Aspect
A Geosyntec Company

October 13, 2023

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

Re: Progress Report No. 20 – 3rd 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, LLC (Aspect), prepared Progress Report No. 20 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. 20 is for the 3rd quarter 2023 reporting period ending on September 30, 2023.

Progress Made During the Reporting Period

The following sections detail the progress during the reporting period.

- Chri-Mar Building crawlspace ventilation O&M visits occurred on July 20, August 16, and September 28, 2023. Each O&M visit confirmed the fan is functional, and inducing a vacuum in the crawlspace.

- The Agency Review Draft RI was transmitted to Ecology on July 14, 2023 (Aspect, 2023b). Ecology approved the Agency Review Draft RI without comment on September 20, 2023, and requested a Public Review Draft RI be prepared. Aspect informed Ecology that additional groundwater VOC-data validation will require several weeks to complete. Ecology confirmed via email on October 3, 2023, that the Public Review Draft RI should be prepared and transmitted with the validated groundwater VOC results. The additional groundwater VOC data will be submitted to EIM within 30 days of validated data receipt.

- Indoor air, crawlspace, and ambient air sampling was conducted on September 28 and 29, 2023, in accordance with the Ecology-approved Ventilation Work Plan (Aspect, 2023a). Air

sampling data are not available at the time of this progress report and will be reported in the 4th quarter 2023 Progress Report.

- The Ecology review draft of the sampling and analysis plan (SAP) for post-Interim Action (IA) groundwater monitoring was transmitted to Ecology on August 4, 2023. The final SAP with no revisions was submitted to Ecology on August 11, 2023 (Aspect, 2023c).

- Six new groundwater monitoring wells were installed, per the SAP, on August 14 and 15, 2023. The 1st quarter of post-IA groundwater monitoring occurred on August 30 and 31, 2023. Post-IA groundwater monitoring analytical results are included in Table 1, on Figure 1, and laboratory analytical report(s) are included as Attachment A.

  Two wells scoped for sampling in the SAP were not sampled in August 2023. During the sampling event, it was observed that MW-17 was missing a cap and monument lid and had apparently filled with sediment. Aspect has a MW-17 redevelopment event and monument repair planned for October 19, 2023. MW-27 was observed to be dry during the August 2023 sampling event. Both of these wells will be sampled during the 2nd quarterly post-IA groundwater monitoring event, if possible.

Sampling and/or Testing Reports Received

Post-IA groundwater sampling results were received on September 11, 2023, and are included as Attachment A.

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 4th quarter 2023 activities.

Changes in Key Personnel

No changes in key personnel occurred during the 3rd quarter 2023.

Activities Planned for the Next Reporting Period

The following activities are planned for the 4th quarter 2023:

- The Public Review Draft RI Report will be transmitted to Ecology within 30 days of validated VOC data being received.

- The 2nd quarterly post-IA groundwater monitoring event is scheduled to occur during the last week of November 2023.

- The draft Jiffy Lube Site Cleanup Action Memorandum will be transmitted to Ecology.

The next quarterly progress report will be submitted on or before January 15, 2023.

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

Sincerely,

Aspect Consulting, LLC

Adam Griffin, PE
Senior Associate Engineer
agriffin@aspectconsulting.com

Breeyn Greer, PE
Project Engineer
bgreer@aspectconsulting.com

References:

Aspect Consulting, LLC (Aspect), 2019, Remedial Investigation Work Plan, Texaco Strickland Cleanup Site, Final March 6, 2019

Aspect Consulting, LLC (Aspect), 2023a, Ventilation Work Plan, Texaco Strickland Site, draft January 6, 2023.

Aspect Consulting, LLC (Aspect), 2023b, Remedial Investigation, Texaco Strickland Site, Agency Review Draft, July 14, 2023.

Aspect Consulting, LLC (Aspect), 2023c, Sampling and Analysis Plan for Groundwater Monitoring, Texaco Strickland Site, Final, August 11, 2023.

Attachments:

Table 1 – Groundwater Results – August 2023
Figure 1 – Groundwater Monitoring Results – August 2023
Attachment A – Laboratory Report

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

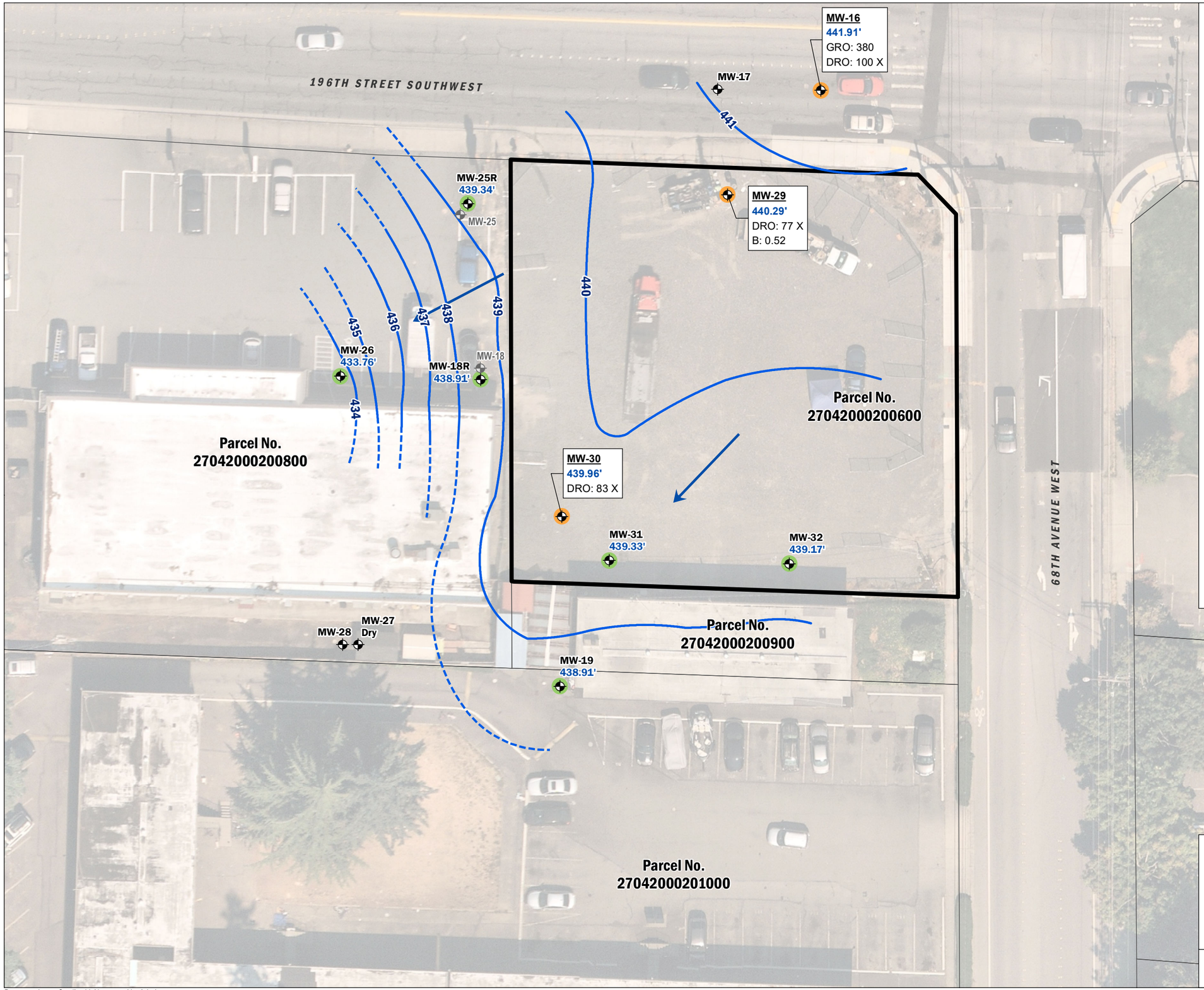
Table 1. Groundwater Results - August 2023

