

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

LAB CHRONICLE

OrderID:	Q3257	OrderDate:	9/30/2025 2:40:01 PM
Client:	CDM Smith	Project:	MWCO CJO WTP Edison 295110
Contact:	Marcie Ann Encinas	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3257-01	ENV1-6FT	SOIL			09/30/25			09/30/25
			PCB	8082A		10/01/25	10/01/25	
			Pesticide-TCL	8081B		10/01/25	10/01/25	
			EPH	NJEPH		10/02/25	10/02/25	
Q3257-02	ENV2-6FT	SOIL			09/29/25			09/30/25
			PCB	8082A		10/01/25	10/01/25	
			Pesticide-TCL	8081B		10/01/25	10/01/25	
			EPH	NJEPH		10/02/25	10/02/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: CAMP02
Lab Code: ACE SDG No.: Q3257
Run Number: FD100225AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB169950BL	88	90	99	0
PB169950BS	76	76	86	0
PB169950BSD	75	75	84	0
RCAMS	83	84	52	0
RCAMSD	82	83	52	0
ENV1-6FT	82	82	47	0
ENV2-6FT	95	95	42	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.: Q3257
Run Number: FE100225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB169950BL	67			0
PB169950BS	87			0
PB169950BSD	87			0
RCAMS	60			0
RCAMSD	62			0
ENV1-6FT	67			0
ENV2-6FT	77			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

SOIL EPH SURROGATE RECOVERY

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>Q3257</u>
Sample No :	<u>Q3238-01MS</u>	Datafile:	<u>FD049804.D</u>
		Client ID :	<u>RCAMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	0.18	4.17	60		(40-140)
Aromatic C12-C16	10	0.30	8.63	84		(40-140)
Aromatic C16-C21	16.6	1.62	15.0	80		(40-140)
Aromatic C21-C36	26.6	0	22.7	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>Q3257</u>
Sample No :	<u>Q3238-01MSD</u>	Datafile:	<u>FD049805.D</u>
		Client ID :	<u>RCAMSD</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	6.7	0.18	4.16	60		0.17 (40-140) 50
Aromatic C12-C16	10	0.30	8.60	83		0.48 (40-140) 50
Aromatic C16-C21	16.6	1.62	14.9	80		0.75 (40-140) 50
Aromatic C21-C36	26.6	0	23.0	86		1.28 (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>Q3257</u>
Sample No :	<u>Q3238-01MS</u>	Datafile:	<u>FE056153.D</u>
		Client ID :	<u>RCAMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	0.30	4.92	46		(40-140)
Aliphatic C12-C16	6.7	0.45	4.79	65		(40-140)
Aliphatic C16-C21	10	0.32	7.64	73		(40-140)
Aliphatic C21-C28	13.3	0	9.89	74		(40-140)
Aliphatic C28-C40	20.0	6.67	20.8	71		(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>Q3257</u>
Sample No :	<u>Q3238-01MSD</u>	Datafile:	<u>FE056154.D</u>
		Client ID :	<u>RCAMSD</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	10	0.30	4.73	44		4.19 (40-140) 50
Aliphatic C12-C16	6.7	0.45	4.61	62		4.38 (40-140) 50
Aliphatic C16-C21	10	0.32	9.31	90		20 (40-140) 50
Aliphatic C21-C28	13.3	0	9.97	75		0.8 (40-140) 50
Aliphatic C28-C40	20.0	6.67	21.3	73		3.47 (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>Q3257</u>
Sample No :	<u>PB169950BS</u>	Datafile:	<u>FD049799.D</u>
		Client ID :	<u>PB169950BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	4.37	66		(40-140)
Aromatic C12-C16	10	7.19	72		(40-140)
Aromatic C16-C21	16.7	14.7	88		(40-140)
Aromatic C21-C36	26.6	24.8	93		(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>Q3257</u>
Sample No :	<u>PB169950BSD</u>	Datafile:	<u>FD049800.D</u>
		Client ID :	<u>PB169950BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	6.7	4.33	65		0.896 (40-140)	25
Aromatic C12-C16	10	7.08	71		1.4 (40-140)	25
Aromatic C16-C21	16.7	14.5	87		1.4 (40-140)	25
Aromatic C21-C36	26.6	24.8	93		0.0075 (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>Q3257</u>
Sample No :	<u>PB169950BS</u>	Datafile:	<u>FE056148.D</u>
		Client ID :	<u>PB169950BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	5.10	51		(40-140)
Aliphatic C12-C16	6.7	4.79	72		(40-140)
Aliphatic C16-C21	10	8.05	81		(40-140)
Aliphatic C21-C28	13.3	10.6	80		(40-140)
Aliphatic C28-C40	20.0	17.9	90		(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>Q3257</u>
Sample No :	<u>PB169950BSD</u>	Datafile:	<u>FE056149.D</u>
		Client ID :	<u>PB169950BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	10	4.76	48		6.8 (40-140)	25
Aliphatic C12-C16	6.7	4.57	69		4.7 (40-140)	25
Aliphatic C16-C21	10	7.92	79		1.7 (40-140)	25
Aliphatic C21-C28	13.3	10.6	80		0.0257 (40-140)	25
Aliphatic C28-C40	20.0	17.7	89		1.1 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169950BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q3257

Instrument ID: FID_D

Lab Sample ID: PB169950BL

Matrix: (soil/water) Solid

Date Extracted: 10/2/2025 9:05:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169950BS	PB169950BS
PB169950BSD	PB169950BSD
RCAMS	Q3238-01MS
RCAMSD	Q3238-01MSD
ENV1-6FT	Q3257-01
ENV2-6FT	Q3257-02

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
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
10/02/25 09:05	10/02/25 19:05	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	1	0.17	1.19	mg/kg	FE056155.D
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	1	0.13	0.79	mg/kg	FE056155.D
Aliphatic C16-C21	Aliphatic C16-C21	0.43	J	1	0.15	1.19	mg/kg	FE056155.D
Aliphatic C21-C28	Aliphatic C21-C28	0.63	U	1	0.63	1.58	mg/kg	FE056155.D
Aliphatic C28-C40	Aliphatic C28-C40	7.26		1	1.40	2.37	mg/kg	FE056155.D
Aromatic C10-C12	Aromatic C10-C12	0.21	J	1	0.14	0.79	mg/kg	FD049806.D
Aromatic C12-C16	Aromatic C12-C16	4.95		1	0.27	1.19	mg/kg	FD049806.D
Aromatic C16-C21	Aromatic C16-C21	2.02		1	0.47	1.98	mg/kg	FD049806.D
Aromatic C21-C36	Aromatic C21-C36	2.44	J	1	1.41	3.16	mg/kg	FD049806.D
Total AliphaticEPH	Total AliphaticEPH	8.43			2.48	7.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.62			2.30	7.12	mg/kg	
Total EPH	Total EPH	18.1			4.78	14.2	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:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
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
FD049806.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.21	J	0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.95		0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.02		0.47	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.44	J	1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.1		40 - 140	82%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.6		40 - 140	47%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3257-01	Acq On:	02 Oct 2025 21:02
Client Sample ID:	ENV1-6FT	Operator:	YP/AJ
Data file:	FD049806.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	332322	2.706	200	ug/ml
Aromatic C12-C16	6.132	8.759	8971012	62.577	300	ug/ml
Aromatic C16-C21	8.760	13.049	3634581	25.565	500	ug/ml
Aromatic C21-C36	13.050	18.468	3827937	30.915	800	ug/ml
Aromatic EPH	4.389	18.468	16765852	121.763		ug/ml
ortho-Terphenyl (SURR)	11.607	11.607	3519801	23.58		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4886521	41.13		ug/ml
2-Fluorobiphenyl (SURR)	8.561	8.561	3479993	40.99		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049806.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 21:02
 Operator : YP/AJ
 Sample : Q3257-01
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 ENV1-6FT

