PIONEER
Engineering & Environmental Services, LLC

2753 West 31st Street | Chicago, IL 60608
Tel: 773-722-9200 | Fax: 773-722-9201 | pioneerEES.com

Transmitted via Electronic Mail

April 10, 2025

Ms. Tena Seeds
Washington State Department of Ecology
Toxics Cleanup Program
15700 Dayton Ave N., Shoreline, WA 98133

RE: **Quarterly Progress Report: January 1 through March 31, 2025**
Time Oil Bulk Terminal Site, Cleanup Site ID #14604
Prospective Purchaser Consent Decree No. 20-2-15215-3 SEA

Dear Ms. Seeds:

Pioneer Engineering & Environmental Services, LLC on behalf of TOC Seattle Terminal 1, LLC submits the attached Quarterly Progress Report for the Time Oil Bulk Terminal Site per Section XII of the Prospective Purchaser Consent Decree between the Washington State Department of Ecology and TOC Seattle Terminal 1, LLC. The quarterly progress report consists of a brief narrative summary of notable activities that occurred during the reporting period and that are anticipated for the upcoming reporting period.

If you have any questions about this report, please contact me at 773-435-3725.

Sincerely,

Kim Hempel
Project Coordinator
Pioneer Engineering & Environmental Services, LLC

Distribution List:
Doug Ciserella and Mike Ciserella, TOC Seattle Terminal 1, LLC
Bill Joyce and Alexandra Kleeman, Hillis Clark Martin & Peterson P.S.
Jamie Stevens, CRETE Consulting
Kristin Anderson, Floyd|Snider

TIME OIL BULK TERMINAL SITE
PROSPECTIVE PURCHASER CONSENT DECREE NO. 20-2-15215-3 SEA
QUARTERLY PROGRESS REPORT: JANUARY 1 THROUGH MARCH 31, 2025

This report has been prepared in accordance with the requirements of the Time Oil Bulk Terminal Site Prospective Purchaser Consent Decree (PPCD) between the Washington State Department of Ecology (Ecology) and TOC Seattle Terminal 1, LLC. This progress report provides details on the following: 1) all on site activities; 2) any deviations from required tasks; 3) anticipated problems in meeting schedule or objectives and associated solutions 4) sampling, testing, or other data received; 5) work planned for the upcoming 3-month period; and, 6) deliverables planned for the upcoming 3-month period.

Summary of On-Site Activities Performed During the Reporting Period (PPCD Section XII.A)

- A visual check of the site was conducted on February 13, 2025 and March 4, 2025. All interim surfaces on remaining portions of the Site remain in good condition, with the exception of a few areas on the Swell Management Area (SMA) where the geotextile fabric was no longer secured due to high winds. The geotextile fabric on the SMA was re-secured on February 13, 2025. No other concerns were noted during the site visits.
- Construction associated with redevelopment continues on Parcel F.
- Floyd|Snider (F|S) personnel performed a synoptic site-wide gauging event in coordination with BNSF, per Ecology's request via email dated February 4, 2025, and collected the ninth round of post-remediation groundwater samples on March 3, 2025 (Q1 2025) per the approved Groundwater Monitoring Plan (GMP) and additional Ecology email concurrence dated January 15 and February 12, 2025. Monitoring included continued groundwater collection at contingency well 01MW107; additional sampling at 01MW15 and 01MW58R based on elevated trichloroethene (TCE) in upgradient portions of the ASKO property and on the BNSF Property; and sampling at MW01 and 01MW60 prior to well decommissioning per Ecology's request.
- Water samples were collected from the ASKO Property permeable reactive barrier vault and gravity well on March 3, 2025 for operation and maintenance (O&M) assessment purposes. O&M assessment of the permeable reactive barrier vault will continue in Q2 2025.
- A licensed driller from Holt Services, Inc. (Holt), with oversight by a F|S hydrogeologist, decommissioned monitoring wells (01MW06, 01MW08, 01MW30, MW01, MW02, MW03R, 01MW61, 02MW01, and 02MW18) on March 13, 2025, as approved by Ecology in an email dated January 15, 2025. 01MW12 was found to be buried approximately 3 feet below the finished grade of Lot F following building construction and the field geologist elected to decommission this well as a BMP due to concern with maintaining a continuous well seal if a repair was attempted to extend the well casing.
- Additional PlumeStop injections were performed by Regenesis Remediation Services (RRS) and Holt, with oversight by F|S on the ASKO property on March 12 and 13, 2025, per Ecology's email concurrence dated February 19, 2025.

Deliverables

Deliverables during this reporting period included the following:

- Groundwater sampling results for the fourth quarter of 2024 were submitted to Ecology via email on January 7, 2025.
- The Quarterly Progress Report for the fourth quarter of 2024 was submitted to Ecology on January 13, 2025.
- A BNSF data gap summary table and associated map were submitted to Ecology via email on February 11, 2025.
- A Notification of Construction for the western portion of the Upland parcels (excluding Lot F) was initially submitted to Ecology on February 12, 2025, and a revised Notification of Construction, dated February 19, 2025 was approved by Ecology via email on February 20, 2025. Construction on the remaining portions of

the ASKO and Bulk Terminal parcels (outside of Lot F) is currently delayed, and this schedule update was conveyed to Ecology in an email dated March 26, 2025.
- The Long-Term Compliance Monitoring Annual Report for 2024 activities was submitted to Ecology on February 26, 2025, and Ecology subsequently provided comments via email on March 6, 2025. F|S provided the requested water level and well elevation table for all wells measured during 2023 and 2024 groundwater monitoring activities and requested clarification on Ecology comments via email on March 12, 2025; Ecology responded via email on March 13, 2025.
- Groundwater sampling results for the first quarter of 2025 and associated contour maps were submitted to Ecology via email on March 31, 2025.

Deviations from Required Tasks (PPCD Section XII.B)

- None.

Anticipated Problems in Meeting Schedule or Objectives and Associated Solutions (PPCD Section XII.C and XII.D)

- Based on groundwater samples collected by BNSF in late 2023 and throughout 2024, TCE and associated cVOC as well as TPH contaminant concentrations originating from the upgradient BNSF property were identified in upgradient groundwater as part of the BNSF remedial investigation at levels considerably higher than those observed in the 2019 remedial investigation for the Time Oil Bulk Terminal Site. The elevated TCE and cVOC concentrations in groundwater on BNSF are impacting the shallow water bearing zone (WBZ) in groundwater wells on the downgradient ASKO parcel owned by TOC Seattle Terminal 1, LLC. These impacts, if they continue, represent an on-going source to groundwater and may affect achievement of the cleanup levels (CULs) at the conditional point of compliance (CPOC) within the predicted 15-year restoration timeframe. TOC Seattle Terminal 1, LLC performed supplemental PlumeStop injection upgradient of the CPOC to improve groundwater quality at the CPOC, however source control is still needed on the BNSF property to ensure compliance with CULs.
- Aside from the item above, there are no other anticipated problems in meeting the schedule of deliverables specified in Exhibit D of the PPCD. The schedule of deliverables and activities specified in Table 8.1 of the Cleanup Action Plan (Exhibit C of the PPCD) are currently on track or ahead of schedule.

Raw Data Received (PPCD Section XII.E)

- Groundwater sampling results for the 1st Quarter 2025 were received from Friedman & Bruya, Inc. on March 12, 2025. Results were received in one sample delivery group (F&BI 503011);
- Samples collected for O&M purposes from the ASKO property permeable reactive barrier vault and gravity well were received on March 11, 2025. Results were received in one sample delivery group (F&BI 503010); and
- Copies of the laboratory reports discussed herein are provided as an attachment to this Progress Report.

