data File:	092927.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	93	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.5	0.16
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	1.3	0.30
o-Xylene	<0.43	<0.1
Naphthalene	0.1 j	0.019 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CS-129-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-14
Date Analyzed:	09/30/23	Data File:	092926.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	88	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.42	0.13
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	0.96	0.22
o-Xylene	<0.43	<0.1
Naphthalene	0.14 j	0.026 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CS-131-230928	Client:	Aspect Consulting, LLC
Date Received:	09/29/23	Project:	Texaco-Strickland 180357
Date Collected:	09/28/23	Lab ID:	309537-15
Date Analyzed:	09/30/23	Data File:	092925.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	0.5	0.15
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	1.1	0.25
o-Xylene	<0.43	<0.1
Naphthalene	0.14 j	0.027 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Texaco-Strickland 180357
Date Collected:	Not Applicable	Lab ID:	03-2298 MB
Date Analyzed:	09/29/23	Data File:	092914.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	88	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	<0.32	<0.1
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	<0.87	<0.2
o-Xylene	<0.43	<0.1
Naphthalene	<0.052 j	<0.01 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/17/23

Date Received: 09/29/23

Project: Texaco-Strickland 180357, F&BI 309537

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD MA-APH**

Laboratory Code: 309537-11 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
APH EC5-8 aliphatics	ug/m3	100	82	20
APH EC9-12 aliphatics	ug/m3	<25	<25	nm
APH EC9-10 aromatics	ug/m3	<25	<25	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
APH EC5-8 aliphatics	ug/m3	67	87	70-130
APH EC9-12 aliphatics	ug/m3	67	117	70-130
APH EC9-10 aromatics	ug/m3	67	95	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/17/23

Date Received: 09/29/23

Project: Texaco-Strickland 180357, F&BI 309537

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 309537-11 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Benzene	ug/m3	0.58	0.56	4
Toluene	ug/m3	<7.5	<7.5	nm
Ethylbenzene	ug/m3	<0.43	<0.43	nm
m,p-Xylene	ug/m3	1.1	1.1	0
o-Xylene	ug/m3	<0.43	<0.43	nm
Naphthalene	ug/m3	<0.26	<0.26	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/m3	43	106	70-130
Toluene	ug/m3	51	111	70-130
Ethylbenzene	ug/m3	59	106	70-130
m,p-Xylene	ug/m3	120	111	70-130
o-Xylene	ug/m3	59	116	70-130
Naphthalene	ug/m3	71	111	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

09/29/23

Page # 1 of 2

309537
 Report To Breynn Greer
 Company Aspect Consulting
 Address 760 2nd Ave #550
 City, State, ZIP Seattle, WA
 Phone _____ Email bgreer@aspectconsulting.com

SAMPLERS (signature) [Signature]
 PROJECT NAME & ADDRESS Toxco - Sticklund PO# 180357
 NOTES: _____ INVOICE TO AP

TURNAROUND TIME
Standard
 RUSH
 Rush charges authorized by: _____
 SAMPLE DISPOSAL
 Default: Clean following final report delivery
 Hold (Fee may apply): _____

SAMPLE INFORMATION

Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	ANALYSIS REQUESTED					Notes
										TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium	
IA-125-1-230928	01	35335	15209	IA / SG	09/28/23	730	1122	11	1114		X	X			
IA-125-2-230928	02	37210	05354	IA / SG		29	1122	6	1115						
IA-127-1-230928	03	21484	06608	IA / SG		29	1120	7	1109						
IA-127-2-230928	04	40703	07846	IA / SG		730 29	1120	8	1110						
IA-129-1-230928	05	23231	15216	IA / SG		730	1105	9	1105						
IA-129-2-230928	06	20543	06604	IA / SG		29	1105	7	1107						
IA-131-1-230928	07	18564	08183	IA / SG		30	1115	7.5	1118						
IA-FD-230928	08	37224	06602	IA / SG	✓	29	1115	6	1120	✓	✓				

Friedman & Bruya, Inc.
 5500 4th Avenue South
 Seattle, WA 98108
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	Nikolai Carroll	Aspect	09/29	1320
Received by: <u>[Signature]</u>	James Bruya	F & B	9/29	1320
Relinquished by: _____		Samples received at <u>20°C</u>		
Received by: _____				

309537

SAMPLE CHAIN OF CUSTODY

09/29/23

Page # 2 of 2

Report To Breynn Greer
 Company Aspect Consulting
 Address 710 2nd Ave #550
 City, State, ZIP Seattle WA
 Phone _____ Email bgreer@aspectconsulting.com

SAMPLERS (signature) <u>[Signature]</u>	
PROJECT NAME & ADDRESS <u>Texaco-Strickland</u>	PO # <u>180357</u>
NOTES:	INVOICE TO <u>AR</u>

TURNAROUND TIME <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH Rush charges authorized by: _____
SAMPLE DISPOSAL Default: Clean following final report delivery Hold (Fee may apply): _____

SAMPLE INFORMATION

Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	ANALYSIS REQUESTED					Notes
										TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium	
AMB-1-230928	09	38344	1543	IA / SG	09/28/23	29	125	28	138		X		X		Sampling error. Tubing was pinched.
AMB-2-230928	10	40706	06603	IA / SG		30	1125	35	1130						
VS-EFF-230928	11	37214	05344	IA / SG		29	1127	7	1135						
CS-125-230928	12	40702	07850	IA / SG		30	1130	6	1141						
CS-127-230928	13	18574	06602	IA / SG		29	1130	8	1142						
CS-129-230928	14	23224	1520	IA / SG		30	1130	6	1142						
CS-131-230928	15	20550	05552	IA / SG		30	1130	7	1142						
				IA / SG											

Friedman & Bruya, Inc.
 5500 4th Avenue South
 Seattle, WA 98108
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE		PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	<u>[Signature]</u>	Nikolai Cannon	Aspect	09/29	1320
Received by:	<u>[Signature]</u>	James Boyer	F&B	9/29	1830
Relinquished by:			Samples received at 20 °C		
Received by:					

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 9, 2023

Daniel Babcock, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Mr Babcock:

Included are the results from the testing of material submitted on November 2, 2023 from the Aloha-Strickland 180357, F&BI 311054 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Aspect Data
ASP1109R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 2, 2023 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Aloha-Strickland 180357, F&BI 311054 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
311054 -01	MW-17-110223

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/23
Date Received: 11/02/23
Project: Aloha-Strickland 180357, F&BI 311054
Date Extracted: 11/02/23
Date Analyzed: 11/03/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
MW-17-110223 311054-01	<100	96
Method Blank 03-2489 MB	<100	106

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/23
Date Received: 11/02/23
Project: Aloha-Strickland 180357, F&BI 311054
Date Extracted: 11/03/23
Date Analyzed: 11/03/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 50-150)
MW-17-110223 311054-01	98 x	<250	131
Method Blank 03-2610 MB2	<50	<250	129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-17-110223	Client:	Aspect Consulting, LLC
Date Received:	11/02/23	Project:	Aloha-Strickland 180357
Date Extracted:	11/07/23	Lab ID:	311054-01
Date Analyzed:	11/07/23	Data File:	110713.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	98	68	139
4-Bromofluorobenzene	104	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Aloha-Strickland 180357
Date Extracted:	11/07/23	Lab ID:	03-2623 mb
Date Analyzed:	11/07/23	Data File:	110707.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	71	132
Toluene-d8	100	68	139
4-Bromofluorobenzene	99	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/23

Date Received: 11/02/23

Project: Aloha-Strickland 180357, F&BI 311054

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 310561-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	91,000	89,000	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	110	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/23

Date Received: 11/02/23

Project: Aloha-Strickland 180357, F&BI 311054

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	96	100	72-139	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/09/23

Date Received: 11/02/23

Project: Aloha-Strickland 180357, F&BI 311054

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260D**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	ug/L (ppb)	10	108	109	70-130	1
Toluene	ug/L (ppb)	10	105	108	70-130	3
Ethylbenzene	ug/L (ppb)	10	108	110	70-130	2
m,p-Xylene	ug/L (ppb)	20	109	111	70-130	2
o-Xylene	ug/L (ppb)	10	107	109	70-130	2
Naphthalene	ug/L (ppb)	10	101	101	61-133	0

FRIEDMAN & BRUYA, INC.

