

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : CON EDISON FOPL2

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q3123

ATTENTION : Marcie Ann Encinas



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3123

Project ID : Con Edison FOPL2

Client : CDM Smith

Lab Sample Number

Q3123-01

Client Sample Number

TP-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 9/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

CDM Smith

Project Name: Con Edison FOPL2

Project # N/A

Order ID # Q3123

Test Name: EPH,Gasoline Range Organics

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 09/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:

. This data package contains results for EPH(NJEPH), Gasoline Range Organics(8015D).

C. Analytical Techniques:

EPH : The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

Gasoline Range Organics : The analysis performed on instrument FID_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909.The analysis of Gasoline Range Organics was based on method 8015D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3123-01MS} with File ID: FE055931.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 4%, 2-methylnaphthalene (C12.89)- 2%], these analytes are only being monitoring in aliphatic fraction.

The MS {Q3123-01MS} with File ID: FD049743.D recoveries met the requirements for all compounds except for Aromatic [Chrysene (C27.41)- 208%], [Bnezo[k]fluoranthene (C30.14)- 196%], [Dibenz[a,h]anthracene (C30.36)- 175%] due to matrix interference.

The MSD {Q3123-01MSD} with File ID: FE055932.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 4%, 2-methylnaphthalene (C12.89)- 2%], these analytes are only being monitoring in aliphatic fraction.

The MSD {Q3123-01MSD} with File ID: FD049744.D recoveries met the requirements for all compounds except for Aromatic [Chrysene (C27.41)- 211%],

[Bnezo[k]fluoranthene (C30.14)- 199%], [Dibenz[a,h]anthracene (C30.36)- 180%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds except following
EPH : The Blank Spike for {PB169768BS} with File ID: FE055924.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic fraction.

The Blank Spike Duplicate met requirements for all compounds except following
EPH : The Blank Spike Duplicate for {PB169768BSD} with File ID: FE055925.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic fraction.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

The temperature of the samples at the time of receipt was 6.1°C.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CASE NARRATIVE

CDM Smith

Project Name: Con Edison FOPL2

Project # N/A

Order ID # Q3123

Test Name: Fingerprint

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 09/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Fingerprint, This data package contains results for Fingerprint.

C. Analytical Techniques:

The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

E. Additional Comments:

The temperature of the samples at the time of receipt was 6.1°C.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3123

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 09/29/2025

LAB CHRONICLE

OrderID:	Q3123	OrderDate:	9/16/2025 3:31:49 PM
Client:	CDM Smith	Project:	Con Edison FOPL2
Contact:	Marcie Ann Encinas	Location:	J11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3123-01	TP-2	SOIL	Gasoline Range Organics EPH	8015D NJEPH	09/16/25	09/22/25	09/22/25	09/16/25



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	09/16/25
Project:	Con Edison FOPL2	Date Received:	09/16/25
Client Sample ID:	TP-2	SDG No.:	Q3123
Lab Sample ID:	Q3123-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.5
Sample Wt/Vol:	4.5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032224.D	1	09/22/25 15:31	FB092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	55.0	U	10.0	55.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.3		50 - 150	77%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No.: Q3123

CLIENT ID	S1 AAA-TFT	S2	S3	S4	TOT OUT
VB0922S1	103				0
TP-2	77				0
BS0922S1	102				0
BS0922S2	101				0

QC LIMITS

AAA-TFT

For Water : 50-150

For Soil : 50-150

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION

Lab Name: Alliance **Client:** CDM Smith
Lab Code: ACE **SDG No:** Q3123
Client Sample ID : BSF0922S1 **Datafile:** FB032226.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	185	103	50-150

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION

Lab Name: Alliance **Client:** CDM Smith
Lab Code: ACE **SDG No:** Q3123
Client Sample ID : BSF0922S2 **Datafile:** FB032227.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	183	102	50-150

LCS/LCSD % Recovery RPD : 1.1

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0922S1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q3123

Lab File ID: FB032223.D

Lab Sample ID: VBF0922S1

Date Analyzed: 09/22/25

Time Analyzed: 15:03

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: FB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-2	Q3123-01	FB032224.D	09/22/25
BSF0922S1	BSF0922S1	FB032226.D	09/22/25
BSF0922S2	BSF0922S2	FB032227.D	09/22/25

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	VBF0922S1	SDG No.:	Q3123
Lab Sample ID:	VBF0922S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032223.D	1	09/22/25 15:03	FB092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	45.0	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.6		50 - 150	103%	SPK: 20

Comments:

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 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	BSF0922S1	SDG No.:	Q3123
Lab Sample ID:	BSF0922S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032226.D	1	09/22/25 16:35	FB092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	185		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.5		50 - 150	102%	SPK: 20

Comments:

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 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
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 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	BSF0922S2	SDG No.:	Q3123
Lab Sample ID:	BSF0922S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032227.D	1	09/22/25 17:02	FB092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	183		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.3		50 - 150	101%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance Contract: CAMP02
ProjectID: Con Edison FOPL2
Lab Code: ACE SDG No.: Q3123

Calibration Sequence : FB092225		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1341516	29811	FB032214.D
90	2850195	31669	FB032215.D
180	5675270	31529	FB032216.D
450	14166602	31481	FB032217.D
900	28726009	31918	FB032218.D
AVG RF : 31282		% RSD : 2.683	AVG RT : 8.7958

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
 ProjectID: Con Edison FOPL2
 Lab Code: ACE SDG No.: Q3123
 DataFile: FB032220.D Analyst Name: YP/AJ Analyst Date: 09-22-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5779958	32111	31282	2.65

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
 ProjectID: Con Edison FOPL2
 Lab Code: ACE SDG No.: Q3123
 DataFile: FB032228.D Analyst Name: YP/AJ Analyst Date: 09-22-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5839314	32441	31282	3.705

Analytical Sequence

Client: CDM Smith

SDG No.: Q3123

Project: Con Edison FOPL2

Instrument ID: FID_B

GC Column: RTX-502.2 ID: 0.53 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION 8.7958					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	22 Sep 2025 13:23	FB032220.D	8.798	
VBF0922S1	VBF0922S1	22 Sep 2025 15:03	FB032223.D	8.799	
TP-2	Q3123-01	22 Sep 2025 15:31	FB032224.D	8.799	
BSF0922S1	BSF0922S1	22 Sep 2025 16:35	FB032226.D	8.799	
BSF0922S2	BSF0922S2	22 Sep 2025 17:02	FB032227.D	8.800	
20 PPB GR0 STD	20 PPB GR0 STD	22 Sep 2025 17:58	FB032228.D	8.799	

Column used to flag RT values with an * values outside of QC limits

QC Limits
(± 0.10 minutes)

Lower Limit
8.6958

Upper Limits
8.8958

LAB CHRONICLE

OrderID:	Q3123	OrderDate:	9/16/2025 3:31:49 PM
Client:	CDM Smith	Project:	Con Edison FOPL2
Contact:	Marcie Ann Encinas	Location:	J11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3123-01	TP-2	SOIL	Gasoline Range Organics EPH	8015D NJEPH	09/16/25	09/22/25	09/22/25	09/16/25



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	09/16/25
Project:	Con Edison FOPL2	Date Received:	09/16/25
Client Sample ID:	TP-2	SDG No.:	Q3123
Lab Sample ID:	Q3123-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:35	09/22/25 17:55	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.21	J	1	0.15	1.10	mg/kg	FE055929.D
Aliphatic C12-C16	Aliphatic C12-C16	0.68	J	1	0.12	0.74	mg/kg	FE055929.D
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	1	0.14	1.10	mg/kg	FE055929.D
Aliphatic C21-C28	Aliphatic C21-C28	1.47	U	1	0.59	1.47	mg/kg	FE055929.D
Aliphatic C28-C40	Aliphatic C28-C40	8.81		1	1.30	2.21	mg/kg	FE055929.D
Aromatic C10-C12	Aromatic C10-C12	0.33	J	1	0.13	0.74	mg/kg	FD049741.D
Aromatic C12-C16	Aromatic C12-C16	2.54		1	0.25	1.10	mg/kg	FD049741.D
Aromatic C16-C21	Aromatic C16-C21	16.6		1	0.44	1.84	mg/kg	FD049741.D
Aromatic C21-C36	Aromatic C21-C36	25.5		1	1.31	2.94	mg/kg	FD049741.D
Total AliphaticEPH	Total AliphaticEPH	10.3			2.30	6.62	mg/kg	
Total AromaticEPH	Total AromaticEPH	45.0			2.14	6.62	mg/kg	
Total EPH	Total EPH	55.3			4.44	13.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	09/16/25
Project:	Con Edison FOPL2	Date Received:	09/16/25
Client Sample ID:	TP-2	SDG No.:	Q3123
Lab Sample ID:	Q3123-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049741.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	J	0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.54		0.25	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.6		0.44	1.84	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.5		1.31	2.94	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.7		40 - 140	87%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.9		40 - 140	68%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3123-01	Acq On:	22 Sep 2025 16:58
Client Sample ID:	TP-2	Operator:	YP/AJ
Data file:	FD049741.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	516128	4.447	200	ug/ml
Aromatic C12-C16	6.132	8.759	4697228	34.573	300	ug/ml
Aromatic C16-C21	8.760	13.050	30665174	225.86	500	ug/ml
Aromatic C21-C36	13.051	18.469	40976522	346.314	800	ug/ml
Aromatic EPH	4.389	18.469	76855052	611.194		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	4918331	43.73		ug/ml
2-Fluorobiphenyl (SURR)	8.561	8.561	3250354	40.49		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	4788665	33.85		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	09/16/25
Project:	Con Edison FOPL2	Date Received:	09/16/25
Client Sample ID:	TP-2	SDG No.:	Q3123
Lab Sample ID:	Q3123-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055929.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.21	J	0.15	1.10	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.68	J	0.12	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	0.14	1.10	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.47	U	0.59	1.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.81		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.6		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3123-01	Acq On:	22 Sep 2025 17:55
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE055929.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	364538	2.839	300	ug/ml
Aliphatic C12-C16	6.948	10.400	1238929	9.171	200	ug/ml
Aliphatic C16-C21	10.401	13.780	1170328	8.115	300	ug/ml
Aliphatic C21-C28	13.781	17.452	1105224	7.716	400	ug/ml
Aliphatic C28-C40	17.453	22.472	16497934	119.794	600	ug/ml
Aliphatic EPH	3.312	22.472	20376953	147.635		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	7206345	57.63		ug/ml
Aliphatic C9-C28	3.312	17.452	3879019	27.841	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: CAMP02
Lab Code: ACE SDG No.: Q3123
Run Number: FD092225AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB169768BL	69	69	76	0
PB169768BS	73	72	82	0
PB169768BSD	72	71	81	0
TP-2	87	81	68	0
TP-2MS	93	80	64	0
TP-2MSD	93	80	64	0

