



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 (SURRE)	7.698	7.698	4918331	43.73		ug/ml
2-Fluorobiphenyl (SURRE)	8.561	8.561	3250354	40.49		ug/ml
ortho-Terphenyl (SURRE)	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 (SURR)	7.698	7.698	5202975	46.26		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3201079	39.88		ug/ml
ortho-Terphenyl (SURR)	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	7.35		0.16	1.10	mg/kg
	Aliphatic C12-C16	7.72		0.12	0.74	mg/kg
	Aliphatic C16-C21	12.1		0.14	1.10	mg/kg
	Aliphatic C21-C28	15.0		0.59	1.47	mg/kg
	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
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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
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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:	YP\AJ
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
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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:	YPAJ
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

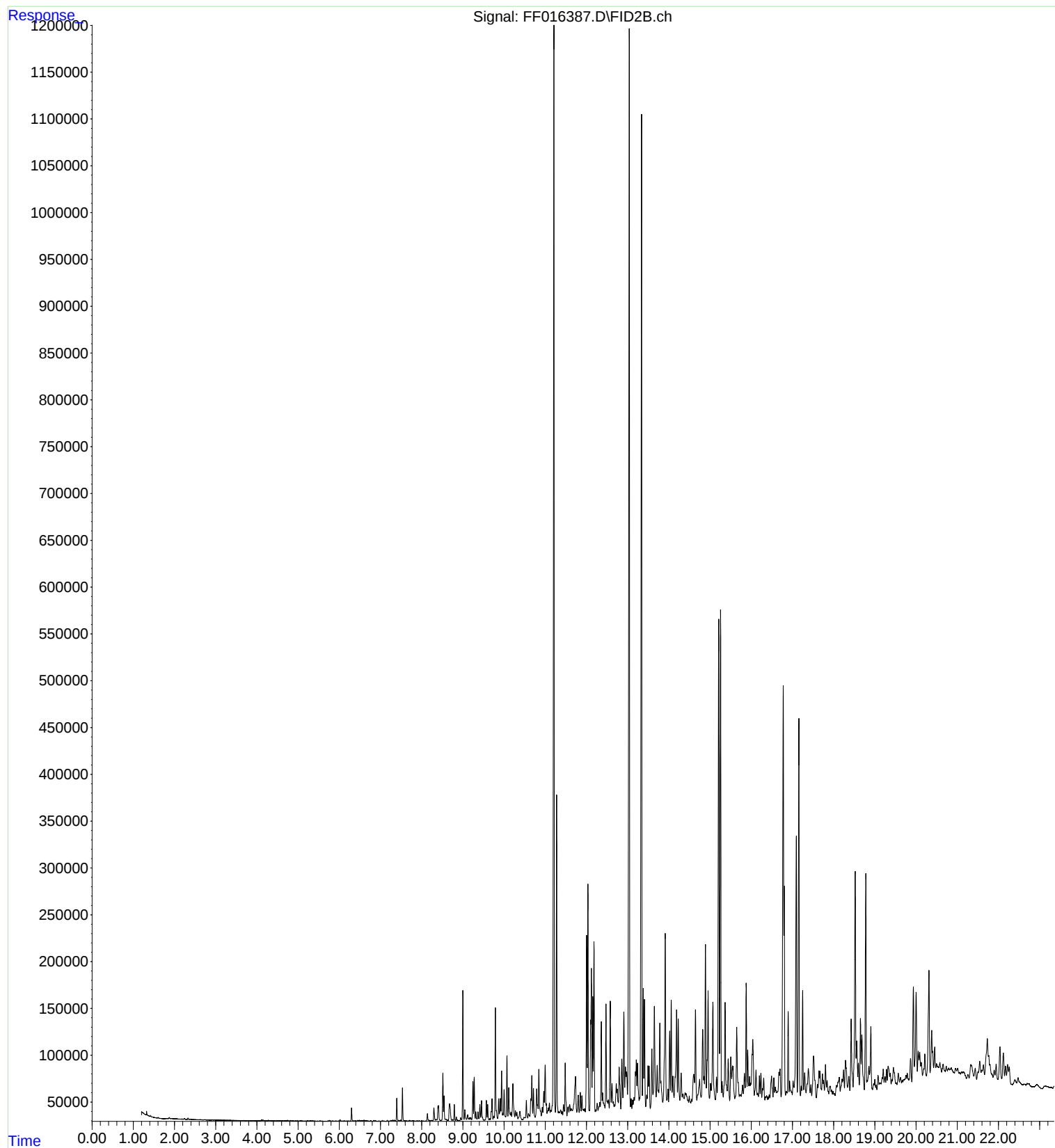
CLIENT ID	FILE ID	LAB ID	FUEL TYPE
TP-2	FF016387.D	Q3123-01	E

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

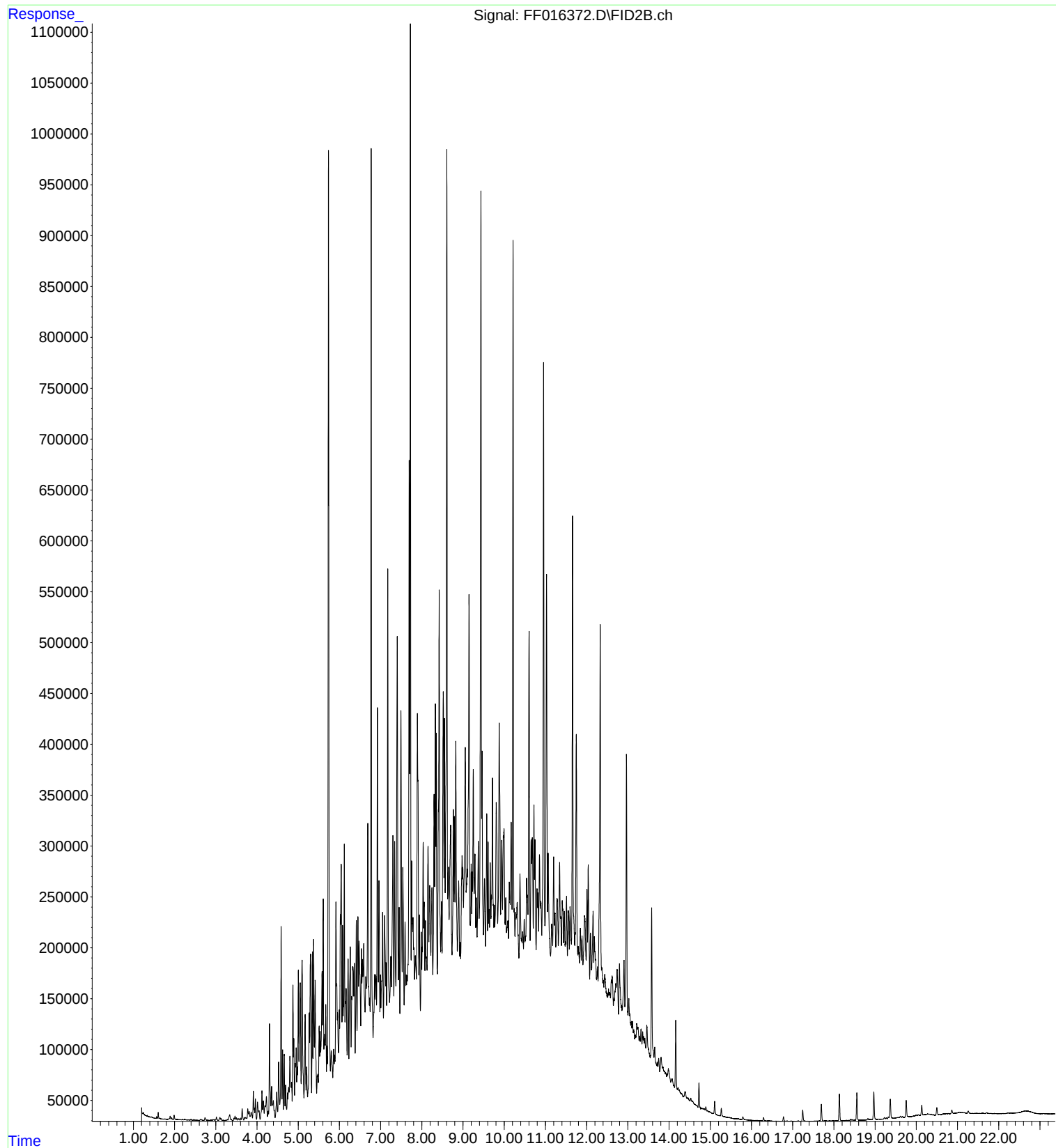
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Instrument : FID_F-G
Sample Name: Q3123-01
Misc Info :
Vial Number: 86