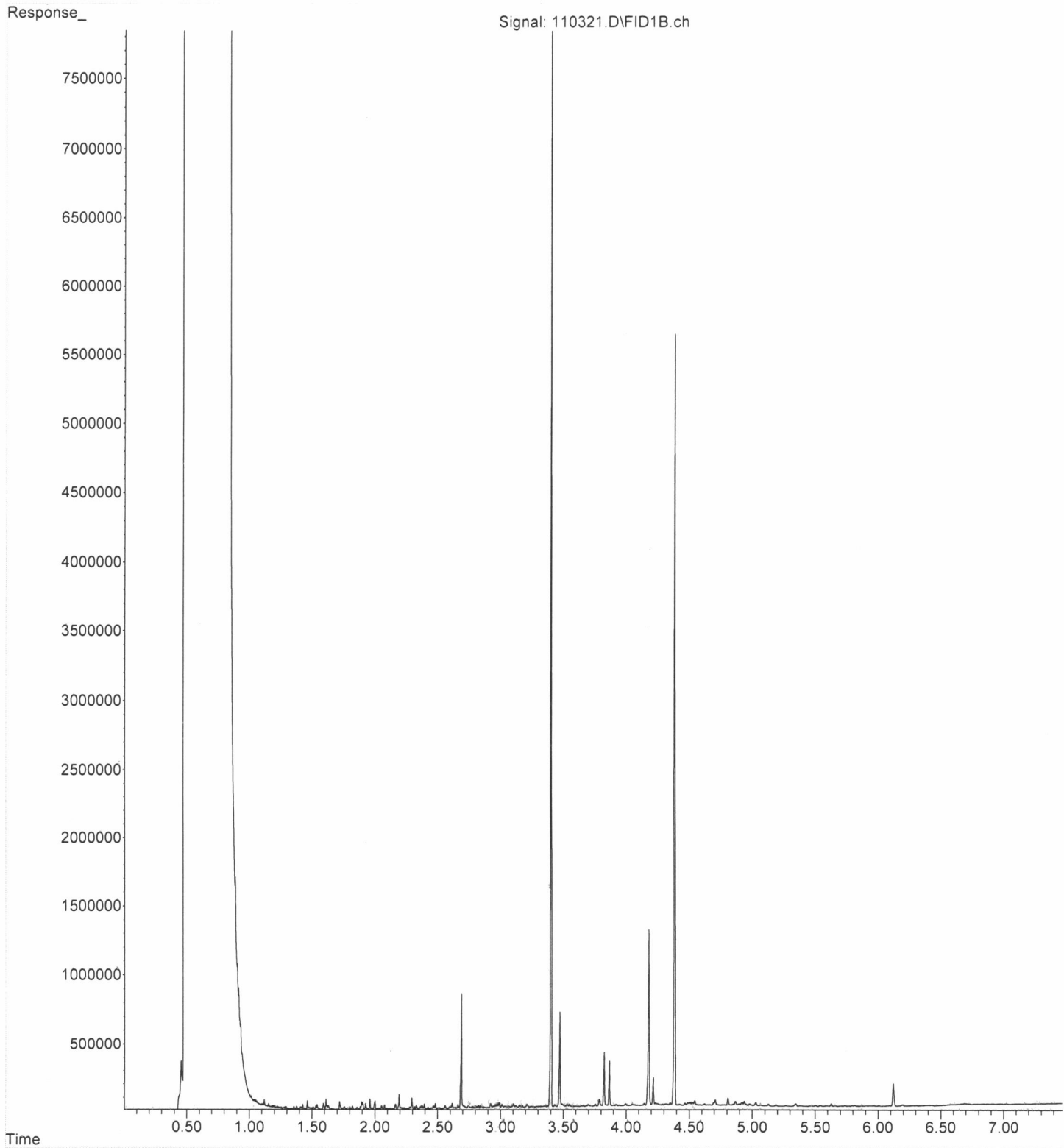
ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

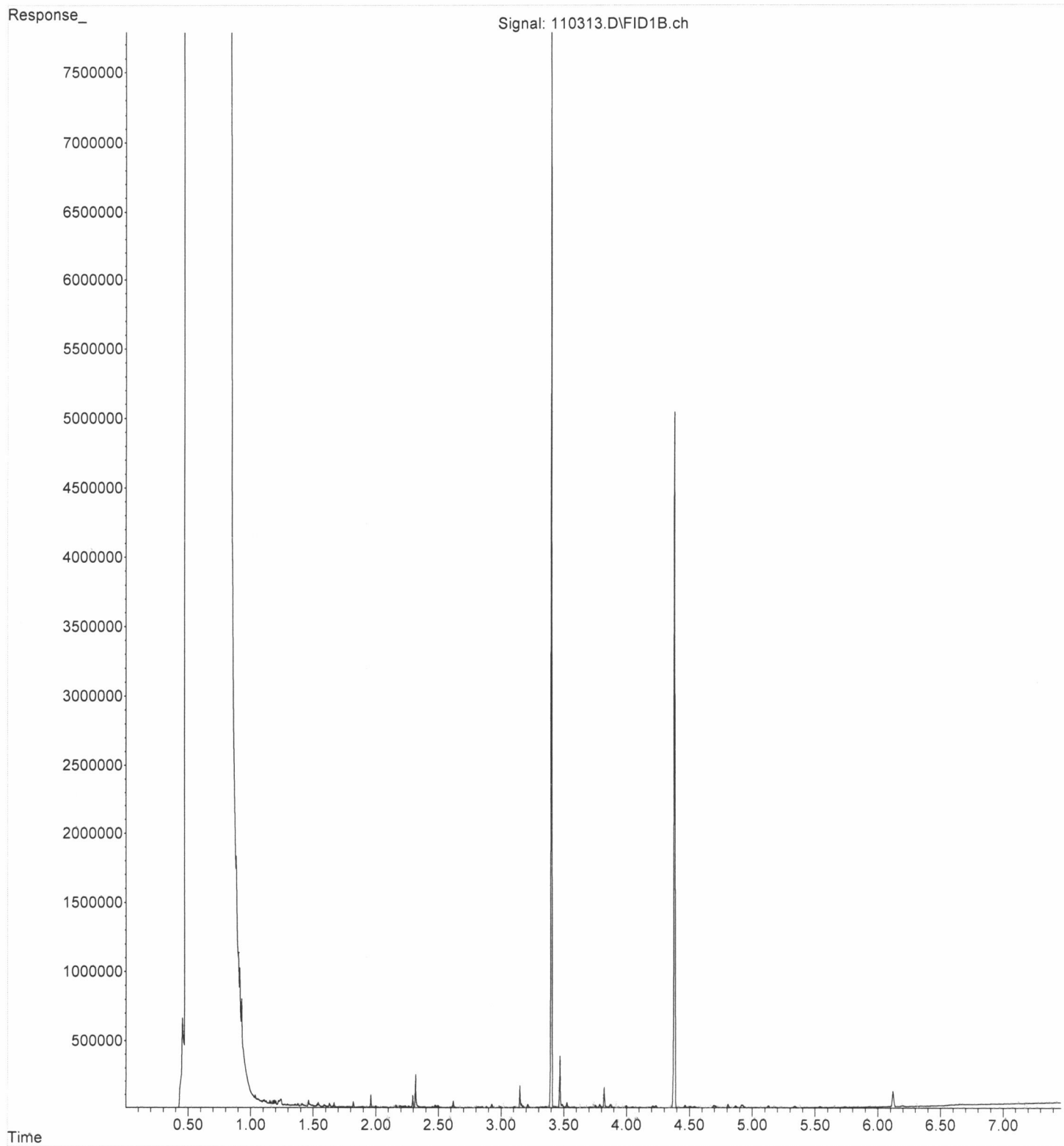
File :P:\Proc_GC14\11-03-23\110321.D
Operator : TL
Acquired : 03 Nov 2023 02:40 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 311054-01
Misc Info :
Vial Number: 20

ERR



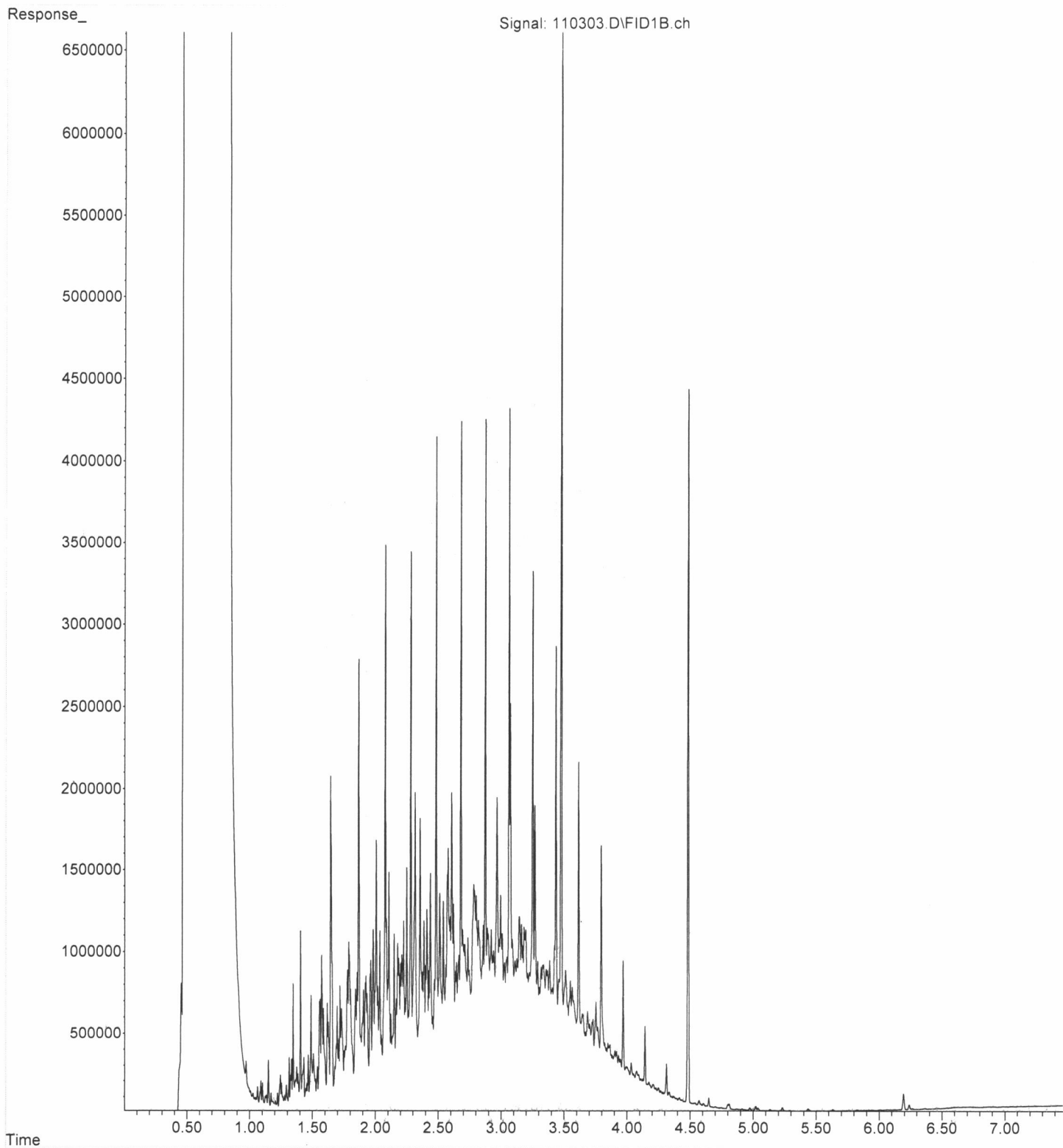
File :P:\Proc_GC14\11-03-23\110313.D
Operator : TL
Acquired : 03 Nov 2023 01:05 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 03-2610 mb2
Misc Info :
Vial Number: 14