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)
2-Flurobiphenyl (SURR) (40-140)
ortho-Terphenyl (SURR) (40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: CAMP02
Lab Code: ACE SDG No.: Q3123
Run Number: FE092225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB169768BL	73			0
PB169768BS	80			0
PB169768BSD	80			0
TP-2	115			0
TP-2MS	108			0
TP-2MSD	108			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>Q3123-01MS</u>	Datafile:	<u>FD049743.D</u>
		Client ID :	<u>TP-2MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	7.4	0.33	5.42	69		(40-140)
Aromatic C12-C16	11.0	2.54	12.2	88		(40-140)
Aromatic C16-C21	18.4	16.6	35.9	104		(40-140)
Aromatic C21-C36	29.4	25.5	54.4	98		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
1,2,3-Trimethylbenzene (C10.1)	3.7	0.0228	2.4556	66		(40-140)
Naphthalene (C11.7)	3.7	0.0323	2.6655	71		(40-140)
2-Methylnaphthalene (C12.89)	3.7	0.0346	2.7230	73		(40-140)
Acenaphthylene (C15.06)	3.7	0.0684	3.2998	87		(40-140)
Acenaphthene (C15.5)	3.7	0.2025	3.4686	88		(40-140)
Fluorene (C16.55)	3.7	0.1747	3.6798	95		(40-140)
Phenanthrene (C19.36)	3.7	1.9602	5.5724	98		(40-140)
Anthracene (C19.43)	3.7	0.5529	4.2874	101		(40-140)
Pyrene (C20.8)	3.7	2.7850	6.5056	101		(40-140)
Fluoranthene (C21.85)	3.7	3.1266	6.7837	99		(40-140)
Benzo[a]anthracene (C26.37)	3.7	3.2721	5.4736	60		(40-140)
Chrysene (C27.41)	3.7	3.2887	10.9783	208	*	(40-140)
Benzo[k]fluoranthene (C30.14)	3.7	2.5300	9.7976	196	*	(40-140)
Dibenz[a,h]anthracene (C30.36)	3.7	1.5614	8.0226	175	*	(40-140)
benzo[b]fluoranthene (C30.41)	3.7	2.3782	5.2207	77		(40-140)
Benzo[a]pyrene (C31.34)	3.7	1.4103	5.8925	121		(40-140)
Benzo[g,h,i]perylene (C34.01)	3.7	0.8287	3.7423	79		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	3.7	1.5329	4.6730	85		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>Q3123-01MSD</u>	Datafile:	<u>FD049744.D</u>
		Client ID :	<u>TP-2MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	7.4	0.33	5.45	70		0.43 (40-140)	50
Aromatic C12-C16	11.0	2.54	10.6	73		18.2 (40-140)	50
Aromatic C16-C21	18.4	16.6	36.2	106		1.9 (40-140)	50
Aromatic C21-C36	29.4	25.5	54.9	100		1.51 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	3.7	0.0228	2.4721	66		0 (40-140)	50
Naphthalene (C11.7)	3.7	0.0323	2.6891	72		1.4 (40-140)	50
2-Methylnaphthalene (C12.89)	3.7	0.0346	2.7523	73		0 (40-140)	50
Acenaphthylene (C15.06)	3.7	0.0684	3.3313	88		1.14 (40-140)	50
Acenaphthene (C15.5)	3.7	0.2025	3.5000	89		1.13 (40-140)	50
Fluorene (C16.55)	3.7	0.1747	3.7107	96		1.05 (40-140)	50
Phenanthrene (C19.36)	3.7	1.9602	5.6168	99		1.02 (40-140)	50
Anthracene (C19.43)	3.7	0.5529	4.3245	102		0.99 (40-140)	50
Pyrene (C20.8)	3.7	2.7850	6.5488	102		0.99 (40-140)	50
Fluoranthene (C21.85)	3.7	3.1266	6.8309	100		1.01 (40-140)	50
Benzo[a]anthracene (C26.37)	3.7	3.2721	5.5408	61		1.65 (40-140)	50
Chrysene (C27.41)	3.7	3.2887	11.0804	211	*	1.43 (40-140)	50
Bnezo[k]fluoranthene (C30.14)	3.7	2.5300	9.8907	199	*	1.52 (40-140)	50
Dibenz[a,h]anthracene (C30.36)	3.7	1.5614	8.2039	180	*	2.82 (40-140)	50
benzo[b]fluoranthene (C30.41)	3.7	2.3782	5.2648	78		1.29 (40-140)	50
Benzo[a]pyrene (C31.34)	3.7	1.4103	5.9494	123		1.64 (40-140)	50
Benzo[g,h,i]perylene (C34.01)	3.7	0.8287	3.7719	80		1.26 (40-140)	50
Indeno[1,2,3-cd]pyrene (C35.01)	3.7	1.5329	4.7279	86		1.17 (40-140)	50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>Q3123-01MS</u>	Datafile:	<u>FE055931.D</u>
		Client ID :	<u>TP-2MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	11.0	0.21	8.10	72		(40-140)
Aliphatic C12-C16	7.4	0.68	8.23	102		(40-140)
Aliphatic C16-C21	11.0	0.60	12.4	107		(40-140)
Aliphatic C21-C28	14.7	0	14.8	100		(40-140)
Aliphatic C28-C40	22.0	8.81	28.5	89		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.7	0.0052	2.0274	55		(40-140)
n-Decane (C10)	3.7	0.0080	2.7193	73		(40-140)
Naphthalene (C11.7)	3.7	0.0058	0.1582	4	*	(40-140)
n-Dodecane (C12)	3.7	0.0253	2.9154	78		(40-140)
2-methylnaphthalene (C12.89)	3.7	0.0112	0.1028	2	*	(40-140)
n-Tetradecane (C14)	3.7	0.0555	3.4210	91		(40-140)
n-Hexadecane (C16)	3.7	0.0272	3.7667	101		(40-140)
n-Octadecane (C18)	3.7	0.0445	3.8240	102		(40-140)
n-Eicosane (C20)	3.7	0.0458	4.1028	110		(40-140)
n-Heneicosane (C21)	3.7	0.0500	3.9831	106		(40-140)
n-Docosane (C22)	3.7	0.0373	3.9070	105		(40-140)
n-Tetracosane (C24)	7.3	0.0423	3.6802	50		(40-140)
n-Hexacosane (C26)	3.7	0.0471	3.4625	92		(40-140)
n-Octacosane (C28)	3.7	0.0615	3.3144	88		(40-140)
n-Tricontane (C30)	3.7	0.0922	3.2341	85		(40-140)
n-Dotriacontane (C32)	3.7	0.1017	3.2887	86		(40-140)
n-Tetratriacontane (C34)	3.7	0.1723	3.6451	94		(40-140)
n-Hexatriacontane (C36)	3.7	1.2153	4.2067	81		(40-140)
n-Octatriacontane (C38)	3.7	0.7425	4.6691	106		(40-140)
n-Tetracontane (C40)	3.7	0.0873	3.6276	96		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>Q3123-01MSD</u>	Datafile:	<u>FE055932.D</u>
		Client ID :	<u>TP-2MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	11.0	0.21	7.35	65		10.1 (40-140)	50
Aliphatic C12-C16	7.4	0.68	7.72	96		6.37 (40-140)	50
Aliphatic C16-C21	11.0	0.60	12.1	104		2.84 (40-140)	50
Aliphatic C21-C28	14.7	0	15.0	101		1 (40-140)	50
Aliphatic C28-C40	22.1	8.81	29.1	92		2.87 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.7	0.0052	1.8215	49		11.5 (40-140)	50
n-Decane (C10)	3.7	0.0080	2.4549	66		10.07 (40-140)	50
Naphthalene (C11.7)	3.7	0.0058	0.1448	4	*	0 (40-140)	50
n-Dodecane (C12)	3.7	0.0253	2.6563	71		9.39 (40-140)	50
2-methylnaphthalene (C12.89)	3.7	0.0112	0.0956	2	*	0 (40-140)	50
n-Tetradecane (C14)	3.7	0.0555	3.1746	84		8 (40-140)	50
n-Hexadecane (C16)	3.7	0.0272	3.5592	95		6.12 (40-140)	50
n-Octadecane (C18)	3.7	0.0445	3.6896	99		2.98 (40-140)	50
n-Eicosane (C20)	3.7	0.0458	4.0409	108		1.83 (40-140)	50
n-Heneicosane (C21)	3.7	0.0500	3.9704	106		0 (40-140)	50
n-Docosane (C22)	3.7	0.0373	3.9195	105		0 (40-140)	50
n-Tetracosane (C24)	7.4	0.0423	3.7555	50		0 (40-140)	50
n-Hexacosane (C26)	3.7	0.0471	3.5273	94		2.15 (40-140)	50
n-Octacosane (C28)	3.7	0.0615	3.3583	89		1.13 (40-140)	50
n-Tricontane (C30)	3.7	0.0922	3.2673	86		1.17 (40-140)	50
n-Dotriacontane (C32)	3.7	0.1017	3.3098	87		1.16 (40-140)	50
n-Tetratriacontane (C34)	3.7	0.1723	3.6154	93		4.17 (40-140)	50
n-Hexatriacontane (C36)	3.7	1.2153	4.1888	80		1.24 (40-140)	50
n-Octatriacontane (C38)	3.7	0.7425	5.3096	123		14.84 (40-140)	50
n-Tetracontane (C40)	3.7	0.0873	3.7192	98		2.06 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>PB169768BS</u>	Datafile:	<u>FD049739.D</u>
		Client ID :	<u>PB169768BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	4.24	64		(40-140)
Aromatic C12-C16	10.0	6.86	69		(40-140)
Aromatic C16-C21	16.7	13.7	82		(40-140)
Aromatic C21-C36	26.7	23.0	86		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
1,2,3-Trimethylbenzene (C10.1)	3.3	2.04516	62		(40-140)
Naphthalene (C11.7)	3.3	2.18636	66		(40-140)
2-Methylnaphthalene (C12.89)	3.3	2.08425	63		(40-140)
Acenaphthylene (C15.06)	3.3	2.36404	72		(40-140)
Acenaphthene (C15.5)	3.3	2.39919	73		(40-140)
Flouorene (C16.55)	3.3	2.56258	78		(40-140)
Phenanthrene (C19.36)	3.3	2.69341	82		(40-140)
Anthracene (C19.43)	3.3	2.69388	82		(40-140)
Fluoranthene (C21.85)	3.3	2.87084	87		(40-140)
Pyrene (C20.8)	3.3	2.92711	89		(40-140)
Benzo[a]anthracene (C26.37)	3.3	2.97285	90		(40-140)
Chrysene (C27.41)	3.3	3.21539	97		(40-140)
benzo[b]fluoranthene (C30.41)	3.3	2.92275	89		(40-140)
Bnezo[k]fluoranthene (C30.14)	3.3	3.06540	93		(40-140)
Benzo[a]pyrene (C31.34)	3.3	2.85946	87		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	3.09953	94		(40-140)
Dibenz[a,h]anthracene (C30.36)	3.3	2.63398	80		(40-140)
Benzo[g,h,i]perylene (C34.01)	3.3	2.62201	79		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance Client: CDM Smith
Lab Code: ACE SDG No: Q3123
Sample No : PB169768BSD Datafile: FD049740.D Client ID : PB169768BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aromatic C10-C12	6.7	4.18	63		1.3 (40-140) 25
Aromatic C12-C16	10	6.76	68		1.4 (40-140) 25
Aromatic C16-C21	16.7	13.6	82		0.633 (40-140) 25
Aromatic C21-C36	26.6	23.2	87		0.9 (40-140) 25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%) QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	3.3	2.01197	61		1.63 (40-140) 25
Naphthalene (C11.7)	3.3	2.15499	65		1.53 (40-140) 25
2-Methylnaphthalene (C12.89)	3.3	2.05416	62		1.6 (40-140) 25
Acenaphthylene (C15.06)	3.3	2.32991	71		1.4 (40-140) 25
Acenaphthene (C15.5)	3.3	2.35999	72		1.38 (40-140) 25
Flouorene (C16.55)	3.3	2.53493	77		1.29 (40-140) 25
Phenanthrene (C19.36)	3.3	2.67225	81		1.23 (40-140) 25
Anthracene (C19.43)	3.3	2.67718	81		1.23 (40-140) 25
Fluoranthene (C21.85)	3.3	2.84708	86		1.16 (40-140) 25
Pyrene (C20.8)	3.3	2.90349	88		1.13 (40-140) 25
Benzo[a]anthracene (C26.37)	3.3	2.97473	90		0 (40-140) 25
Chrysene (C27.41)	3.3	3.20493	97		0 (40-140) 25
benzo[b]fluoranthene (C30.41)	3.3	2.90474	88		1.13 (40-140) 25
Bnezo[k]fluoranthene (C30.14)	3.3	3.05236	92		1.08 (40-140) 25
Benzo[a]pyrene (C31.34)	3.3	2.85480	87		0 (40-140) 25
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	3.16527	96		2.11 (40-140) 25
Dibenz[a,h]anthracene (C30.36)	3.3	2.77776	84		4.88 (40-140) 25
Benzo[g,h,i]perylene (C34.01)	3.3	2.64820	80		1.26 (40-140) 25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>PB169768BS</u>	Datafile:	<u>FE055924.D</u>
		Client ID :	<u>PB169768BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10.0	5.51	55		(40-140)
Aliphatic C12-C16	6.7	5.08	76		(40-140)
Aliphatic C16-C21	10.0	9.26	93		(40-140)
Aliphatic C21-C28	13.3	11.5	86		(40-140)
Aliphatic C28-C40	20.0	17.1	86		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	1.52998	46		(40-140)
n-Decane (C10)	3.3	1.84110	56		(40-140)
Naphthalene (C11.7)	3.3	0.00000	0	*	(40-140)
n-Dodecane (C12)	3.3	2.12770	64		(40-140)
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	(40-140)
n-Tetradecane (C14)	3.3	2.40872	73		(40-140)
n-Hexadecane (C16)	3.3	2.66858	81		(40-140)
n-Octadecane (C18)	3.3	2.88416	87		(40-140)
n-Eicosane (C20)	3.3	3.22951	98		(40-140)
n-Heneicosane (C21)	3.3	3.14703	95		(40-140)
n-Docosane (C22)	3.3	3.10350	94		(40-140)
n-Tetracosane (C24)	6.7	2.96001	44		(40-140)
n-Hexacosane (C26)	3.3	2.75670	84		(40-140)
n-Octacosane (C28)	3.3	2.64710	80		(40-140)
n-Tricontane (C30)	3.3	2.59444	79		(40-140)
n-Dotriacontane (C32)	3.3	2.65887	81		(40-140)
n-Tetratriacontane (C34)	3.3	2.82887	86		(40-140)
n-Hexatriacontane (C36)	3.3	3.05019	92		(40-140)
n-Octatriacontane (C38)	3.3	3.08849	94		(40-140)
n-Tetracontane (C40)	3.3	2.91105	88		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>CDM Smith</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3123</u>
Sample No :	<u>PB169768BSD</u>	Datafile:	<u>FE055925.D</u>
		Client ID :	<u>PB169768BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C9-C12	10	5.71	57		3.7 (40-140) 25
Aliphatic C12-C16	6.7	5.27	79		3.8 (40-140) 25
Aliphatic C16-C21	10	9.38	94		1.4 (40-140) 25
Aliphatic C21-C28	13.3	11.4	86		0.831 (40-140) 25
Aliphatic C28-C40	20.0	17.1	86		0.09 (40-140) 25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%) QC Limit Of RPD
n-Nonane (C9)	3.3	1.58245	48		4.26 (40-140) 25
n-Decane (C10)	3.3	1.90681	58		3.51 (40-140) 25
Naphthalene (C11.7)	3.3	0.00000	0	*	0 (40-140) 25
n-Dodecane (C12)	3.3	2.21244	67		4.58 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	0 (40-140) 25
n-Tetradecane (C14)	3.3	2.50172	76		4.03 (40-140) 25
n-Hexadecane (C16)	3.3	2.76509	84		3.64 (40-140) 25
n-Octadecane (C18)	3.3	2.95676	90		3.39 (40-140) 25
n-Eicosane (C20)	3.3	3.26772	99		1.02 (40-140) 25
n-Heneicosane (C21)	3.3	3.16261	96		1.05 (40-140) 25
n-Docosane (C22)	3.3	3.09861	94		0 (40-140) 25
n-Tetracosane (C24)	6.7	2.93233	44		0 (40-140) 25
n-Hexacosane (C26)	3.3	2.72827	83		1.2 (40-140) 25
n-Octacosane (C28)	3.3	2.63276	80		0 (40-140) 25
n-Tricontane (C30)	3.3	2.59023	78		1.27 (40-140) 25
n-Dotriacontane (C32)	3.3	2.66215	81		0 (40-140) 25
n-Tetratriacontane (C34)	3.3	2.81730	85		1.17 (40-140) 25
n-Hexatriacontane (C36)	3.3	3.02164	92		0 (40-140) 25
n-Octatriacontane (C38)	3.3	3.11900	95		1.06 (40-140) 25
n-Tetracontane (C40)	3.3	2.98850	91		3.35 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169768BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q3123