Project No. 180357, Texaco Strickland, Lynnwood, Washington

DRAFT
UNVALIDATED DATA

		Location	MW-16	MW-18R	MW-19	MW-25R	MW-26	MW-29	MW-30	MW-31	MW-32
		Date	08/31/2023	08/30/2023	08/30/2023	08/30/2023	08/30/2023	08/30/2023	08/30/2023	08/30/2023	08/31/2023
		Sample	MW-16-083023	MW-18R-083023	MW-19-083023	MW-25R-083023	MW-26-083023	MW-29-083023	MW-30-083023	MW-31-083023	MW-32-083023
Analyte	**Unit**	**Site Cleanup Level[1]**									
Total Petroleum Hydrocarbons (TPHs)											
Gasoline Range Organics	ug/L	800	**380**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Diesel Range Organics	ug/L	500	**100 X**	< 50 U	< 50 U	< 50 U	< 50 U	**77 X**	**83 X**	< 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	< 250 U
Diesel and Oil Extended Range Organics	ug/L	500	**100 X**	< 250 U	< 250 U	< 250 U	< 250 U	**77 X**	**83 X**	< 250 U	< 250 U
BTEX											
Benzene	ug/L	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	**0.52**	< 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	< 1 U
Ethylbenzene	ug/L	700	< 1 U	< 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	< 2 U
Polycyclic Aromatic Hydrocarbons (PAHs)											
Naphthalene	ug/L	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes:
Results in **bold** indicate the analyte was detected above the laboratory reporting limit
U = Analyte not detected at or above the laboratory Reporting Limit (RL) shown
X = Chromatographic pattern does not match fuel standard used for quantitation
ug/L = micrograms per liter
[1]Site Cleanup Levels set at the Model Toxics Control Act (MTCA) Method A groundwater cleanup levels



One or more analytes detected at concentrations less than the MTCA Method A cleanup levels in groundwater

Analytes not detected

Monitoring Well (Existing)

Monitoring Well (Decomissioned)

Groundwater Contour (dashed where inferred)

Approximate Groundwater Flow Direction

Subject Property

Snohomish County Tax Parcel

MW-30
439.96'
DRO: 83 X

Exploration Name
Groundwater Elevation (NAVD88 feet)
Analyte and it's concentration in micrograms per liter

Notes:
- GRO = Gasoline Range Hydrocarbons
- DRO = Diesel Range Hydrocarbons
- B = Benzene
- X = Chromatographic pattern does not match fuel standard used for quantification

N

0 30 60
Feet

Groundwater Monitoring Results - August 2023

Texaco Strickland Site
6808 196th Street SW
Lynwood, WA

Aspect Consulting	OCT-2023	BY: DRB / NLK	FIGURE NO. 1
	PROJECT NO. 180357	REVISED BY: ---	

Basemap Layer Credits || Nearmap Verticle Imagery

ATTACHMENT A

Laboratory Report

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.

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www.friedmanandbruya.com

September 11, 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 August 31, 2023 from the Texaco-Strickland 180357, F&BI 308491 project. There are 17 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
ASP0911R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 31, 2023 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Texaco-Strickland 180357, F&BI 308491 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Aspect Consulting, LLC
308491 -01	MW-18R-083023
308491 -02	MW-25R-083023
308491 -03	MW-26-083023
308491 -04	MW-29-083023
308491 -05	MW-19-083023
308491 -06	MW-30-083023
308491 -07	MW-31-083023
308491 -08	MW-16-083023
308491 -09	MW-32-083023
308491 -10	Trip Blank

All quality control requirements were acceptable.

Date of Report: 09/09/23
Date Received: 08/31/23
Project: Texaco-Strickland 180357, F&BI 308491
Date Extracted: 09/05/23
Date Analyzed: 09/05/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
MW-18R-083023 308491-01	<100	97
MW-25R-083023 308491-02	<100	95
MW-26-083023 308491-03	<100	99
MW-29-083023 308491-04	<100	101
MW-19-083023 308491-05	<100	100
MW-30-083023 308491-06	<100	102
MW-31-083023 308491-07	<100	98
MW-16-083023 308491-08	380	103
MW-32-083023 308491-09	<100	100
Method Blank 03-2071 MB	<100	100

Date of Report: 09/09/23
Date Received: 08/31/23
Project: Texaco-Strickland 180357, F&BI 308491
Date Extracted: 09/01/23
Date Analyzed: 09/01/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
MW-18R-083023 308491-01	<50	<250	90
MW-25R-083023 308491-02	<50	<250	90
MW-26-083023 308491-03	<50	<250	87
MW-29-083023 308491-04	77 x	<250	91
MW-19-083023 308491-05	<50	<250	82
MW-30-083023 308491-06	83 x	<250	90
MW-31-083023 308491-07	<50	<250	103
MW-16-083023 308491-08	100 x	<250	91
MW-32-083023 308491-09	<50	<250	87
Method Blank 03-2065 mb2	<50	<250	90

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18R-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-01
Date Analyzed:	09/06/23	Data File:	090634.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	102	72	130

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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-25R-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-02
Date Analyzed:	09/06/23	Data File:	090635.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	101	72	130

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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-26-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-03
Date Analyzed:	09/06/23	Data File:	090636.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	98	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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-29-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-04
Date Analyzed:	09/06/23	Data File:	090637.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	102	72	130

Compounds:	Concentration ug/L (ppb)
Benzene	0.52
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-19-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-05
Date Analyzed:	09/06/23	Data File:	090638.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	99	72	130

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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-30-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-06
Date Analyzed:	09/06/23	Data File:	090639.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	101	72	130

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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-31-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-07
Date Analyzed:	09/06/23	Data File:	090640.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	101	72	130

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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-16-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-08
Date Analyzed:	09/06/23	Data File:	090641.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	101	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

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-32-083023	Client:	Aspect Consulting, LLC
Date Received:	08/31/23	Project:	Texaco-Strickland 180357
Date Extracted:	09/06/23	Lab ID:	308491-09
Date Analyzed:	09/06/23	Data File:	090642.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	102	72	130

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

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:	09/06/23	Lab ID:	03-1982 mb
Date Analyzed:	09/06/23	Data File:	090607.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	98	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

Date of Report: 09/09/23
Date Received: 08/31/23
Project: Texaco-Strickland 180357, F&BI 308491

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

Laboratory Code: 308491-01 (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	100	70-130

Date of Report: 09/09/23
Date Received: 08/31/23
Project: Texaco-Strickland 180357, F&BI 308491

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

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	84	95	65-151	12

Date of Report: 09/09/23
Date Received: 08/31/23
Project: Texaco-Strickland 180357, F&BI 308491

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

Laboratory Code: 308491-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Benzene	ug/L (ppb)	10	<0.35	108	50-150
Toluene	ug/L (ppb)	10	<1	105	50-150
Ethylbenzene	ug/L (ppb)	10	<1	107	50-150
m,p-Xylene	ug/L (ppb)	20	<2	104	50-150
o-Xylene	ug/L (ppb)	10	<1	103	50-150
Naphthalene	ug/L (ppb)	10	<1	94	50-150

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	105	106	70-130	1
Toluene	ug/L (ppb)	10	106	105	70-130	1
Ethylbenzene	ug/L (ppb)	10	108	107	70-130	1
m,p-Xylene	ug/L (ppb)	20	105	105	70-130	0
o-Xylene	ug/L (ppb)	10	104	104	70-130	0
Naphthalene	ug/L (ppb)	10	95	94	70-130	1

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.