ERR



File :P:\Proc_GC14\11-03-23\110303.D
Operator : TL
Acquired : 03 Nov 2023 09:09 am using AcqMethod DX.M
Instrument : GC14
Sample Name: 500 Dx 69-104J
Misc Info :
Vial Number: 3

ERR



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 7, 2023

Breeyn Greer, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Greer:

Included are the results from the testing of material submitted on November 30, 2023 from the Texaco Strickland 180357, F&BI 311408 project. There are 20 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Aspect Data
ASP1207R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 30, 2023 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Texaco Strickland 180357 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
311408 -01	MW-16-113023
311408 -02	MW-17-113023
311408 -03	MW-29-113023
311408 -04	MW-18R-112823
311408 -05	MW-25R-112823
311408 -06	MW-27-112823
311408 -07	MW-19-112823
311408 -08	MW-30-112823
311408 -09	MW-31-112823
311408 -10	MW-32-112823
311408 -11	MW-26-112823
311408 -12	Trip Blank

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/23
Date Received: 11/30/23
Project: Texaco Strickland 180357, F&BI 311408
Date Extracted: 12/04/23
Date Analyzed: 12/04/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
MW-16-113023 311408-01	490	113
MW-17-113023 311408-02	<100	107
MW-29-113023 311408-03	<100	119
MW-18R-112823 311408-04	<100	108
MW-25R-112823 311408-05	<100	107
MW-27-112823 311408-06	<100	102
MW-19-112823 311408-07	<100	102
MW-30-112823 311408-08	<100	101
MW-31-112823 311408-09	<100	103
MW-32-112823 311408-10	<100	97

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/23
Date Received: 11/30/23
Project: Texaco Strickland 180357, F&BI 311408
Date Extracted: 12/04/23
Date Analyzed: 12/04/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
MW-26-112823 311408-11	<100	96
Method Blank 03-2522 MB	<100	106

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/23
 Date Received: 11/30/23
 Project: Texaco Strickland 180357, F&BI 311408
 Date Extracted: 12/04/23
 Date Analyzed: 12/05/23

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR TOTAL PETROLEUM HYDROCARBONS AS
 DIESEL AND MOTOR OIL
 USING METHOD NWTPH-D_x**
 Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 50-150)
MW-16-113023 311408-01	220 x	<250	103
MW-17-113023 311408-02	<50	<250	98
MW-29-113023 311408-03	110 x	<250	96
MW-18R-112823 311408-04	<50	<250	98
MW-25R-112823 311408-05	<50	<250	97
MW-27-112823 311408-06	<50	<250	104
MW-19-112823 311408-07	<50	<250	97
MW-30-112823 311408-08	69 x	<250	84
MW-31-112823 311408-09	<50	<250	90
MW-32-112823 311408-10	<50	<250	98
MW-26-112823 311408-11	<50	<250	88
Method Blank 03-2776 MB	<50	<250	85

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-16-113023	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-01
Date Analyzed:	12/01/23	Data File:	120110.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	99	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-17-113023	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-02
Date Analyzed:	12/01/23	Data File:	120109.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-29-113023	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-03
Date Analyzed:	12/01/23	Data File:	120111.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	96	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18R-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-04
Date Analyzed:	12/01/23	Data File:	120112.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	94	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-25R-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-05
Date Analyzed:	12/01/23	Data File:	120113.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	95	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-27-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-06
Date Analyzed:	12/01/23	Data File:	120114.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	71	132
Toluene-d8	90	68	139
4-Bromofluorobenzene	94	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-19-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-07
Date Analyzed:	12/01/23	Data File:	120115.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	98	68	139
4-Bromofluorobenzene	96	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-30-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-08
Date Analyzed:	12/01/23	Data File:	120116.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	93	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-31-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-09
Date Analyzed:	12/01/23	Data File:	120117.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	95	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-32-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-10
Date Analyzed:	12/01/23	Data File:	120118.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	97	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-26-112823	Client:	Aspect Consulting, LLC
Date Received:	11/30/23	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	311408-11
Date Analyzed:	12/01/23	Data File:	120119.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	100	68	139
4-Bromofluorobenzene	99	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Texaco Strickland 180357
Date Extracted:	12/01/23	Lab ID:	03-2753 mb
Date Analyzed:	12/01/23	Data File:	120108.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/23

Date Received: 11/30/23

Project: Texaco Strickland 180357, F&BI 311408

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 312021-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	89	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/23

Date Received: 11/30/23

Project: Texaco Strickland 180357, F&BI 311408

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	112	100	72-139	11

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/23

Date Received: 11/30/23

Project: Texaco Strickland 180357, F&BI 311408

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260D**

Laboratory Code: 311408-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	
				Recovery MS	Acceptance Criteria
Benzene	ug/L (ppb)	10	<0.35	105	50-150
Toluene	ug/L (ppb)	10	<1	99	50-150
Ethylbenzene	ug/L (ppb)	10	<1	102	50-150
m,p-Xylene	ug/L (ppb)	20	<2	102	50-150
o-Xylene	ug/L (ppb)	10	<1	103	50-150
Naphthalene	ug/L (ppb)	10	<1	105	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent		Acceptance Criteria	RPD (Limit 20)
			Recovery LCS	Recovery LCSD		
Benzene	ug/L (ppb)	10	97	103	70-130	6
Toluene	ug/L (ppb)	10	95	98	70-130	3
Ethylbenzene	ug/L (ppb)	10	94	99	70-130	5
m,p-Xylene	ug/L (ppb)	20	94	100	70-130	6
o-Xylene	ug/L (ppb)	10	93	101	70-130	8
Naphthalene	ug/L (ppb)	10	96	105	70-130	9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

311408

SAMPLE CHAIN OF CUSTODY

11/30/23 VW4/F4

Page # 1 of 2

Report To Breynn Greer
 Company Aspect Consulting
 Address 710 2nd Ave
 City, State, ZIP Seattle, WA, 98104
 Phone 424-210-6437 Email Breynn.Greer@aspectconsulting.com

SAMPLERS (signature) <u>Carmen Tappero</u>	
PROJECT NAME <u>Texaco Strickland</u>	PO # <u>180357</u>
REMARKS	INVOICE TO
Project specific RLs? - Yes / No	

TURNAROUND TIME <input checked="" type="checkbox"/> Standard turnaround <input type="checkbox"/> RUSH Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Archive samples <input type="checkbox"/> Other _____ Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX* Naphthalene by EPA 8200					
MW-16-113023	01A-G	11/30/23	1140	W	7	X	X											
MW-17-113023	02	↓	1050	↓	↓													
MW-29-113023	03	↓	0950	↓	↓													
MW-18R-112823	04	11/28/23	0815	W	7													
MW-25R-112823	05	↓	0935	↓	↓													
MW-27-112823	06	↓	1040	↓	↓													
MW-19-112823	07	↓	1245	↓	↓													
MW-30-112823	08	↓	1525	↓	↓													Label MW-31-112823 AP 11/30
MW-31-112823	09	↓	1450	↓	↓													Samples received at 4 °C
MW-32-112823	10	↓	1350	↓	↓													

Friedman & Bruya, Inc.
 Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Carmen Tappero</u>	<u>Carmen Tappero</u>	<u>Aspect Consulting</u>	<u>11/30/23</u>	<u>13:07</u>
Received by: <u>[Signature]</u>	<u>Eric Younis</u>	<u>F-B</u>	<u>11/30/23</u>	<u>13:07</u>
Relinquished by:				
Received by:				

311408

SAMPLE CHAIN OF CUSTODY

11/30/23 VW4/F4

Report To Breeyn Greer

Company _____

Address _____

City, State, ZIP See pg 1

Phone _____ Email _____

SAMPLERS (signature) <i>Carmen Tappero</i>	
PROJECT NAME <u>Texaco Stuckland</u>	PO # <u>180357</u>
REMARKS	INVOICE TO
Project specific RLs? - Yes / No	