Work Planned During the Upcoming Reporting Period (PPCD Section XII.F)

The following work is planned for the 2nd Quarter 2025:

- Tenth round of groundwater sampling is scheduled for June 2025;
- Review of any additional data or deliverables that may be provided by BNSF;
- Construction on Lot F continues and is anticipated to be completed in late April 2025;
- Vapor sampling for the structure on Lot F will be scheduled pending building completion; and
- Site checks will be conducted periodically on all interim surfaces outside of Lot F to ensure that conditions remain stable during the interim period prior to site development.

Deliverables Planned During the Upcoming Reporting Period (PPCD Section XII.G)

The following deliverables are anticipated to be completed during the next quarterly reporting period of April through June 2025:

- Submittal of the Quarterly Progress Report for the 1st Quarter 2025;
- Submittal of updated Financial Assurance costs per the PPCD; and
- Transmittal of a summary of 2nd Quarter 2025 groundwater sampling results to Ecology via email.

Other Pertinent Information, Including Changes in Key Personnel

- None.

Attachments

- Attachment 1 – Laboratory Analytical Reports

END QUARTERLY PROGRESS REPORT

ATTACHMENT 1

Laboratory Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya
Ann Webber-Bruya
Michael Erdahl
Vineta Mills
Eric Young

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

March 11, 2025

Pamela Osterhout, Project Manager
Floyd-Snider
Two Union Square
601 Union St, Suite 600
Seattle, WA 98101

Dear Ms Osterhout:

Included are the results from the testing of material submitted on March 3, 2025 from the Cantera/Time Oil, F&BI 503010 project. There are 7 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Floyd Snider Lab Data, Kristin Anderson
FDS0311R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 3, 2025 by Friedman & Bruya, Inc. from the Floyd-Snider Cantera/Time Oil, F&BI 503010 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Floyd-Snider
503010 -01	Gravity-030325
503010 -02	Clear Vault-030325
503010 -03	Inf Vault-030325
503010 -04	Trip Blank

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Gravity-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503010
Date Extracted:	03/07/25	Lab ID:	503010-01
Date Analyzed:	03/10/25	Data File:	031011.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.63
cis-1,2-Dichloroethene	2.6
Trichloroethene	16

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Clear Vault-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503010
Date Extracted:	03/07/25	Lab ID:	503010-02
Date Analyzed:	03/08/25	Data File:	030743.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
cis-1,2-Dichloroethene	<1
Trichloroethene	7.3

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Inf Vault-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503010
Date Extracted:	03/07/25	Lab ID:	503010-03
Date Analyzed:	03/08/25	Data File:	030744.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.081
cis-1,2-Dichloroethene	2.0
Trichloroethene	91

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	Cantera/Time Oil, F&BI 503010
Date Extracted:	03/07/25	Lab ID:	05-0524 mb
Date Analyzed:	03/08/25	Data File:	030742.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.05

Date of Report: 03/11/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503010

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

Laboratory Code: 503010-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	103	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	98	10-211
Trichloroethene	ug/L (ppb)	10	7.3	100 b	35-149

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	106	106	64-142	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	102	101	70-130	1
Trichloroethene	ug/L (ppb)	10	104	104	70-130	0

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 between the method detection limit and the lowest calibration point. 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.

503010

SAMPLE CHAIN OF CUSTODY

03/03/25 VW2

Page # 1 of 1

Report To Pamela Osterhout + Kristin
Company Floyd Snider
Address 601 Union St, Suite 600
City, State, ZIP Seattle, WA
Phone 206 805-2188 Email lab.data@floydsnider.com

SAMPLERS (*signature*)

PROJECT NAME: Cantera / Time Oil

PO #

REMARKS: CVOCs = TCE, cis-1,2-DCE and V.C.
Project specific RLs? - Yes / No

INVOICE TO: Pioneer

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	cVOCs 8260				Notes
Gravity-030325	01A-C	3/3/25	13:00	W	3								✓				
Clear Vault-030325	02	"	14:00	"	3								✓				
Inf Vault-030325	03	"	14:45	"	3								✓				
Trip Blank	04A-B	-	-	Water	2												Added at lab AP 3/4/25

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	meg mccann	Floyd Snider	3/3/25	17:09
Received by:	VINH	FBI	3-3-25	17:09
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
5500 4th Ave S.
Seattle WA 98108
(206) 285-8282
office@friedmanandbruya.com

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 503010 CLIENT Floyd Snider INITIALS/ DATE: AP 03/03/25

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature 3 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
☑ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO Initials/ AP Date: 03/04/25
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☐ YES ☑ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☐ Yes ☑ No	Added Trip Blank at lab.	☐ Not on COC/label
Date Sampled	☑ Yes ☐ No		☐ Not on COC/label
Time Sampled	☑ Yes ☐ No		☐ Not on COC/label
# of Containers	☑ Yes ☐ No		
Relinquished	☑ Yes ☐ No		
Requested analysis	☑ Yes ☐ On Hold		

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☑ NA ☐ YES ☐ NO

Number of unused TO15 canisters _____ **Number of unused TO17 tubes** _____

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya
Ann Webber-Bruya
Michael Erdahl
Vineta Mills
Eric Young

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

March 12, 2025

Pamela Osterhout, Project Manager
Floyd-Snider
Two Union Square
601 Union St, Suite 600
Seattle, WA 98101

Dear Ms Osterhout:

Included are the results from the testing of material submitted on March 3, 2025 from the Cantera/Time Oil, F&BI 503011 project. There are 27 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Floyd Snider Lab Data, Kristin Anderson
FDS0312R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 3, 2025 by Friedman & Bruya, Inc. from the Floyd-Snider Cantera/Time Oil, F&BI 503011 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Floyd-Snider
503011 -01	01MW12-030325
503011 -02	01MW19R-030325
503011 -03	01MW40-030325
503011 -04	01MW84-030325
503011 -05	01MW66-030325
503011 -06	MW01-030325
503011 -07	01MW15-030325
503011 -08	01MW46-030325
503011 -09	01MW53R-030325
503011 -10	01MW56-030325
503011 -11	01MW58R-030325
503011 -12	01MW61-030325
503011 -13	01MW85-030325
503011 -14	01MW107-030325
503011 -15	MW05-030325
503011 -16	MW06-030325
503011 -17	01MW58R-D-030325

All quality control requirements were acceptable.

Date of Report: 03/12/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503011
Date Extracted: 03/04/25
Date Analyzed: 03/04/25

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)
01MW12-030325 503011-01	<100	80
01MW19R-030325 503011-02	500	98
01MW40-030325 503011-03	<100	80
01MW84-030325 503011-04	960	86
MW01-030325 503011-06	<100	80
01MW61-030325 503011-12	<100	78
Method Blank 05-461 MB	<100	82

Date of Report: 03/12/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503011
Date Extracted: 03/05/25
Date Analyzed: 03/05/25

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)
01MW12-030325 503011-01	1,000 x	380 x	132
01MW19R-030325 503011-02	510 x	<250	127
01MW40-030325 503011-03	1,700 x	410 x	135
01MW84-030325 503011-04	440 x	<250	121
MW01-030325 503011-06	140 x	<250	134
01MW58R-030325 503011-11	770 x	<250	122
01MW61-030325 503011-12	470 x	<250	140
01MW58R-D-030325 503011-17	1,000 x	<250	146
Method Blank 05-600 MB	<50	<250	122