Instrument ID: FID_D

Lab Sample ID: PB169768BL

Matrix: (soil/water) Solid

Date Extracted: 9/22/2025 8:35:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169768BS	PB169768BS
PB169768BSD	PB169768BSD
TP-2	Q3123-01
TP-2MS	Q3123-01MS
TP-2MSD	Q3123-01MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BL	SDG No.:	Q3123
Lab Sample ID:	PB169768BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:35	09/22/25 14:52	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	1	0.14	1.00	mg/kg	FE055923.D
Aliphatic C12-C16	Aliphatic C12-C16	0.67	U	1	0.11	0.67	mg/kg	FE055923.D
Aliphatic C16-C21	Aliphatic C16-C21	1.00	U	1	0.13	1.00	mg/kg	FE055923.D
Aliphatic C21-C28	Aliphatic C21-C28	1.33	U	1	0.53	1.33	mg/kg	FE055923.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FE055923.D
Aromatic C10-C12	Aromatic C10-C12	0.67	U	1	0.12	0.67	mg/kg	FD049738.D
Aromatic C12-C16	Aromatic C12-C16	1.00	U	1	0.23	1.00	mg/kg	FD049738.D
Aromatic C16-C21	Aromatic C16-C21	1.67	U	1	0.40	1.67	mg/kg	FD049738.D
Aromatic C21-C36	Aromatic C21-C36	2.66	U	1	1.19	2.66	mg/kg	FD049738.D
Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.00	U		1.94	6.00	mg/kg	
Total EPH	Total EPH	12.0	U		4.03	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BL	SDG No.:	Q3123
Lab Sample ID:	PB169768BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049738.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.67	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	1.00	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.67	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.66	U	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	34.6		40 - 140	69%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.0		40 - 140	76%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169768BL	Acq On:	22 Sep 2025 14:45
Client Sample ID:	PB169768BL	Operator:	YP/AJ
Data file:	FD049738.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	0	0	200	ug/ml
Aromatic C12-C16	6.132	8.759	0	0	300	ug/ml
Aromatic C16-C21	8.760	13.050	0	0	500	ug/ml
Aromatic C21-C36	13.051	18.469	0	0	800	ug/ml
Aromatic EPH	4.389	18.469	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.698	7.698	3888239	34.57		ug/ml
2-Fluorobiphenyl (SURRE)	8.561	8.561	2756370	34.34		ug/ml
ortho-Terphenyl (SURRE)	11.610	11.610	5382097	38.04		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BL	SDG No.:	Q3123
Lab Sample ID:	PB169768BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055923.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.67	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	1.00	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.33	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169768BL	Acq On:	22 Sep 2025 14:52
Client Sample ID:	PB169768BL	Operator:	YP\AJ
Data file:	FE055923.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	0	0	300	ug/ml
Aliphatic C12-C16	6.948	10.400	0	0	200	ug/ml
Aliphatic C16-C21	10.401	13.780	0	0	300	ug/ml
Aliphatic C21-C28	13.781	17.452	0	0	400	ug/ml
Aliphatic C28-C40	17.453	22.472	0	0	600	ug/ml
Aliphatic EPH	3.312	22.472	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4558130	36.45		ug/ml
Aliphatic C9-C28	3.312	17.452	0	0	1200	ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BS	SDG No.:	Q3123
Lab Sample ID:	PB169768BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:35	09/22/25 15:23	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.51		1	0.14	1.00	mg/kg FE055924.D
Aliphatic C12-C16	Aliphatic C12-C16	5.08		1	0.11	0.67	mg/kg FE055924.D
Aliphatic C16-C21	Aliphatic C16-C21	9.26		1	0.13	1.00	mg/kg FE055924.D
Aliphatic C21-C28	Aliphatic C21-C28	11.5		1	0.53	1.33	mg/kg FE055924.D
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1	1.18	2.00	mg/kg FE055924.D
Aromatic C10-C12	Aromatic C10-C12	4.24		1	0.12	0.67	mg/kg FD049739.D
Aromatic C12-C16	Aromatic C12-C16	6.86		1	0.23	1.00	mg/kg FD049739.D
Aromatic C16-C21	Aromatic C16-C21	13.7		1	0.40	1.67	mg/kg FD049739.D
Aromatic C21-C36	Aromatic C21-C36	23.0		1	1.19	2.67	mg/kg FD049739.D
Total AliphaticEPH	Total AliphaticEPH	48.5			2.09	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	47.8			1.94	6.01	mg/kg
Total EPH	Total EPH	96.3			4.03	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BS	SDG No.:	Q3123
Lab Sample ID:	PB169768BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049739.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.24		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.86		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	13.7		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.0		1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.6		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	36.2		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.9		40 - 140	82%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169768BS	Acq On:	22 Sep 2025 15:29
Client Sample ID:	PB169768BS	Operator:	YP/AJ
Data file:	FD049739.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	7386464	63.646	200	ug/ml
Aromatic C12-C16	6.132	8.759	13984386	102.928	300	ug/ml
Aromatic C16-C21	8.760	13.050	27944744	205.823	500	ug/ml
Aromatic C21-C36	13.051	18.469	40819464	344.987	800	ug/ml
Aromatic EPH	4.389	18.469	90135058	717.384		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4120394	36.64		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	2903364	36.17		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	5789573	40.92		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BS	SDG No.:	Q3123
Lab Sample ID:	PB169768BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055924.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.51		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.08		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.26		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.5		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169768BS	Acq On:	22 Sep 2025 15:23
Client Sample ID:	PB169768BS	Operator:	YP\AJ
Data file:	FE055924.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	10609280	82.624	300	ug/ml
Aliphatic C12-C16	6.948	10.400	10305489	76.283	200	ug/ml
Aliphatic C16-C21	10.401	13.780	20033147	138.91	300	ug/ml
Aliphatic C21-C28	13.781	17.452	24651770	172.106	400	ug/ml
Aliphatic C28-C40	17.453	22.472	35284248	256.203	600	ug/ml
Aliphatic EPH	3.312	22.472	100883934	726.127		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4998928	39.98		ug/ml
Aliphatic C9-C28	3.312	17.452	65599686	469.923	1200	ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BSD	SDG No.:	Q3123
Lab Sample ID:	PB169768BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:35	09/22/25 15:53	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.71		1	0.14	1.00	mg/kg FE055925.D
Aliphatic C12-C16	Aliphatic C12-C16	5.27		1	0.11	0.67	mg/kg FE055925.D
Aliphatic C16-C21	Aliphatic C16-C21	9.38		1	0.13	1.00	mg/kg FE055925.D
Aliphatic C21-C28	Aliphatic C21-C28	11.4		1	0.53	1.33	mg/kg FE055925.D
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1	1.18	2.00	mg/kg FE055925.D
Aromatic C10-C12	Aromatic C10-C12	4.18		1	0.12	0.67	mg/kg FD049740.D
Aromatic C12-C16	Aromatic C12-C16	6.76		1	0.23	1.00	mg/kg FD049740.D
Aromatic C16-C21	Aromatic C16-C21	13.6		1	0.40	1.67	mg/kg FD049740.D
Aromatic C21-C36	Aromatic C21-C36	23.2		1	1.19	2.66	mg/kg FD049740.D
Total AliphaticEPH	Total AliphaticEPH	48.9			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	47.7			1.94	6.00	mg/kg
Total EPH	Total EPH	96.6			4.03	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BSD	SDG No.:	Q3123
Lab Sample ID:	PB169768BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049740.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.18		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.76		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	13.6		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.2		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.0		40 - 140	72%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.4		40 - 140	81%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169768BSD	Acq On:	22 Sep 2025 16:13
Client Sample ID:	PB169768BSD	Operator:	YP/AJ
Data file:	FD049740.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	7279103	62.721	200	ug/ml
Aromatic C12-C16	6.132	8.759	13782195	101.44	300	ug/ml
Aromatic C16-C21	8.760	13.050	27733201	204.265	500	ug/ml
Aromatic C21-C36	13.051	18.469	41167403	347.927	800	ug/ml
Aromatic EPH	4.389	18.469	89961902	716.353		ug/ml
2-Bromonaphthalene (SURRE)	7.697	7.697	4054319	36.05		ug/ml
2-Fluorobiphenyl (SURRE)	8.561	8.561	2837945	35.35		ug/ml
ortho-Terphenyl (SURRE)	11.610	11.610	5708857	40.35		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	PB169768BSD	SDG No.:	Q3123
Lab Sample ID:	PB169768BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055925.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.71		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.27		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.38		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.4		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169768BSD	Acq On:	22 Sep 2025 15:53
Client Sample ID:	PB169768BSD	Operator:	YP\AJ
Data file:	FE055925.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	11008413	85.733	300	ug/ml
Aliphatic C12-C16	6.948	10.400	10696938	79.181	200	ug/ml
Aliphatic C16-C21	10.401	13.780	20321484	140.909	300	ug/ml
Aliphatic C21-C28	13.781	17.452	24505938	171.088	400	ug/ml
Aliphatic C28-C40	17.453	22.472	35433303	257.286	600	ug/ml
Aliphatic EPH	3.312	22.472	101966076	734.196		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4999351	39.98		ug/ml
Aliphatic C9-C28	3.312	17.452	66532773	476.911	1200	ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MS	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:35	09/22/25 18:56	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.10		1	0.15	1.10	mg/kg FE055931.D
Aliphatic C12-C16	Aliphatic C12-C16	8.23		1	0.12	0.74	mg/kg FE055931.D
Aliphatic C16-C21	Aliphatic C16-C21	12.4		1	0.14	1.10	mg/kg FE055931.D
Aliphatic C21-C28	Aliphatic C21-C28	14.8		1	0.58	1.47	mg/kg FE055931.D
Aliphatic C28-C40	Aliphatic C28-C40	28.5		1	1.30	2.20	mg/kg FE055931.D
Aromatic C10-C12	Aromatic C10-C12	5.42		1	0.13	0.74	mg/kg FD049743.D
Aromatic C12-C16	Aromatic C12-C16	12.2		1	0.25	1.10	mg/kg FD049743.D
Aromatic C16-C21	Aromatic C16-C21	35.9		1	0.44	1.84	mg/kg FD049743.D
Aromatic C21-C36	Aromatic C21-C36	54.4		1	1.31	2.94	mg/kg FD049743.D
Total AliphaticEPH	Total AliphaticEPH	72.0			2.30	6.61	mg/kg
Total AromaticEPH	Total AromaticEPH	108			2.14	6.62	mg/kg
Total EPH	Total EPH	180			4.44	13.2	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MS	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049743.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.42		0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.2		0.25	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	35.9		0.44	1.84	mg/kg
Aromatic C21-C36	Aromatic C21-C36	54.4		1.31	2.94	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.3		40 - 140	93%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3123-01MS	Acq On:	22 Sep 2025 18:30
Client Sample ID:	TP-2MS	Operator:	YP/AJ
Data file:	FD049743.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	8552537	73.693	200	ug/ml
Aromatic C12-C16	6.132	8.759	22639789	166.634	300	ug/ml
Aromatic C16-C21	8.760	13.050	66254454	487.988	500	ug/ml
Aromatic C21-C36	13.051	18.469	87616130	740.49	800	ug/ml
Aromatic EPH	4.389	18.469	185062910	1470		ug/ml
2-Bromonaphthalene (SURRE)	7.698	7.698	5202975	46.26		ug/ml
2-Fluorobiphenyl (SURRE)	8.562	8.562	3201079	39.88		ug/ml
ortho-Terphenyl (SURRE)	11.610	11.610	4497026	31.79		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MS	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055931.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.10		0.15	1.10	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.23		0.12	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.4		0.14	1.10	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.8		0.58	1.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.5		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.0		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3123-01MS	Acq On:	22 Sep 2025 18:56
Client Sample ID:	TP-2MS	Operator:	YP\AJ
Data file:	FE055931.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	14150886	110.206	300	ug/ml
Aliphatic C12-C16	6.948	10.400	15127774	111.979	200	ug/ml
Aliphatic C16-C21	10.401	13.780	24239985	168.08	300	ug/ml
Aliphatic C21-C28	13.781	17.452	28784191	200.957	400	ug/ml
Aliphatic C28-C40	17.453	22.472	53362221	387.47	600	ug/ml
Aliphatic EPH	3.312	22.472	135665057	978.691		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	6757456	54.04		ug/ml
Aliphatic C9-C28	3.312	17.452	82302836	591.222	1200	ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MSD	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:35	09/22/25 19:27	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.35		1	0.16	1.10	mg/kg FE055932.D
Aliphatic C12-C16	Aliphatic C12-C16	7.72		1	0.12	0.74	mg/kg FE055932.D
Aliphatic C16-C21	Aliphatic C16-C21	12.1		1	0.14	1.10	mg/kg FE055932.D
Aliphatic C21-C28	Aliphatic C21-C28	15.0		1	0.59	1.47	mg/kg FE055932.D
Aliphatic C28-C40	Aliphatic C28-C40	29.1		1	1.30	2.21	mg/kg FE055932.D
Aromatic C10-C12	Aromatic C10-C12	5.45		1	0.13	0.74	mg/kg FD049744.D
Aromatic C12-C16	Aromatic C12-C16	10.6		1	0.25	1.10	mg/kg FD049744.D
Aromatic C16-C21	Aromatic C16-C21	36.2		1	0.44	1.84	mg/kg FD049744.D
Aromatic C21-C36	Aromatic C21-C36	54.9		1	1.31	2.94	mg/kg FD049744.D
Total AliphaticEPH	Total AliphaticEPH	71.3			2.31	6.62	mg/kg
Total AromaticEPH	Total AromaticEPH	107			2.14	6.62	mg/kg
Total EPH	Total EPH	178			4.44	13.2	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MSD	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049744.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.45		0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.6		0.25	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	36.2		0.44	1.84	mg/kg
Aromatic C21-C36	Aromatic C21-C36	54.9		1.31	2.94	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.6		40 - 140	93%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3123-01MSD	Acq On:	22 Sep 2025 19:15
Client Sample ID:	TP-2MSD	Operator:	YP/AJ
Data file:	FD049744.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	8588803	74.006	200	ug/ml
Aromatic C12-C16	6.132	8.759	19649423	144.624	300	ug/ml
Aromatic C16-C21	8.760	13.050	66677932	491.108	500	ug/ml
Aromatic C21-C36	13.051	18.469	88284067	746.135	800	ug/ml
Aromatic EPH	4.389	18.469	183200225	1460		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	5245254	46.64		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3213511	40.03		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	4502339	31.82		ug/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MSD	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055932.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.35		0.16	1.10	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.72		0.12	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.1		0.14	1.10	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	15.0		0.59	1.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.1		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.9		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3123-01MSD	Acq On:	22 Sep 2025 19:27
Client Sample ID:	TP-2MSD	Operator:	YP\AJ
Data file:	FE055932.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	12818427	99.829	300	ug/ml
Aliphatic C12-C16	6.948	10.400	14167262	104.869	200	ug/ml
Aliphatic C16-C21	10.401	13.780	23796487	165.005	300	ug/ml
Aliphatic C21-C28	13.781	17.452	29090503	203.095	400	ug/ml
Aliphatic C28-C40	17.453	22.472	54360132	394.716	600	ug/ml
Aliphatic EPH	3.312	22.472	134232811	967.513		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	6742247	53.92		ug/ml
Aliphatic C9-C28	3.312	17.452	79872679	572.798	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FD090425AR

AreaCount

Parameter Range	FD049718.D	FD049719.D	FD049720.D	FD049721.D	FD049722.D	
Aromatic C10-C12	22703296.000	11086087.000	4643611.000	2277248.000	1259509.000	
Aromatic C12-C16	39984460.000	19661953.000	8193867.000	4001323.000	2175378.000	
Aromatic C16-C21	53345381.000	26489360.000	11024855.000	5315893.000	2846688.000	
Aromatic C21-C36	100704025.000	50911530.000	21618248.000	10600307.000	5791358.000	
Aromatic EPH	216737162.000	108148930.000	45480581.000	22194771.000	12072933.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	116056.185	5.027				
Aromatic C12-C16	135865.6606664	4.034				
Aromatic C16-C21	135770.533	3.132				
Aromatic C21-C36	118321.9011106	5.659				
Aromatic EPH	124871.5885552	4.611				

Concentration

Parameter Range	FD049718.D	FD049719.D	FD049720.D	FD049721.D	FD049722.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD049718.D	FD049719.D	FD049720.D	FD049721.D	FD049722.D	
Aromatic C10-C12	113516.480000	110860.870000	116090.275000	113862.400000	125950.900000	
Aromatic C12-C16	133281.533333	131079.686666	136564.450000	133377.433333	145025.200000	
Aromatic C16-C21	133363.452500	132446.800000	137810.687500	132897.325000	142334.400000	
Aromatic C21-C36	111893.361111	113136.733333	120101.377777	117781.188888	128696.844444	
Aromatic EPH	120409.534444	120165.477777	126334.947222	123304.283333	134143.700000	