Page # 2 of 2

TURNAROUND TIME

Standard turnaround
 RUSH
 Rush charges authorized by: _____

SAMPLE DISPOSAL

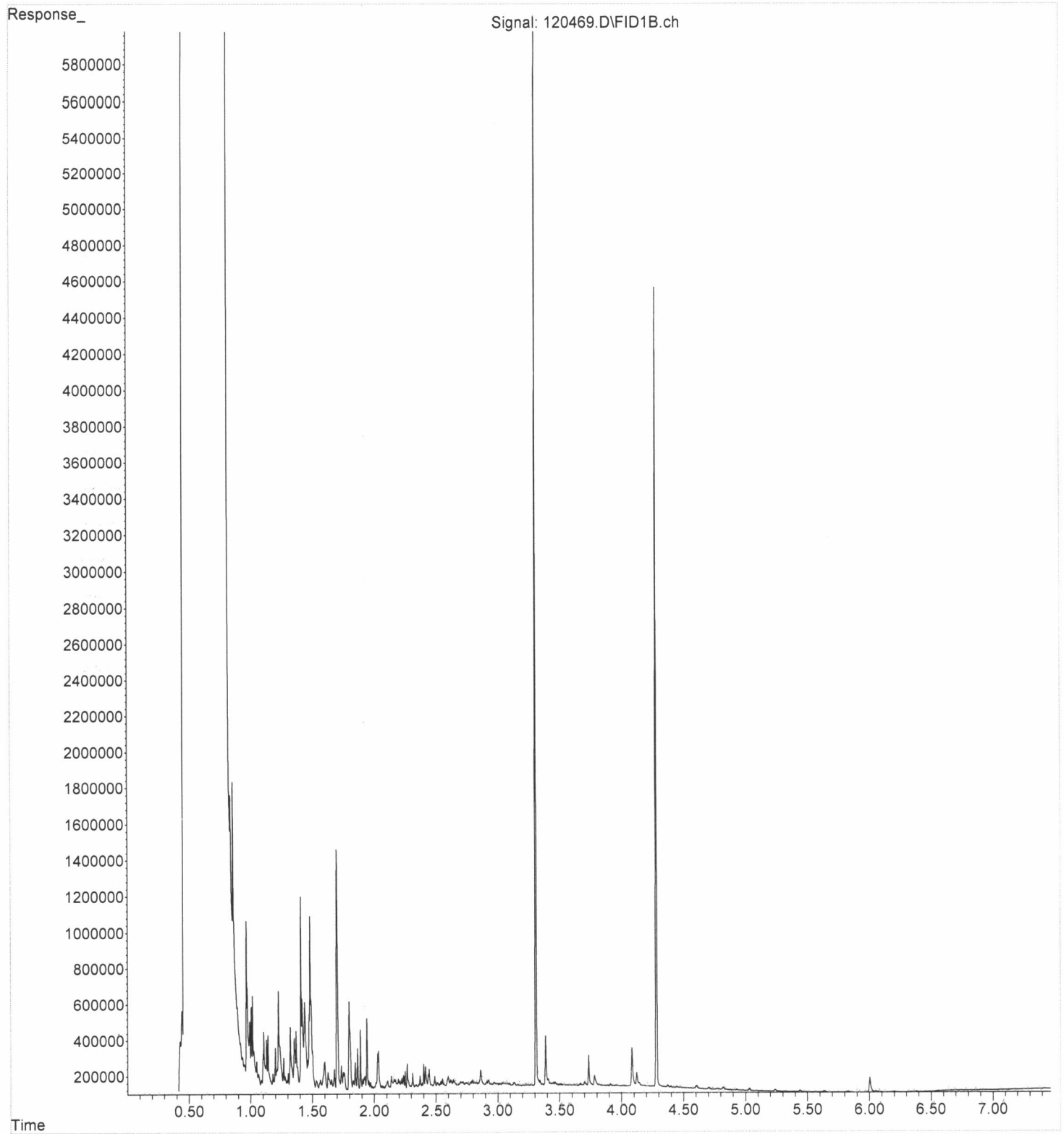
Archive samples
 Other _____
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX + Naphthalene	07 EPA 8260				
MW-26-112830	11 A-G	11/28/30	1150	W	7	X	X											
Trip Blank	12 A-B	-	-	water	2													Added at lab AP 11/30

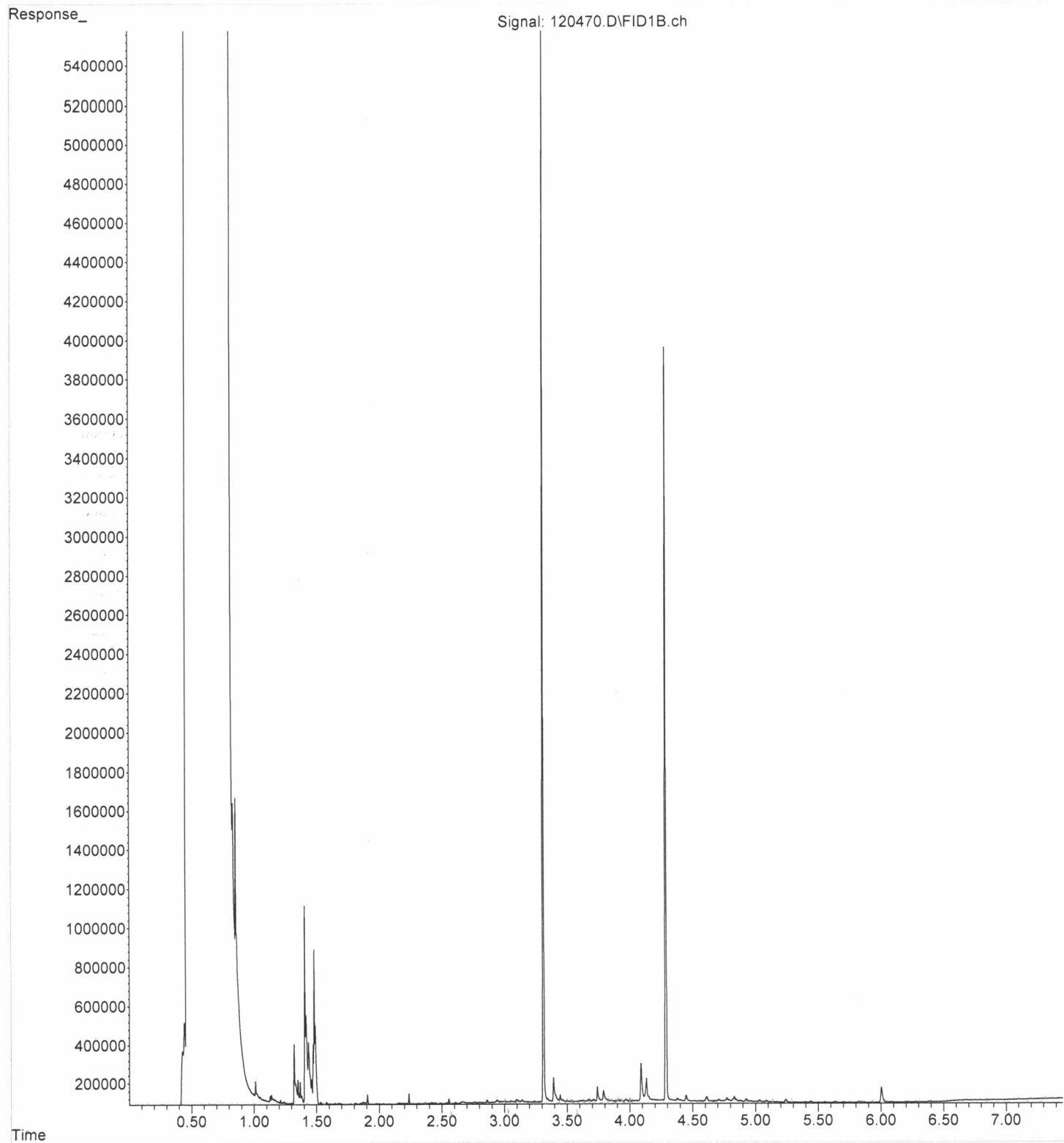
Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>Carmen Tappero</i>	Carmen Tappero	Aspect Consulting	11/30/23	13:07
Received by: <i>Eric House</i>	Eric House	Fab	11/30/23	13:07
Relinquished by:				
Received by:				