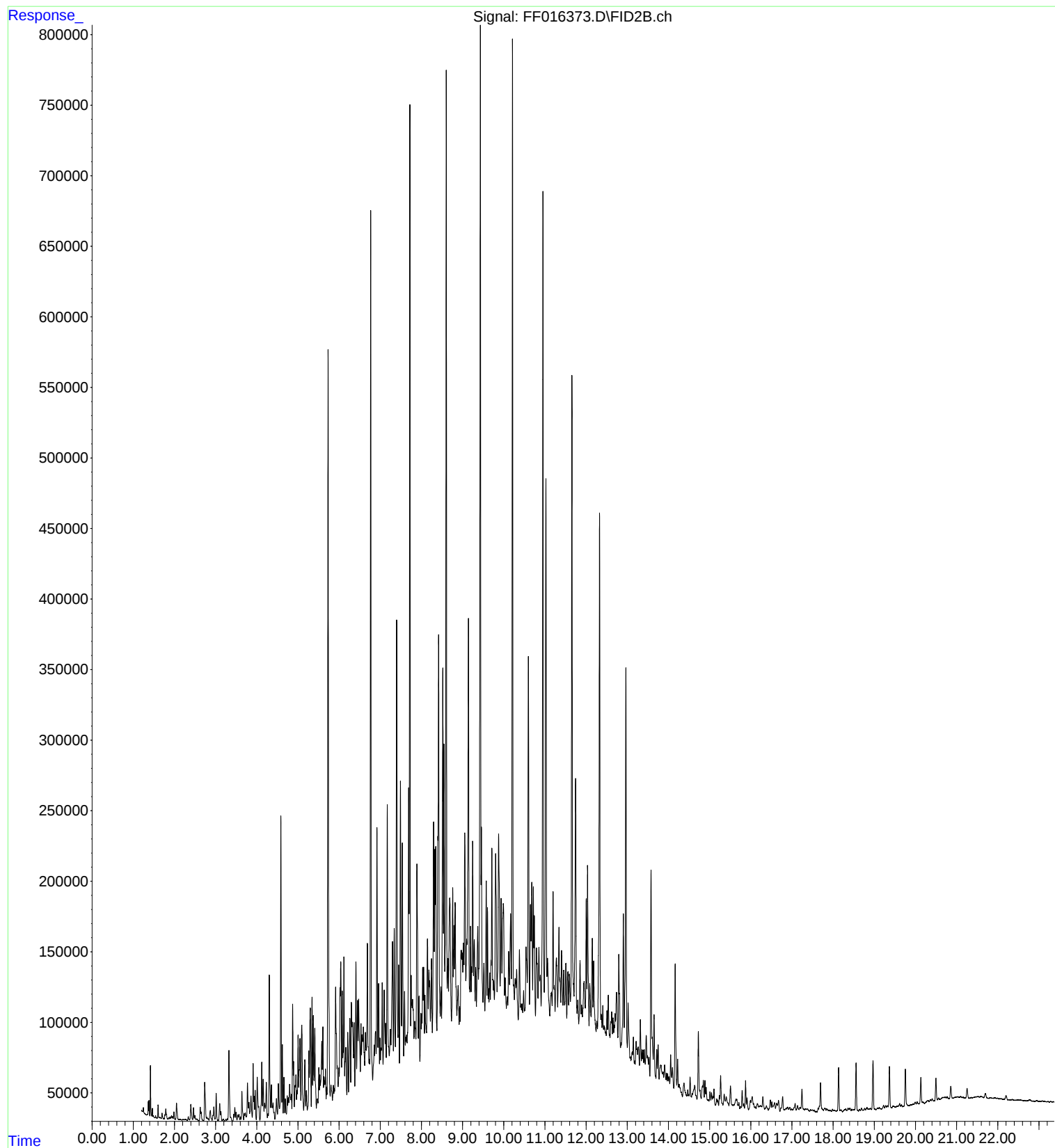


CALIBRATION SUMMARY

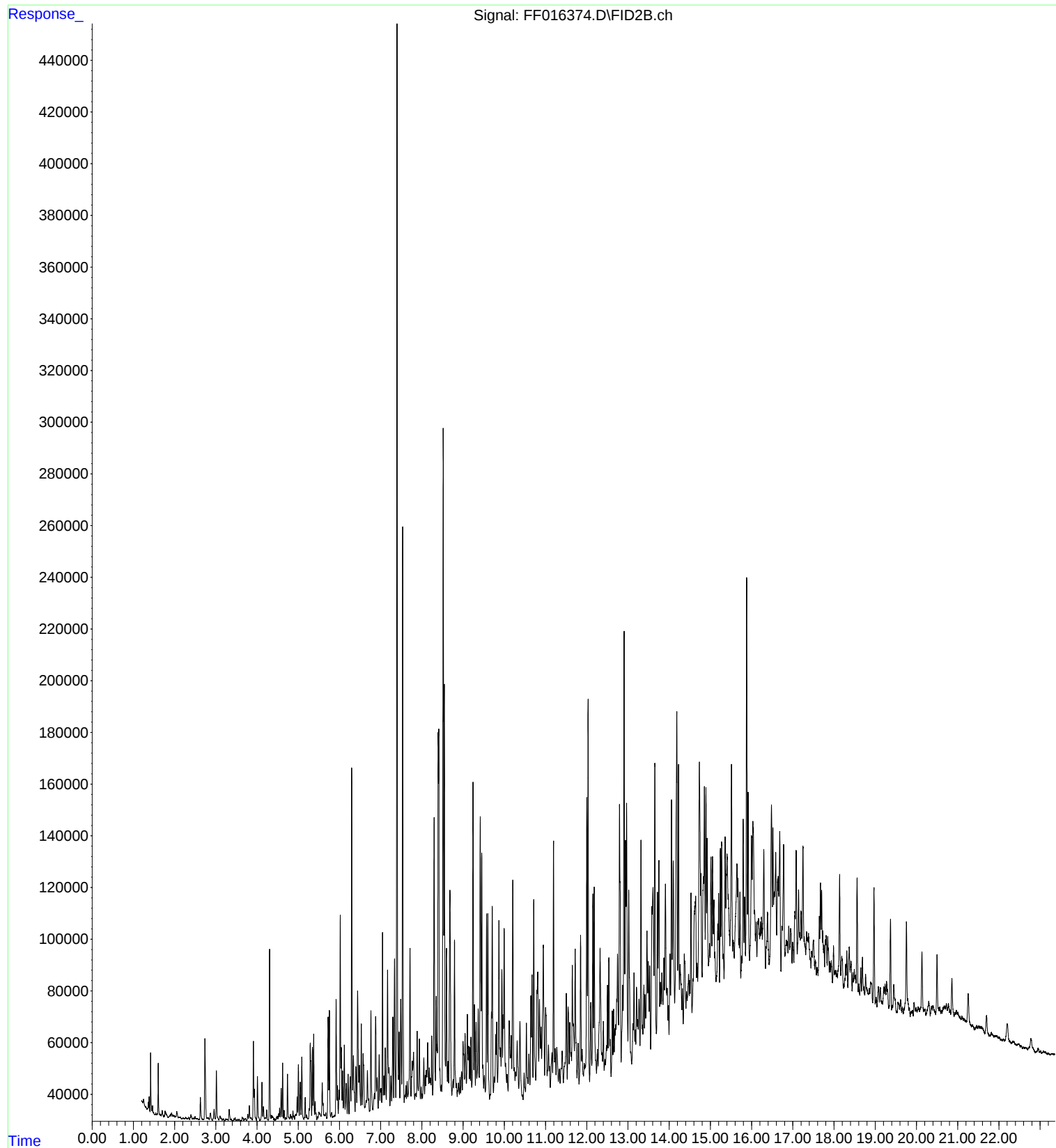
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Instrument : FID_F-G
Sample Name: DIESEL FUEL#2
Misc Info :
Vial Number: 71