Integration File: autoint1.e
 Quant Time: Oct 03 06:19:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.697	4886521	41.127 ug/ml
Spiked Amount 50.000		Recovery =	82.25%
6) S 2-Fluorobiphenyl (SURR)	8.561	3479993	40.989 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	81.98%
11) S ortho-Terphenyl (SURR)	11.607	3519801	23.578 ug/ml
Spiked Amount 50.000		Recovery =	47.16%

Target Compounds

(f)=RT Delta > 1/2 Window

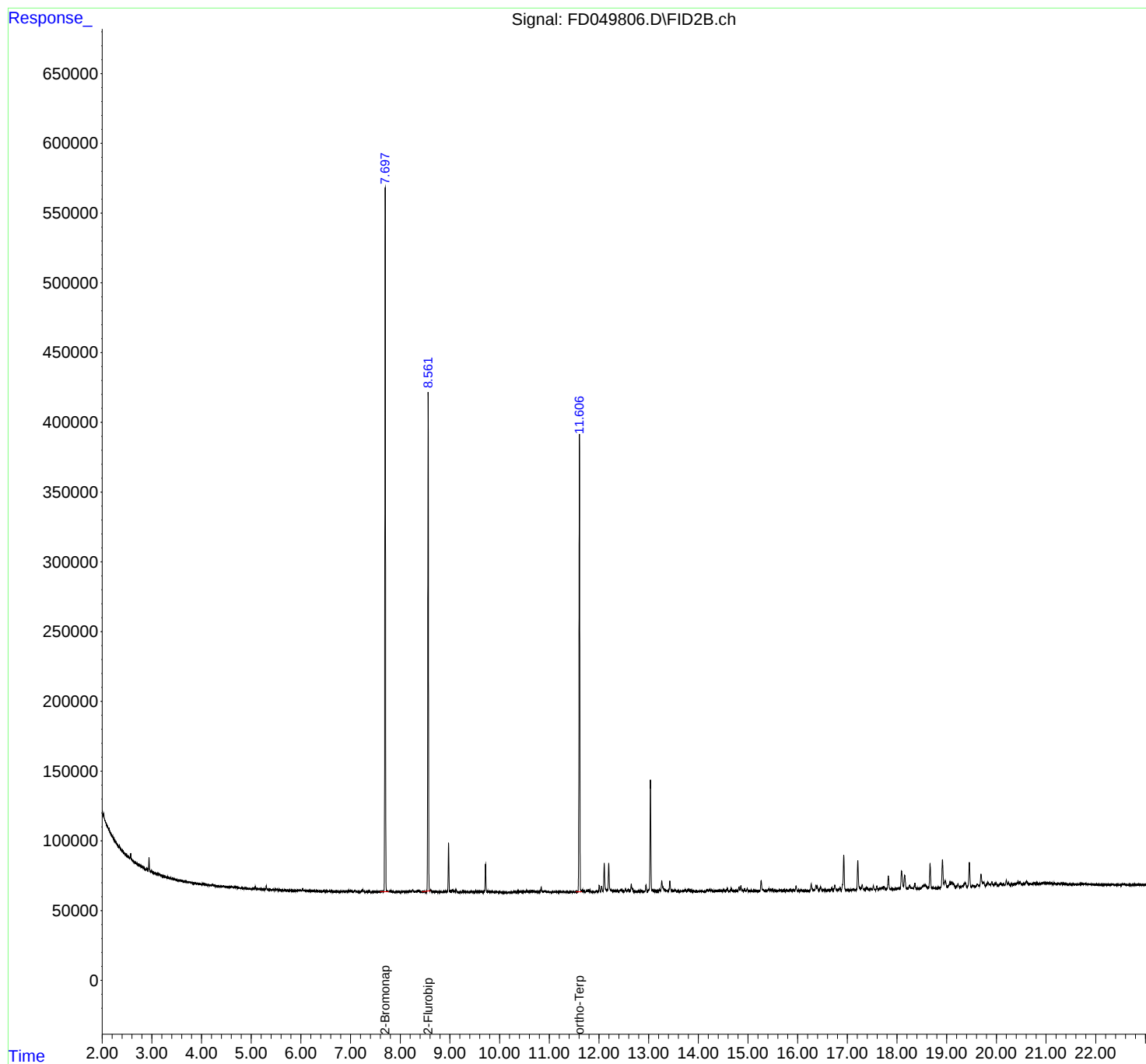
(m)=manual int.

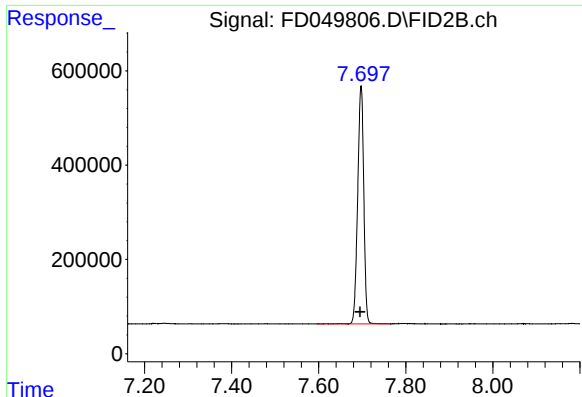
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049806.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 21:02
Operator : YP/AJ
Sample : Q3257-01
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV1-6FT

Integration File: autoint1.e
Quant Time: Oct 03 06:19:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

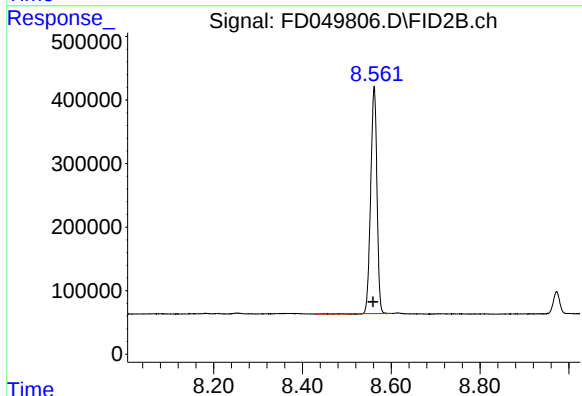




#4 2-Bromonaphthalene (SURR)

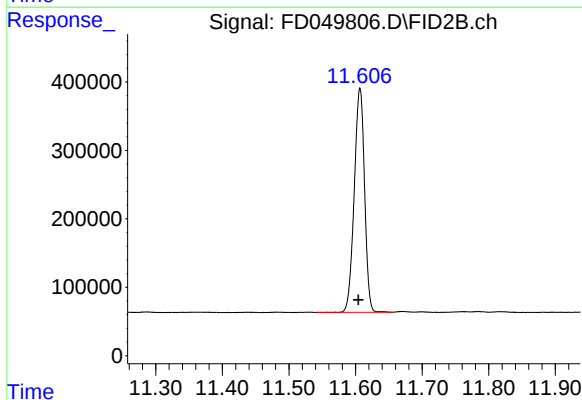
R.T.: 7.697 min
Delta R.T.: 0.002 min
Response: 4886521
Conc: 41.13 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV1-6FT