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW12-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-01
Date Analyzed:	03/10/25	Data File:	031012.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	71	132
Toluene-d8	98	68	139
4-Bromofluorobenzene	115	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW19R-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-02
Date Analyzed:	03/10/25	Data File:	031015.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	94	68	139
4-Bromofluorobenzene	112	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	1.1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW40-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-03
Date Analyzed:	03/10/25	Data File:	031013.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	113	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW84-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-04
Date Analyzed:	03/10/25	Data File:	031014.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	96	68	139
4-Bromofluorobenzene	108	62	136

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW01-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-06
Date Analyzed:	03/10/25	Data File:	031018.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	71	132
Toluene-d8	93	68	139
4-Bromofluorobenzene	110	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
cis-1,2-Dichloroethene	<1
Benzene	<0.35
Trichloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW15-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-07
Date Analyzed:	03/10/25	Data File:	031022.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	110	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	110
cis-1,2-Dichloroethene	41
Trichloroethene	7.4

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW46-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-08 1/10
Date Analyzed:	03/10/25	Data File:	031026.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	71	132
Toluene-d8	93	68	139
4-Bromofluorobenzene	116	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	130
cis-1,2-Dichloroethene	550
Benzene	<3.5
Trichloroethene	130

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW53R-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-09
Date Analyzed:	03/10/25	Data File:	031016.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	117	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.38
cis-1,2-Dichloroethene	2.2
Trichloroethene	22

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW56-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-10
Date Analyzed:	03/10/25	Data File:	031017.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	71	132
Toluene-d8	92	68	139
4-Bromofluorobenzene	113	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.4
cis-1,2-Dichloroethene	1.1
Trichloroethene	3.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW58R-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-11 1/10
Date Analyzed:	03/10/25	Data File:	031024.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	110	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	75
cis-1,2-Dichloroethene	380
Trichloroethene	340

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW61-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-12
Date Analyzed:	03/10/25	Data File:	031019.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	95	68	139
4-Bromofluorobenzene	118	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
cis-1,2-Dichloroethene	<1
Benzene	<0.35
Trichloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW85-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-13 1/10
Date Analyzed:	03/10/25	Data File:	031028.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	110	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	42
cis-1,2-Dichloroethene	1,200
Trichloroethene	4.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW107-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-14
Date Analyzed:	03/10/25	Data File:	031020.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	95	68	139
4-Bromofluorobenzene	117	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
cis-1,2-Dichloroethene	<1
Trichloroethene	0.070

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW05-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-15 1/10
Date Analyzed:	03/10/25	Data File:	031027.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	115	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	110
cis-1,2-Dichloroethene	680
Benzene	<3.5
Trichloroethene	23

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW06-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-16 1/10
Date Analyzed:	03/11/25	Data File:	031115.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	3.6
cis-1,2-Dichloroethene	99
Benzene	<3.5
Trichloroethene	410

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	01MW58R-D-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	503011-17 1/10
Date Analyzed:	03/10/25	Data File:	031025.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	92	68	139
4-Bromofluorobenzene	110	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	79
cis-1,2-Dichloroethene	390
Trichloroethene	380

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/10/25	Lab ID:	05-0526 mb
Date Analyzed:	03/10/25	Data File:	031009.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	96	68	139
4-Bromofluorobenzene	111	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
cis-1,2-Dichloroethene	<1
Benzene	<0.35
Trichloroethene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	01MW66-030325	Client:	Floyd-Snider
Date Received:	03/03/25	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/05/25	Lab ID:	503011-05 1/0.5
Date Analyzed:	03/05/25	Data File:	030515.D
Matrix:	Water	Instrument:	GCMS12
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	47	11	65
Phenol-d6	35	11	65
Nitrobenzene-d5	101	11	173
2-Fluorobiphenyl	86	25	128
2,4,6-Tribromophenol	121	10	140
Terphenyl-d14	120	47	142

Compounds:	Concentration ug/L (ppb)
Pentachlorophenol	0.84

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	Cantera/Time Oil, F&BI 503011
Date Extracted:	03/05/25	Lab ID:	05-0595 mb 1/0.5
Date Analyzed:	03/05/25	Data File:	030514.D
Matrix:	Water	Instrument:	GCMS12
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	50	11	65
Phenol-d6	36	11	65
Nitrobenzene-d5	107	11	173
2-Fluorobiphenyl	103	25	128
2,4,6-Tribromophenol	109	10	140
Terphenyl-d14	111	47	142

Compounds:	Concentration ug/L (ppb)
Pentachlorophenol	<0.2

Date of Report: 03/12/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503011

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

Laboratory Code: 503011-01 (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	110	70-130

Date of Report: 03/12/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503011

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	96	96	65-151	0

Date of Report: 03/12/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503011

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

Laboratory Code: 503011-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	109	16-176
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	98	50-150
Benzene	ug/L (ppb)	10	<0.35	101	50-150
Trichloroethene	ug/L (ppb)	10	<0.05	95	43-133

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	104	111	43-149	7
cis-1,2-Dichloroethene	ug/L (ppb)	10	95	99	70-130	4
Benzene	ug/L (ppb)	10	99	104	70-130	5
Trichloroethene	ug/L (ppb)	10	92	98	70-130	6

Date of Report: 03/12/25
Date Received: 03/03/25
Project: Cantera/Time Oil, F&BI 503011

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Pentachlorophenol	ug/L (ppb)	10	119	125	10-144	5

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 between the method detection limit and the lowest calibration point. 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.

503011

SAMPLE CHAIN OF CUSTODY

03/03/25 I3/VW4

Page # 1 of 2

Report To Pamela + Kristin

Company Floyd Snider

Address 601 Union St, Suite 600

City, State, ZIP Seattle, WA 98101

Phone 206 805-2188 Email lab.data@floydsnider.com

SAMPLERS (*signature*)

PROJECT NAME: Cantera/Time Oil

PO #

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: Pioneer

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	cVOCs 8260	Benzene 8260	Penta 8270 SIM		Notes
01MW12-030325	01 A-G	3/3/25	15:00	GW	7	✓	✓							✓			
01MW19R-030325	02		12:15		7	✓	✓							✓			
01MW40-030325	03		15:50		7	✓	✓							✓			
01MW84-030325	04		11:25		7	✓	✓							✓			
01MW66-030325	05		13:45		1										✓		
MW01-030325	06 A-G		12:45		7	✓	✓						✓	✓			
01MW15-030325	07 A-C		10:10		3								✓				
01MW46-030325	08 A-E		09:15		5								✓	✓			
01MW53R-030325	09 A-C		10:20		3								✓				
01MW56-030325	10		13:30		3								✓				

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Meg McCann	Floyd Snider	3/3/25	17:09
Received by:	VINH	FBI	3-3-25	17:09
Relinquished by:		Samples received at 3 oC		
Received by:				

Friedman & Bruya, Inc.
5500 4th Ave S.
Seattle WA 98108
(206) 285-8282
office@friedmanandbruya.com

503011

SAMPLE CHAIN OF CUSTODY

03/03/25 I3/VW4

Page # 2 of 2

Report To Pamela + Kristin
Company Floyd Snider
Address 601 Union St, Suite 600
City, State, ZIP Seattle, WA 98101
Phone 206 805-2188 Email labdata@floydsnider.com

SAMPLERS (*signature*)

PROJECT NAME: Cantera/Time Oil
PO #:

REMARKS: CVOCs = TCE, cis-1,2 DCE + V.C.
INVOICE TO: Pioneer
Project specific RLs? - Yes / No

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	CVOCs 8260	Benzene 8260	Penta		Notes
✓ 01MW58R-030325	11 A-D	3/3/25	14:20	GW	4	✓							✓				
✓ 01MW61-030325	12 A-G		15:40	GW	7	✓	✓						✓	✓			
✓ 01MW85-030325	13 A-C		09:20	GW	3								✓				
✓ 01MW107-030325	14 ↓		08:40	GW	3								✓				
✓ MW05-030325	15 A-E		11:10	GW	5								✓	✓			
✓ MW06-030325	16 ↓		11:45	GW	5								✓	✓			
✓ 01MW58R-D-030325	17A-D	—	14:30	GW	4	✓							✓				