Initial Calibration Report for SequenceID : FE082925AL

AreaCount

Parameter Range	FE055545.D	FE055546.D	FE055547.D	FE055548.D	FE055549.D	
Aliphatic C9-C12	36131908.000	18793237.000	7683758.000	3922762.000	2062046.000	
Aliphatic C12-C16	25458636.000	13147541.000	5377243.000	2752069.000	1446731.000	
Aliphatic C16-C21	40534429.000	20932155.000	8616013.000	4440715.000	2321992.000	
Aliphatic C21-C28	53136513.000	27590202.000	11417606.000	5910364.000	3098144.000	
Aliphatic C28-C40	75097151.000	39091365.000	16277300.000	8645814.000	4601724.000	
Aliphatic EPH	230358637.000	119554500.000	49371920.000	25671724.000	13530637.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128403.8079996	4.941				
Aliphatic C12-C16	135095.243	4.86				
Aliphatic C16-C21	144217.1959996	5.275				
Aliphatic C21-C28	143235.7335	5.974				
Aliphatic C28-C40	137719.6669998	8.144				
Aliphatic EPH	138184.1352218	6.281				

Concentration

Parameter Range	FE055545.D	FE055546.D	FE055547.D	FE055548.D	FE055549.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE055545.D	FE055546.D	FE055547.D	FE055548.D	FE055549.D	
Aliphatic C9-C12	120439.693333	125288.246666	128062.633333	130758.733333	137469.733333	
Aliphatic C12-C16	127293.180000	131475.410000	134431.075000	137603.450000	144673.100000	
Aliphatic C16-C21	135114.763333	139547.700000	143600.216666	148023.833333	154799.466666	

Initial Calibration Report for SequenceID : FE082925AL

Aliphatic C21-C28	132841.282500	137951.010000	142720.075000	147759.100000	154907.200000	
Aliphatic C28-C40	125161.918333	130304.550000	135644.166666	144096.900000	153390.800000	
Aliphatic EPH	127977.020555	132838.333333	137144.222222	142620.688888	150340.411111	

Continuing Calibration Report for SequenceID : FD092225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FD049737.D

Aromatic C12-C16	7916565.000	60.000	6.132	8.759	131942.750	135865.661	2.887
Aromatic C16-C21	10200765.000	80.000	8.760	13.050	127509.563	135770.533	6.085
Aromatic C10-C12	4502846.000	40.000	4.389	6.131	112571.150	116056.185	3.003
Aromatic C21-C36	19572572.000	180.000	13.051	18.469	108736.511	118321.901	8.101
Aromatic EPH	42192748.000	360.000	4.389	18.469	117202.078	124871.589	6.142

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	22 Sep 2025 11:01
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049737.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.389	6.131	4502846.000	40.000	ug/ml
Aromatic C12-C16	6.132	8.759	7916565.000	60.000	ug/ml
Aromatic C16-C21	8.760	13.050	10200765.000	80.000	ug/ml
Aromatic C21-C36	13.051	18.469	19572572.000	180.000	ug/ml
Aromatic EPH	4.389	18.469	42192748.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD092225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FD049746.D

Aromatic C12-C16	8102983.000	60.000	6.132	8.759	135049.717	135865.661	0.601
Aromatic C16-C21	10726454.000	80.000	8.760	13.050	134080.675	135770.533	1.245
Aromatic C10-C12	4630056.000	40.000	4.389	6.131	115751.400	116056.185	0.263
Aromatic C21-C36	20745012.000	180.000	13.051	18.469	115250.067	118321.901	2.596
Aromatic EPH	44204505.000	360.000	4.389	18.469	122790.292	124871.589	1.667

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	22 Sep 2025 21:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049746.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.389	6.131	4630056.000	40.000	ug/ml
Aromatic C12-C16	6.132	8.759	8102983.000	60.000	ug/ml
Aromatic C16-C21	8.760	13.050	10726454.000	80.000	ug/ml
Aromatic C21-C36	13.051	18.469	20745012.000	180.000	ug/ml
Aromatic EPH	4.389	18.469	44204505.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE092225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055922.D

Aliphatic C9-C12	7414182.000	60.000	3.312	6.947	123569.700	128403.808	3.765
Aliphatic C12-C16	5562106.000	40.000	6.948	10.400	139052.650	135095.243	-2.929
Aliphatic C16-C21	9150491.000	60.000	10.401	13.780	152508.183	144217.196	-5.749
Aliphatic C21-C28	11352142.000	80.000	13.781	17.452	141901.775	143235.734	0.931
Aliphatic C28-C40	15331755.000	120.000	17.453	22.472	127764.625	137719.667	7.228
Aliphatic EPH	48810676.000	360.000	3.312	22.472	135585.211	138184.135	1.881

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Sep 2025 14:01
Client Sample ID:		Operator:	YPIAJ
Data file:	FE055922.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.312	6.947	7414182.000	60.000	ug/ml
Aliphatic C12-C16	6.948	10.400	5562106.000	40.000	ug/ml
Aliphatic C16-C21	10.401	13.780	9150491.000	60.000	ug/ml
Aliphatic C21-C28	13.781	17.452	11352142.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.472	15331755.000	120.000	ug/ml
Aliphatic EPH	3.312	22.472	48810676.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE092225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FE055936.D

Aliphatic C9-C12	7098999.000	60.000	3.312	6.947	118316.650	128403.808	7.856
Aliphatic C12-C16	5339613.000	40.000	6.948	10.400	133490.325	135095.243	1.188
Aliphatic C16-C21	9091973.000	60.000	10.401	13.780	151532.883	144217.196	-5.073
Aliphatic C21-C28	11517194.000	80.000	13.781	17.452	143964.925	143235.734	-0.509
Aliphatic C28-C40	15290129.000	120.000	17.453	22.472	127417.742	137719.667	7.480
Aliphatic EPH	48337908.000	360.000	3.312	22.472	134271.967	138184.135	2.831

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Sep 2025 21:59
Client Sample ID:		Operator:	YPIAJ
Data file:	FE055936.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.312	6.947	7098999.000	60.000	ug/ml
Aliphatic C12-C16	6.948	10.400	5339613.000	40.000	ug/ml
Aliphatic C16-C21	10.401	13.780	9091973.000	60.000	ug/ml
Aliphatic C21-C28	13.781	17.452	11517194.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.472	15290129.000	120.000	ug/ml
Aliphatic EPH	3.312	22.472	48337908.000	360.000	ug/ml

LABORATORY CHRONICLE
QUALITATIVE GC FINGERPRINT BY METHOD 8015

Client: CDM Smith
Project: Con Ed for FDR
DATE RECEIVED: 09/16/2025

<u>SAMPLE DESCRIPTION/LOCATION</u>	<u>LAB ID</u>	<u>DATE SAMPLED</u>	<u>DATE EXTRACTED</u>	<u>DATE ANALYZED</u>	<u>ANALYST</u>
TP-2	Q3123-01	9/16/2025	9/17/2025	9/17/2025	YP



QC SUMMARY

TABULATED ANALYTICAL REPORT
QUALITATIVE GC FINGERPRINT

MATRIX: SOLID
DATE EXTRACTED: 9/17/2025
LAB FILE: FF016385.D

ANALYSIS DATE :09/17/2025

LAB ID
METHOD BLANK (PB169720BL)

FUEL TYPE
ND

COMMENTS:

A=GASOLINE
B=UNKNOWN FUEL OIL
C= DIESEL FUEL OIL #2
D= #4 FUEL OIL
H= #6 FUEL OIL
N = JET FUEL STANDARD
F=KEROSENE
CT= COAL TAR
PT= PAINT THINNER
WO= WEATHERED HYDRAULIC OIL

K= 30 W LUBRICATING OIL
L= 40 W LUBRICATING OIL
M= 50 W LUBRICATING OIL
ND = NOT DETECTED (CONC)
MS= MINERAL SPIRITS
O= HYDRAULIC OIL
E= NO CALIBRATED STANDARDS DETECTED
CS= CLIENT STANDARDS
WM= WEATHERED MOTOR OIL



SAMPLE DATA

TABULATED ANALYTICAL REPORT
QUALITATIVE GC FINGERPRINT

CLIENT: CDM Smith

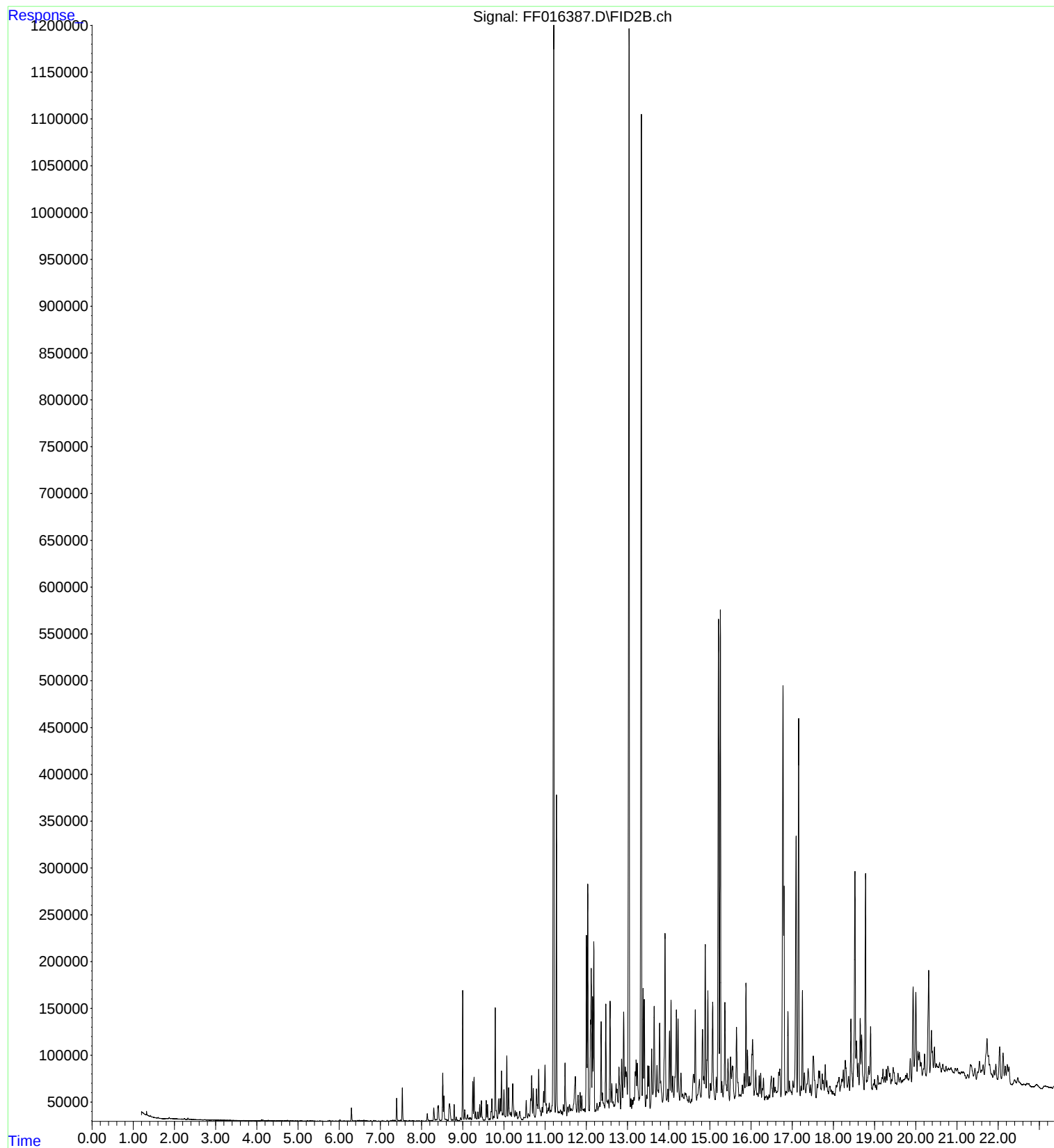
CLIENT PROJECT: Con Ed for FDR
REPORT DATE: 9/18/2025
PROJECT RECEIVED DATE: 9/16/2025
ANALYSIS DATE: 9/17/2025
EXT.DATE: 9/17/2025
MATRIX: SOLID
LAB PROJECT: Q3123

CLIENT ID	FILE ID	LAB ID	FUEL TYPE
TP-2	FF016387.D	Q3123-01	E

COMMENTS:
A=GASOLINE
B=UNKNOWN FUEL OIL
C= DIESEL FUEL OIL #2
D= #4 FUEL OIL
H= #6 FUEL OIL
N = JET FUEL STANDARD
E= NO CALIBRATED STANDARDS DETECTED
CS= CLIENT STANDARDS[DIELECTRIC FLUID]
WM= WEATHERED MOTOR OIL
WO= WEATHERED HYDRAULIC OIL

K= 30 W LUBRICATING OIL
L= 40 W LUBRICATING OIL
M= 50 W LUBRICATING OIL
ND = NOT DETECTED (CONC)
MS= MINERAL SPIRITS
O= HYDRAULIC OIL
F=KEROSENE
CT= COAL TAR
PT= PAINT THINNER