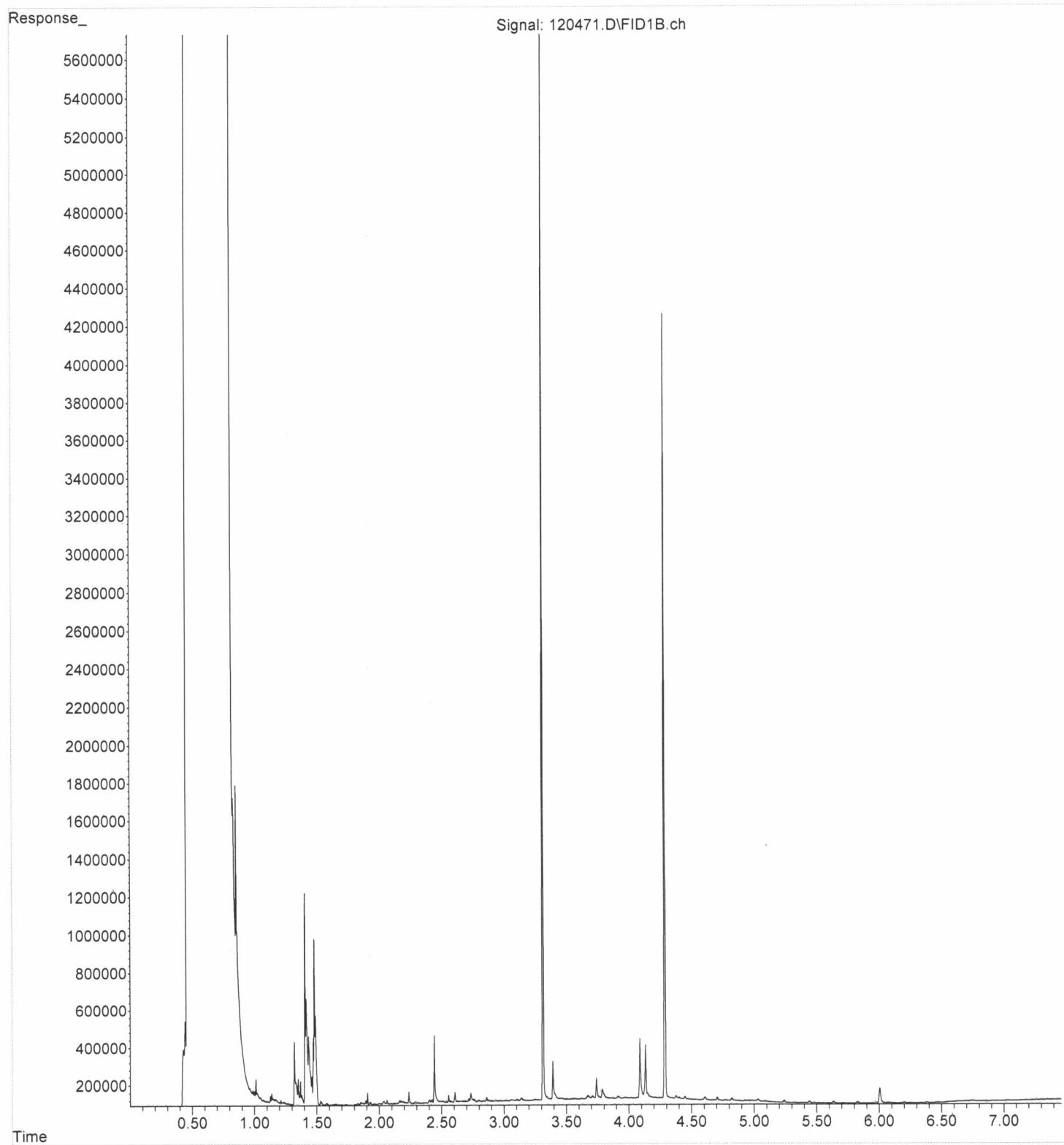
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Operator : IJL
Acquired : 05 Dec 2023 01:32 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-01
Misc Info :
Vial Number: 56



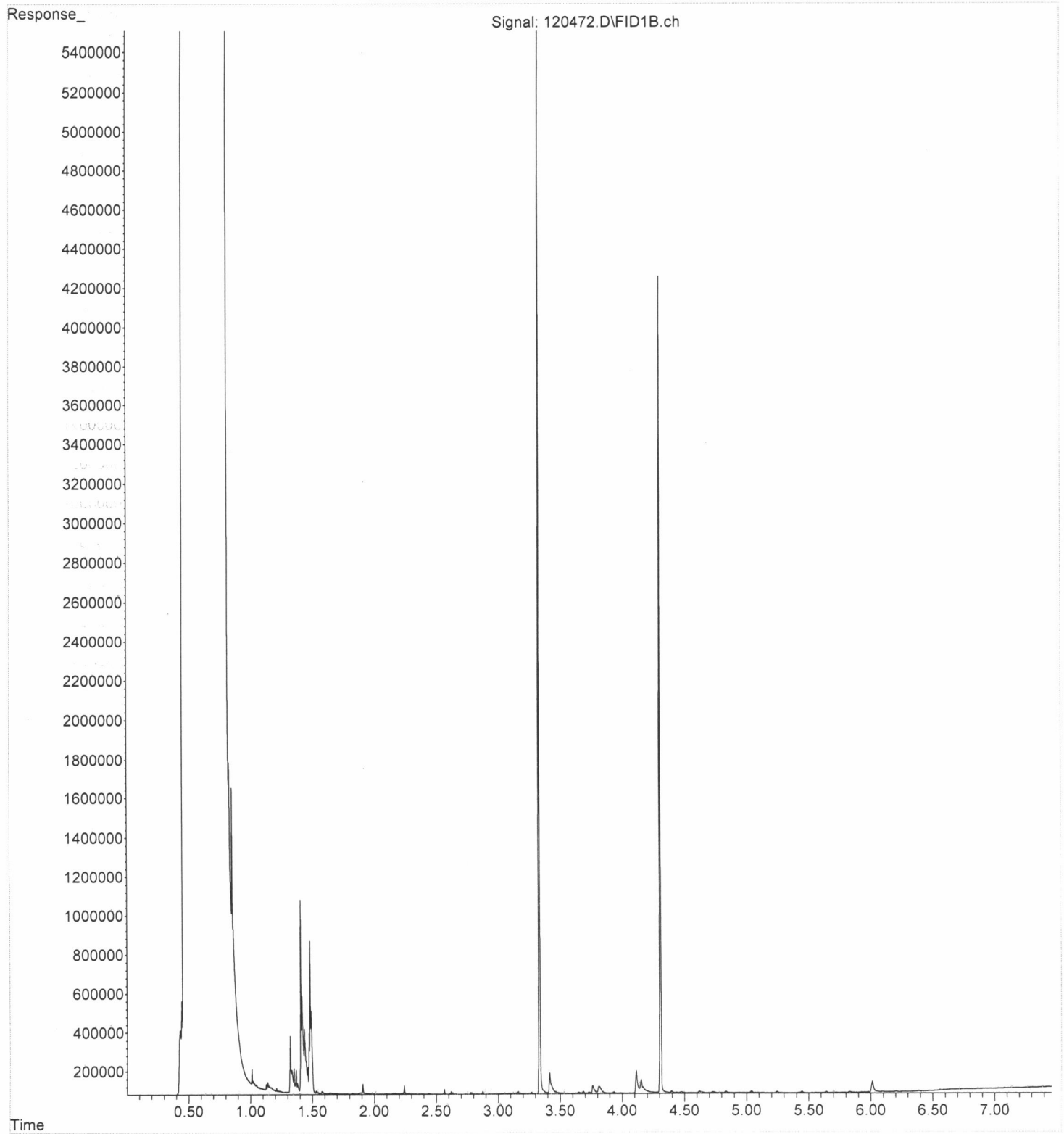
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Operator : IJL
Acquired : 05 Dec 2023 01:43 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-02
Misc Info :
Vial Number: 57



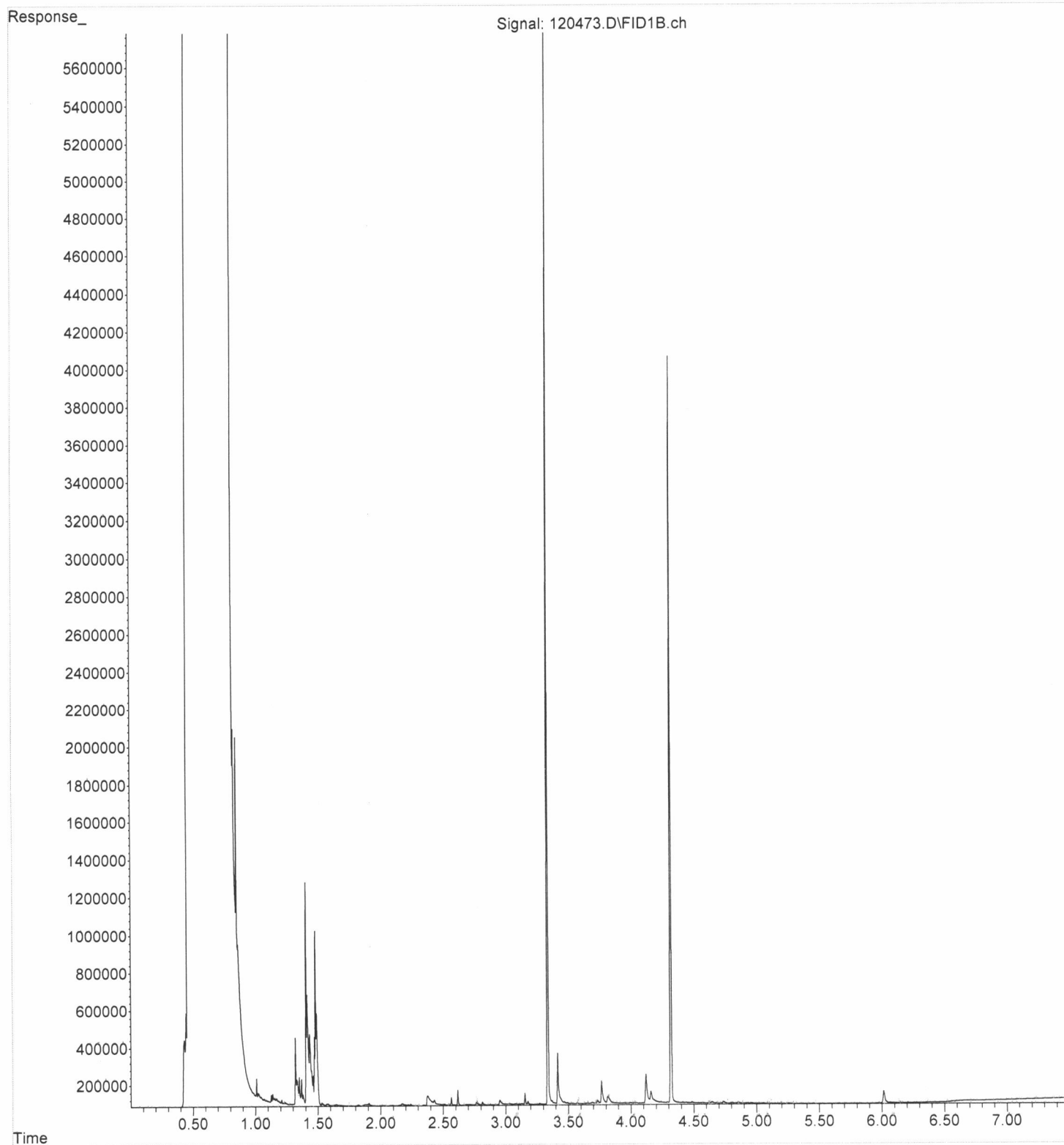
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Instrument : GC10
Sample Name: 311408-03
Misc Info :
Vial Number: 58