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.561 min
Delta R.T.: 0.003 min
Response: 3479993
Conc: 40.99 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.607 min
Delta R.T.: 0.002 min
Response: 3519801
Conc: 23.58 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049806.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 21:02
 Sample : Q3257-01
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.310	4.305	4.335	PV	137	1217	0.02%	0.006%
2	4.345	4.335	4.367	PV	219	2133	0.04%	0.010%
3	4.372	4.367	4.381	VV	273	1267	0.03%	0.006%
4	4.388	4.381	4.427	VV	239	4310	0.09%	0.021%
5	4.447	4.427	4.470	VV	870	9985	0.20%	0.049%
6	4.487	4.478	4.519	VV	483	7047	0.14%	0.035%
7	4.526	4.519	4.541	VV	469	4509	0.09%	0.022%
8	4.547	4.541	4.574	VV	376	5210	0.11%	0.026%
9	4.613	4.574	4.641	PV	839	18288	0.37%	0.090%
10	4.645	4.641	4.649	VV	325	1544	0.03%	0.008%
11	4.653	4.649	4.660	VV	443	2116	0.04%	0.010%
12	4.670	4.660	4.684	VV	641	6616	0.14%	0.033%
13	4.702	4.684	4.718	VV	1330	12800	0.26%	0.063%
14	4.728	4.718	4.735	PV	302	1745	0.04%	0.009%
15	4.752	4.735	4.776	VV	446	5705	0.12%	0.028%
16	4.790	4.776	4.821	VV	359	6410	0.13%	0.032%
17	4.824	4.821	4.854	VV	261	3764	0.08%	0.019%
18	4.870	4.854	4.890	VV	219	4577	0.09%	0.023%
19	4.893	4.890	4.935	VV	379	5096	0.10%	0.025%
20	4.942	4.935	4.959	VV	230	1744	0.04%	0.009%
21	4.970	4.959	4.976	PV	248	1271	0.03%	0.006%
22	5.015	4.976	5.040	VV	302	5150	0.11%	0.025%
23	5.049	5.040	5.063	VV	422	4408	0.09%	0.022%
24	5.082	5.063	5.121	VV	2120	26223	0.54%	0.129%
25	5.143	5.121	5.163	VV	628	9696	0.20%	0.048%
26	5.170	5.163	5.176	VV	309	2075	0.04%	0.010%
27	5.194	5.176	5.210	VV	388	5564	0.11%	0.027%
28	5.217	5.210	5.223	VV	281	1574	0.03%	0.008%
29	5.226	5.223	5.242	VV	228	1670	0.03%	0.008%
30	5.270	5.242	5.287	PV	297	5425	0.11%	0.027%
31	5.302	5.287	5.348	VV	3031	35031	0.72%	0.172%
32	5.362	5.348	5.395	VV	350	5897	0.12%	0.029%
33	5.410	5.395	5.422	VV	189	2136	0.04%	0.011%
34	5.429	5.422	5.442	VV	265	2484	0.05%	0.012%
35	5.450	5.442	5.468	VV	408	3938	0.08%	0.019%
36	5.483	5.468	5.505	VV	704	8703	0.18%	0.043%

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37	5.522	5.505	5.543	VV	899	10847	0.22%	0.053%
38	5.551	5.543	5.560	VV	283	1902	0.04%	0.009%
39	5.578	5.560	5.599	VV	298	4579	0.09%	0.023%
40	5.635	5.608	5.653	VV	309	5557	0.11%	0.027%
41	5.661	5.653	5.668	VV	321	2062	0.04%	0.010%
42	5.676	5.668	5.707	VV	327	4276	0.09%	0.021%
43	5.721	5.707	5.759	PV	349	5877	0.12%	0.029%
44	5.770	5.759	5.779	VV	296	2499	0.05%	0.012%
45	5.785	5.779	5.812	VV	353	4266	0.09%	0.021%
46	5.816	5.812	5.850	VV	370	5851	0.12%	0.029%
47	5.858	5.850	5.864	VV	216	1090	0.02%	0.005%
48	5.876	5.864	5.882	VV	292	1612	0.03%	0.008%
49	5.886	5.882	5.897	VV	315	1602	0.03%	0.008%
50	5.903	5.897	5.910	VV	308	1387	0.03%	0.007%
51	5.942	5.919	5.948	VV	479	5496	0.11%	0.027%
52	5.950	5.948	5.967	VV	437	3355	0.07%	0.017%
53	5.993	5.967	6.016	VV	591	12293	0.25%	0.061%
54	6.033	6.016	6.067	VV	1825	24099	0.49%	0.119%
55	6.079	6.067	6.110	VV	495	6890	0.14%	0.034%
56	6.123	6.110	6.146	VV	677	8381	0.17%	0.041%
57	6.154	6.146	6.162	VV	244	1456	0.03%	0.007%
58	6.183	6.162	6.215	VV	701	10764	0.22%	0.053%
59	6.223	6.215	6.230	VV	355	1769	0.04%	0.009%
60	6.235	6.230	6.245	VV	316	2006	0.04%	0.010%
61	6.250	6.245	6.255	VV	224	1252	0.03%	0.006%
62	6.270	6.255	6.282	VV	294	3511	0.07%	0.017%
63	6.286	6.282	6.296	VV	232	1226	0.03%	0.006%
64	6.315	6.296	6.361	VV	816	10465	0.21%	0.052%
65	6.379	6.373	6.421	VV	268	5552	0.11%	0.027%
66	6.425	6.421	6.440	VV	190	1917	0.04%	0.009%
67	6.462	6.440	6.504	VV	1122	15252	0.31%	0.075%
68	6.509	6.504	6.516	VV	235	1240	0.03%	0.006%
69	6.524	6.516	6.538	VV	274	2740	0.06%	0.013%
70	6.551	6.538	6.567	VV	333	4231	0.09%	0.021%
71	6.582	6.567	6.597	VV	442	5184	0.11%	0.026%
72	6.612	6.597	6.637	VV	648	8232	0.17%	0.041%
73	6.643	6.637	6.664	VV	305	2575	0.05%	0.013%
74	6.682	6.664	6.705	VV	422	5735	0.12%	0.028%
75	6.717	6.705	6.751	PV	336	3789	0.08%	0.019%
76	6.767	6.761	6.776	VV	111	1061	0.02%	0.005%
77	6.781	6.776	6.812	VV	299	3939	0.08%	0.019%
78	6.819	6.812	6.827	VV	269	1572	0.03%	0.008%
79	6.841	6.827	6.858	VV	378	5475	0.11%	0.027%
80	6.863	6.858	6.872	VV	384	2405	0.05%	0.012%
81	6.884	6.872	6.893	VV	306	3810	0.08%	0.019%
82	6.905	6.893	6.923	VV	524	6583	0.13%	0.032%
83	6.959	6.923	6.988	VV	863	21421	0.44%	0.105%
84	7.002	6.988	7.051	VV	737	16659	0.34%	0.082%
85	7.087	7.058	7.134	VV	1538	23184	0.47%	0.114%
86	7.142	7.134	7.155	VV	299	2905	0.06%	0.014%
87	7.163	7.155	7.175	VV	258	1966	0.04%	0.010%
88	7.181	7.175	7.206	PV	198	2591	0.05%	0.013%
89	7.223	7.206	7.232	VV	960	9223	0.19%	0.045%