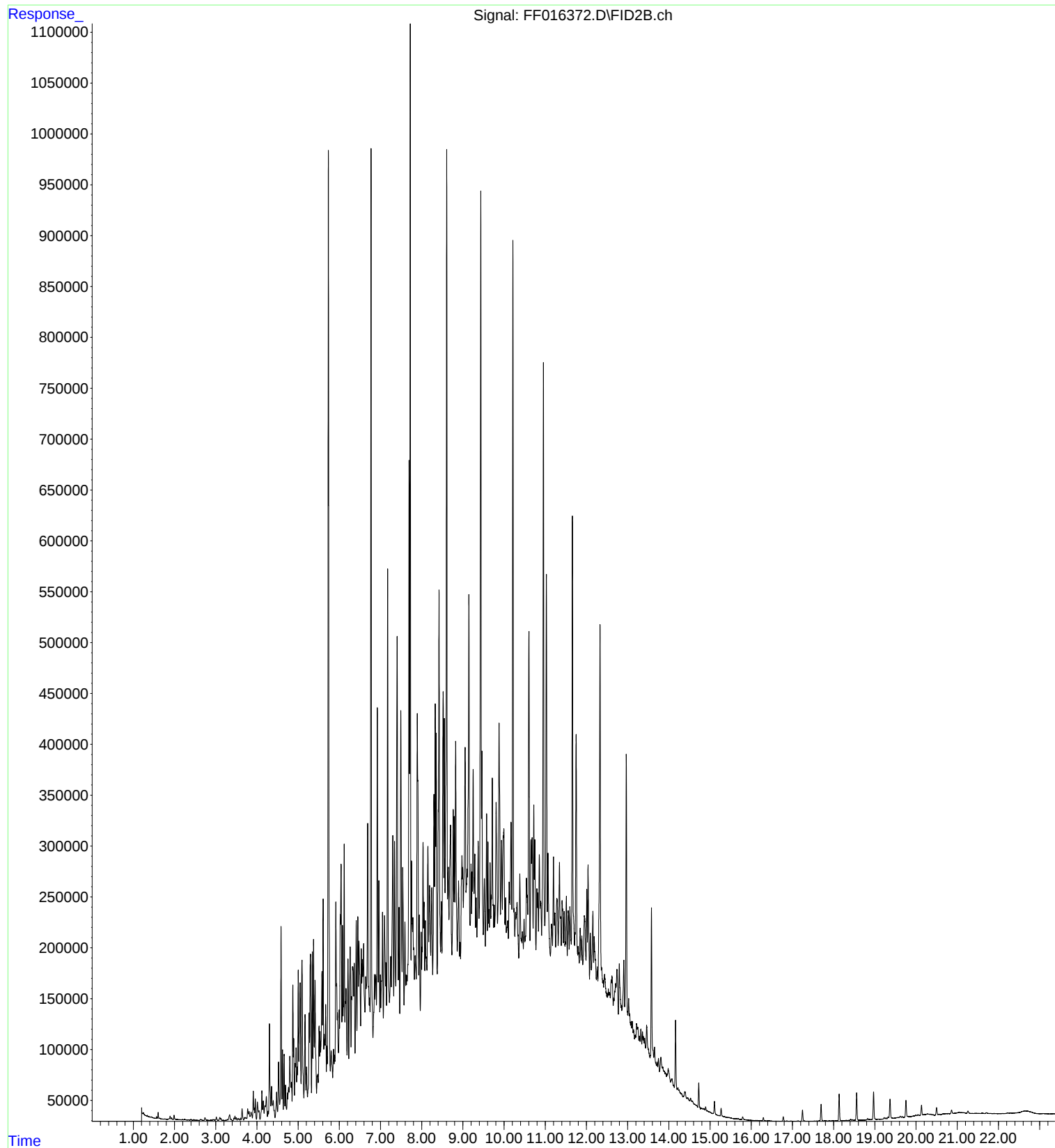
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Operator : YP\AJ
Acquired : 17 Sep 2025 18:17 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: Q3123-01
Misc Info :
Vial Number: 86



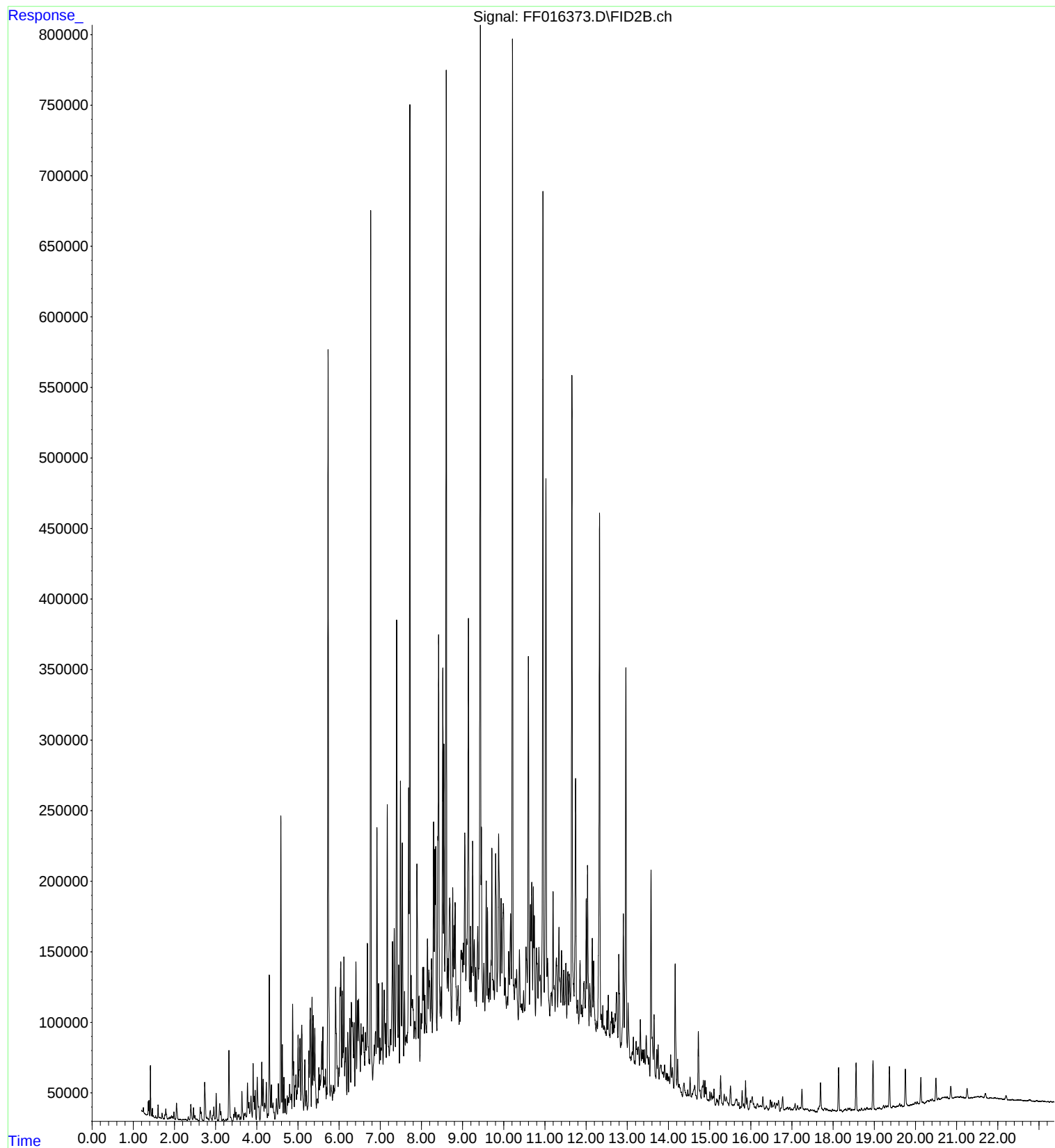


CALIBRATION SUMMARY

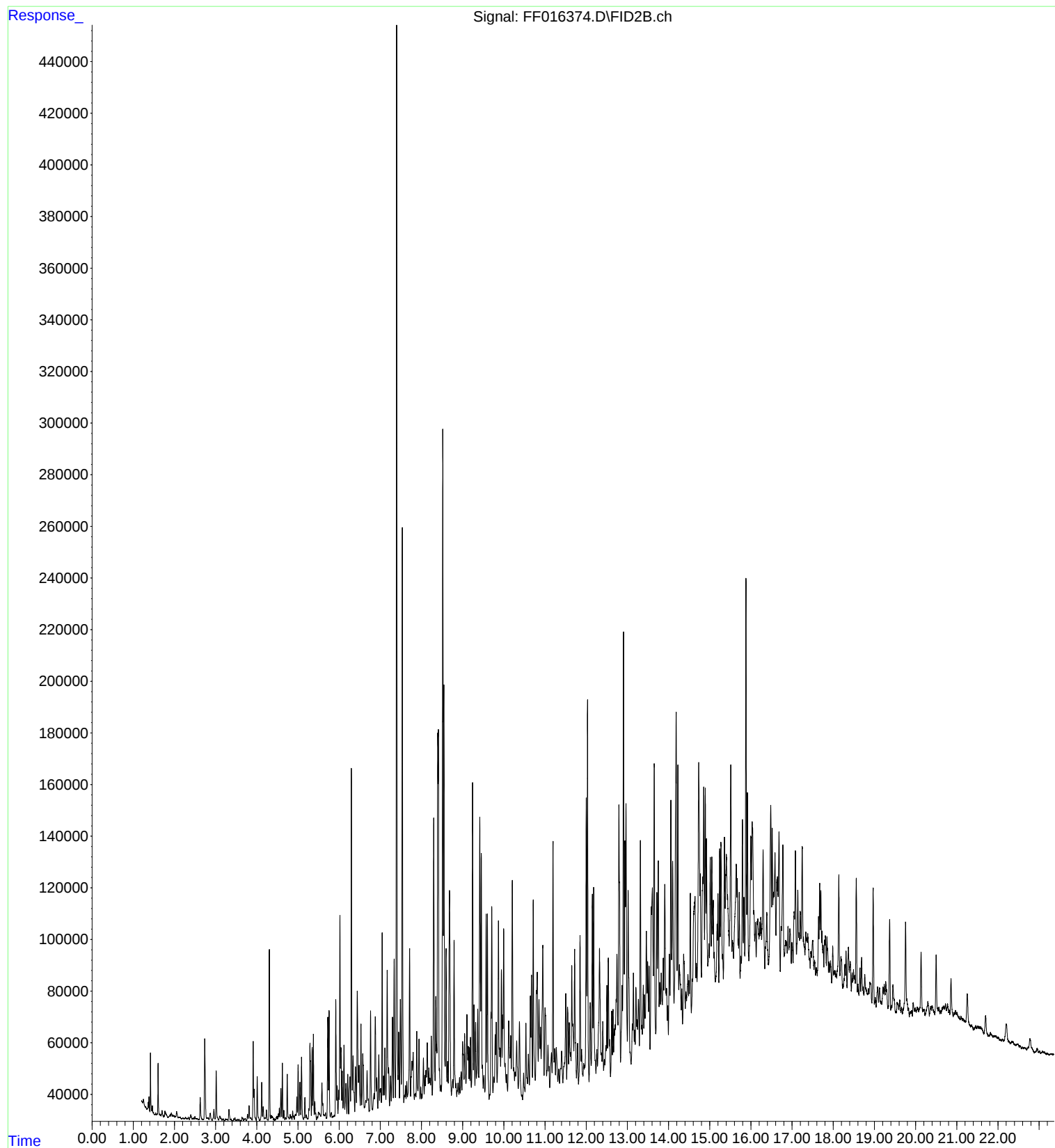
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Operator : YP\AJ
Acquired : 17 Sep 2025 09:50 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: DIESEL FUEL#2
Misc Info :
Vial Number: 71



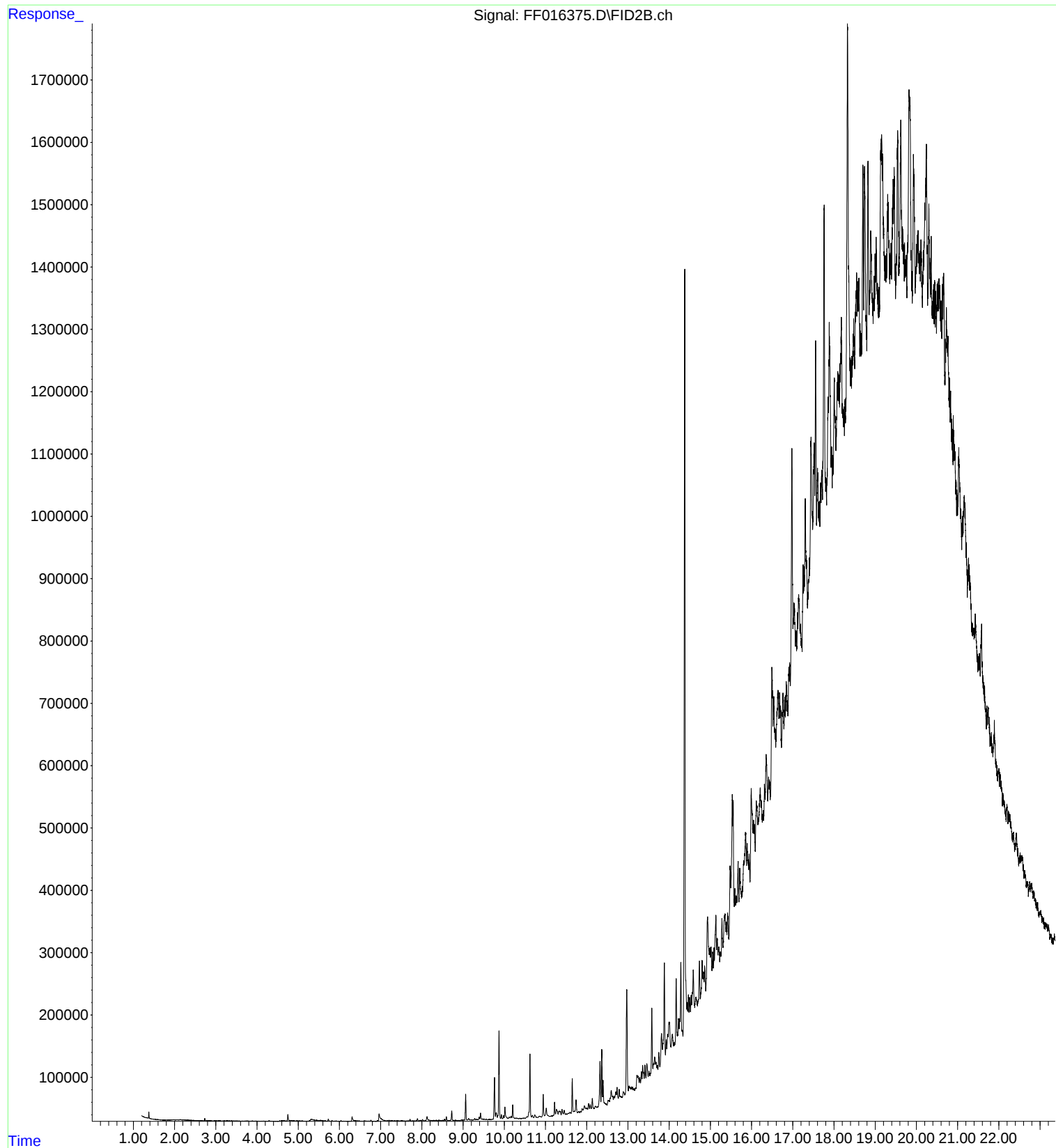
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Operator : YP\AJ
Acquired : 17 Sep 2025 10:20 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: #4 FUEL OIL STD
Misc Info :
Vial Number: 72