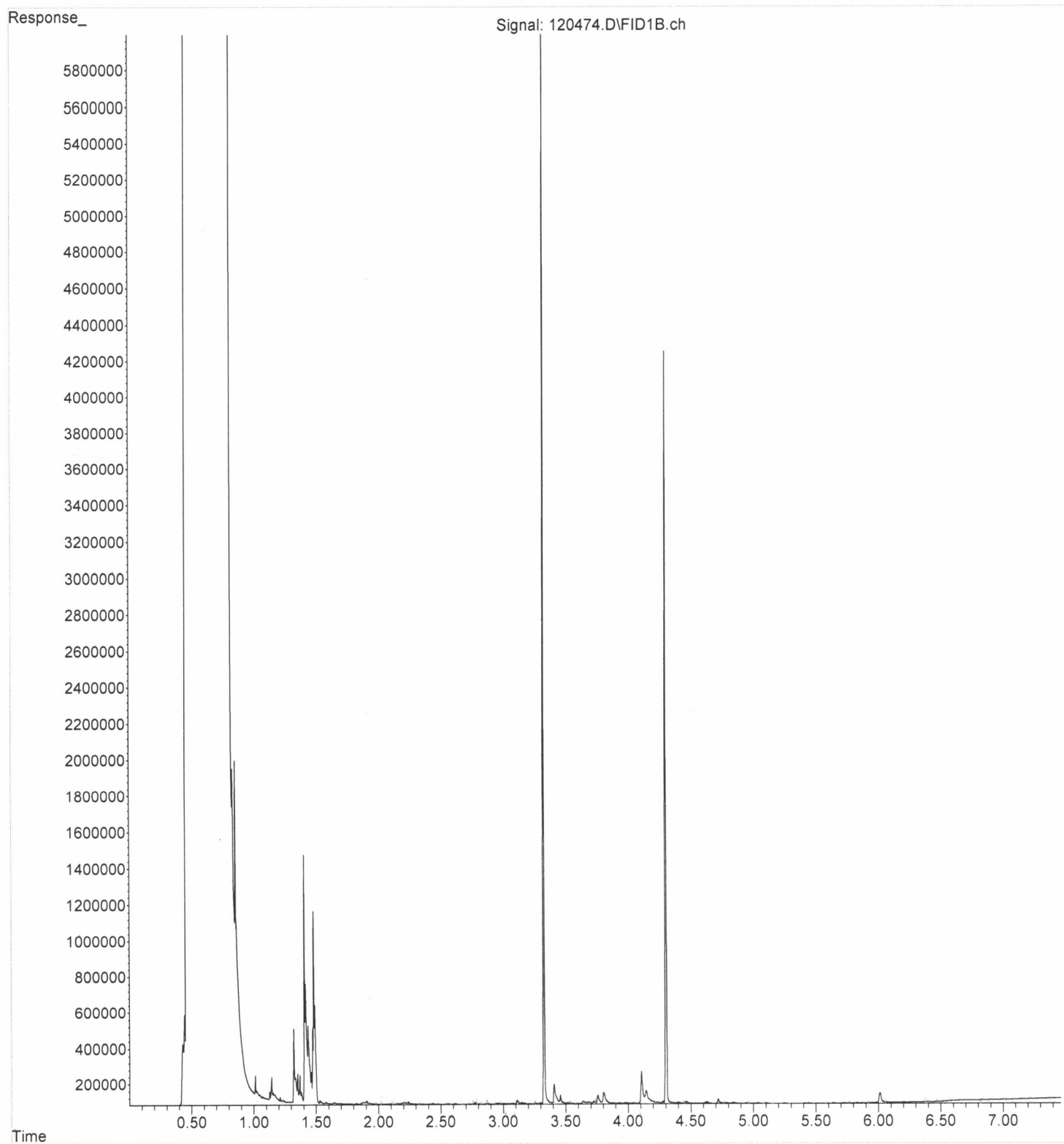
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Operator : IJL
Acquired : 05 Dec 2023 02:07 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-04
Misc Info :
Vial Number: 59



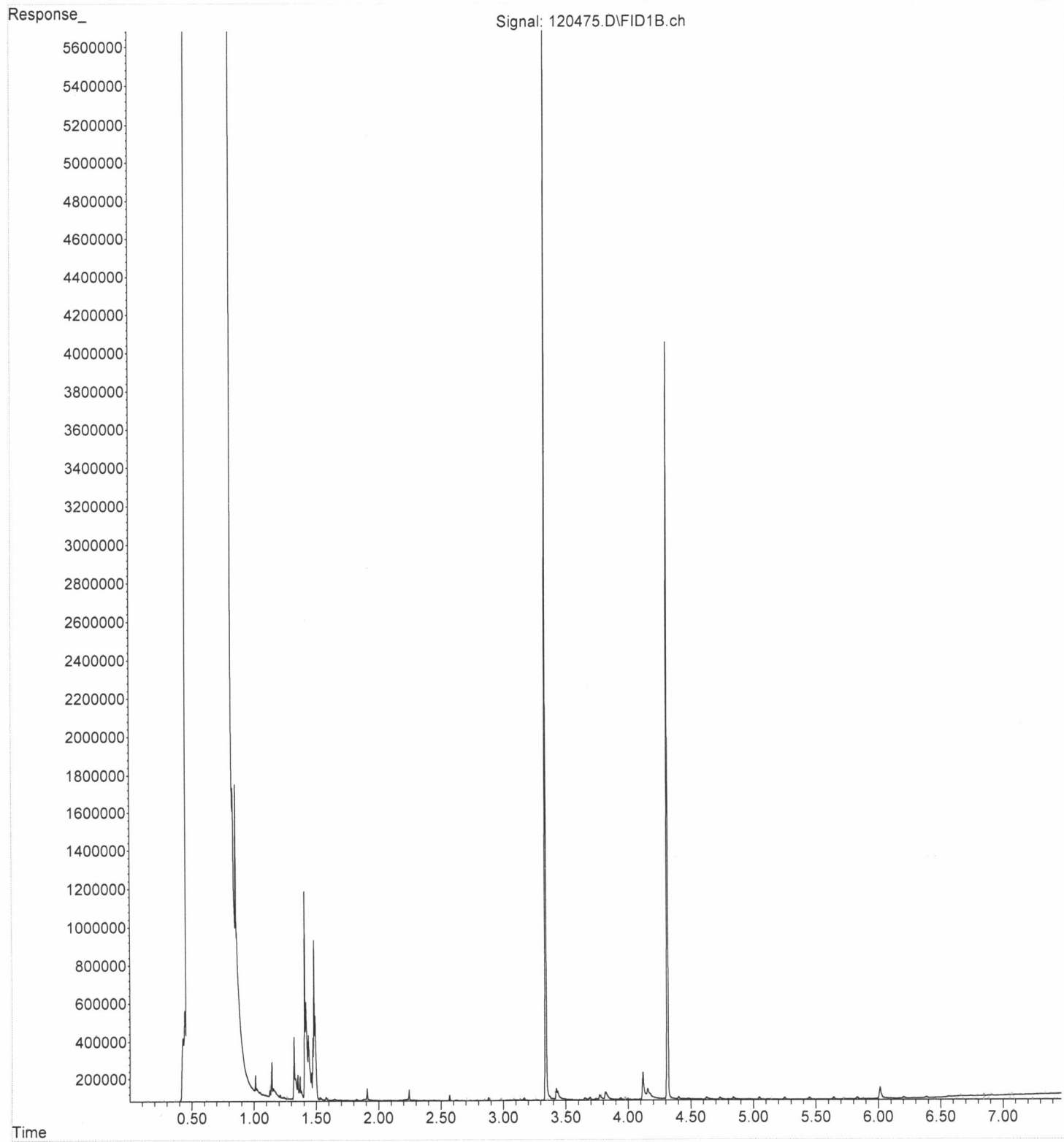
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Operator : IJL
Acquired : 05 Dec 2023 02:18 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-05
Misc Info :
Vial Number: 60