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	meg mccann	Floyd Snider	3/3/25	17:09
Received by:	VINH	FBI	3-3-25	17:09
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
5500 4th Ave S.
Seattle WA 98108
(206) 285-8282
office@friedmanandbruya.com

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 503011 CLIENT Floyd Snider INITIALS/ DATE: AP 03/03/25

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature 3 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
☑ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO Initials/ Date: AP 03/04/25
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☐ YES ☑ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

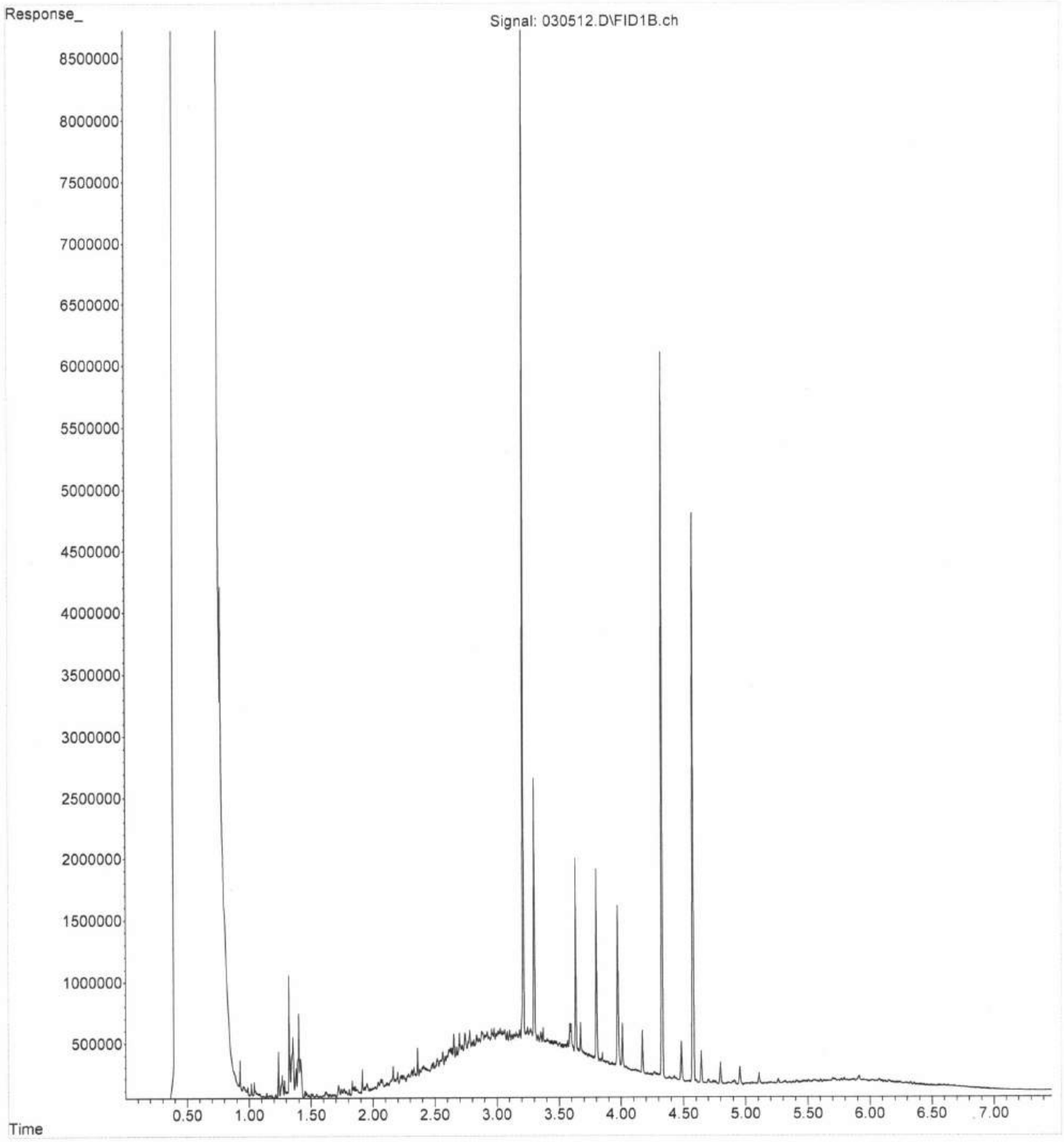
Sample ID's	☑ Yes ☐ No		☐ Not on COC/label
Date Sampled	☑ Yes ☐ No		☐ Not on COC/label
Time Sampled	☐ Yes ☑ No	Time on label 10:00 for 01MW15-030325(07A-C)	☐ Not on COC/label
# of Containers	☑ Yes ☐ No		
Relinquished	☑ Yes ☐ No		
Requested analysis	☑ Yes ☐ On Hold		

Other comments (use a separate page if needed)

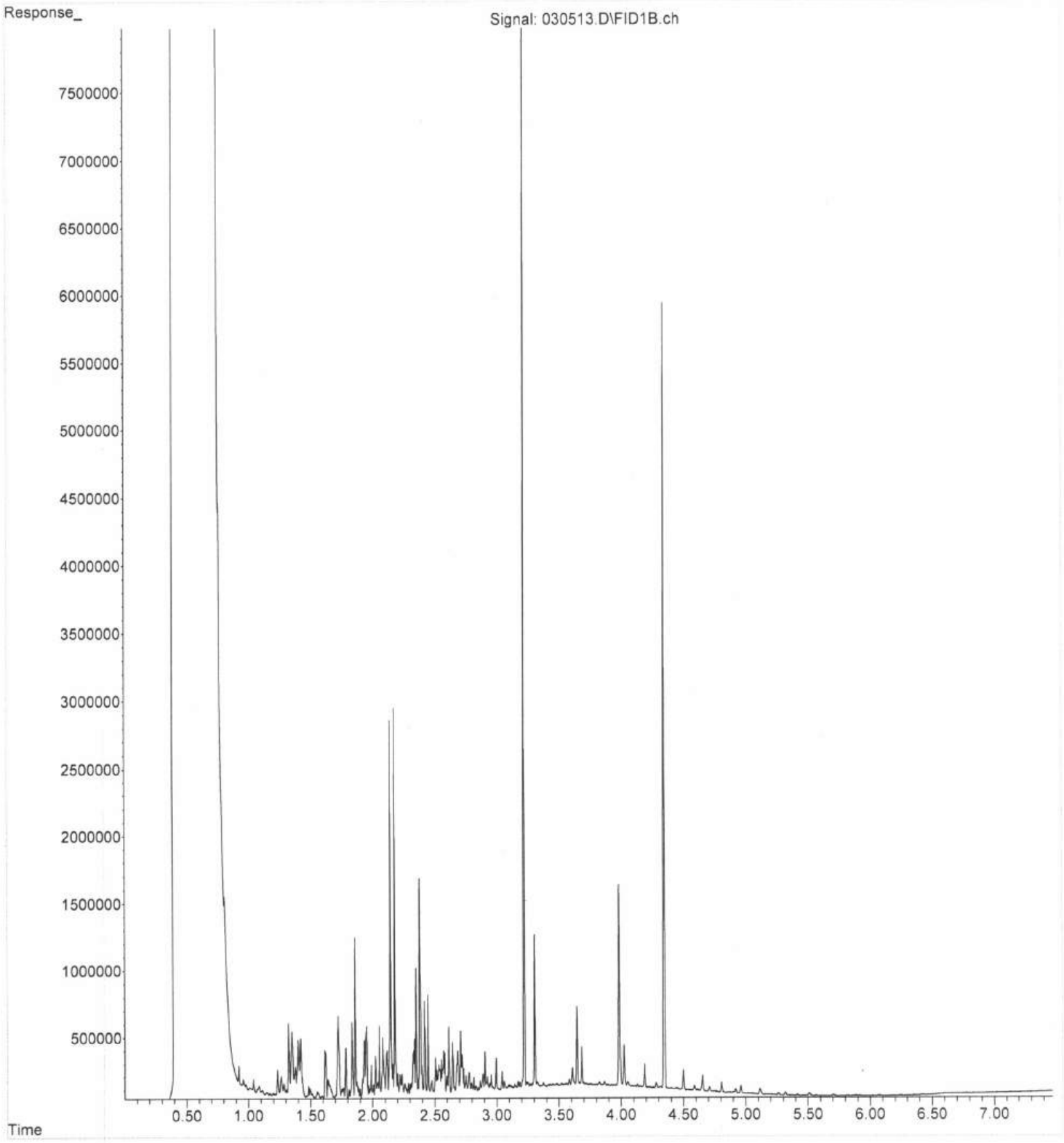
Air Samples: Were any additional canisters/tubes received? ☑ NA ☐ YES ☐ NO