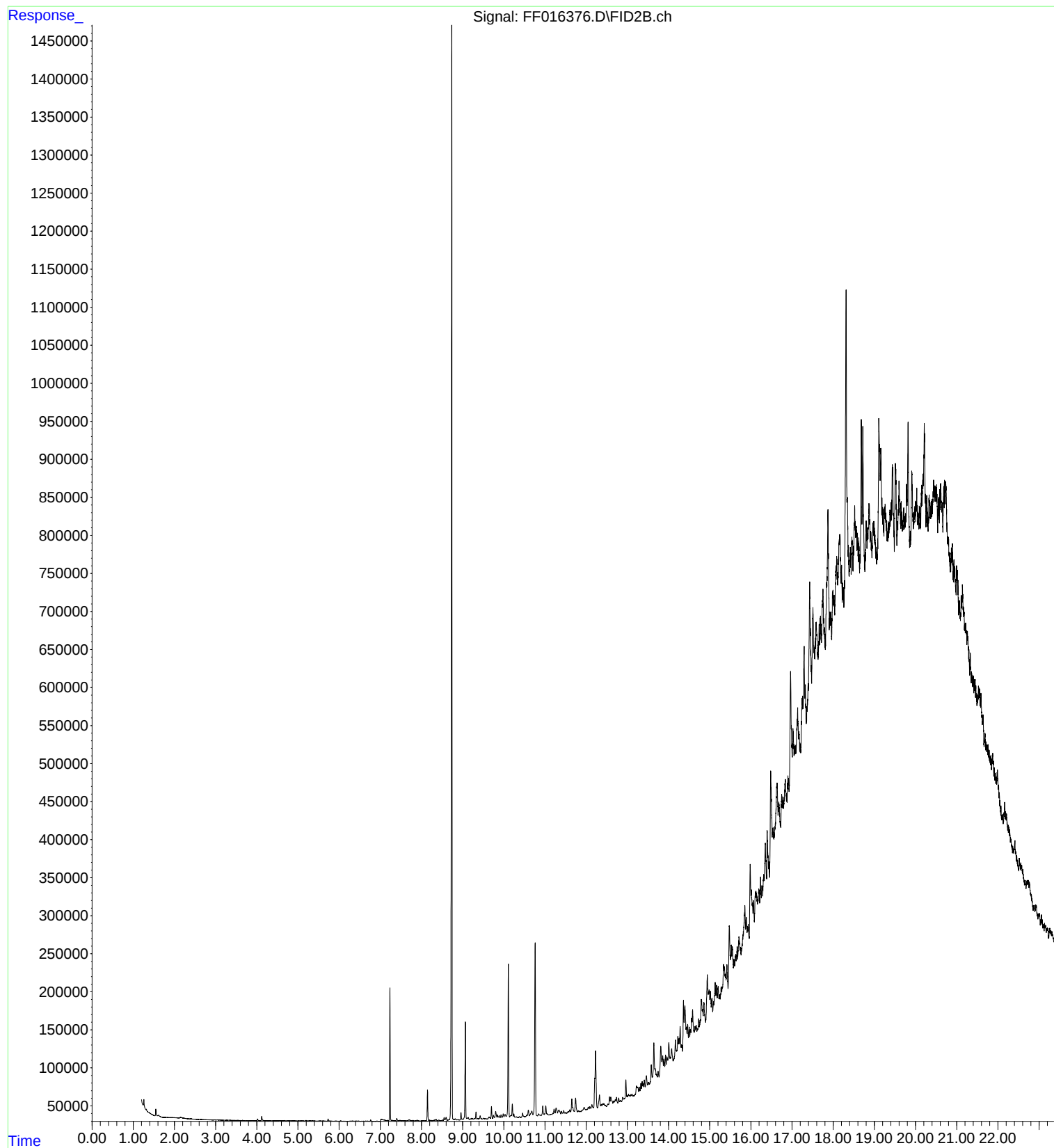
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Operator : YP\AJ
Acquired : 17 Sep 2025 10:49 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: #6 FUEL OIL STD
Misc Info :
Vial Number: 73



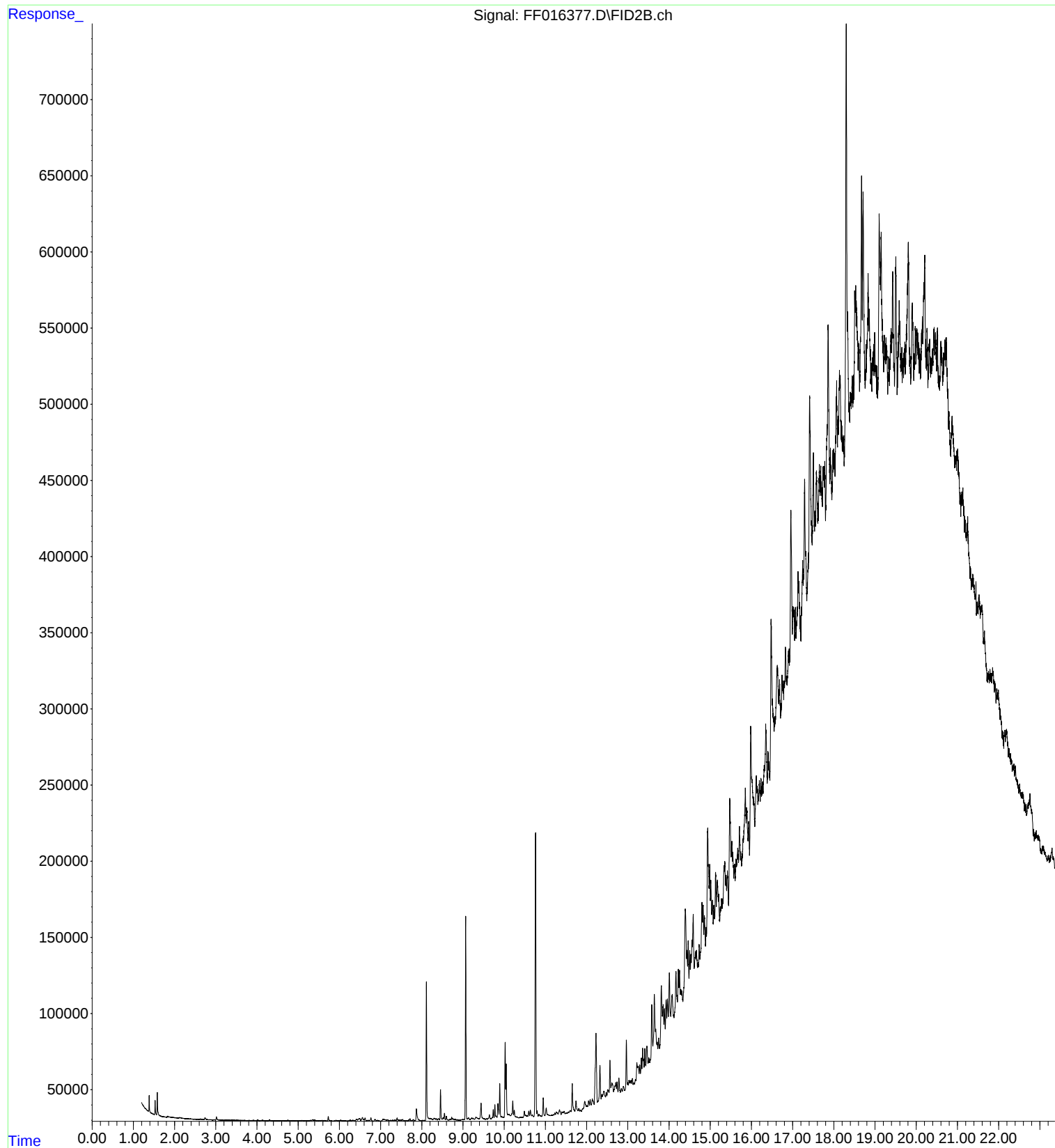
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Operator : YP\AJ
Acquired : 17 Sep 2025 11:19 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: MOTOR OIL 30
Misc Info :
Vial Number: 74



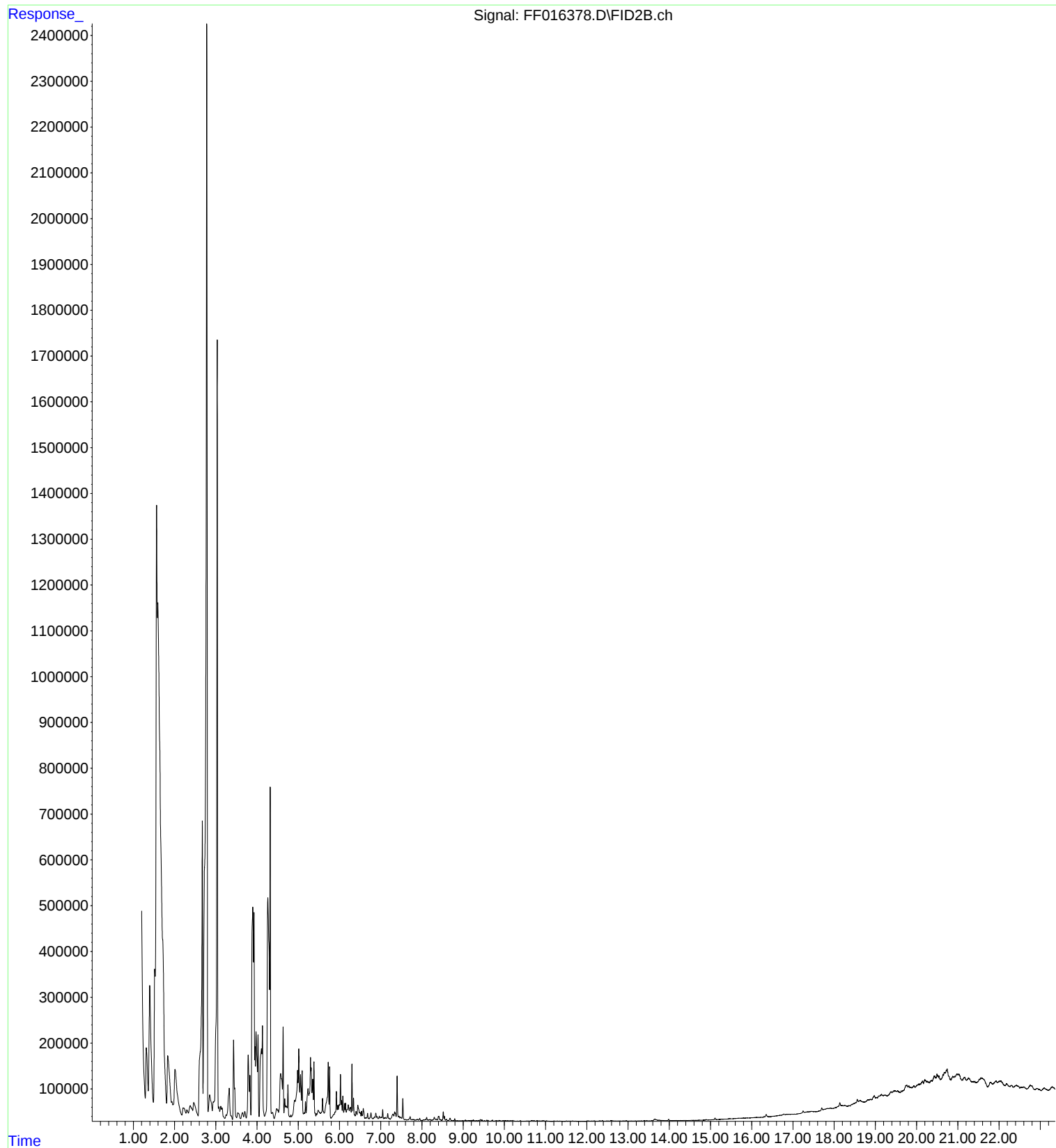
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Instrument : FID_F-G
Sample Name: MOTOR OIL 40
Misc Info :
Vial Number: 75



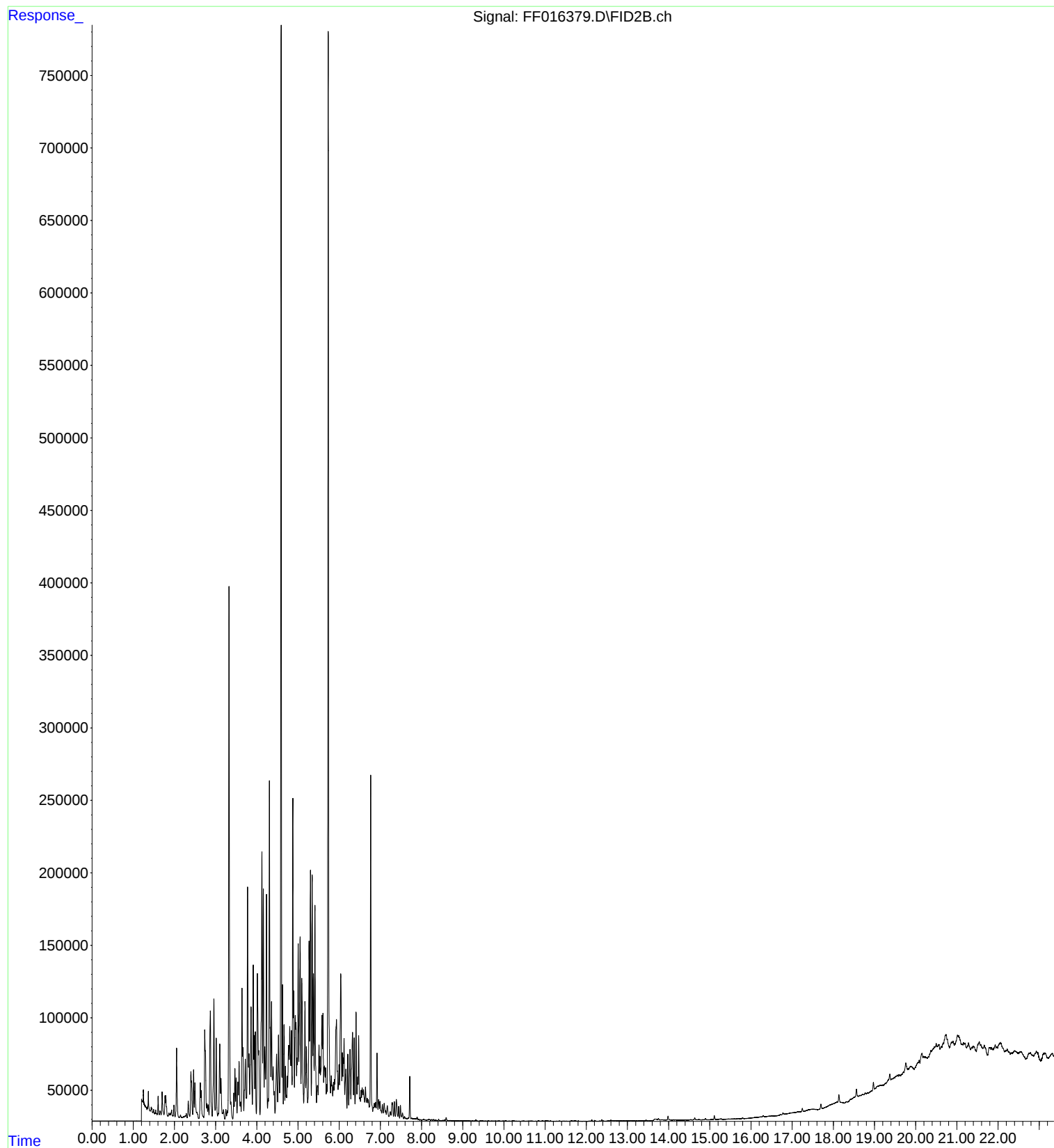
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Operator : YP\AJ
Acquired : 17 Sep 2025 12:18 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: MOTOR OIL 50
Misc Info :
Vial Number: 76