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90	7.246	7.232	7.285	VV	1425	21197	0.43%	0.104%
91	7.305	7.285	7.316	VV	402	4009	0.08%	0.020%
92	7.322	7.316	7.335	VV	220	1177	0.02%	0.006%
93	7.351	7.335	7.365	PV	225	3033	0.06%	0.015%
94	7.383	7.365	7.430	VV	629	9174	0.19%	0.045%
95	7.450	7.430	7.455	VV	282	2618	0.05%	0.013%
96	7.461	7.455	7.466	VV	258	1392	0.03%	0.007%
97	7.479	7.466	7.502	VV	463	4957	0.10%	0.024%
98	7.507	7.502	7.530	VV	148	1806	0.04%	0.009%
99	7.545	7.530	7.556	VV	227	2541	0.05%	0.013%
100	7.563	7.556	7.577	VV	295	2218	0.05%	0.011%
101	7.581	7.577	7.590	VV	251	1490	0.03%	0.007%
102	7.617	7.590	7.630	VV	615	9131	0.19%	0.045%
103	7.649	7.630	7.667	VV	778	11753	0.24%	0.058%
104	7.698	7.667	7.745	VV	505330	4892861	100.00%	24.085%
105	7.751	7.745	7.768	VV	721	7798	0.16%	0.038%
106	7.793	7.768	7.800	VV	854	12531	0.26%	0.062%
107	7.802	7.800	7.854	VV	890	15103	0.31%	0.074%
108	7.861	7.854	7.887	VV	308	3635	0.07%	0.018%
109	7.905	7.887	7.917	VV	246	2561	0.05%	0.013%
110	7.948	7.930	7.953	VV	428	3779	0.08%	0.019%
111	7.958	7.953	7.985	VV	437	5148	0.11%	0.025%
112	7.990	7.985	8.016	VV	316	3939	0.08%	0.019%
113	8.023	8.016	8.028	VV	299	1795	0.04%	0.009%
114	8.044	8.028	8.053	VV	385	4459	0.09%	0.022%
115	8.064	8.053	8.094	VV	537	10651	0.22%	0.052%
116	8.098	8.094	8.108	VV	347	2598	0.05%	0.013%
117	8.112	8.108	8.129	VV	319	3255	0.07%	0.016%
118	8.136	8.129	8.142	VV	473	2437	0.05%	0.012%
119	8.148	8.142	8.155	VV	575	4242	0.09%	0.021%
120	8.158	8.155	8.166	VV	613	3788	0.08%	0.019%
121	8.182	8.166	8.198	VV	1179	15313	0.31%	0.075%
122	8.211	8.198	8.229	VV	876	11464	0.23%	0.056%
123	8.253	8.229	8.272	VV	1569	23565	0.48%	0.116%
124	8.286	8.272	8.295	VV	547	6292	0.13%	0.031%
125	8.320	8.295	8.330	VV	600	9425	0.19%	0.046%
126	8.370	8.330	8.427	VV	1114	43108	0.88%	0.212%
127	8.453	8.427	8.468	VV	535	8958	0.18%	0.044%
128	8.489	8.468	8.516	VV	585	9619	0.20%	0.047%
129	8.562	8.516	8.601	VV	358331	3537550	72.30%	17.413%
130	8.615	8.601	8.658	VV	1942	33573	0.69%	0.165%
131	8.660	8.658	8.680	VV	591	5092	0.10%	0.025%
132	8.712	8.680	8.730	VV	699	12680	0.26%	0.062%
133	8.737	8.730	8.752	VV	473	5607	0.11%	0.028%
134	8.760	8.752	8.780	VV	510	6447	0.13%	0.032%
135	8.809	8.780	8.845	VV	520	11749	0.24%	0.058%
136	8.851	8.845	8.855	VV	407	1854	0.04%	0.009%
137	8.860	8.855	8.873	VV	336	3800	0.08%	0.019%
138	8.880	8.873	8.885	VV	549	2986	0.06%	0.015%
139	8.902	8.885	8.923	VV	604	10970	0.22%	0.054%
140	8.935	8.923	8.943	VV	654	6584	0.13%	0.032%
141	8.973	8.943	9.016	VV	35573	377876	7.72%	1.860%

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142	9.029	9.016	9.037	VV	848	9786	0.20%	0.048%
143	9.055	9.037	9.080	VV	2183	33809	0.69%	0.166%
144	9.090	9.080	9.100	VV	1148	11786	0.24%	0.058%
145	9.108	9.100	9.111	VV	1010	6743	0.14%	0.033%
146	9.124	9.111	9.148	VV	2026	24333	0.50%	0.120%
147	9.163	9.148	9.175	VV	279	2372	0.05%	0.012%
148	9.194	9.175	9.200	VV	315	2738	0.06%	0.013%
149	9.220	9.200	9.237	VV	579	8523	0.17%	0.042%
150	9.262	9.237	9.283	VV	1099	16303	0.33%	0.080%
151	9.309	9.283	9.324	VV	725	10533	0.22%	0.052%
152	9.331	9.324	9.338	VV	303	2214	0.05%	0.011%
153	9.357	9.338	9.383	VV	737	11462	0.23%	0.056%
154	9.391	9.383	9.395	VV	291	1629	0.03%	0.008%
155	9.439	9.395	9.502	VV	892	27309	0.56%	0.134%
156	9.520	9.502	9.556	VV	1106	21163	0.43%	0.104%
157	9.558	9.556	9.563	VV	411	1825	0.04%	0.009%
158	9.583	9.563	9.605	VV	606	11877	0.24%	0.058%
159	9.629	9.605	9.670	VV	641	18089	0.37%	0.089%
160	9.688	9.670	9.695	VV	1032	10987	0.22%	0.054%
161	9.717	9.695	9.750	VV	20521	220534	4.51%	1.086%
162	9.762	9.750	9.773	VV	897	10037	0.21%	0.049%
163	9.785	9.773	9.807	VV	758	12289	0.25%	0.060%
164	9.810	9.807	9.826	VV	437	3916	0.08%	0.019%
165	9.853	9.826	9.893	VV	1109	23758	0.49%	0.117%
166	9.922	9.893	9.939	VV	562	11468	0.23%	0.056%
167	9.946	9.939	9.985	VV	437	9348	0.19%	0.046%
168	9.994	9.985	10.000	VV	229	1651	0.03%	0.008%
169	10.024	10.000	10.051	VV	405	7809	0.16%	0.038%
170	10.069	10.062	10.085	VV	254	1909	0.04%	0.009%
171	10.128	10.116	10.157	VV	139	1406	0.03%	0.007%
172	10.185	10.157	10.215	VV	405	6439	0.13%	0.032%
173	10.235	10.225	10.263	VV	371	5879	0.12%	0.029%
174	10.277	10.263	10.296	VV	657	9104	0.19%	0.045%
175	10.313	10.296	10.350	VV	623	15368	0.31%	0.076%
176	10.369	10.350	10.385	VV	1031	14102	0.29%	0.069%
177	10.409	10.385	10.420	VV	1096	15204	0.31%	0.075%
178	10.426	10.420	10.462	VV	801	13092	0.27%	0.064%
179	10.467	10.462	10.480	VV	620	5116	0.10%	0.025%
180	10.495	10.480	10.527	VV	793	16035	0.33%	0.079%
181	10.541	10.527	10.555	VV	1137	14611	0.30%	0.072%
182	10.567	10.555	10.595	VV	961	19356	0.40%	0.095%
183	10.598	10.595	10.599	VV	760	1821	0.04%	0.009%
184	10.608	10.599	10.624	VV	926	10294	0.21%	0.051%
185	10.646	10.624	10.656	VV	864	13739	0.28%	0.068%
186	10.680	10.656	10.710	VV	1300	29300	0.60%	0.144%
187	10.720	10.710	10.740	VV	850	12026	0.25%	0.059%
188	10.742	10.740	10.752	VV	544	2997	0.06%	0.015%
189	10.764	10.752	10.768	VV	530	4252	0.09%	0.021%
190	10.774	10.768	10.797	VV	785	10051	0.21%	0.049%
191	10.802	10.797	10.817	VV	765	7687	0.16%	0.038%
192	10.838	10.817	10.872	VV	3779	52100	1.06%	0.256%
193	10.878	10.872	10.895	VV	700	8056	0.16%	0.040%
194	10.913	10.895	10.945	VV	1266	23109	0.47%	0.114%