Number of unused TO15 canisters _____ Number of unused TO17 tubes _____

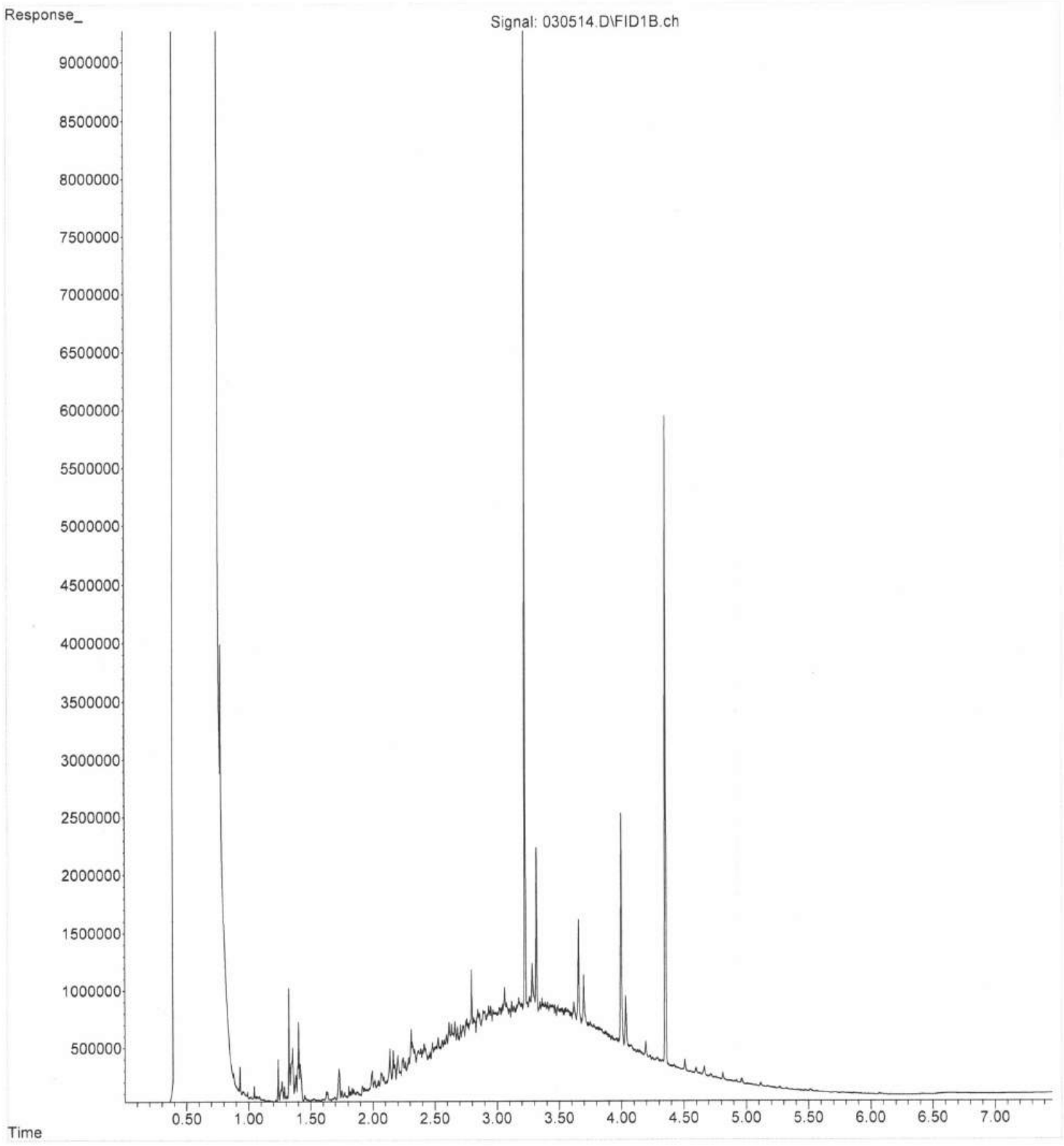
File :P:\Proc_GC14\03-05-25\030512.D
Operator : TL
Acquired : 05 Mar 2025 02:34 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-01
Misc Info : ERR
Vial Number: 12



File :P:\Proc_GC14\03-05-25\030513.D
Operator : TL
Acquired : 05 Mar 2025 02:46 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-02
Misc Info : ERR
Vial Number: 13