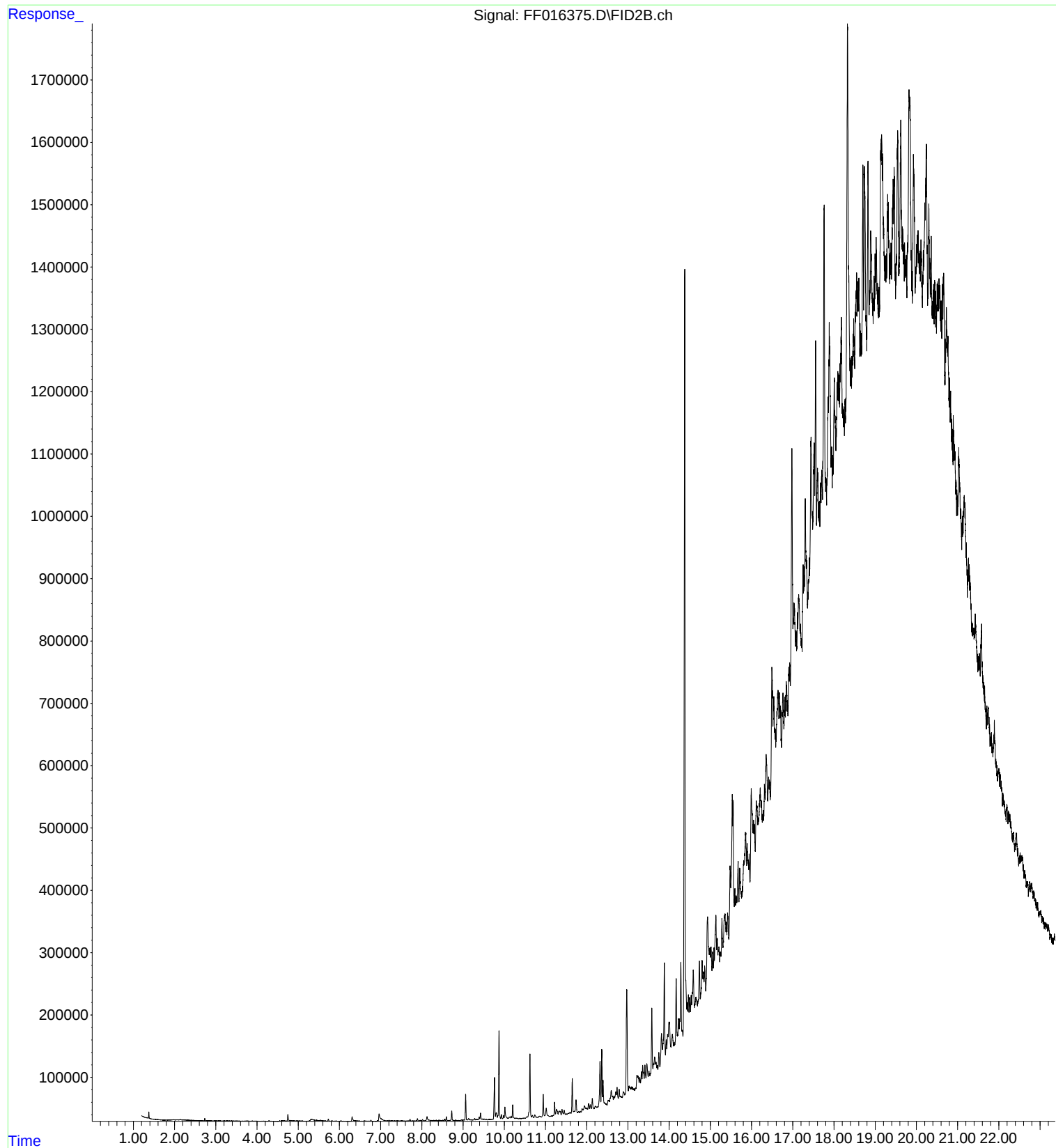
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Instrument : FID_F-G
Sample Name: #4 FUEL OIL STD
Misc Info :
Vial Number: 72



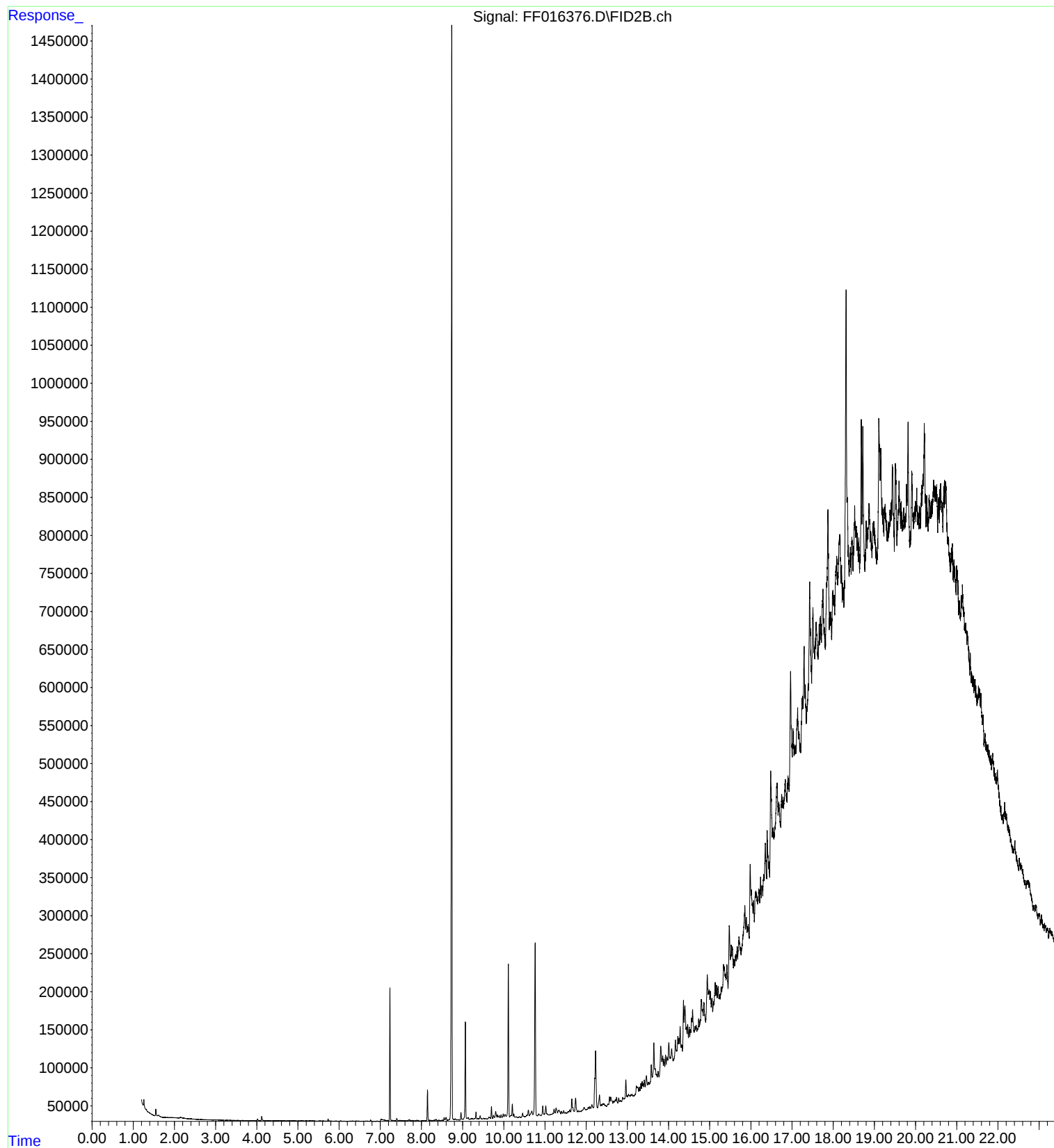
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Instrument : FID_F-G
Sample Name: #6 FUEL OIL STD
Misc Info :
Vial Number: 73