308491

SAMPLE CHAIN OF CUSTODY 08/31/23 VWS/F3

Report To Daniel Babcock
Company Aspect Consulting
Address 710 2nd Ave #550
City, State, ZIP Seattle, WA, 98104
Phone 404-210-6437 Email dbabcock@aspectconsulting.com

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

Page # _____ of _____

TURNAROUND TIME
☑ Standard turnaround
☐ RUSH _____
Rush charges authorized by: _____

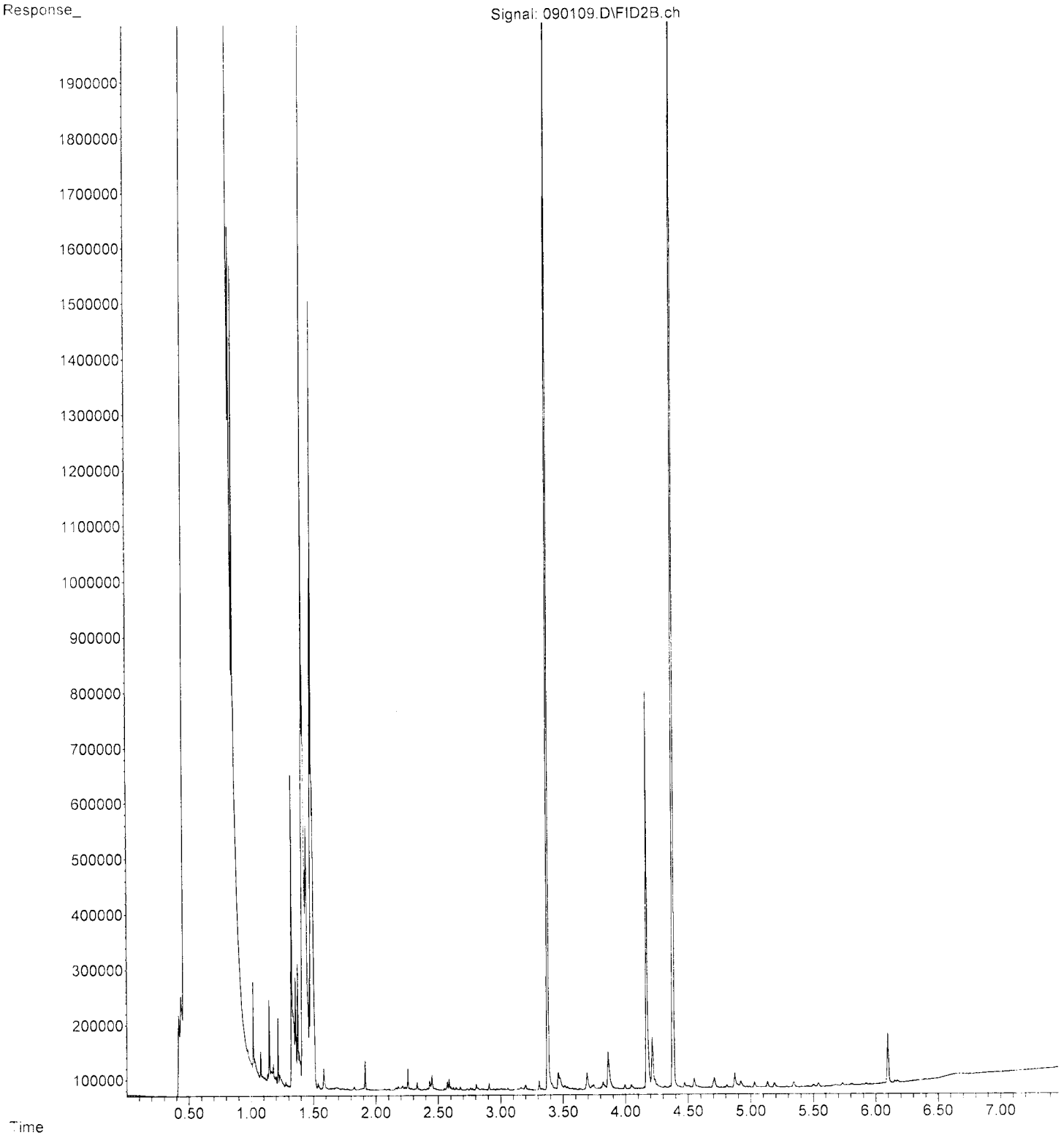
SAMPLE DISPOSAL
☐ Archive samples
☐ Other _____
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX + Naphthalene by EPA 8260			Notes
						ANALYSES REQUESTED										
MW-18R-083023	01 A-G	8/30/23	0935	W	7	X	X	~~X~~					X			
MW-25R-083023	02		1040													
MW-26-083023	03		1150													
MW-29-083023	04		1425													
MW-19-083023	05		1320													
MW-30-083023	06		1545													
MW-31-083023	07	↓	1650													
MW-16-083123	08	8/31/23	0955													
MW-32-083123	09	↓		↓	↓	↓	↓						↓			Samples received at 0 °C
Trip Blank	10 A-B	–	–	water	2											Added at lab (AP)