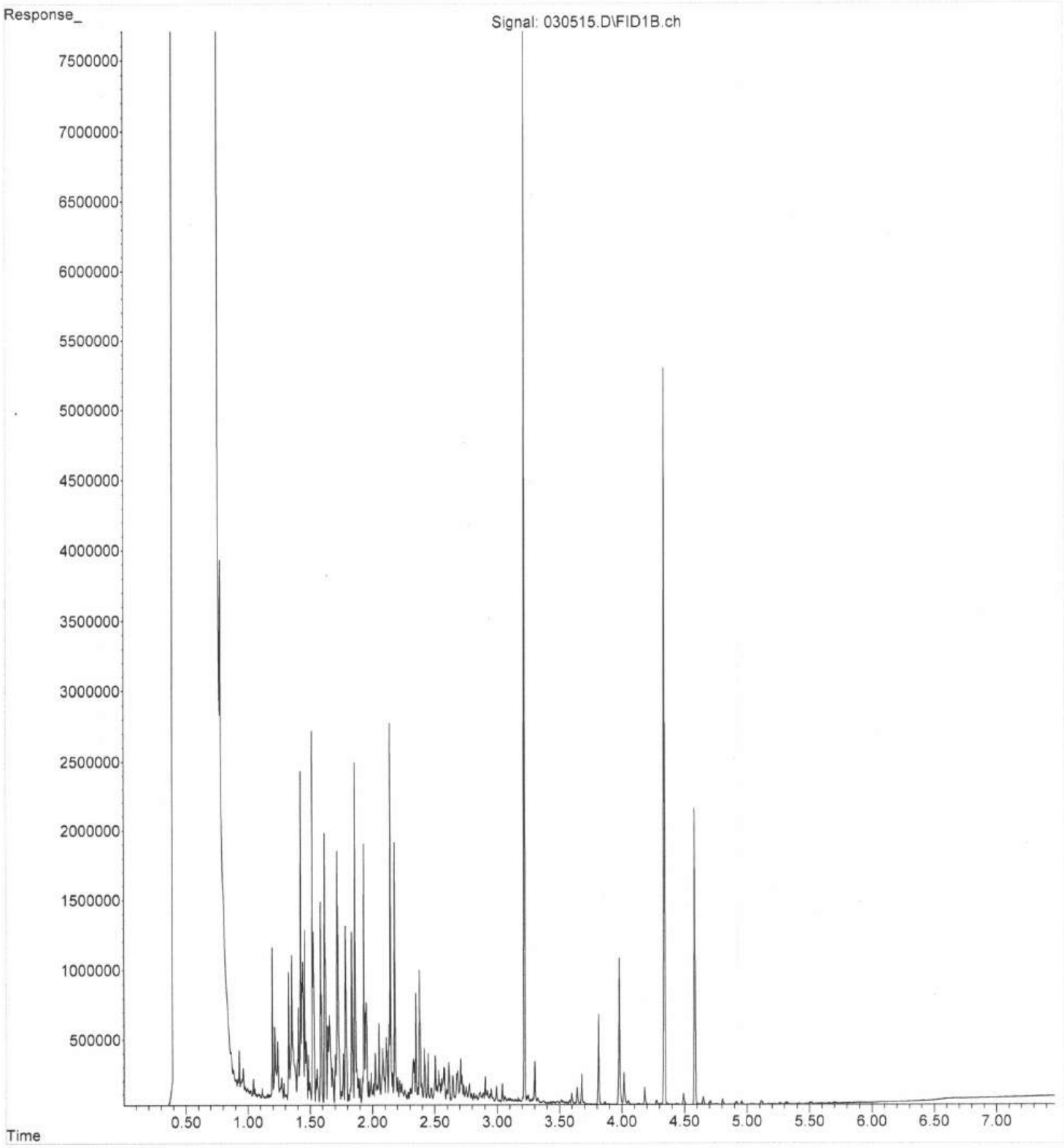


File : P:\Proc_GC14\03-05-25\030514.D
Operator : TL
Acquired : 05 Mar 2025 02:57 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-03
Misc Info : ERR
Vial Number: 14

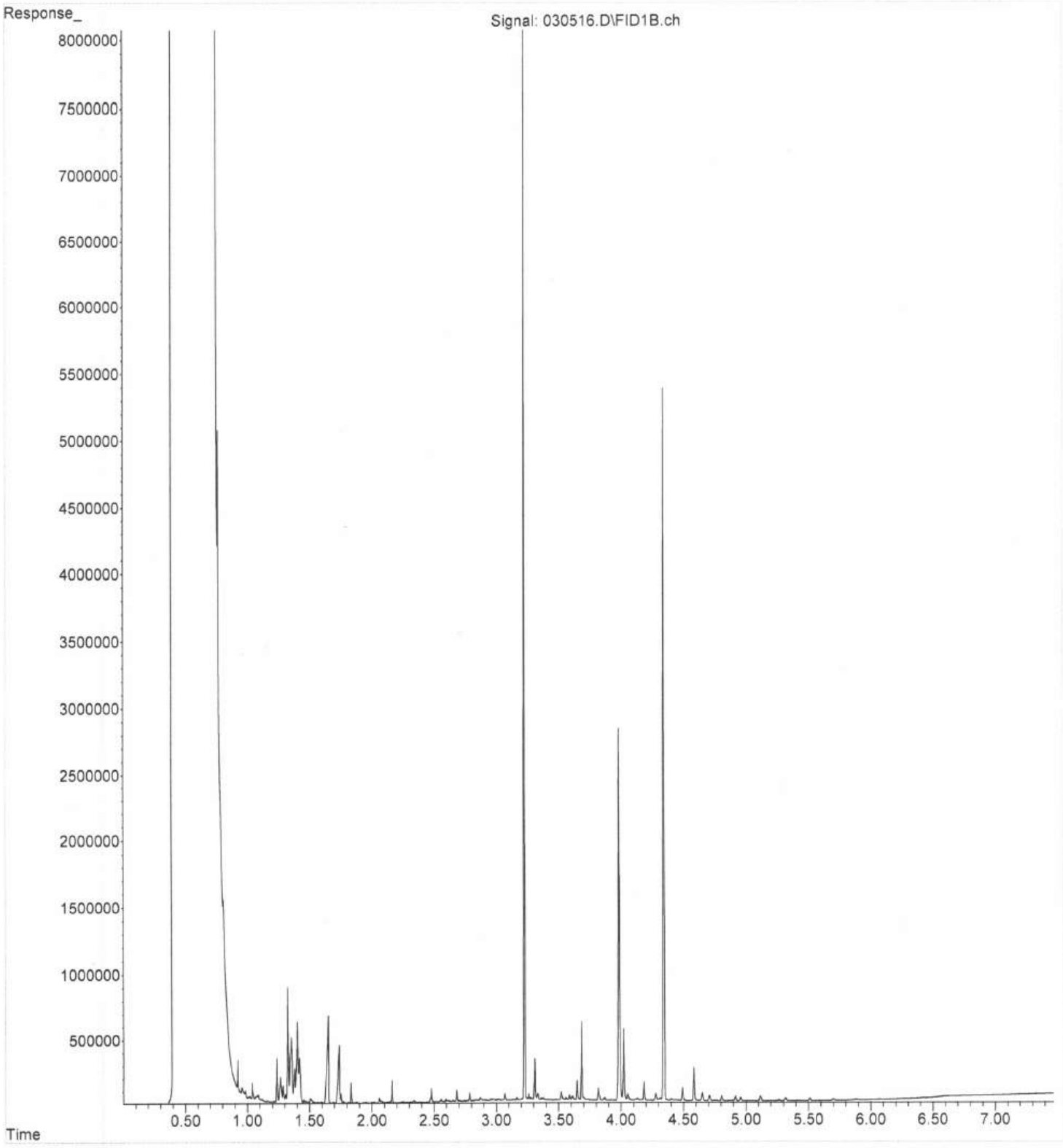


File :P:\Proc_GC14\03-05-25\030515.D
Operator : TL
Acquired : 05 Mar 2025 03:09 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-04
Misc Info :
Vial Number: 15