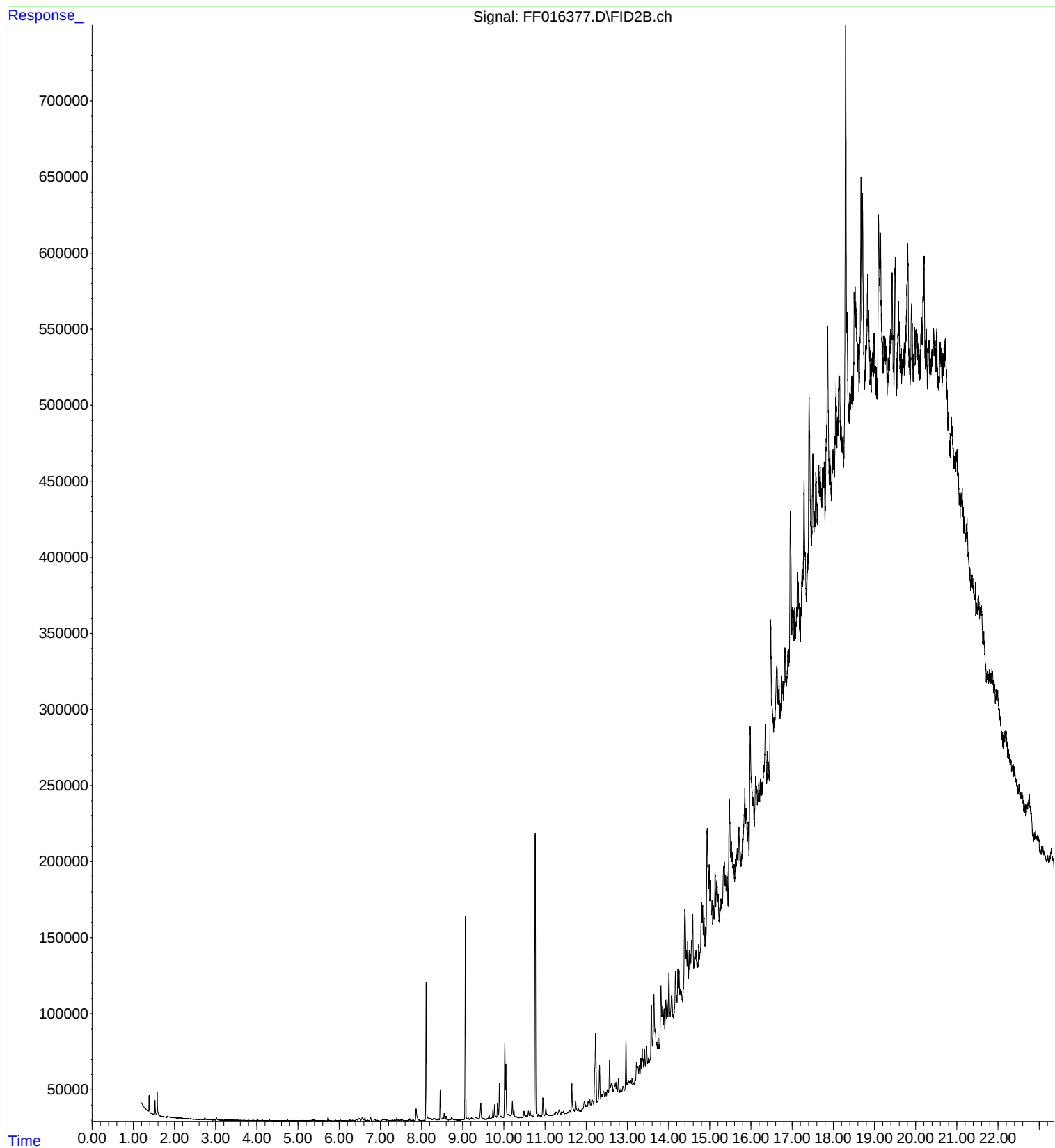
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Instrument : FID_F-G
Sample Name: MOTOR OIL 30
Misc Info :
Vial Number: 74