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195	10.962	10.945	10.967	VV	666	7104	0.15%	0.035%
196	10.971	10.967	10.992	VV	730	7515	0.15%	0.037%
197	10.996	10.992	10.999	VV	586	2155	0.04%	0.011%
198	11.003	10.999	11.045	VV	541	7959	0.16%	0.039%
199	11.055	11.045	11.068	PV	213	1837	0.04%	0.009%
200	11.082	11.068	11.087	VV	388	3051	0.06%	0.015%
201	11.097	11.087	11.102	VV	363	2824	0.06%	0.014%
202	11.132	11.102	11.162	VV	647	16031	0.33%	0.079%
203	11.166	11.162	11.188	VV	315	4132	0.08%	0.020%
204	11.218	11.188	11.239	VV	824	13793	0.28%	0.068%
205	11.259	11.239	11.269	VV	554	6777	0.14%	0.033%
206	11.286	11.269	11.312	VV	863	12121	0.25%	0.060%
207	11.365	11.320	11.414	VV	542	15747	0.32%	0.078%
208	11.439	11.414	11.465	VV	481	6583	0.13%	0.032%
209	11.481	11.465	11.508	VV	596	7878	0.16%	0.039%
210	11.531	11.508	11.542	VV	552	6920	0.14%	0.034%
211	11.558	11.542	11.563	VV	321	3191	0.07%	0.016%
212	11.569	11.563	11.573	VV	357	1811	0.04%	0.009%
213	11.607	11.573	11.654	VV	328190	3540411	72.36%	17.427%
214	11.670	11.654	11.687	VV	1459	20693	0.42%	0.102%
215	11.700	11.687	11.727	VV	1068	14417	0.29%	0.071%
216	11.762	11.727	11.772	VV	1270	21304	0.44%	0.105%
217	11.785	11.772	11.800	VV	1495	17596	0.36%	0.087%
218	11.818	11.800	11.856	VV	1261	20764	0.42%	0.102%
219	11.863	11.856	11.873	VV	225	1839	0.04%	0.009%
220	11.882	11.873	11.888	VV	433	2717	0.06%	0.013%
221	11.895	11.888	11.907	VV	462	3752	0.08%	0.018%
222	11.945	11.907	11.962	VV	821	14369	0.29%	0.071%
223	12.006	11.962	12.032	VV	4836	65867	1.35%	0.324%
224	12.053	12.032	12.081	VV	4295	62232	1.27%	0.306%
225	12.106	12.081	12.153	VV	20768	290134	5.93%	1.428%
226	12.157	12.153	12.162	VV	1504	7216	0.15%	0.036%
227	12.164	12.162	12.175	VV	1546	11136	0.23%	0.055%
228	12.196	12.175	12.248	VV	20716	283920	5.80%	1.398%
229	12.251	12.248	12.277	VV	1490	19392	0.40%	0.095%
230	12.283	12.277	12.312	VV	1079	20034	0.41%	0.099%
231	12.315	12.312	12.320	VV	1023	4933	0.10%	0.024%
232	12.329	12.320	12.353	VV	1184	19034	0.39%	0.094%
233	12.357	12.353	12.362	VV	933	4215	0.09%	0.021%
234	12.376	12.362	12.378	VV	984	8853	0.18%	0.044%
235	12.384	12.378	12.400	VV	1076	10900	0.22%	0.054%
236	12.452	12.400	12.478	VV	1723	50923	1.04%	0.251%
237	12.486	12.478	12.503	VV	802	9617	0.20%	0.047%
238	12.534	12.503	12.555	VV	2146	37172	0.76%	0.183%
239	12.593	12.555	12.621	VV	1895	43643	0.89%	0.215%
240	12.650	12.621	12.717	VV	5685	110404	2.26%	0.543%
241	12.723	12.717	12.731	VV	582	3804	0.08%	0.019%
242	12.733	12.731	12.745	VV	406	2954	0.06%	0.015%
243	12.809	12.745	12.830	VV	672	23156	0.47%	0.114%
244	12.867	12.830	12.911	VV	831	26227	0.54%	0.129%
245	12.947	12.911	12.970	VV	5040	65077	1.33%	0.320%
246	13.002	12.970	13.008	VV	1226	18979	0.39%	0.093%

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247	13.036	13.008	13.066	VV	80146	920269	18.81%	4.530%
248	13.084	13.066	13.120	VV	1258	27934	0.57%	0.138%
249	13.138	13.120	13.180	VV	845	19838	0.41%	0.098%
250	13.221	13.180	13.237	VV	1783	34676	0.71%	0.171%
251	13.265	13.237	13.348	VV	7893	188011	3.84%	0.925%
252	13.352	13.348	13.363	VV	975	7644	0.16%	0.038%
253	13.371	13.363	13.377	VV	808	6345	0.13%	0.031%
254	13.383	13.377	13.391	VV	857	5913	0.12%	0.029%
255	13.427	13.391	13.462	VV	7963	121264	2.48%	0.597%
256	13.467	13.462	13.480	VV	778	7008	0.14%	0.034%
257	13.493	13.480	13.512	VV	751	13598	0.28%	0.067%
258	13.534	13.512	13.559	VV	1349	26165	0.53%	0.129%
259	13.565	13.559	13.586	VV	593	7231	0.15%	0.036%
260	13.602	13.586	13.607	VV	590	5452	0.11%	0.027%
261	13.611	13.607	13.630	VV	504	3143	0.06%	0.015%
262	13.650	13.630	13.668	VV	779	11602	0.24%	0.057%
263	13.688	13.668	13.695	VV	710	9016	0.18%	0.044%
264	13.709	13.695	13.713	VV	570	5450	0.11%	0.027%
265	13.738	13.713	13.768	VV	1518	27116	0.55%	0.133%
266	13.788	13.768	13.798	VV	1273	16912	0.35%	0.083%
267	13.809	13.798	13.837	VV	1348	22655	0.46%	0.112%
268	13.852	13.837	13.896	VV	1066	20745	0.42%	0.102%
269	13.906	13.896	13.930	VV	531	6100	0.12%	0.030%
270	13.937	13.930	13.943	PV	288	1485	0.03%	0.007%
271	13.957	13.943	13.961	VV	293	2656	0.05%	0.013%
272	13.967	13.961	14.005	VV	415	8199	0.17%	0.040%
273	14.011	14.005	14.018	VV	394	2377	0.05%	0.012%
274	14.036	14.018	14.049	VV	567	8004	0.16%	0.039%
275	14.057	14.049	14.065	VV	305	2566	0.05%	0.013%
276	14.073	14.065	14.088	VV	371	3972	0.08%	0.020%
277	14.092	14.088	14.100	VV	232	1434	0.03%	0.007%
278	14.104	14.100	14.111	VV	288	1438	0.03%	0.007%
279	14.120	14.111	14.140	VV	417	3145	0.06%	0.015%
280	14.146	14.140	14.153	VV	315	1840	0.04%	0.009%
281	14.180	14.153	14.199	VV	1168	22312	0.46%	0.110%
282	14.222	14.199	14.256	VV	1732	34709	0.71%	0.171%
283	14.270	14.256	14.308	VV	1047	19666	0.40%	0.097%
284	14.324	14.308	14.330	VV	513	4920	0.10%	0.024%
285	14.349	14.330	14.361	VV	760	10191	0.21%	0.050%
286	14.377	14.361	14.395	VV	643	9862	0.20%	0.049%
287	14.408	14.395	14.425	VV	792	11042	0.23%	0.054%
288	14.445	14.425	14.467	VV	883	16534	0.34%	0.081%
289	14.471	14.467	14.482	VV	728	5387	0.11%	0.027%
290	14.508	14.482	14.542	VV	1220	23846	0.49%	0.117%
291	14.584	14.542	14.618	VV	2545	45169	0.92%	0.222%
292	14.627	14.618	14.636	VV	488	4102	0.08%	0.020%
293	14.663	14.636	14.686	VV	2526	34902	0.71%	0.172%
294	14.695	14.686	14.720	VV	542	7499	0.15%	0.037%
295	14.741	14.720	14.744	VV	633	7350	0.15%	0.036%
296	14.748	14.744	14.782	VV	617	10633	0.22%	0.052%
297	14.785	14.782	14.795	VV	378	2864	0.06%	0.014%
298	14.818	14.795	14.836	VV	3038	40414	0.83%	0.199%
299	14.857	14.836	14.876	VV	3940	54922	1.12%	0.270%