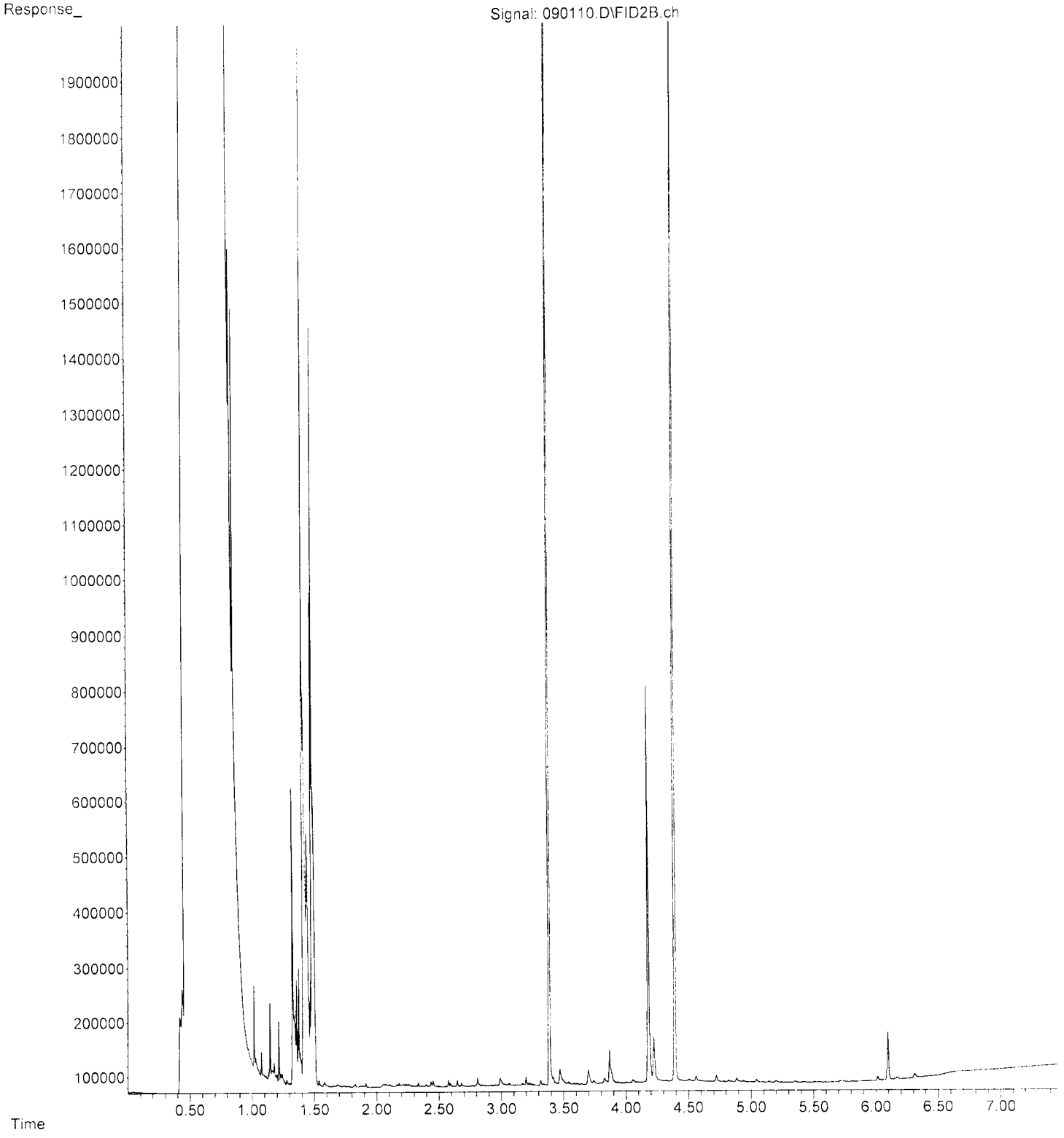
SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Carmen Tappen	Carmen Tappen	Aspect Consulting	8/31/23	1340
Received by:	ANH PHAN	FSB	08/31/23	13:40
Relinquished by:				
Received by:				

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

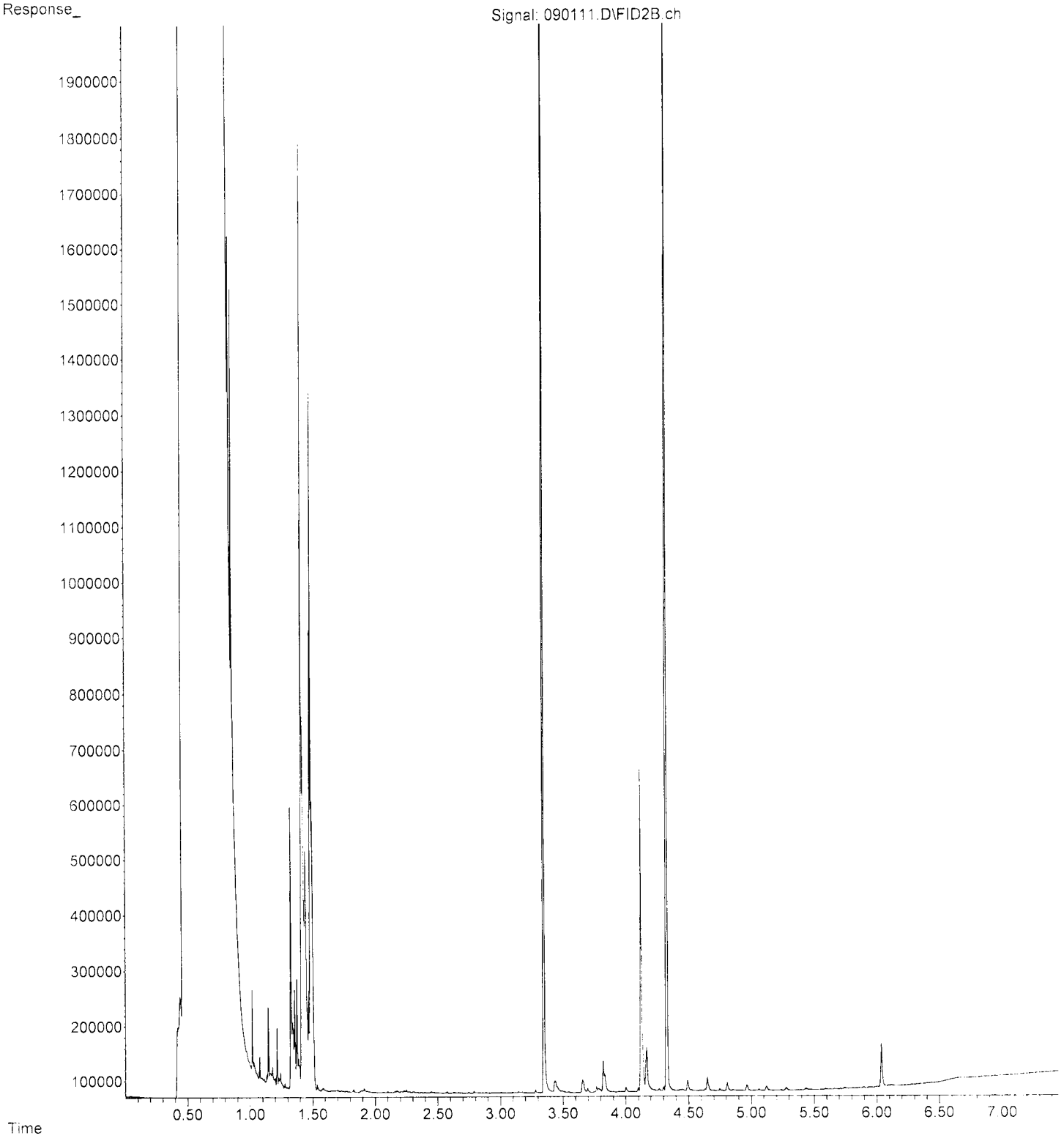
File :P:\Proc_GC10\09-01-23\090109.D
Operator : TL
Acquired : 01 Sep 2023 09:36 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-01
Misc Info :
Vial Number: 11