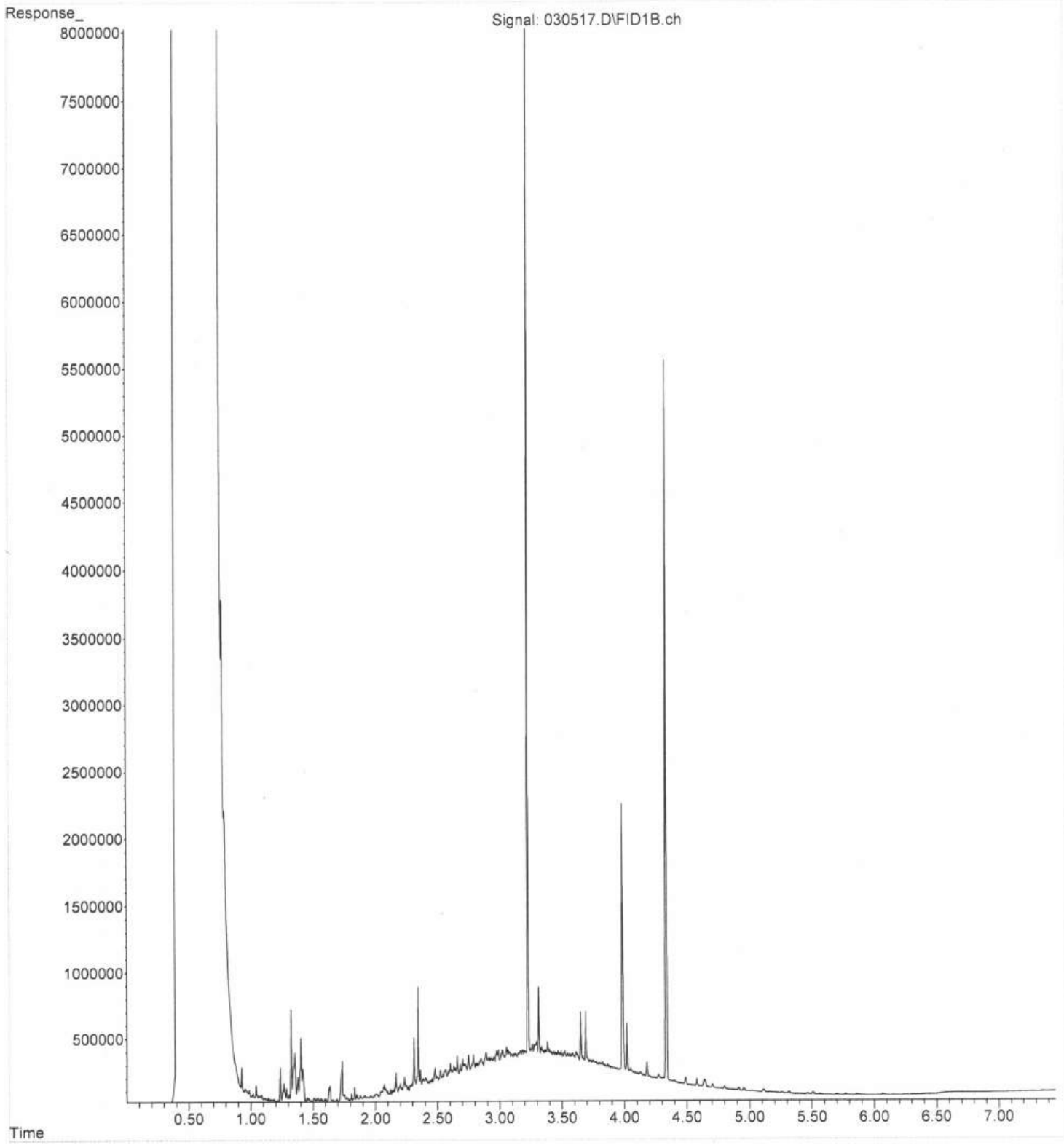
ERR



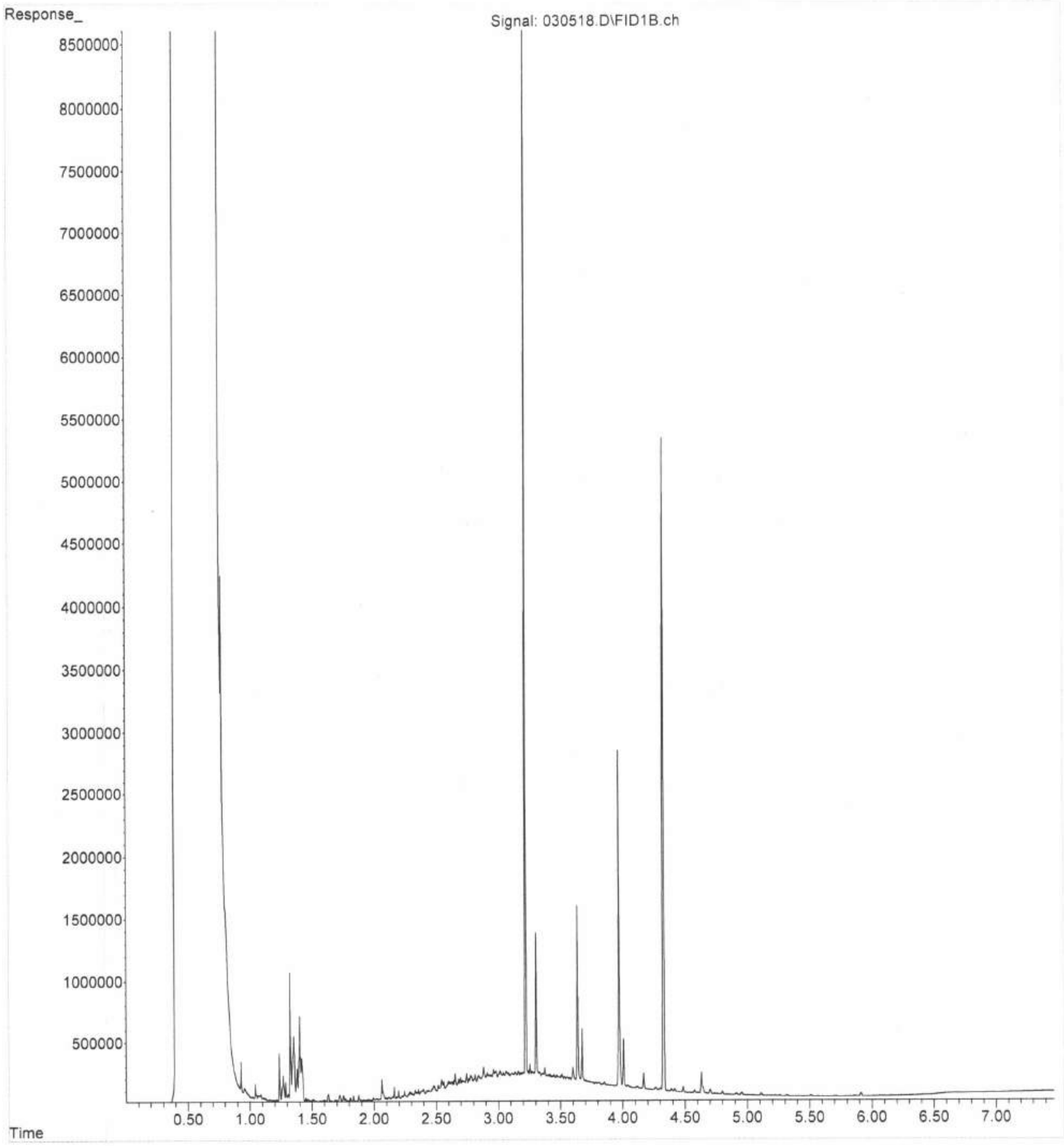
File :P:\Proc_GC14\03-05-25\030516.D
Operator : TL
Acquired : 05 Mar 2025 03:21 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-06
Misc Info : ERR
Vial Number: 16