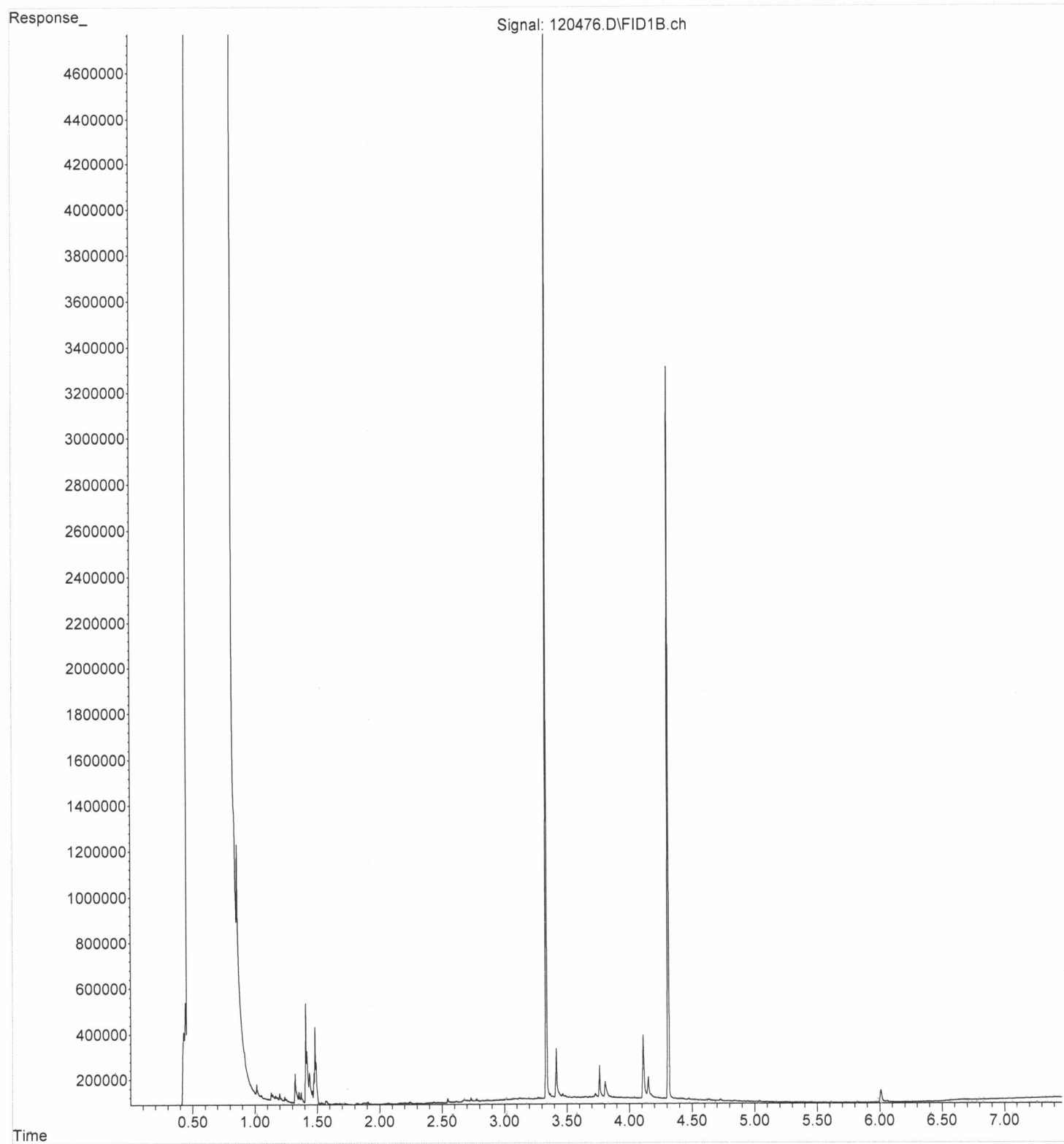
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Operator : IJL
Acquired : 05 Dec 2023 02:30 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-06
Misc Info :
Vial Number: 61



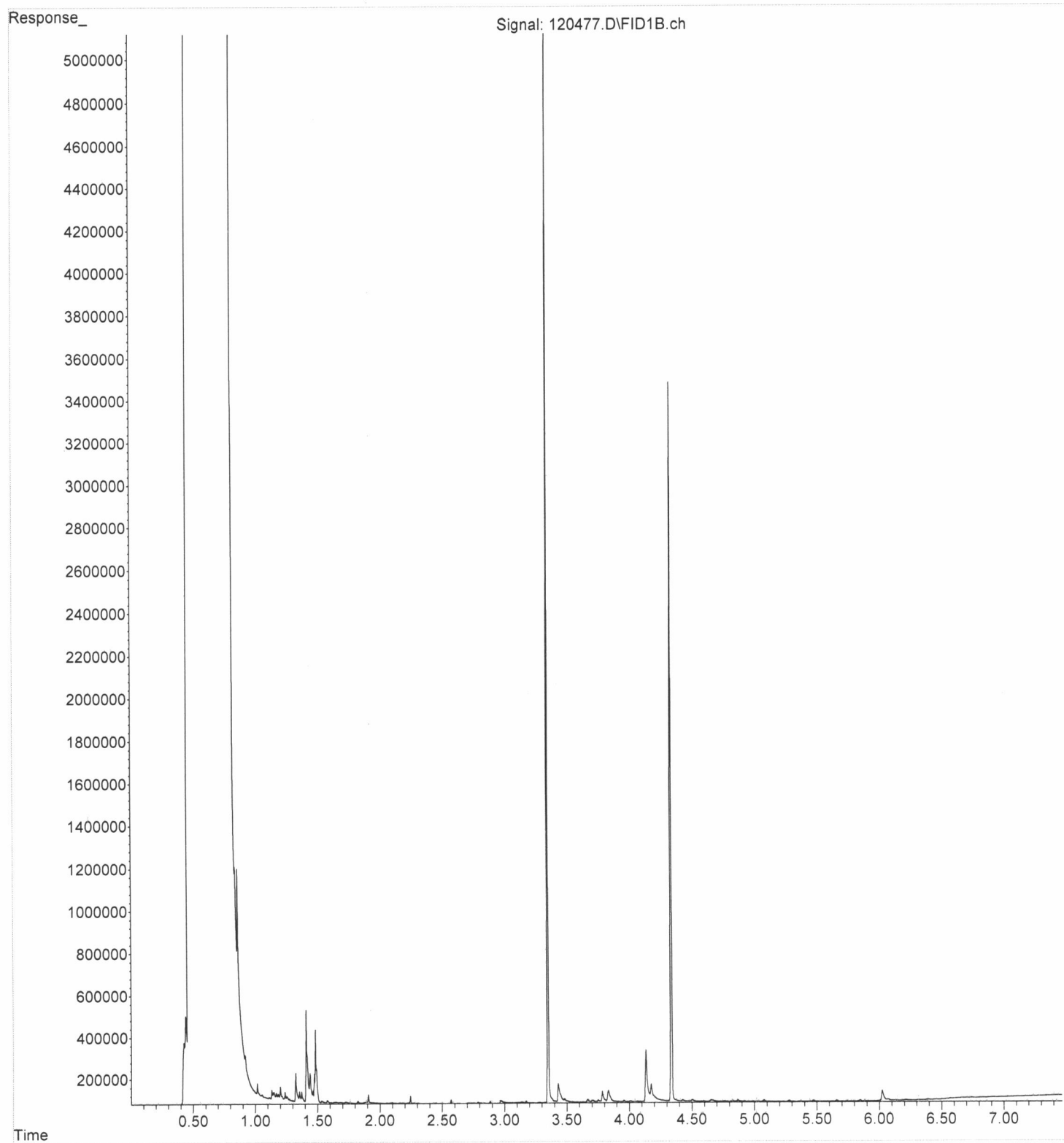
File :P:\Proc_GC10\12-04-23\120475.D
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Instrument : GC10
Sample Name: 311408-07
Misc Info :
Vial Number: 62



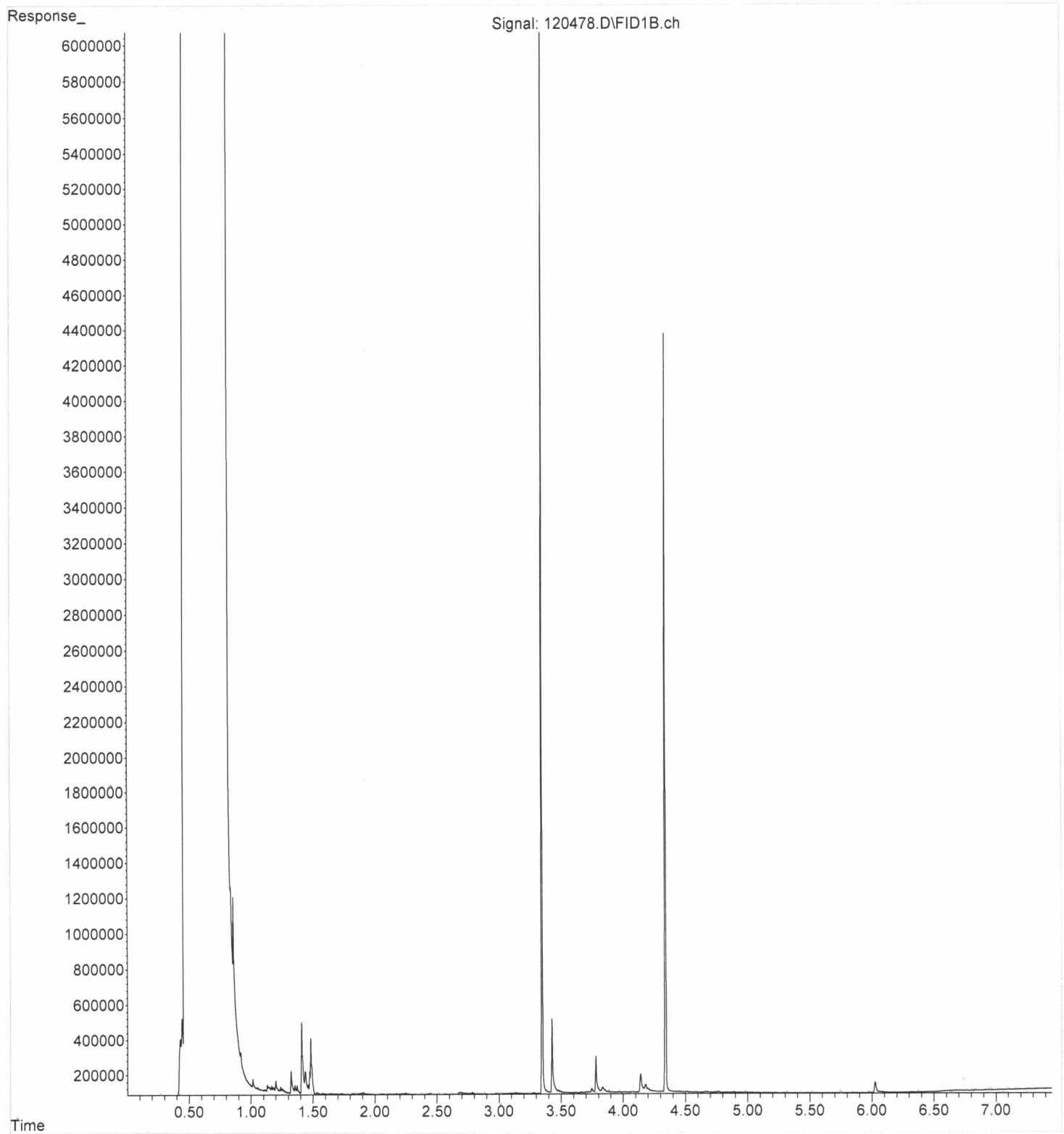
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Acquired : 05 Dec 2023 02:53 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-08
Misc Info :
Vial Number: 63