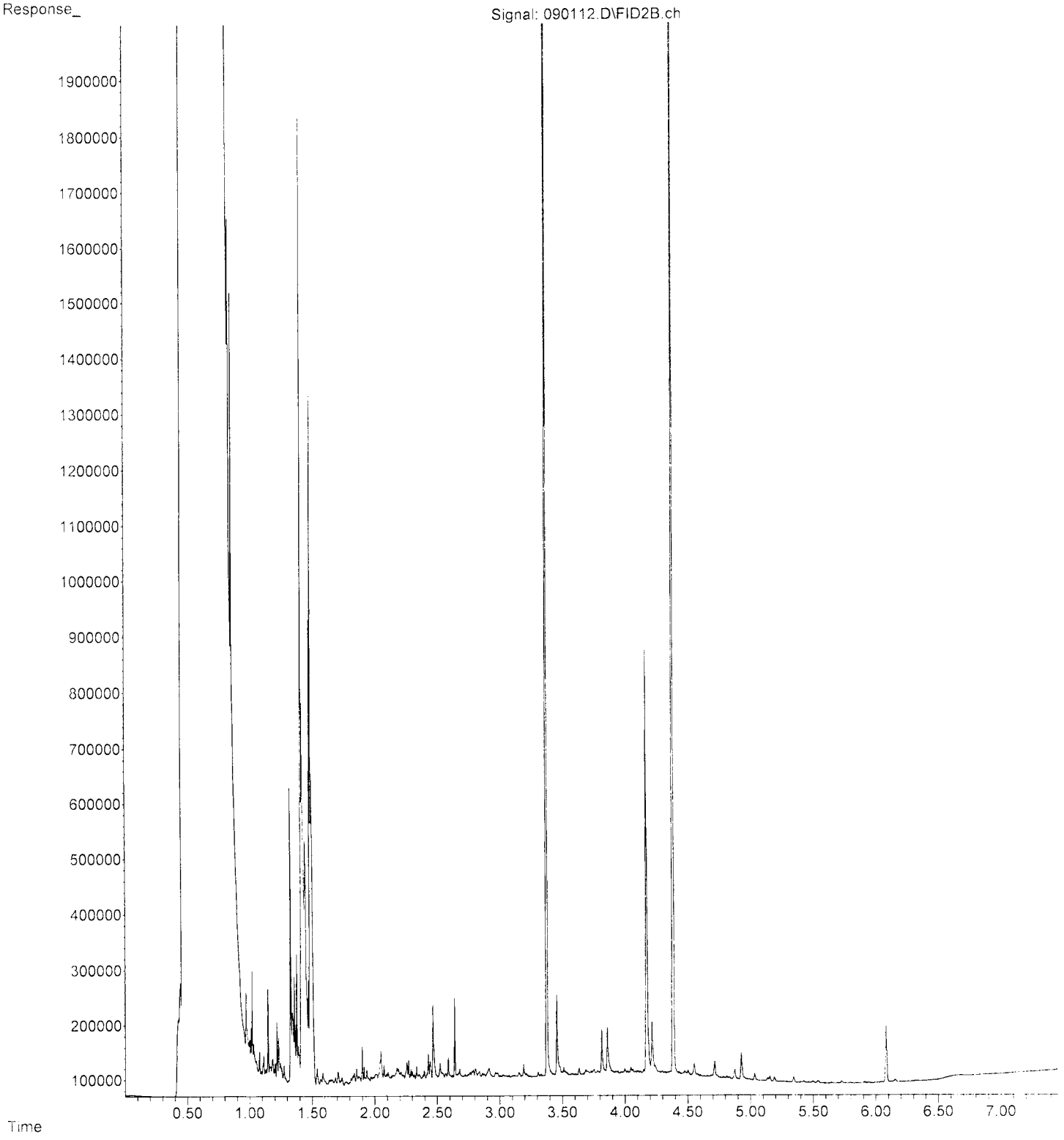
File :P:\Proc_GC10\09-01-23\090110.D
Operator : TL
Acquired : 01 Sep 2023 09:48 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-02
Misc Info :
Vial Number: 12



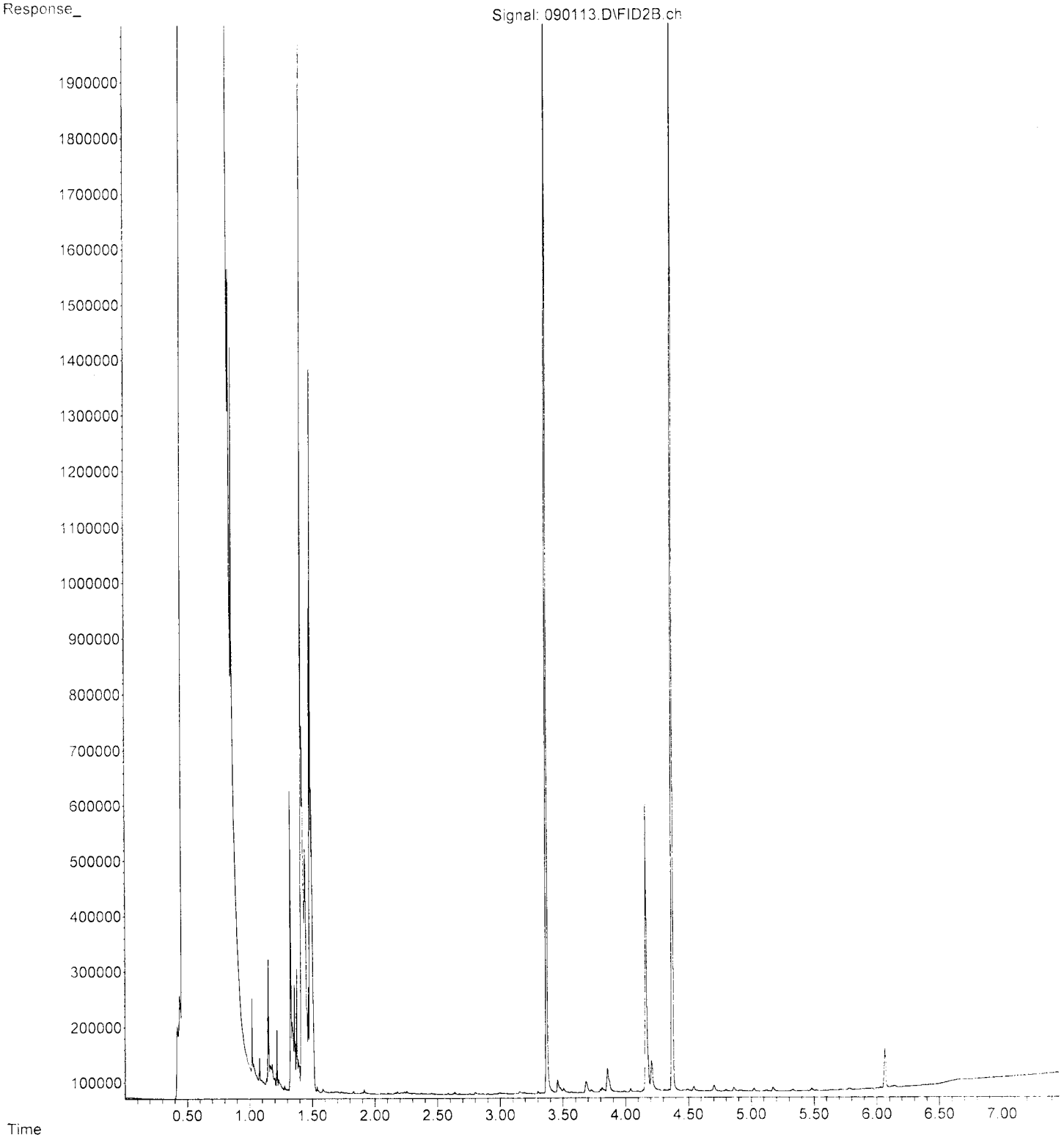
File :P:\Proc_GC10\09-01-23\090111.D
Operator : TL
Acquired : 01 Sep 2023 09:59 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-03
Misc Info :
Vial Number: 13