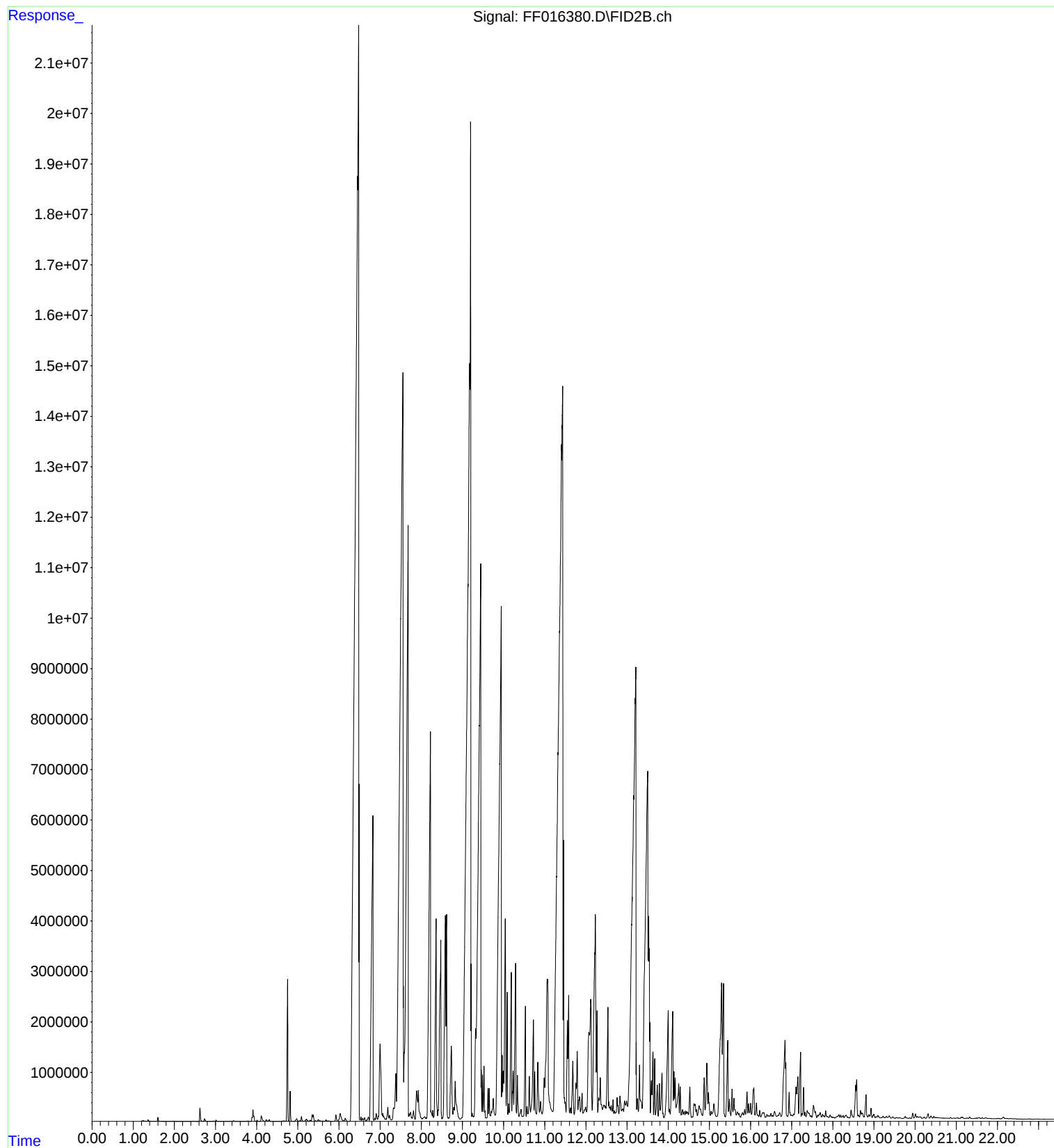
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Operator : YP\AJ
Acquired : 17 Sep 2025 12:48 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: UNLEADED GASOLINE
Misc Info :
Vial Number: 77



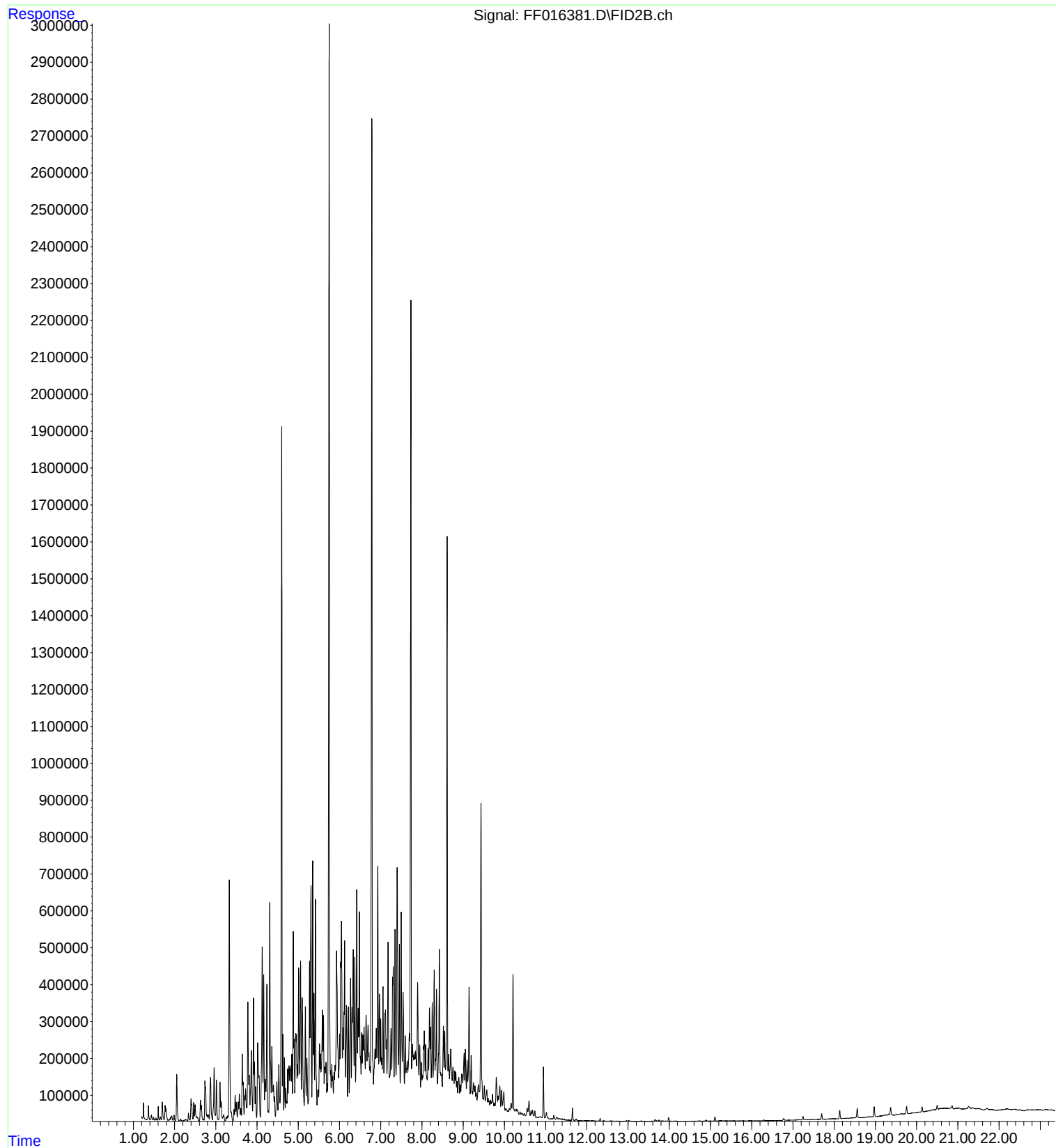
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Operator : YP\AJ
Acquired : 17 Sep 2025 13:17 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: PAINT THINNER
Misc Info :
Vial Number: 78



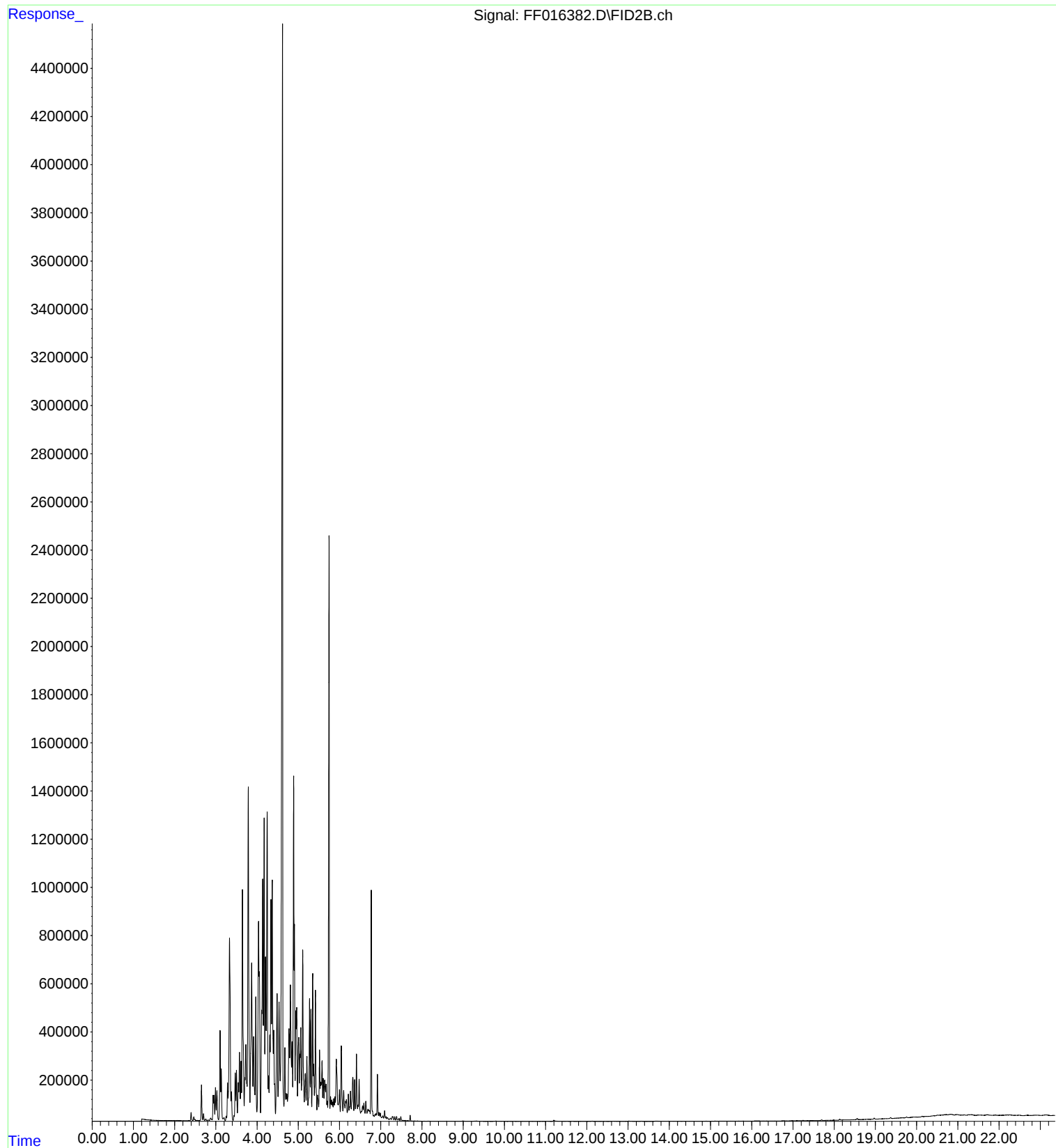
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Instrument : FID_F-G
Sample Name: COALTAR
Misc Info :
Vial Number: 79



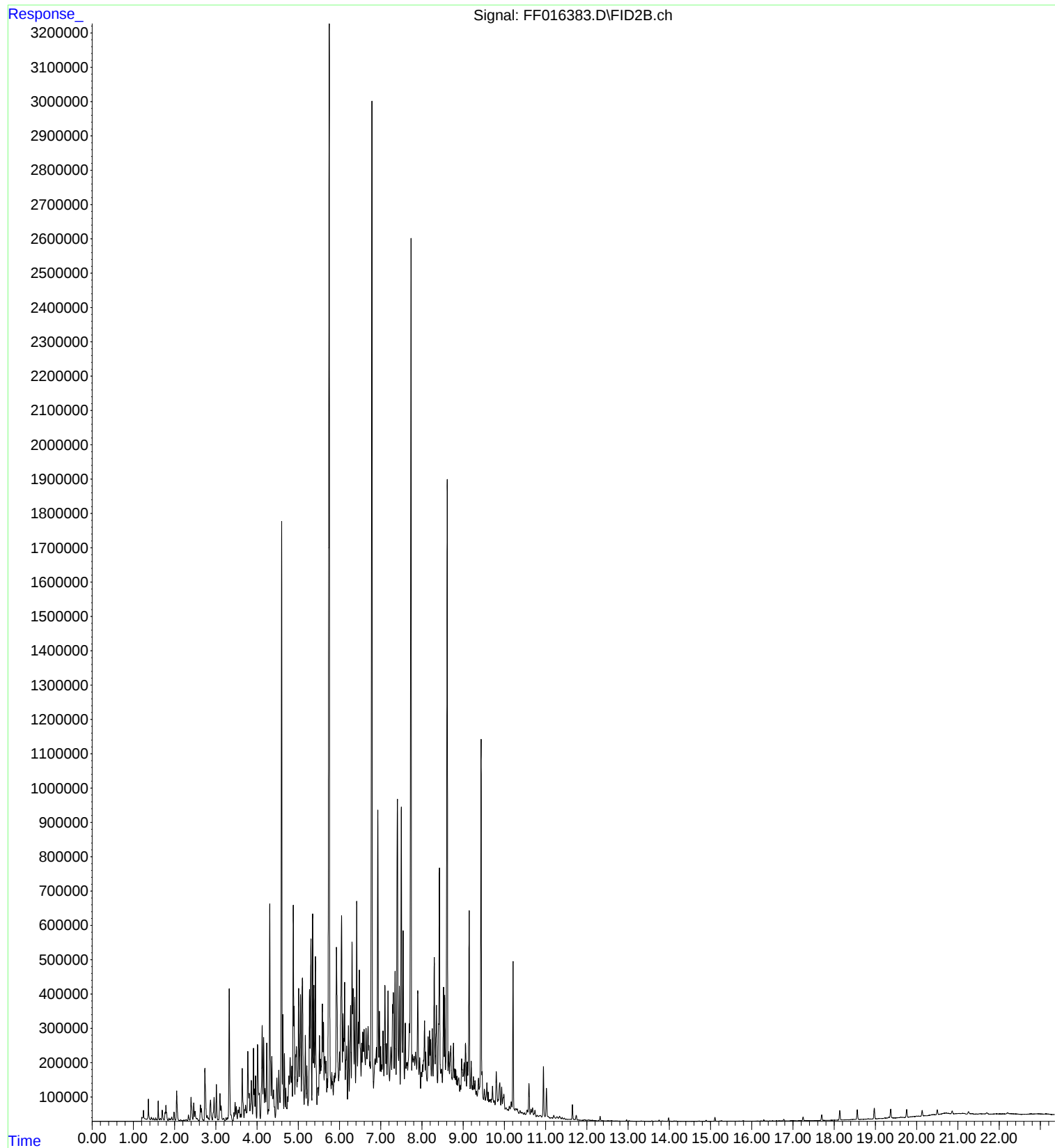
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Operator : YP\AJ
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Instrument : FID_F-G
Sample Name: JE FUEL A STD
Misc Info :
Vial Number: 80