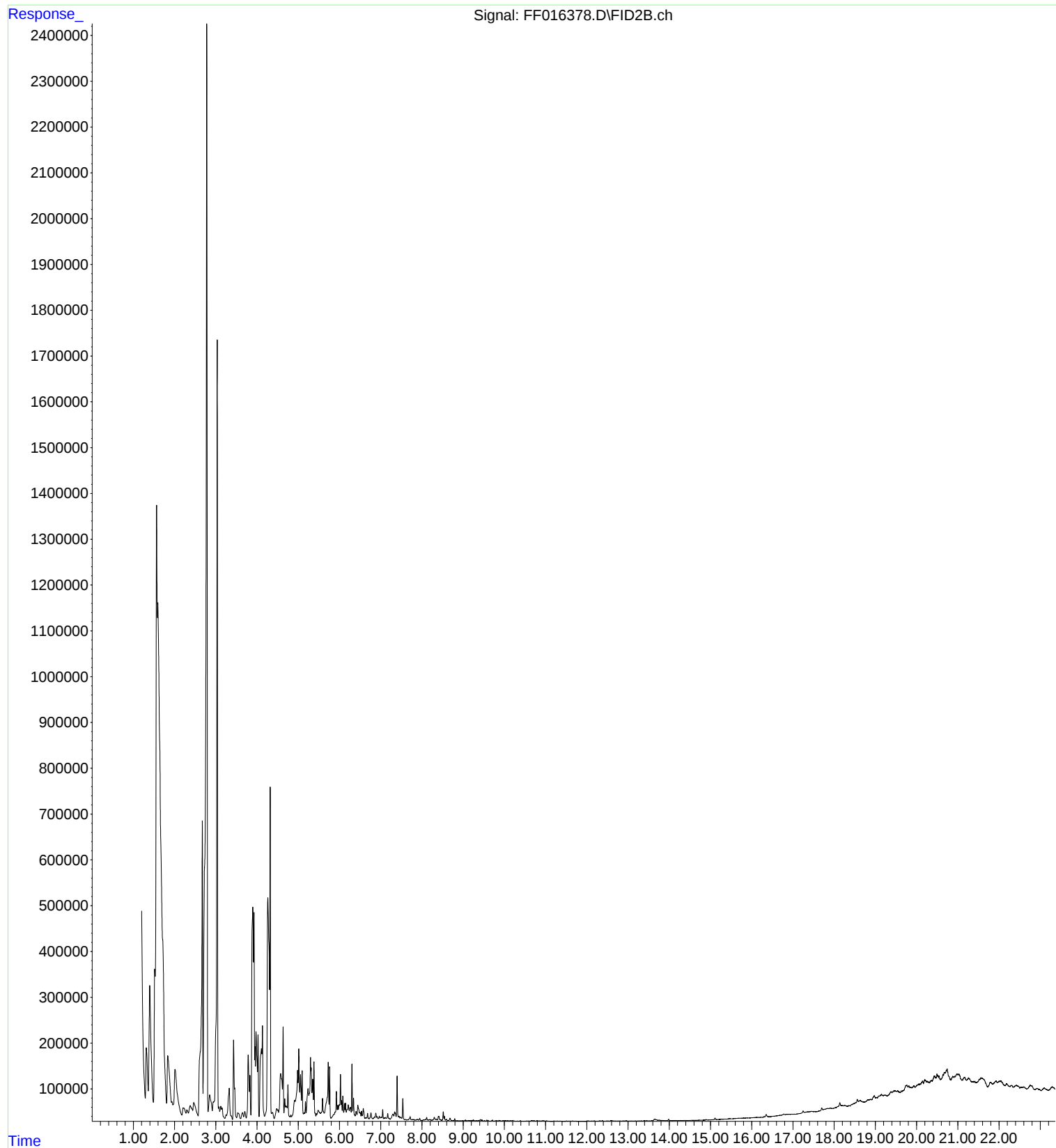
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Instrument : FID_F-G
Sample Name: MOTOR OIL 40
Misc Info :
Vial Number: 75



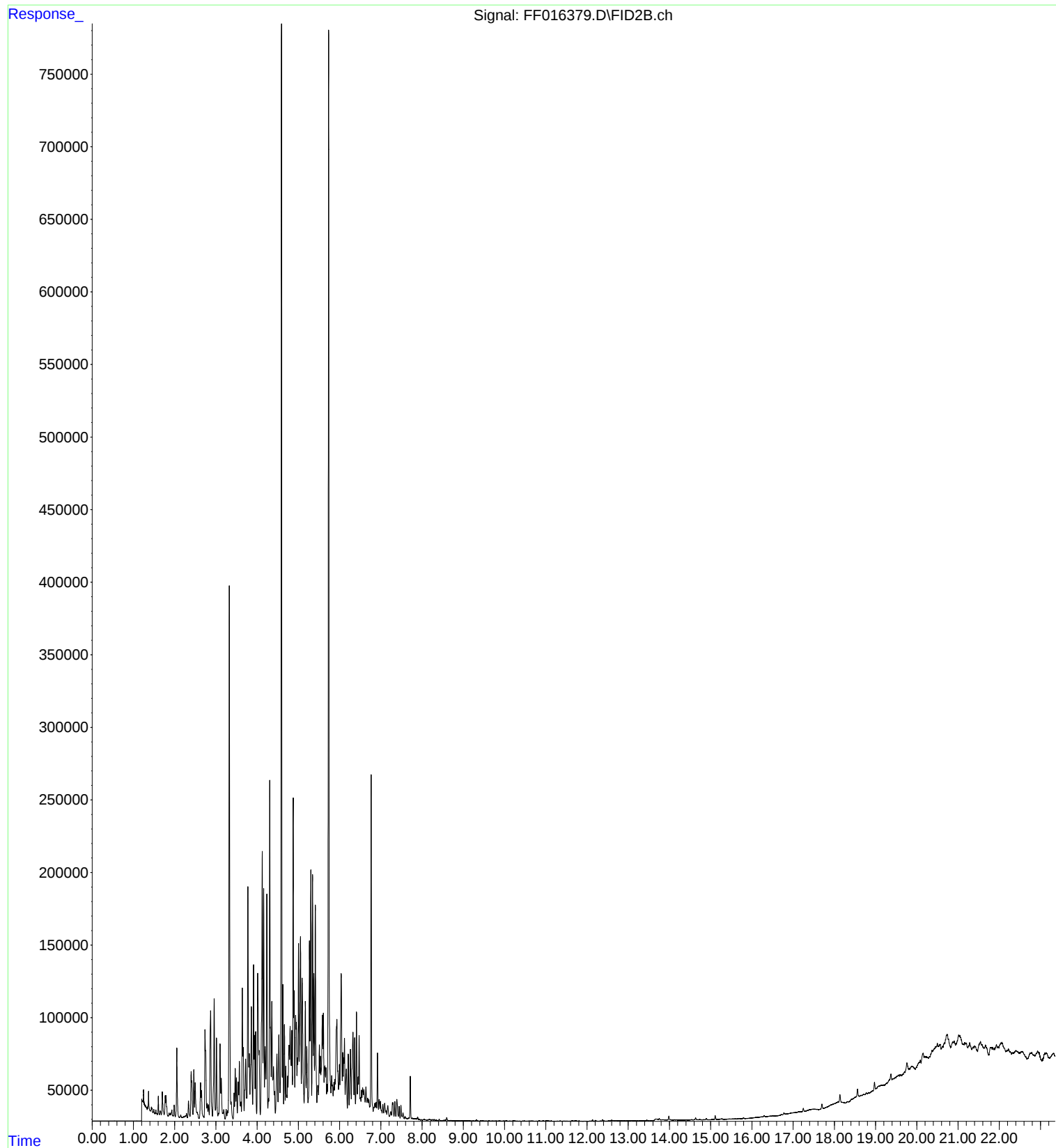
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Instrument : FID_F-G
Sample Name: MOTOR OIL 50
Misc Info :
Vial Number: 76