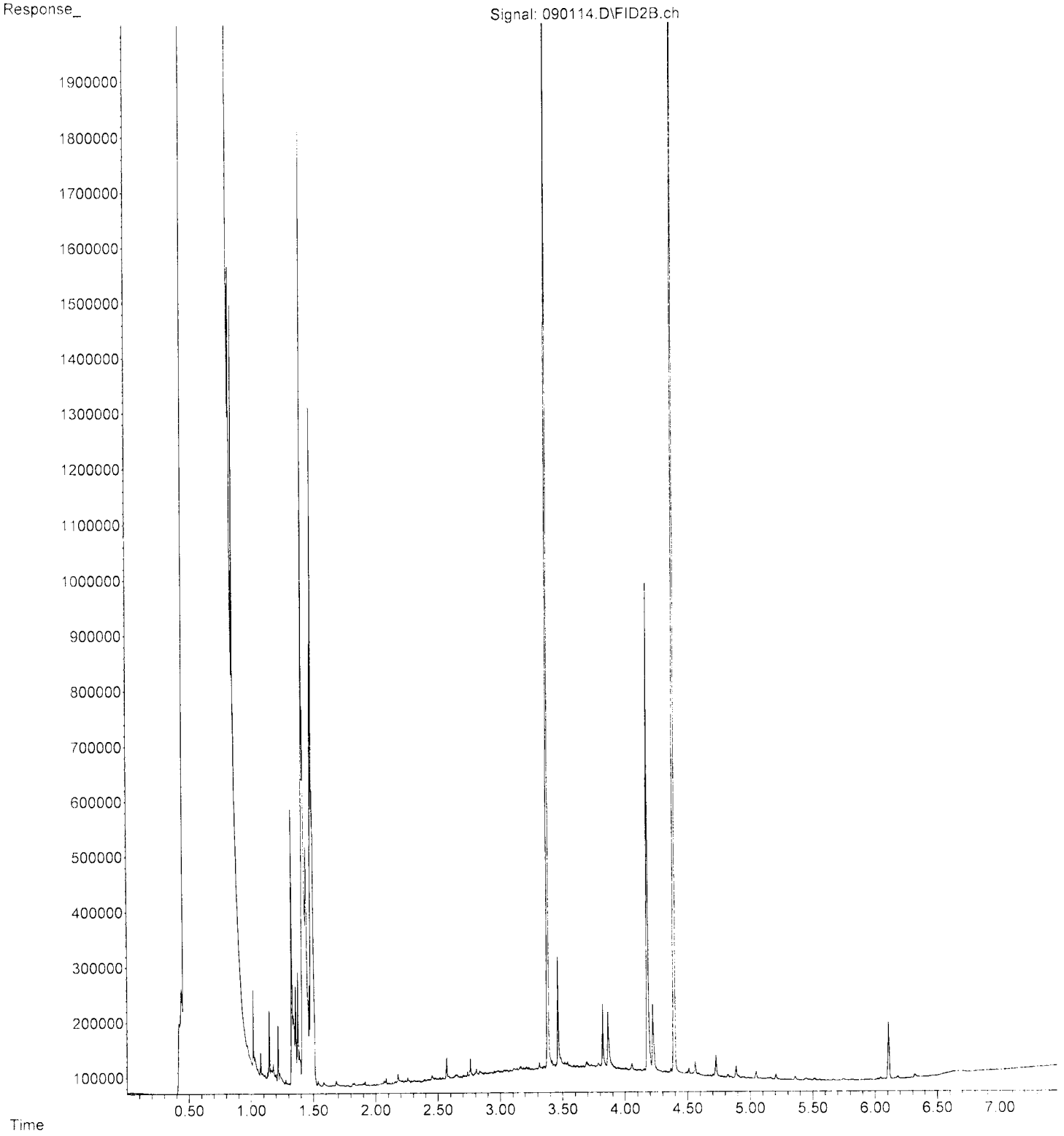
File :P:\Proc_GC10\09-01-23\090112.D
Operator : TL
Acquired : 01 Sep 2023 10:11 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-04
Misc Info :
Vial Number: 14



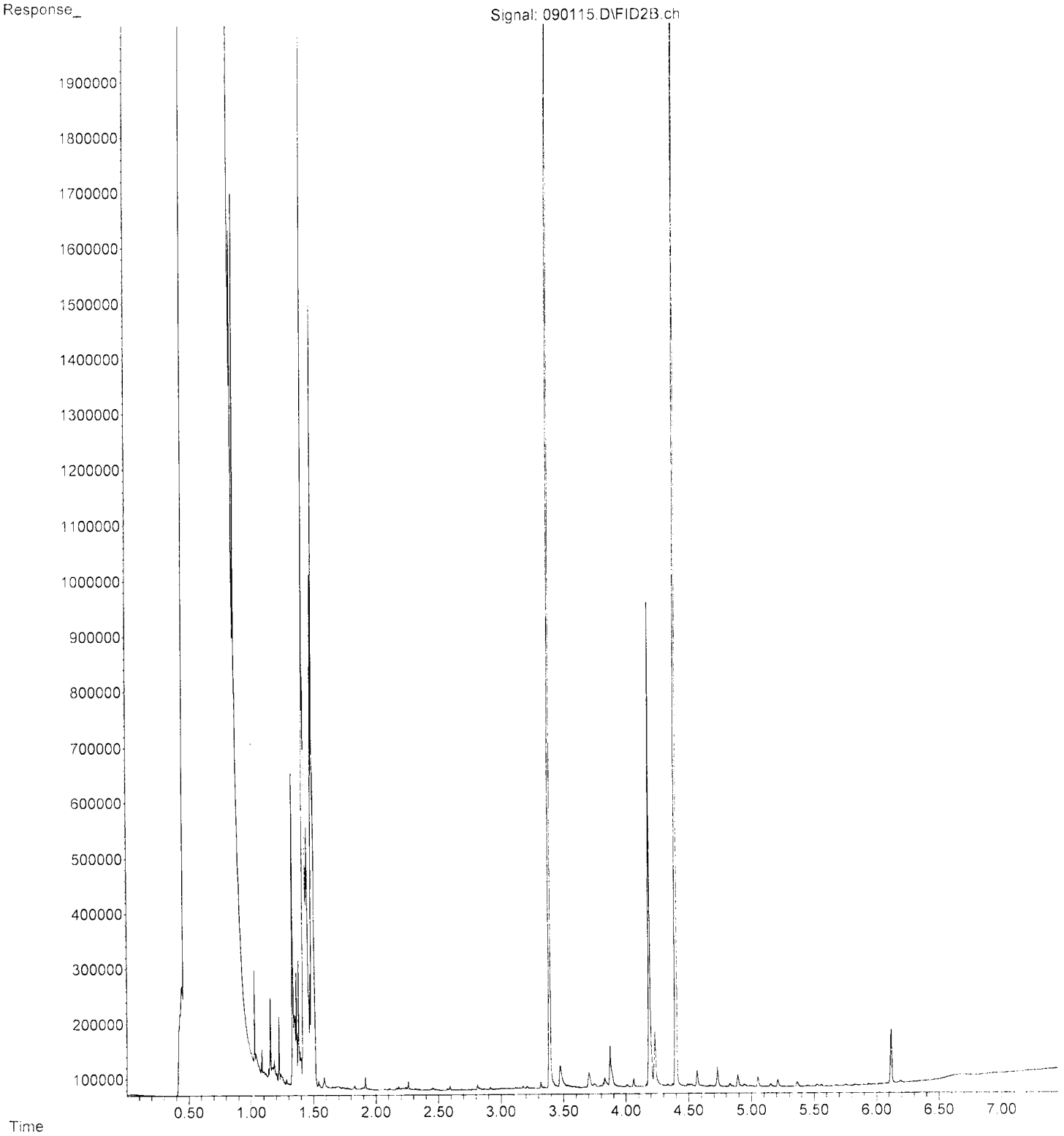
File :P:\Proc_GC10\09-01-23\090113.D
Operator : TL
Acquired : 01 Sep 2023 10:23 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-05
Misc Info :
Vial Number: 15