					rteres			
300	14.888	14.876	14.908	VV	977	14337	0.29%	0.071%
301	14.932	14.908	14.956	VV	1941	26806	0.55%	0.132%
302	14.984	14.956	15.008	VV	1944	29768	0.61%	0.147%
303	15.067	15.008	15.078	VV	552	14954	0.31%	0.074%
304	15.082	15.078	15.107	VV	347	3270	0.07%	0.016%
305	15.132	15.107	15.153	VV	506	10512	0.21%	0.052%
306	15.159	15.153	15.166	VV	469	2679	0.05%	0.013%
307	15.179	15.166	15.192	VV	523	6188	0.13%	0.030%
308	15.198	15.192	15.217	VV	212	2304	0.05%	0.011%
309	15.227	15.217	15.233	PV	242	1467	0.03%	0.007%
310	15.264	15.233	15.332	VV	7802	134301	2.74%	0.661%
311	15.361	15.332	15.384	VV	697	14722	0.30%	0.072%
312	15.424	15.384	15.443	VV	1778	33822	0.69%	0.166%
313	15.461	15.443	15.481	VV	1205	18870	0.39%	0.093%
314	15.488	15.481	15.519	VV	1000	13731	0.28%	0.068%
315	15.530	15.519	15.555	VV	588	7881	0.16%	0.039%
316	15.558	15.555	15.577	VV	286	2174	0.04%	0.011%
317	15.582	15.577	15.591	VV	300	1417	0.03%	0.007%
318	15.627	15.591	15.633	VV	619	9261	0.19%	0.046%
319	15.652	15.633	15.684	VV	819	16978	0.35%	0.084%
320	15.688	15.684	15.704	VV	395	3022	0.06%	0.015%
321	15.732	15.704	15.754	VV	497	9285	0.19%	0.046%
322	15.780	15.754	15.809	VV	954	16594	0.34%	0.082%
323	15.821	15.809	15.827	VV	455	3695	0.08%	0.018%
324	15.834	15.827	15.838	VV	441	2370	0.05%	0.012%
325	15.844	15.838	15.849	VV	532	2419	0.05%	0.012%
326	15.868	15.849	15.888	VV	913	11648	0.24%	0.057%
327	15.905	15.888	15.944	VV	990	16519	0.34%	0.081%
328	15.967	15.944	16.013	VV	3749	52800	1.08%	0.260%
329	16.020	16.013	16.027	VV	325	1786	0.04%	0.009%
330	16.059	16.027	16.072	VV	488	7038	0.14%	0.035%
331	16.081	16.072	16.118	VV	355	6922	0.14%	0.034%
332	16.123	16.118	16.139	VV	318	2514	0.05%	0.012%
333	16.163	16.152	16.171	VV	322	2294	0.05%	0.011%
334	16.188	16.171	16.204	VV	334	4695	0.10%	0.023%
335	16.217	16.204	16.227	VV	223	1911	0.04%	0.009%
336	16.272	16.227	16.323	PV	4940	86818	1.77%	0.427%
337	16.327	16.323	16.332	VV	463	2138	0.04%	0.011%
338	16.367	16.332	16.385	VV	4050	65438	1.34%	0.322%
339	16.396	16.385	16.433	VV	2841	40373	0.83%	0.199%
340	16.463	16.433	16.497	VV	2799	51972	1.06%	0.256%
341	16.521	16.497	16.540	VV	621	11443	0.23%	0.056%
342	16.544	16.540	16.548	VV	395	1493	0.03%	0.007%
343	16.555	16.548	16.564	VV	417	2768	0.06%	0.014%
344	16.575	16.564	16.585	VV	310	3246	0.07%	0.016%
345	16.589	16.585	16.607	VV	361	3477	0.07%	0.017%
346	16.628	16.607	16.653	VV	349	5961	0.12%	0.029%
347	16.688	16.653	16.723	VV	2087	33185	0.68%	0.163%
348	16.747	16.723	16.803	VV	4108	70913	1.45%	0.349%
349	16.820	16.803	16.833	VV	749	11272	0.23%	0.055%
350	16.851	16.833	16.880	VV	1725	27593	0.56%	0.136%
351	16.928	16.880	16.964	VV	25466	381539	7.80%	1.878%

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352	16.970	16.964	16.980	VV	413	2212	0.05%	0.011%	
353	16.991	16.980	17.002	VV	361	3594	0.07%	0.018%	
354	17.006	17.002	17.022	VV	348	2618	0.05%	0.013%	
355	17.055	17.031	17.073	VV	290	3988	0.08%	0.020%	
356	17.077	17.073	17.085	VV	225	1398	0.03%	0.007%	
357	17.112	17.085	17.125	VV	578	9760	0.20%	0.048%	
358	17.128	17.125	17.133	VV	456	2244	0.05%	0.011%	
359	17.137	17.133	17.172	VV	450	5104	0.10%	0.025%	
360	17.211	17.172	17.274	VV	21468	334600	6.84%	1.647%	
361	17.300	17.274	17.352	VV	3667	71459	1.46%	0.352%	
362	17.385	17.352	17.435	VV	2009	45267	0.93%	0.223%	
363	17.471	17.435	17.500	VV	927	19781	0.40%	0.097%	
364	17.525	17.500	17.555	VV	3256	44938	0.92%	0.221%	
365	17.594	17.567	17.634	VV	2967	45257	0.92%	0.223%	
366	17.661	17.634	17.677	VV	1282	23261	0.48%	0.115%	
367	17.712	17.677	17.718	VV	1560	29067	0.59%	0.143%	
368	17.737	17.718	17.774	VV	2579	46214	0.94%	0.227%	
369	17.782	17.774	17.789	VV	603	4619	0.09%	0.023%	
370	17.826	17.789	17.872	VV	10028	158125	3.23%	0.778%	
371	17.888	17.872	17.895	VV	532	5799	0.12%	0.029%	
372	17.906	17.895	17.911	VV	558	4718	0.10%	0.023%	
373	17.919	17.911	17.930	VV	583	5033	0.10%	0.025%	
374	17.956	17.930	17.989	VV	626	15146	0.31%	0.075%	
375	18.022	17.989	18.042	VV	1106	20302	0.41%	0.100%	
376	18.091	18.042	18.129	VV	13202	274412	5.61%	1.351%	
377	18.154	18.129	18.208	VV	9946	186789	3.82%	0.919%	
378	18.253	18.208	18.280	VV	2798	53945	1.10%	0.266%	
379	18.290	18.280	18.303	VV	954	11850	0.24%	0.058%	
380	18.309	18.303	18.321	VV	841	8377	0.17%	0.041%	
381	18.325	18.321	18.329	VV	807	3471	0.07%	0.017%	
382	18.359	18.329	18.398	VV	4298	70072	1.43%	0.345%	
383	18.411	18.398	18.447	VV	501	6676	0.14%	0.033%	
					Sum of corrected areas:		20315185		

Aromatic EPH 100225.M Fri Oct 03 06:52:56 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
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
FE056155.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.43	J	0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.63	U	0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.26		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3257-01	Acq On:	02 Oct 2025 19:05
Client Sample ID:	ENV1-6FT	Operator:	YP\AJ
Data file:	FE056155.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	542973	3.878	300	ug/ml
Aliphatic C12-C16	6.946	10.395	852070	5.555	200	ug/ml
Aliphatic C16-C21	10.396	13.772	893896	5.389	300	ug/ml
Aliphatic C21-C28	13.773	17.442	774222	5.213	400	ug/ml
Aliphatic C28-C40	17.443	22.448	12524086	91.919	600	ug/ml
Aliphatic EPH	3.311	22.448	15587247	111.953		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4674012	33.49		ug/ml
Aliphatic C9-C28	3.311	17.442	3063161	20.035	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056155.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 19:05
Operator : YP\AJ
Sample : Q3257-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV1-6FT

Integration File: autoint1.e
Quant Time: Oct 03 01:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.505	4674012	33.490 ug/ml
Spiked Amount 50.000		Recovery =	66.98%