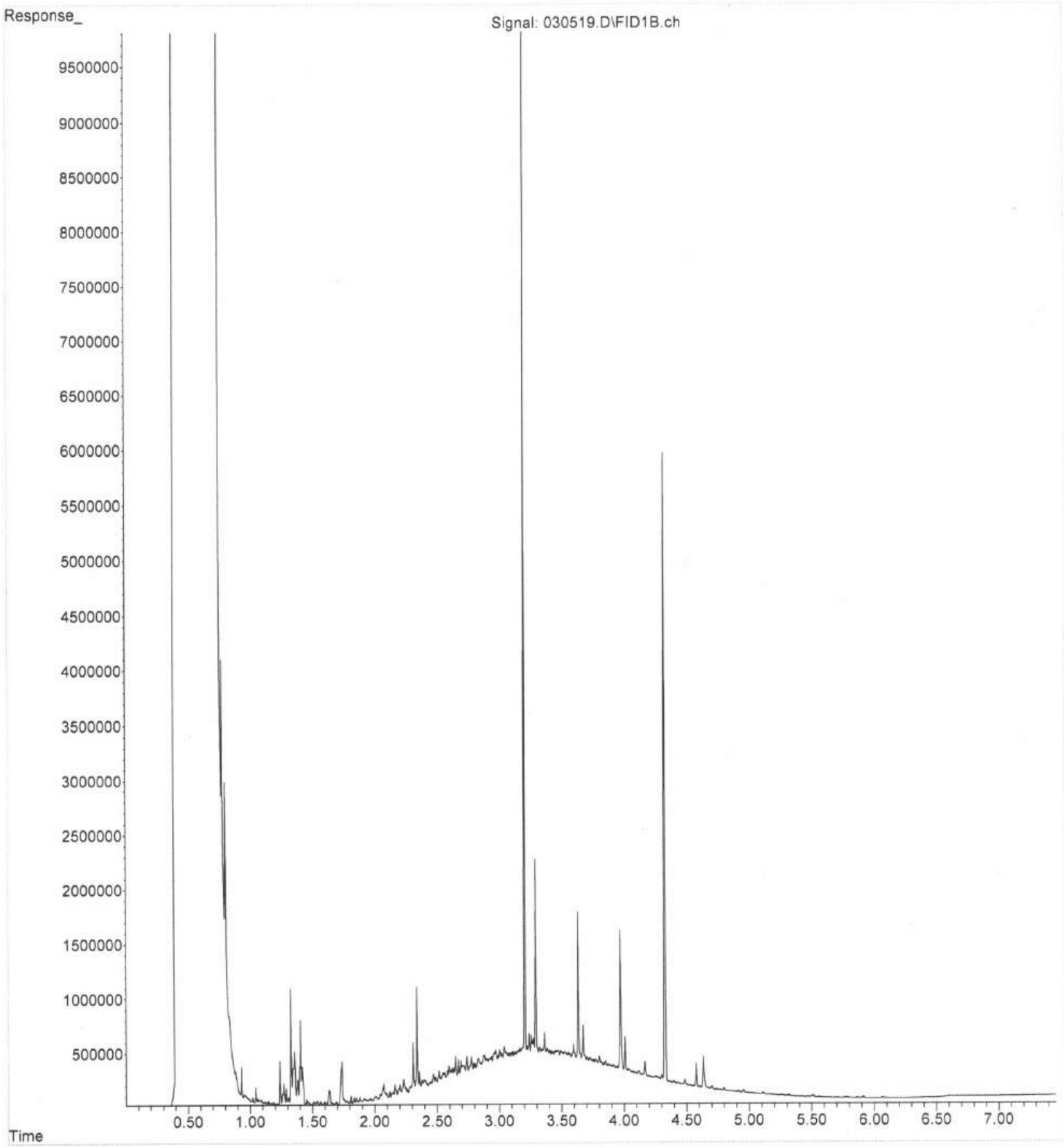
File :P:\Proc_GC14\03-05-25\030517.D
Operator : TL
Acquired : 05 Mar 2025 03:33 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-11
Misc Info : ERR
Vial Number: 17



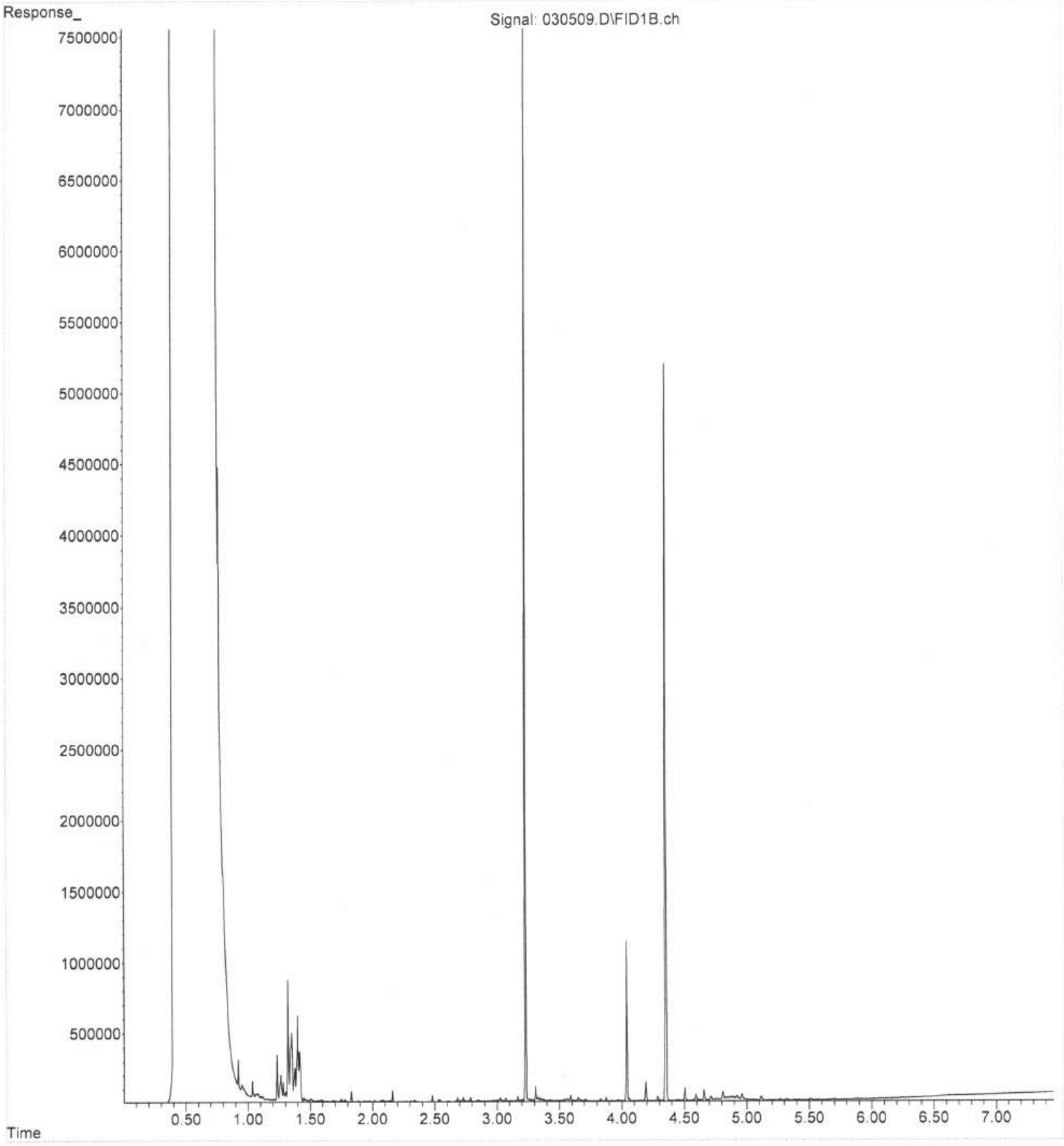
File :P:\Proc_GC14\03-05-25\030518.D
Operator : TL
Acquired : 05 Mar 2025 03:45 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-12
Misc Info : ERR
Vial Number: 18



File :P:\Proc_GC14\03-05-25\030519.D
Operator : TL
Acquired : 05 Mar 2025 03:56 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 503011-17
Misc Info : ERR
Vial Number: 19



File :P:\Proc_GC14\03-05-25\030509.D
Operator : TL
Acquired : 05 Mar 2025 01:59 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 05-600 mb
Misc Info : ERR
Vial Number: 9



File : P:\Proc_GC14\03-05-25\030503.D
Operator : TL
Acquired : 05 Mar 2025 08:24 am using AcqMethod DX.M
Instrument : GC14
Sample Name: 500 Dx 74-61e
Misc Info : ERR
Vial Number: 3