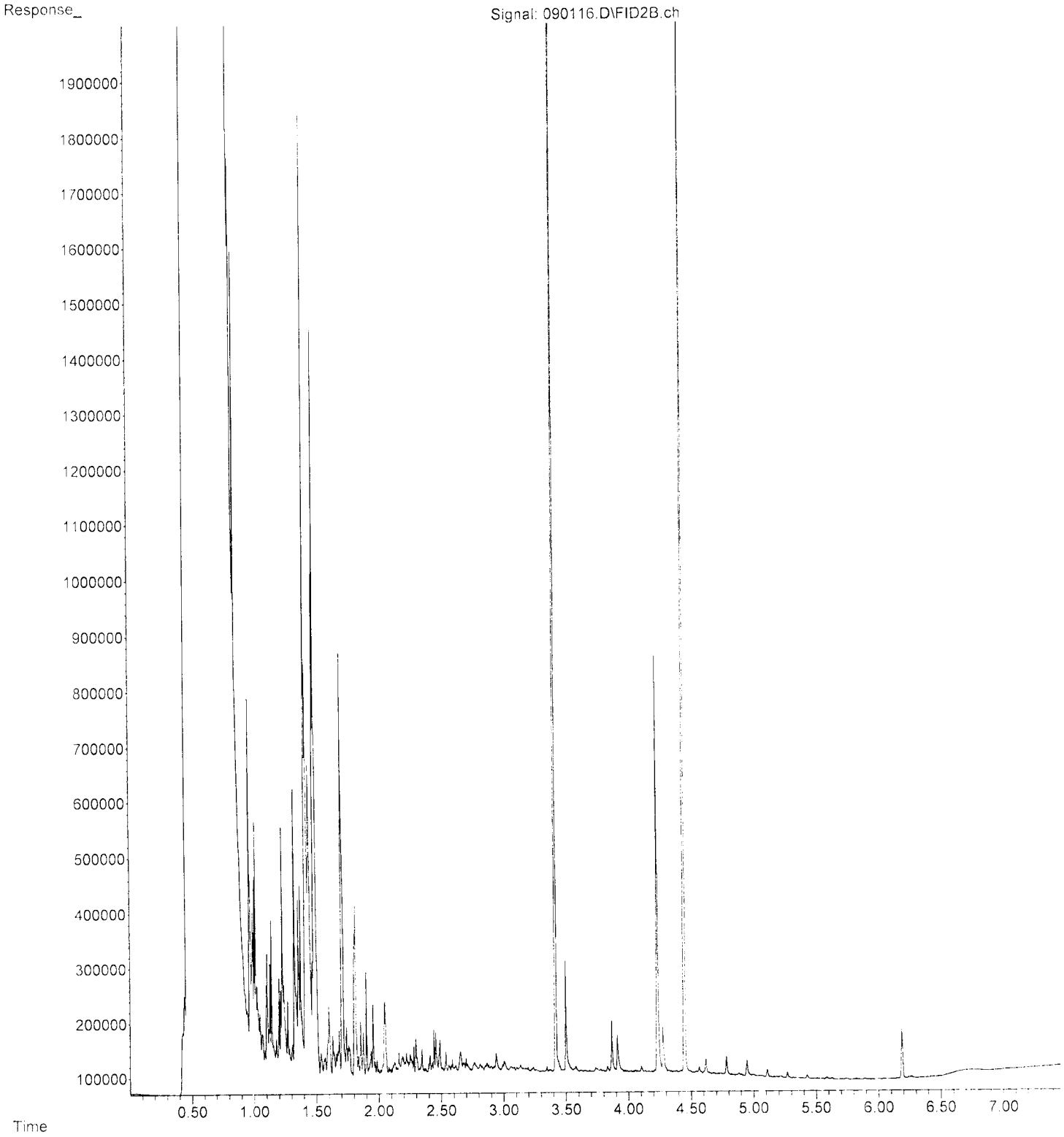
File :P:\Proc_GC10\09-01-23\090114.D
Operator : TL
Acquired : 01 Sep 2023 10:35 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-06
Misc Info :
Vial Number: 16