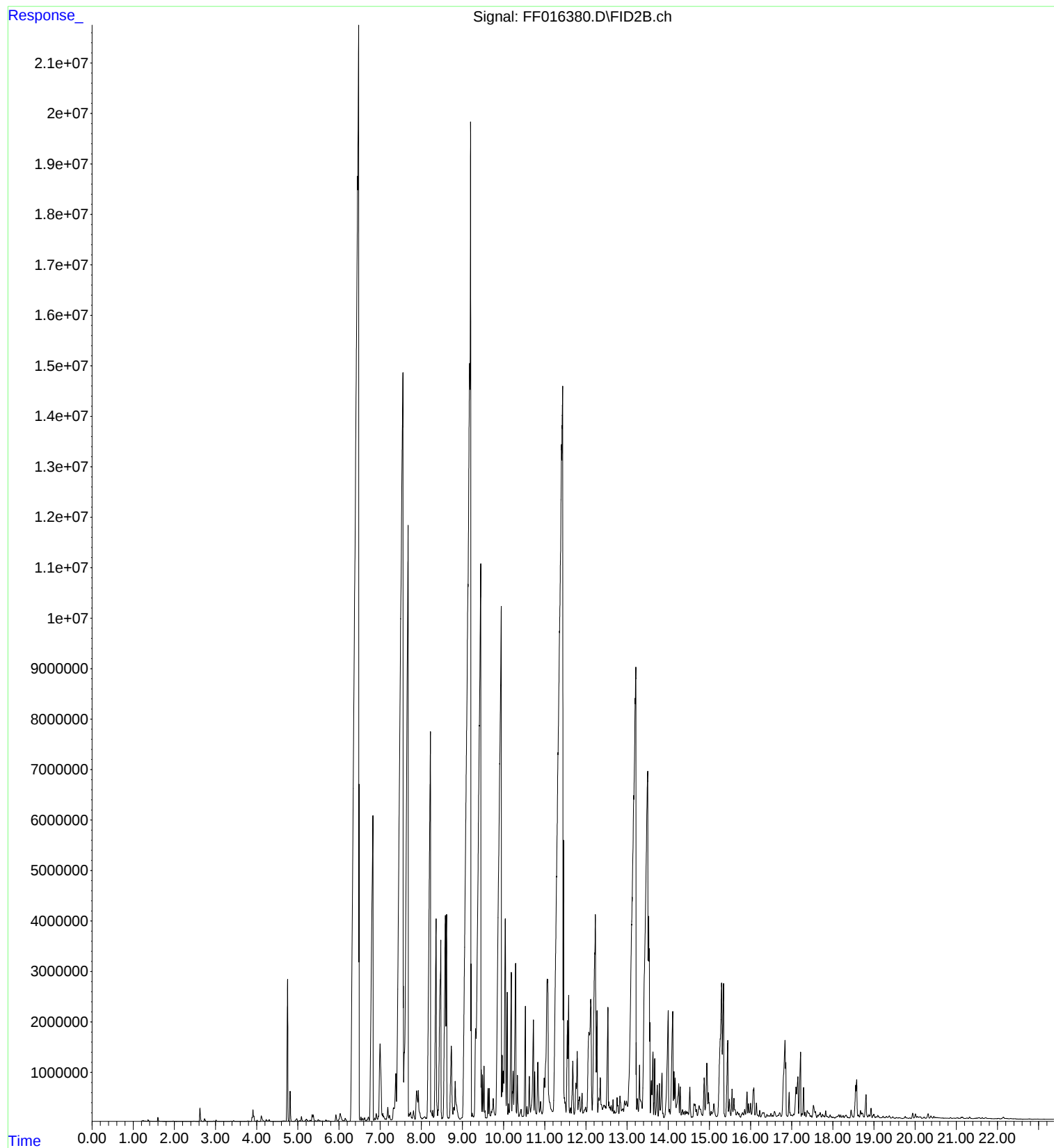
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Operator : YP\AJ
Acquired : 17 Sep 2025 12:48 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: UNLEADED GASOLINE
Misc Info :
Vial Number: 77



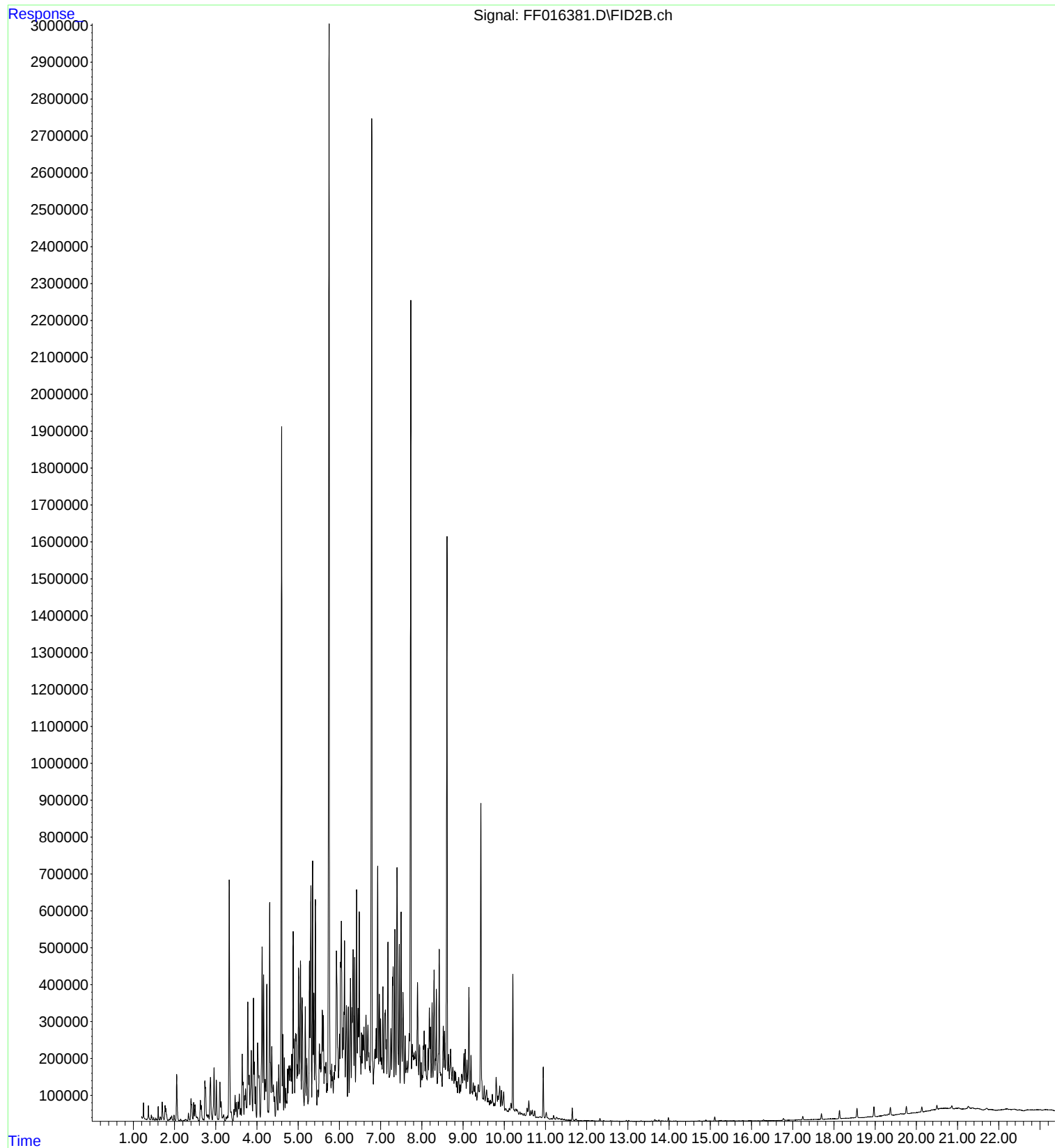
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Instrument : FID_F-G
Sample Name: PAINT THINNER
Misc Info :
Vial Number: 78