Target Compounds

(f)=RT Delta > 1/2 Window

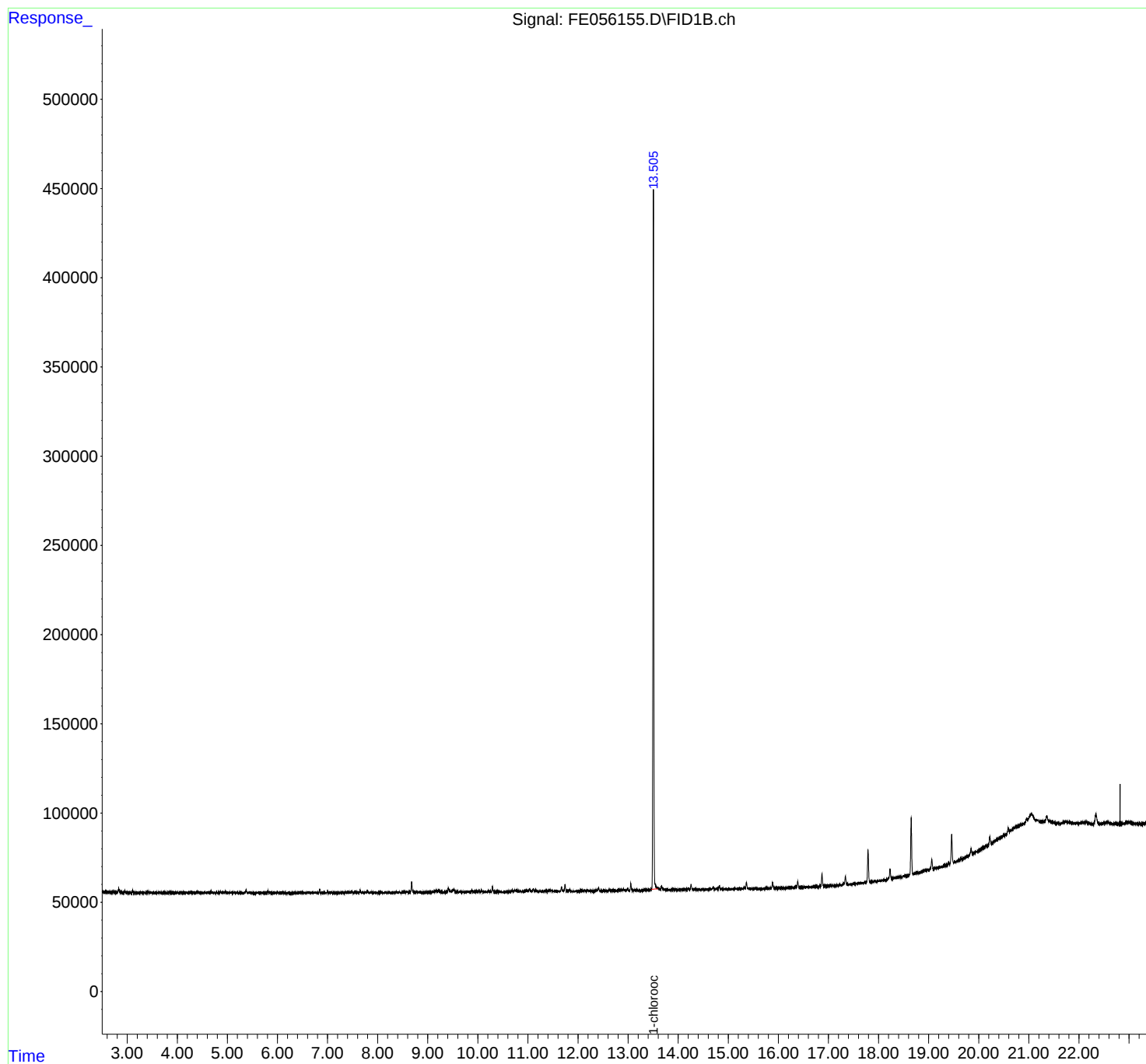
(m)=manual int.

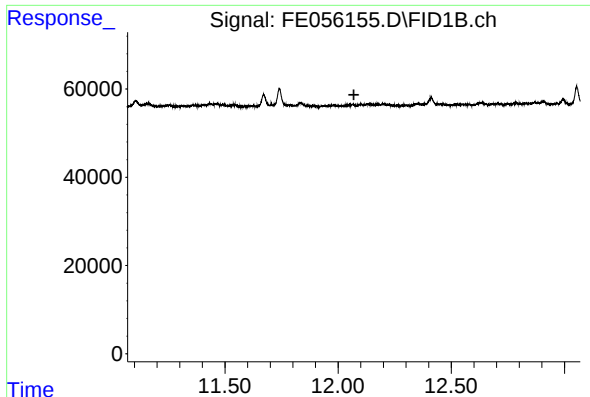
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056155.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 19:05
Operator : YP\AJ
Sample : Q3257-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV1-6FT

Integration File: autoint1.e
Quant Time: Oct 03 01:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

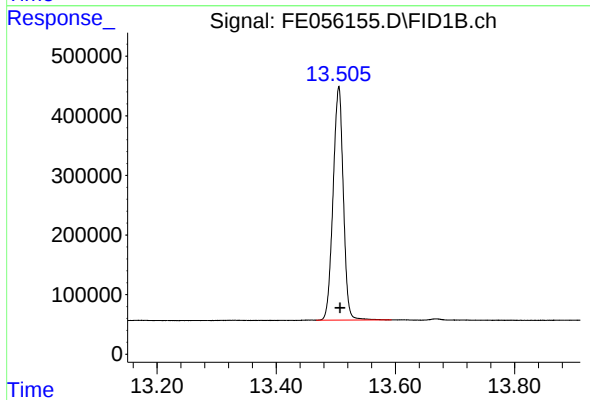




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.070 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV1-6FT



#12 1-chlorooctadecane (SURR)

R.T.: 13.505 min
Delta R.T.: -0.003 min
Response: 4674012
Conc: 33.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056155.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 19:05
 Sample : Q3257-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.828	2.804	2.867	PV	1940	30808	0.65%	0.151%
2	2.884	2.867	2.930	PV	371	3469	0.07%	0.017%
3	2.950	2.930	3.018	PV	862	9815	0.21%	0.048%
4	3.050	3.018	3.068	VV	139	1914	0.04%	0.009%
5	3.071	3.068	3.088	VV	105	709	0.01%	0.003%
6	3.107	3.088	3.135	VV	1297	14461	0.30%	0.071%
7	3.179	3.135	3.218	PV	215	6749	0.14%	0.033%
8	3.227	3.218	3.264	VV	166	3694	0.08%	0.018%
9	3.271	3.264	3.290	VV	167	1736	0.04%	0.008%
10	3.317	3.290	3.330	VV	152	2279	0.05%	0.011%
11	3.342	3.330	3.351	VV	124	1349	0.03%	0.007%
12	3.412	3.351	3.451	VV	907	16501	0.35%	0.081%
13	3.468	3.451	3.518	VV	250	6629	0.14%	0.032%
14	3.534	3.518	3.558	VV	264	4650	0.10%	0.023%
15	3.563	3.558	3.575	VV	225	2241	0.05%	0.011%
16	3.588	3.575	3.604	VV	264	3278	0.07%	0.016%
17	3.614	3.604	3.645	VV	275	4756	0.10%	0.023%
18	3.654	3.645	3.674	VV	276	3749	0.08%	0.018%
19	3.678	3.674	3.691	VV	239	1860	0.04%	0.009%
20	3.698	3.691	3.716	VV	217	2818	0.06%	0.014%
21	3.736	3.716	3.793	VV	346	9773	0.21%	0.048%
22	3.810	3.793	3.845	VV	287	6254	0.13%	0.031%
23	3.863	3.845	3.889	VV	351	6472	0.14%	0.032%
24	3.905	3.889	3.930	VV	219	4133	0.09%	0.020%
25	3.946	3.930	3.983	VV	352	5660	0.12%	0.028%
26	4.005	3.983	4.039	VV	345	7427	0.16%	0.036%
27	4.054	4.039	4.091	VV	271	4906	0.10%	0.024%
28	4.104	4.091	4.141	VV	323	6481	0.14%	0.032%
29	4.148	4.141	4.168	VV	133	1656	0.03%	0.008%
30	4.209	4.168	4.226	VV	501	8528	0.18%	0.042%
31	4.243	4.226	4.294	VV	610	10898	0.23%	0.053%
32	4.319	4.294	4.362	VV	349	5657	0.12%	0.028%
33	4.397	4.362	4.434	VV	652	14806	0.31%	0.072%
34	4.446	4.434	4.474	VV	241	4969	0.10%	0.024%
35	4.481	4.474	4.514	VV	243	3822	0.08%	0.019%
36	4.523	4.514	4.545	VV	186	2878	0.06%	0.014%