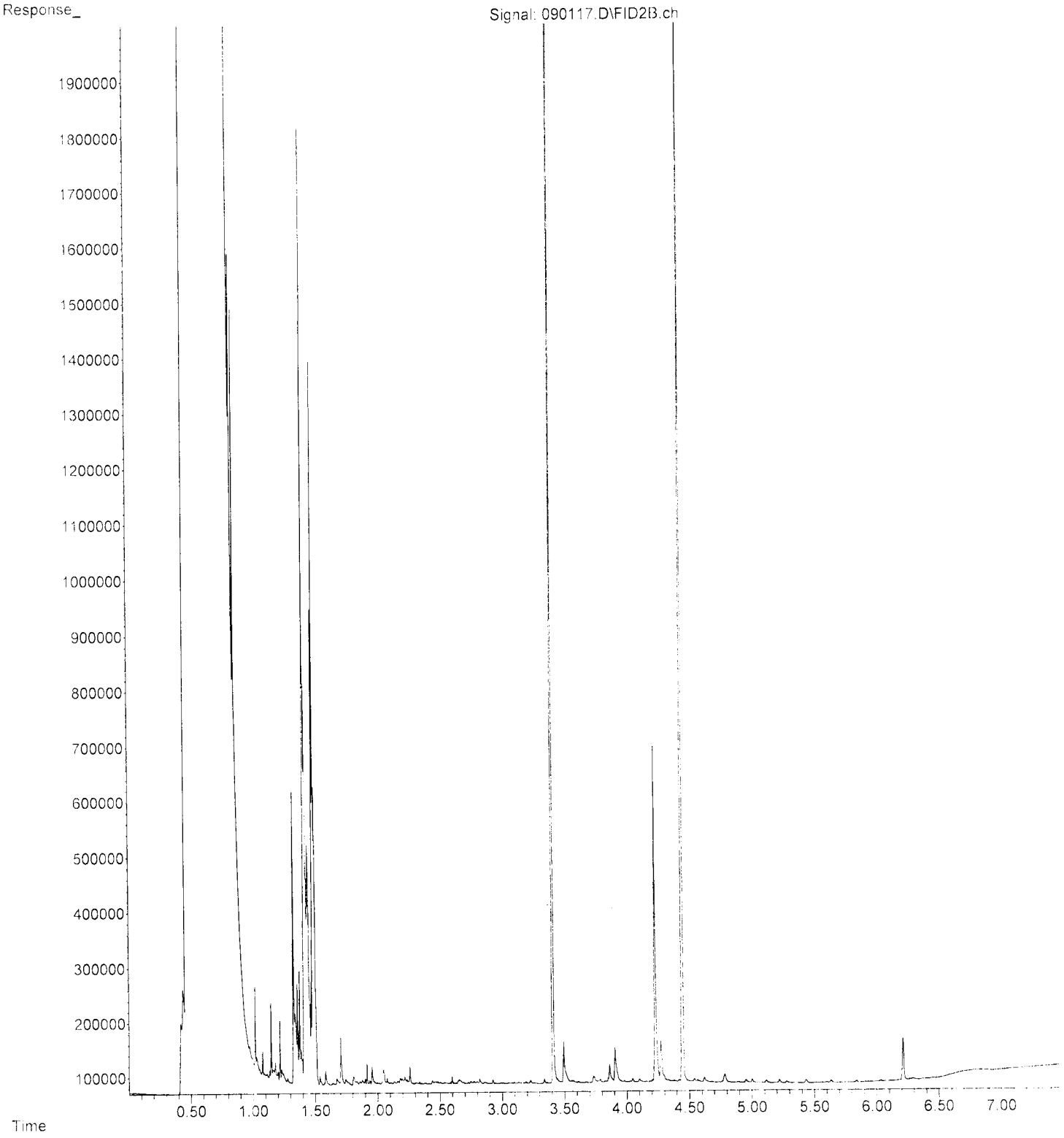
File :P:\Proc_GC10\09-01-23\090115.D
Operator : TL
Acquired : 01 Sep 2023 10:46 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-07
Misc Info :
Vial Number: 17



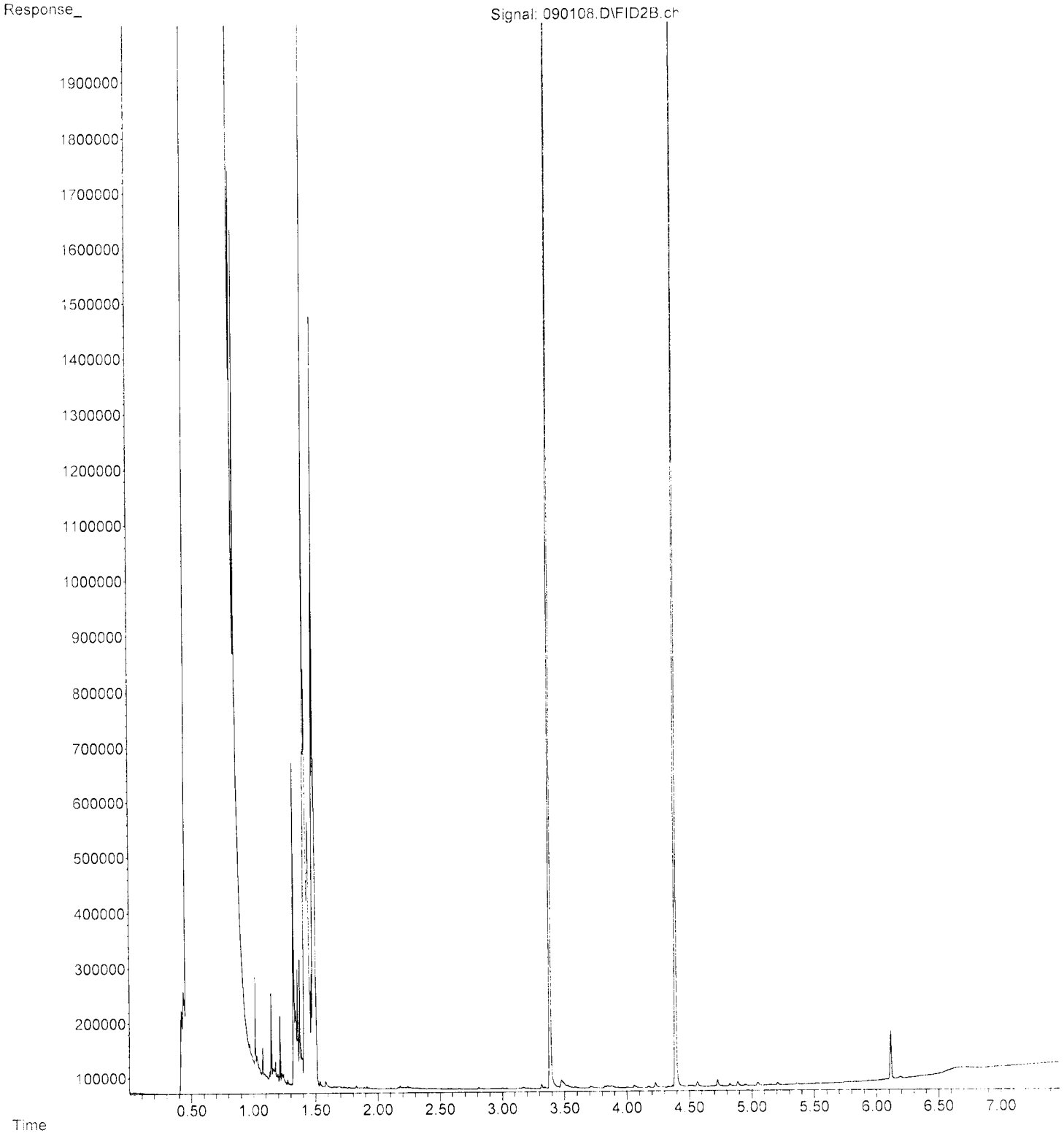
File :P:\Proc_GC10\09-01-23\090116.D
Operator : TL
Acquired : 01 Sep 2023 10:59 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-08
Misc Info :
Vial Number: 18



File :P:\Proc_GC10\09-01-23\090117.D
Operator : TL
Acquired : 01 Sep 2023 11:11 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 308491-09
Misc Info :
Vial Number: 19



File :P:\Proc_GC10\09-01-23\090108.D
Operator : TL
Acquired : 01 Sep 2023 09:24 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 03-2065 mb2
Misc Info :
Vial Number: 10



File :P:\Proc_GC10\09-01-23\090103.D
Operator : TL
Acquired : 01 Sep 2023 07:37 am using AcqMethod DX.M
Instrument : GC10
Sample Name: 500 DX 69-104B
Misc Info :
Vial Number: 3