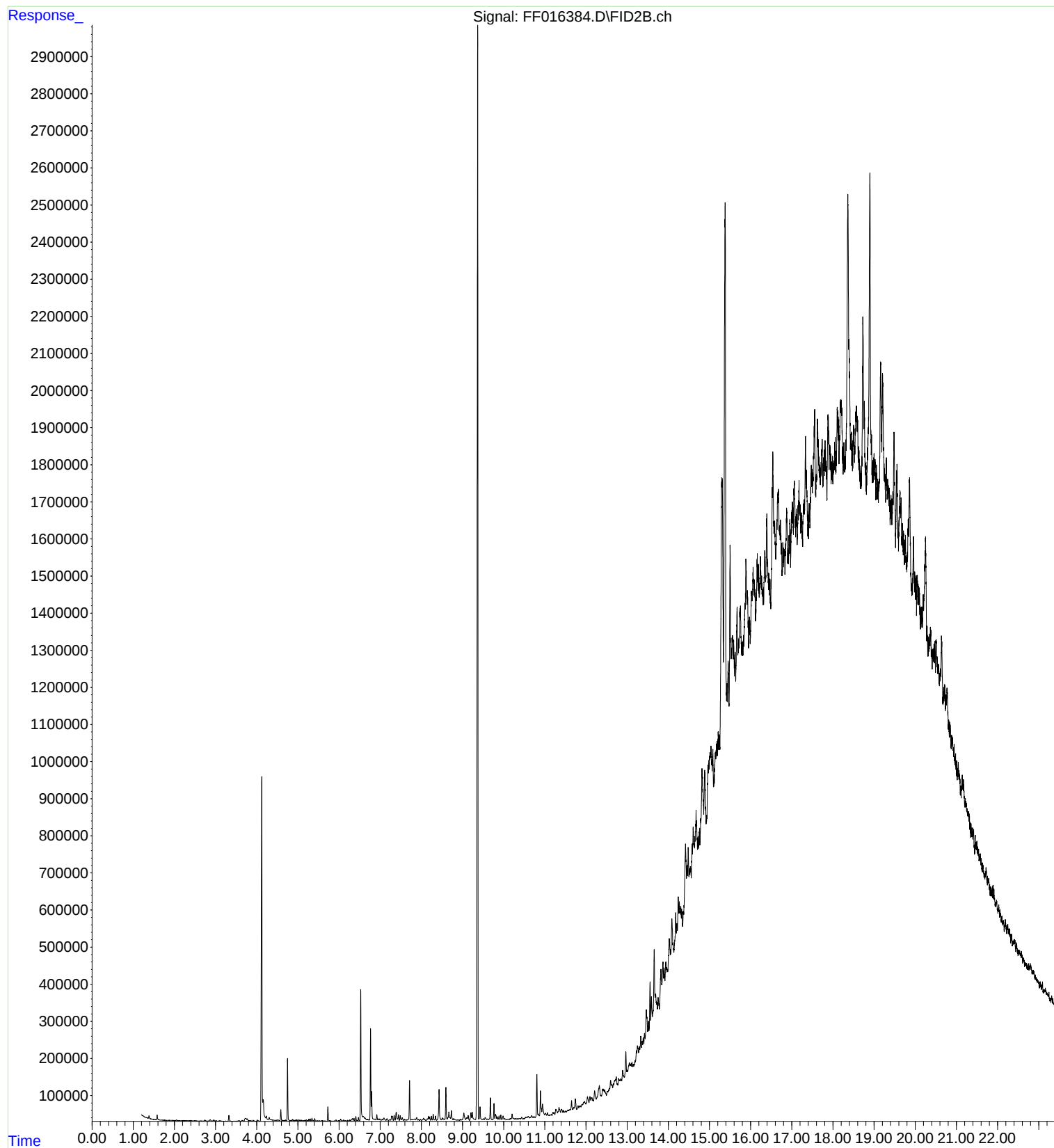
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Operator : YP\AJ
Acquired : 17 Sep 2025 14:50 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: MINERAL SPIRIT STD
Misc Info :
Vial Number: 81



File : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF091725\FF016383.D
Operator : YP\AJ
Acquired : 17 Sep 2025 15:20 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: KEROSENE STD
Misc Info :
Vial Number: 82



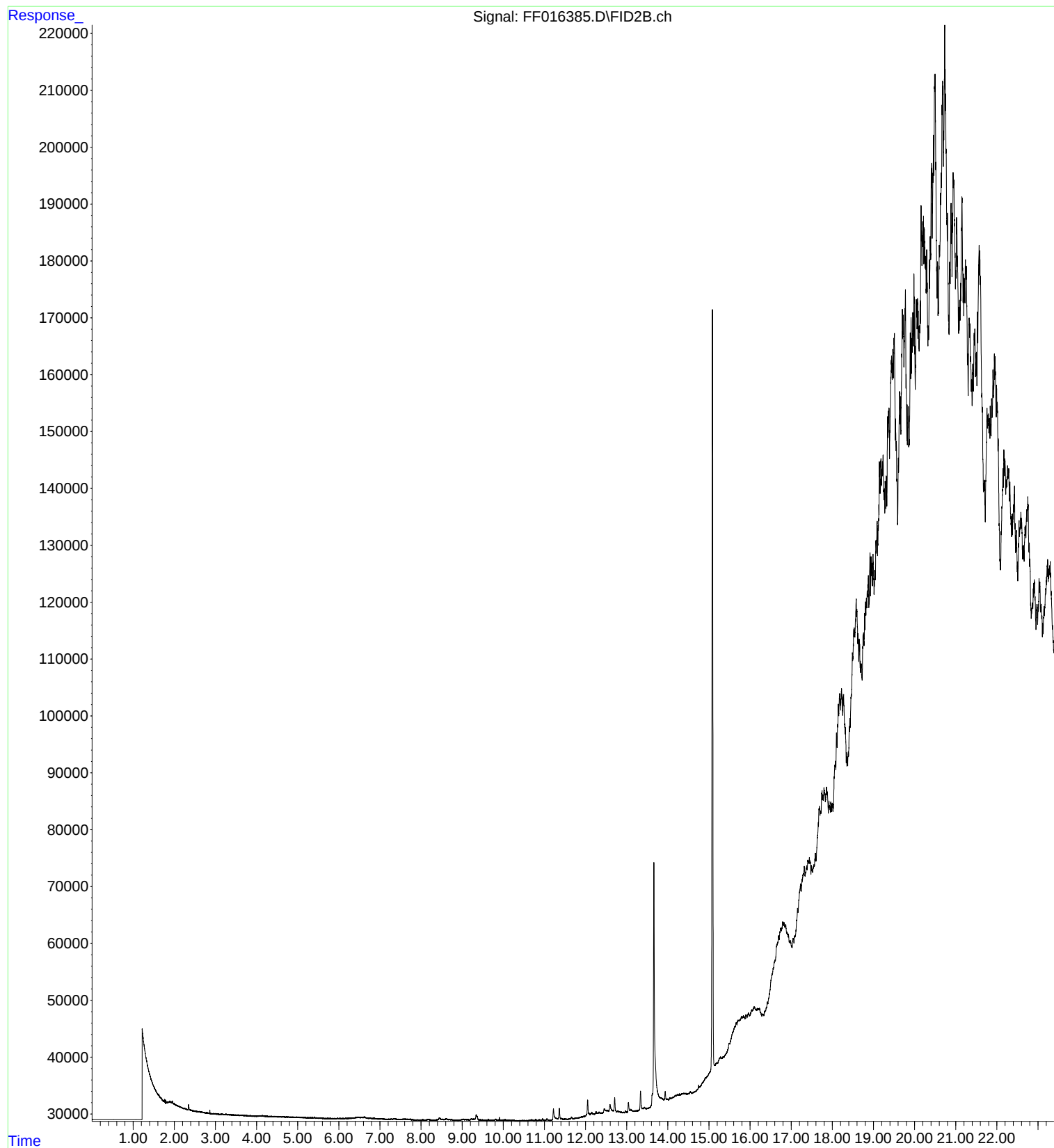
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Operator : YP\AJ
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Instrument : FID_F-G
Sample Name: HYDRAULIC OIL STD
Misc Info :
Vial Number: 83



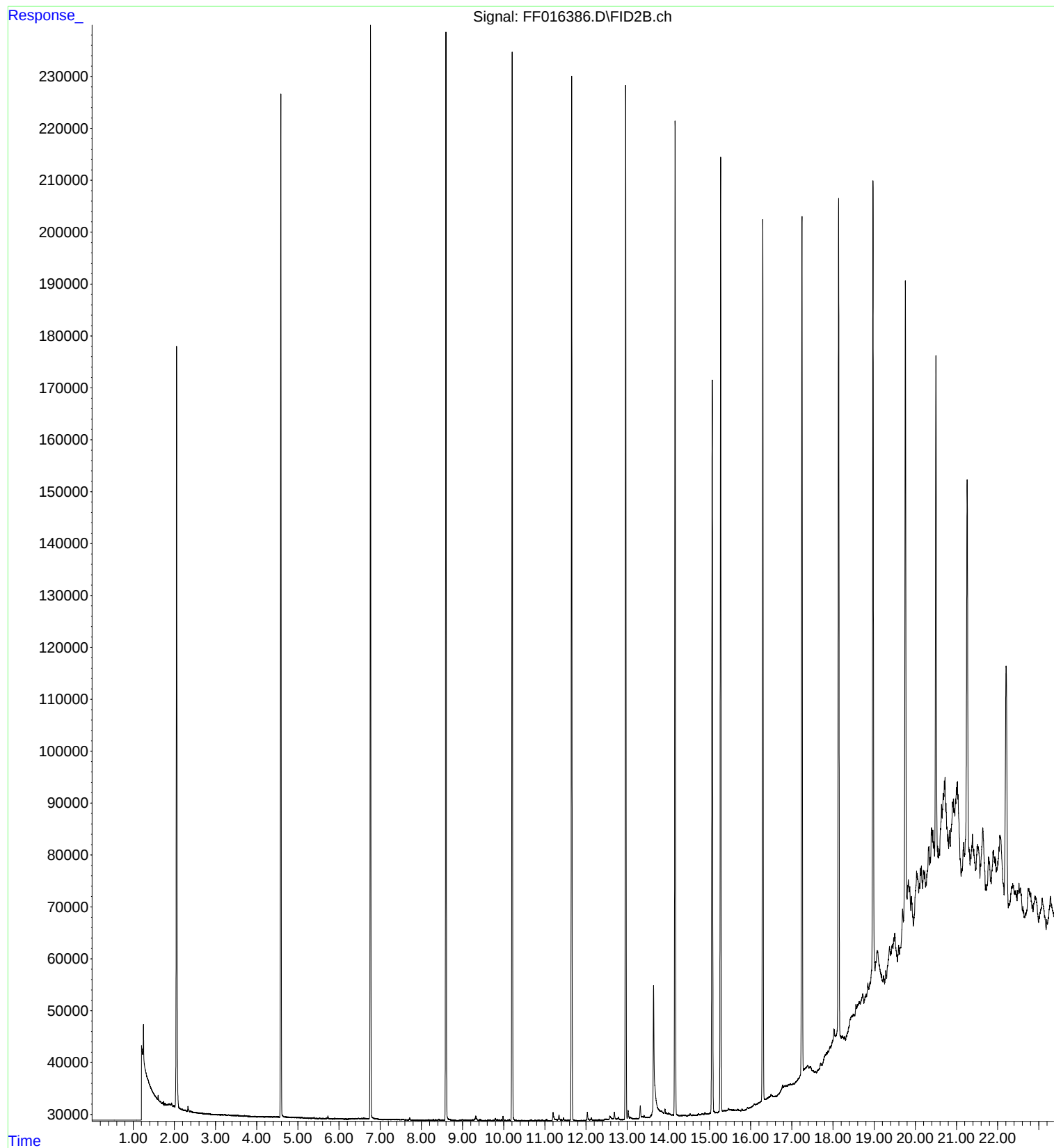


QC SAMPLE DATA

File :Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF091725\FF016385.D
Operator : YP\AJ
Acquired : 17 Sep 2025 17:18 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: PB169720BL
Misc Info :
Vial Number: 84



File : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF091725\FF016386.D
Operator : YP\AJ
Acquired : 17 Sep 2025 17:48 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: PB169720BS
Misc Info :
Vial Number: 85





SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP:
ATTENTION: MARCE ENCINAS
PHONE: 7325904679 FAX:

PROJECT NAME: CON ED FOR2 FDR
PROJECT NO.: LOCATION: NEW YRK, NY
PROJECT MANAGER: MARCE ENCINAS
e-mail: encinasma@cdmsmith.com
PHONE: 7325904679 FAX:

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP:
ATTENTION: MARCE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 24 HOURS DAYS*
HARDCOPY (DATA PACKAGE): 24 HOURS DAYS*
EDD: 24 HOURS DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1	2	3	4	5	6	7	8	9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	TP-2	S	X		9/16/25	1045	2	X										
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 9/16/25/515	RECEIVED BY: [Signature] 9:16-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 9:16-25	RECEIVED BY:	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3123	CAMP02	Order Date : 9/16/2025 3:31:49 PM	Project Mgr : Deepak
Client Name : CDM Smith		Project Name : Con Edison FOPL2	Report Type : NYS ASP A
Client Contact : Marcie Ann Encinas		Receive DateTime : 9/16/2025 4:04:00 PM	EDD Type : EQUIS
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff : 9/17/2025 8:31:48 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3123-01	TP-2	Solid	09/16/2025	10:45	Gasoline Range Organics		8015D		1 Bus. Day

Relinquished By :

Date / Time :

9/22/25 10:32

Received By :

Date / Time :

09/22/25

10:28

Storage Area : VOA Refridgerator Room