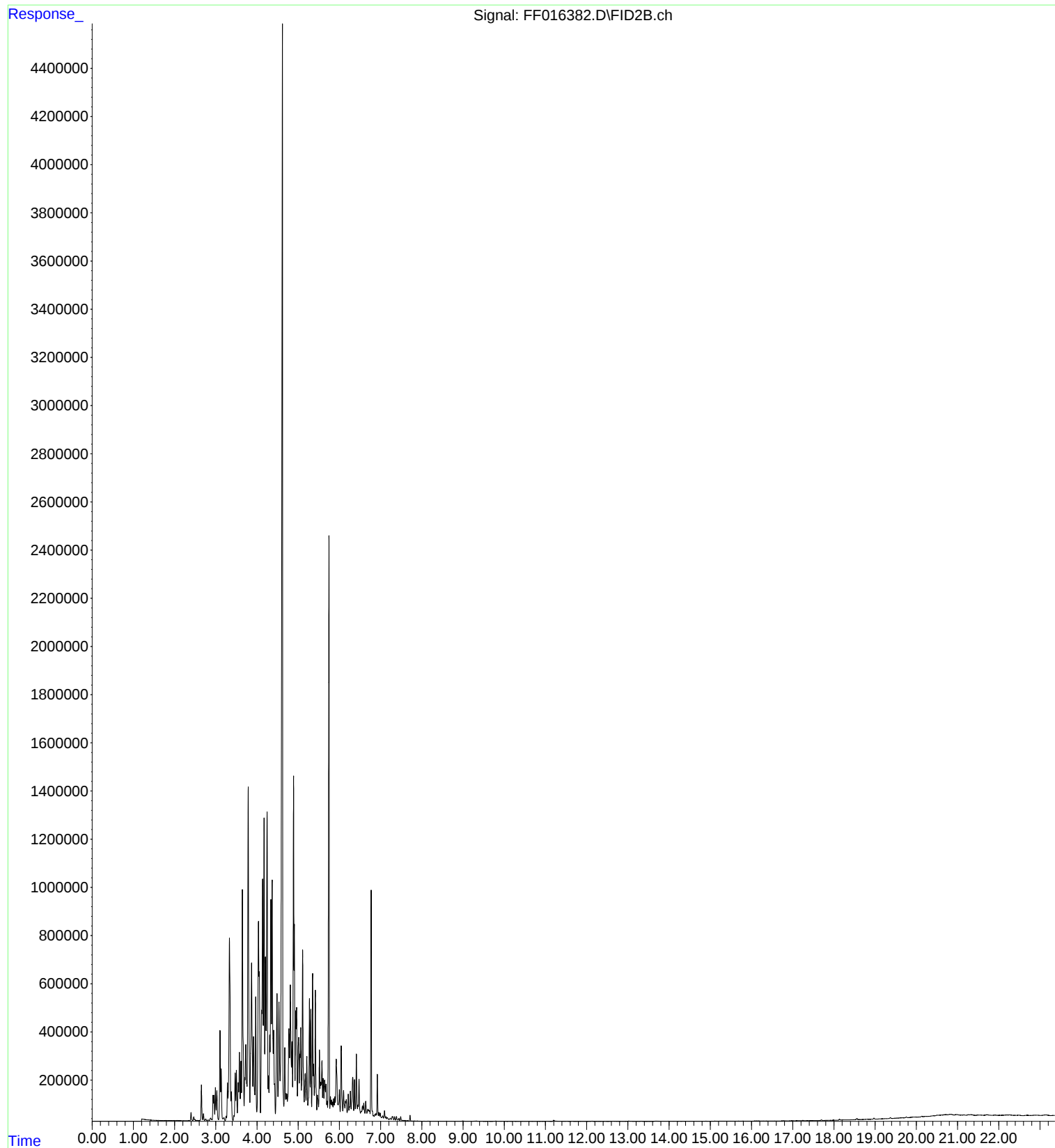
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Instrument : FID_F-G
Sample Name: COALTAR
Misc Info :
Vial Number: 79



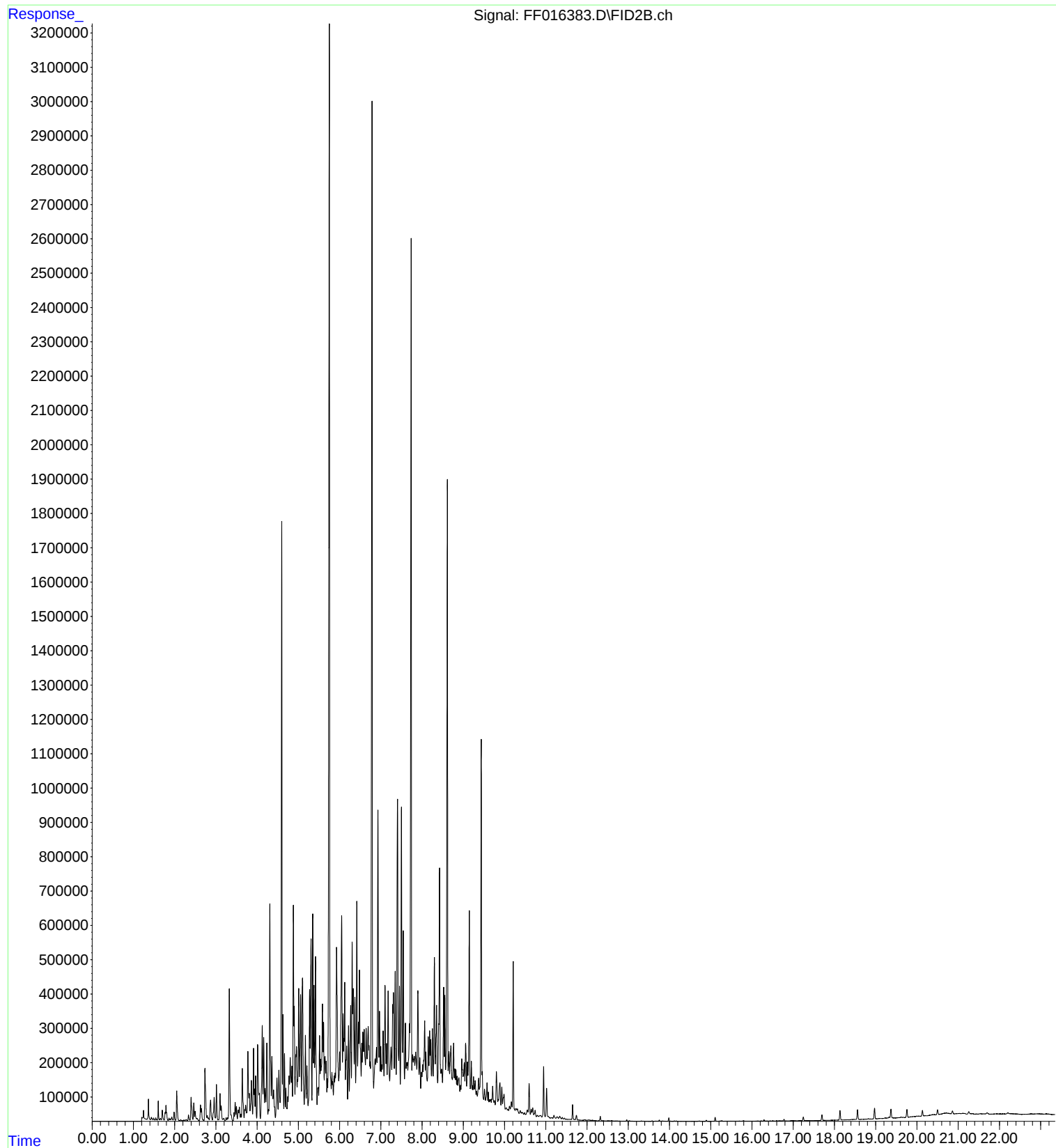
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Operator : YP\AJ
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Instrument : FID_F-G
Sample Name: JE FUEL A STD
Misc Info :
Vial Number: 80