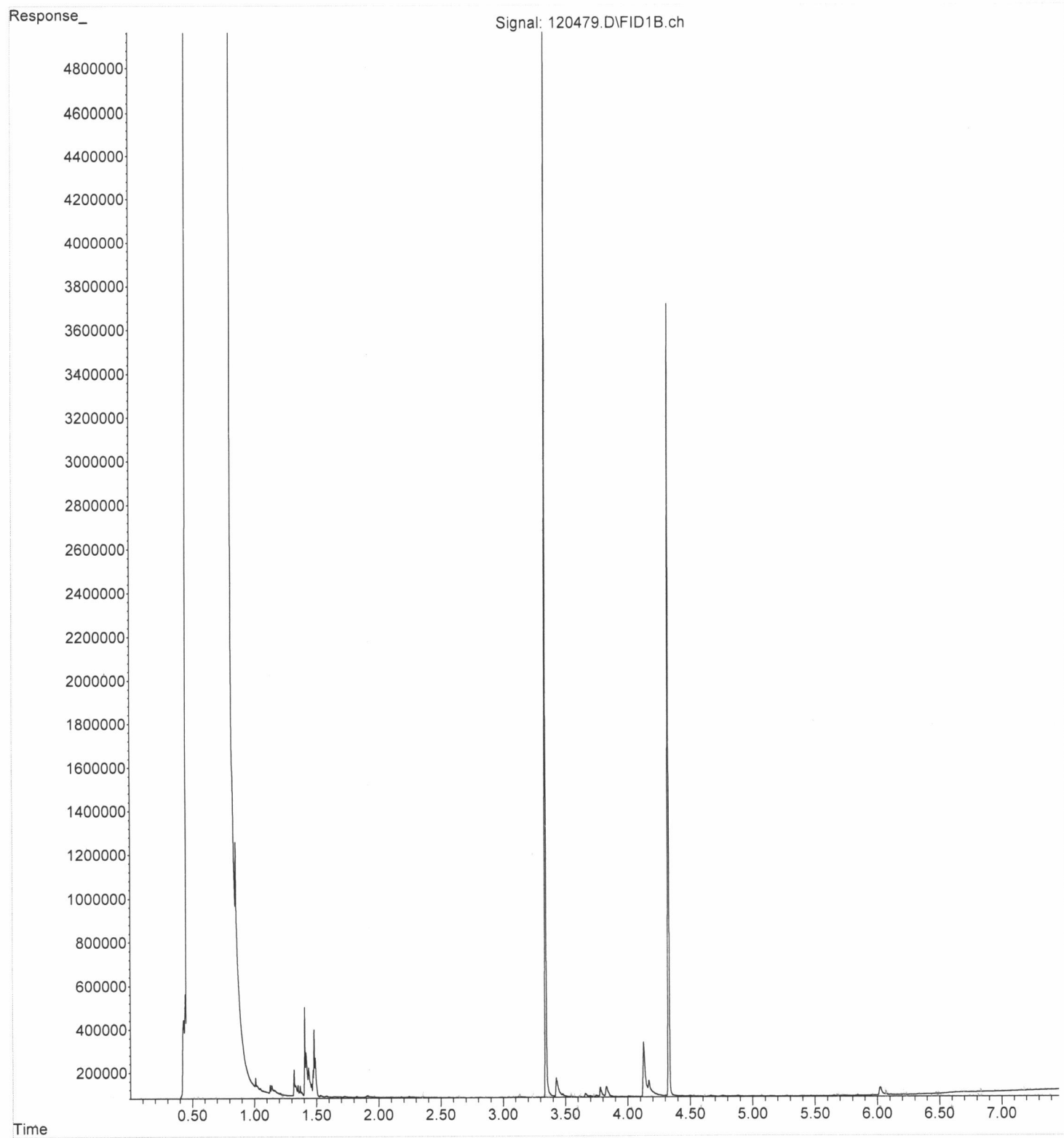
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Operator : IJL
Acquired : 05 Dec 2023 03:05 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-09
Misc Info :
Vial Number: 64



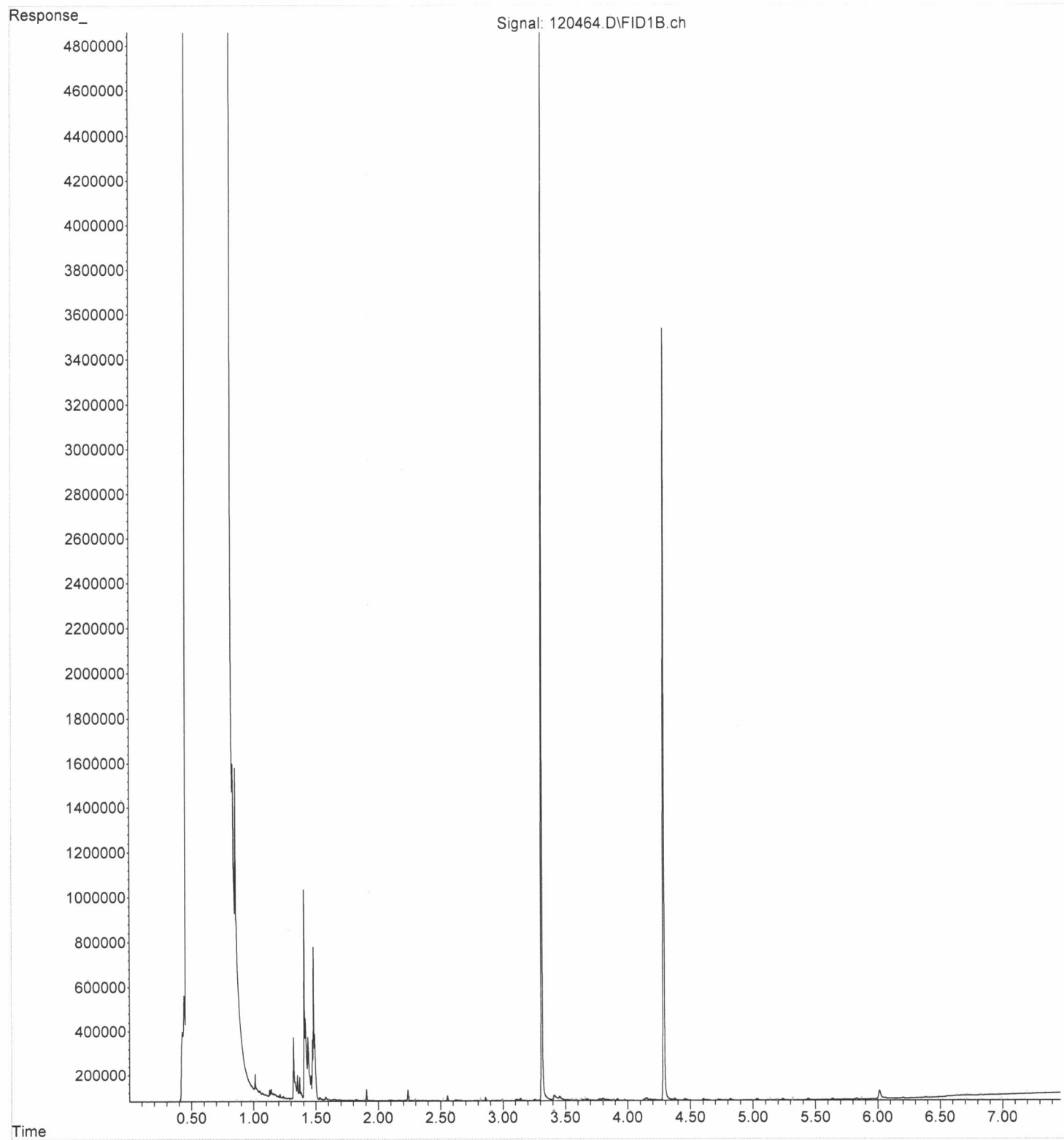
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Operator : IJL
Acquired : 05 Dec 2023 03:17 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-10
Misc Info :
Vial Number: 65



File :P:\Proc_GC10\12-04-23\120479.D
Operator : IJL
Acquired : 05 Dec 2023 03:28 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 311408-11
Misc Info :
Vial Number: 66



File :P:\Proc_GC10\12-04-23\120464.D
Operator : IJL
Acquired : 05 Dec 2023 12:34 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 03-2776 mb
Misc Info :
Vial Number: 53



File :P:\Proc_GC10\12-04-23\120403.D
Operator : IJL
Acquired : 04 Dec 2023 08:31 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 500 DX 70-26F
Misc Info :
Vial Number: 3