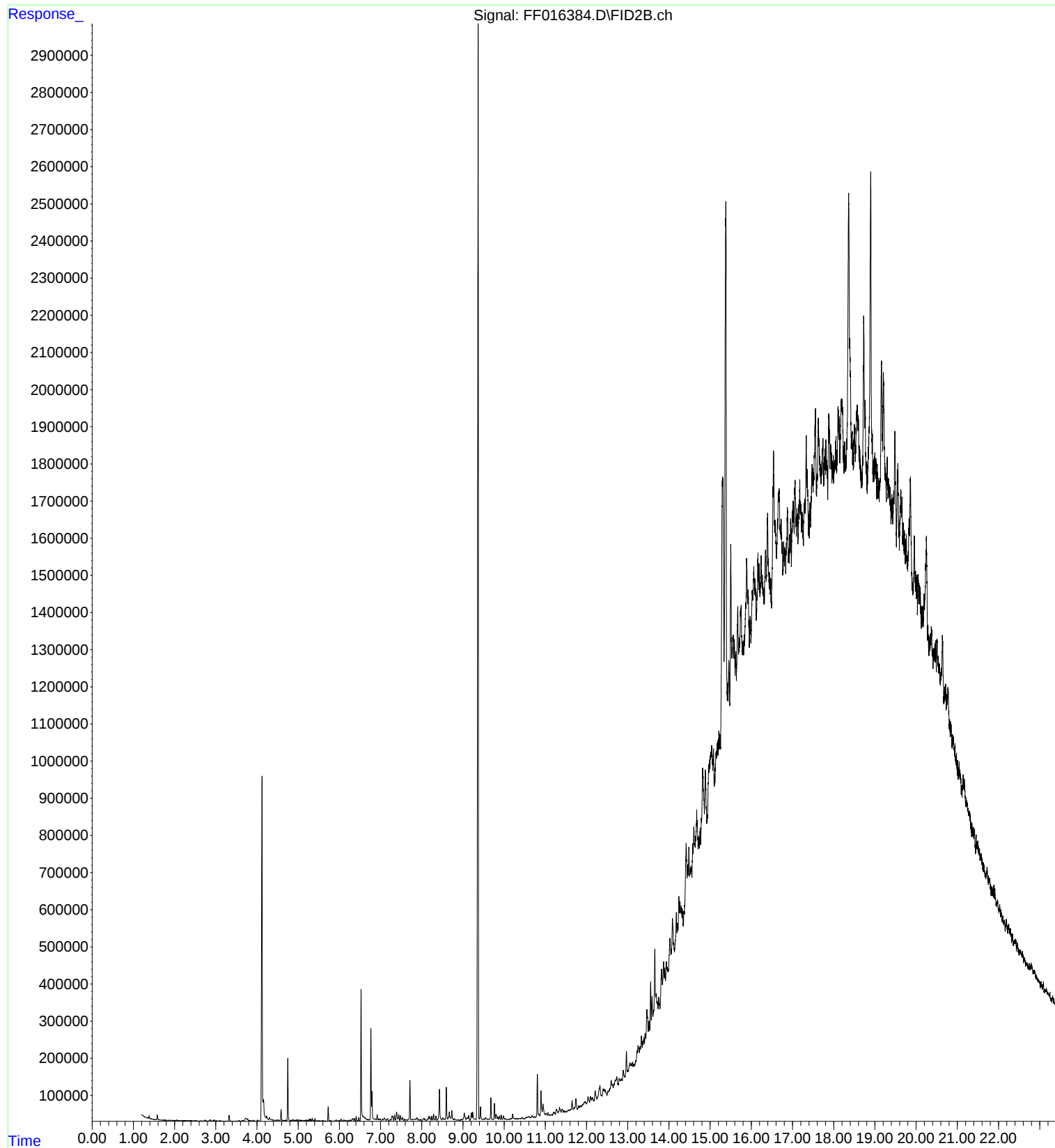
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Instrument : FID_F-G
Sample Name: MINERAL SPIRIT STD
Misc Info :
Vial Number: 81



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Instrument : FID_F-G
Sample Name: KEROSENE STD
Misc Info :
Vial Number: 82



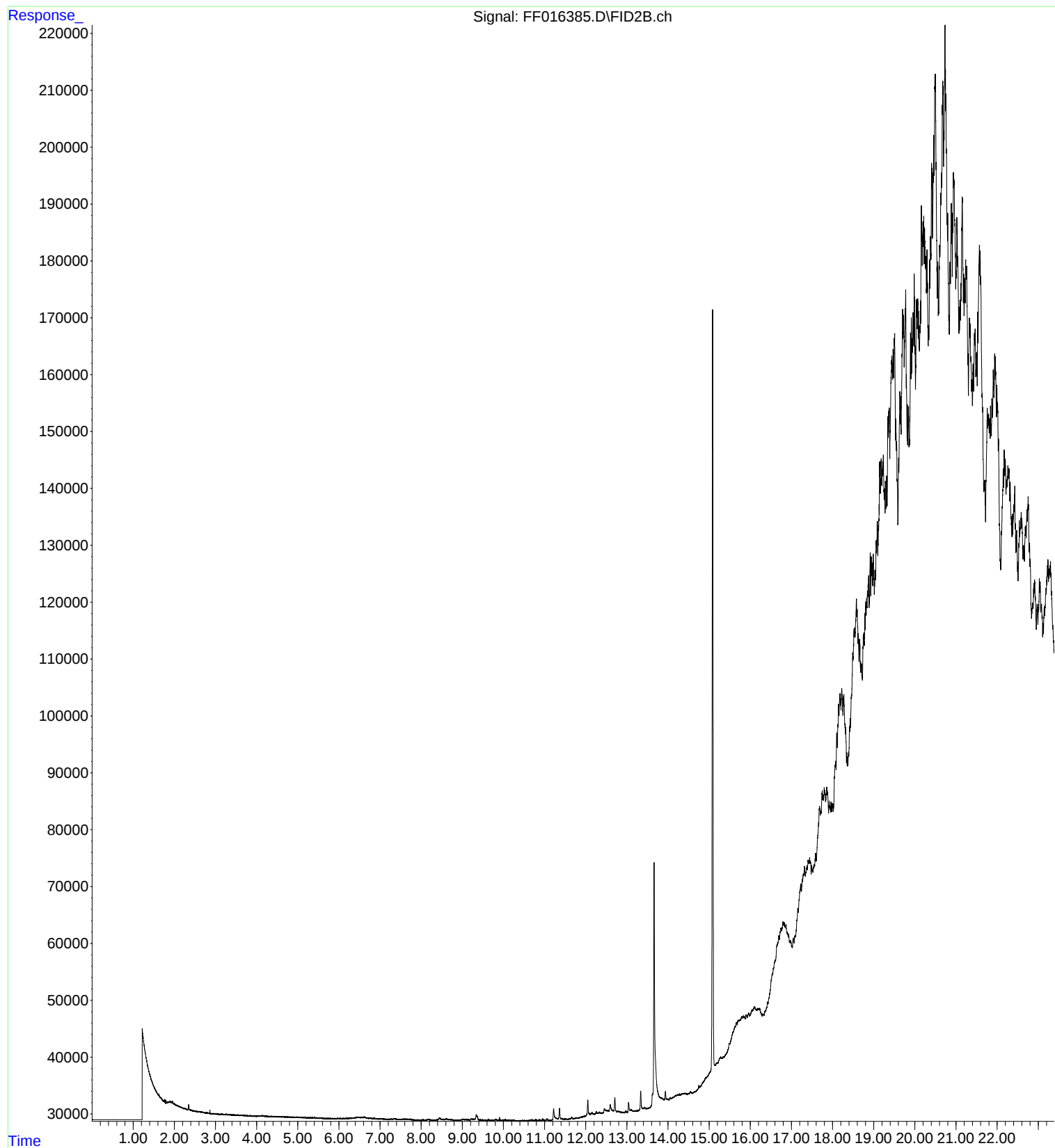
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Acquired : 17 Sep 2025 16:48 using AcqMethod 8015.M
Instrument : FID_F-G
Sample Name: HYDRAULIC OIL STD
Misc Info :
Vial Number: 83





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



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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