					rteres			
37	4.566	4.545	4.581	VV	265	4476	0.09%	0.022%
38	4.600	4.581	4.608	VV	253	3621	0.08%	0.018%
39	4.615	4.608	4.636	VV	239	2930	0.06%	0.014%
40	4.670	4.636	4.699	VV	1027	15205	0.32%	0.074%
41	4.714	4.699	4.734	VV	381	4676	0.10%	0.023%
42	4.748	4.734	4.767	VV	229	3632	0.08%	0.018%
43	4.783	4.767	4.812	VV	429	7536	0.16%	0.037%
44	4.859	4.812	4.880	VV	675	13544	0.28%	0.066%
45	4.890	4.880	4.905	VV	337	4074	0.09%	0.020%
46	4.921	4.905	4.937	VV	602	7557	0.16%	0.037%
47	4.955	4.937	4.978	VV	1116	13912	0.29%	0.068%
48	4.983	4.978	5.004	VV	314	4623	0.10%	0.023%
49	5.015	5.004	5.027	VV	296	3404	0.07%	0.017%
50	5.087	5.027	5.158	VV	364	21045	0.44%	0.103%
51	5.188	5.158	5.240	VV	326	9091	0.19%	0.045%
52	5.256	5.240	5.270	VV	172	2368	0.05%	0.012%
53	5.288	5.270	5.309	VV	227	3273	0.07%	0.016%
54	5.374	5.309	5.408	VV	2044	32662	0.69%	0.160%
55	5.434	5.408	5.450	VV	622	8874	0.19%	0.043%
56	5.459	5.450	5.473	VV	336	3135	0.07%	0.015%
57	5.488	5.473	5.535	VV	261	5157	0.11%	0.025%
58	5.559	5.535	5.570	VV	102	2058	0.04%	0.010%
59	5.584	5.570	5.601	VV	230	2734	0.06%	0.013%
60	5.620	5.601	5.643	VV	263	3547	0.07%	0.017%
61	5.662	5.643	5.672	VV	175	2043	0.04%	0.010%
62	5.690	5.672	5.706	VV	235	3599	0.08%	0.018%
63	5.718	5.706	5.744	VV	184	2856	0.06%	0.014%
64	5.773	5.744	5.791	VV	207	4220	0.09%	0.021%
65	5.810	5.791	5.829	VV	1397	15255	0.32%	0.075%
66	5.853	5.829	5.881	VV	909	13257	0.28%	0.065%
67	5.889	5.881	5.898	VV	220	1648	0.03%	0.008%
68	5.913	5.898	5.935	VV	340	4810	0.10%	0.024%
69	6.002	5.935	6.042	VV	454	14125	0.30%	0.069%
70	6.071	6.042	6.098	VV	234	5431	0.11%	0.027%
71	6.111	6.098	6.153	VV	329	6806	0.14%	0.033%
72	6.178	6.153	6.191	VV	195	2665	0.06%	0.013%
73	6.204	6.191	6.241	VV	224	3780	0.08%	0.019%
74	6.247	6.241	6.268	VV	136	1358	0.03%	0.007%
75	6.293	6.268	6.309	PV	196	2622	0.06%	0.013%
76	6.346	6.309	6.364	VV	246	5106	0.11%	0.025%
77	6.394	6.364	6.427	VV	480	10150	0.21%	0.050%
78	6.442	6.427	6.470	VV	333	6526	0.14%	0.032%
79	6.488	6.470	6.524	VV	681	11792	0.25%	0.058%
80	6.550	6.524	6.581	VV	469	9705	0.20%	0.048%
81	6.626	6.581	6.739	VV	381	25770	0.54%	0.126%
82	6.759	6.739	6.782	VV	334	7323	0.15%	0.036%
83	6.843	6.782	6.874	VV	2312	33639	0.71%	0.165%
84	6.885	6.874	6.914	VV	243	4957	0.10%	0.024%
85	6.930	6.914	6.947	VV	429	5966	0.13%	0.029%
86	6.966	6.947	6.981	VV	294	4505	0.09%	0.022%
87	6.997	6.981	7.021	VV	955	11444	0.24%	0.056%
88	7.033	7.021	7.054	VV	327	4019	0.08%	0.020%
89	7.073	7.054	7.110	VV	390	4829	0.10%	0.024%

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90	7.125	7.110	7.144	VV	102	1741	0.04%	0.009%
91	7.149	7.144	7.154	VV	100	376	0.01%	0.002%
92	7.180	7.154	7.238	VV	167	6318	0.13%	0.031%
93	7.256	7.238	7.275	VV	222	3242	0.07%	0.016%
94	7.299	7.275	7.333	VV	422	6508	0.14%	0.032%
95	7.355	7.333	7.368	VV	573	7364	0.15%	0.036%
96	7.379	7.368	7.391	VV	364	4835	0.10%	0.024%
97	7.408	7.391	7.450	VV	508	12927	0.27%	0.063%
98	7.484	7.450	7.507	VV	773	14197	0.30%	0.070%
99	7.527	7.507	7.547	VV	315	5635	0.12%	0.028%
100	7.567	7.547	7.616	VV	769	14413	0.30%	0.071%
101	7.649	7.616	7.686	VV	1500	22270	0.47%	0.109%
102	7.714	7.686	7.743	VV	390	10387	0.22%	0.051%
103	7.756	7.743	7.770	VV	429	6005	0.13%	0.029%
104	7.792	7.770	7.842	VV	1723	26786	0.56%	0.131%
105	7.858	7.842	7.878	VV	370	5746	0.12%	0.028%
106	7.886	7.878	7.928	VV	412	5736	0.12%	0.028%
107	7.965	7.928	7.988	VV	250	6082	0.13%	0.030%
108	8.000	7.988	8.035	VV	178	2901	0.06%	0.014%
109	8.059	8.035	8.078	PV	657	7792	0.16%	0.038%
110	8.094	8.078	8.121	VV	208	3499	0.07%	0.017%
111	8.146	8.121	8.173	VV	235	5291	0.11%	0.026%
112	8.184	8.173	8.191	VV	185	1805	0.04%	0.009%
113	8.231	8.191	8.274	VV	389	13060	0.27%	0.064%
114	8.285	8.274	8.303	VV	206	2614	0.05%	0.013%
115	8.326	8.303	8.351	VV	174	3246	0.07%	0.016%
116	8.370	8.351	8.392	VV	729	9015	0.19%	0.044%
117	8.426	8.392	8.453	VV	599	9279	0.19%	0.045%
118	8.464	8.453	8.478	VV	184	2184	0.05%	0.011%
119	8.497	8.478	8.517	VV	480	6731	0.14%	0.033%
120	8.584	8.517	8.644	VV	935	29808	0.63%	0.146%
121	8.678	8.644	8.753	VV	6281	89639	1.88%	0.439%
122	8.787	8.753	8.834	VV	508	19310	0.41%	0.095%
123	8.837	8.834	8.897	VV	441	9461	0.20%	0.046%
124	8.913	8.897	8.961	VV	325	6208	0.13%	0.030%
125	8.972	8.961	8.991	VV	171	2033	0.04%	0.010%
126	9.035	8.991	9.063	VV	328	9624	0.20%	0.047%
127	9.152	9.063	9.199	VV	1093	49117	1.03%	0.240%
128	9.221	9.199	9.266	VV	1624	32926	0.69%	0.161%
129	9.285	9.266	9.323	VV	424	10453	0.22%	0.051%
130	9.341	9.323	9.358	VV	445	6878	0.14%	0.034%
131	9.411	9.358	9.479	VV	2739	69740	1.46%	0.341%
132	9.521	9.479	9.561	VV	1721	50363	1.06%	0.247%
133	9.568	9.561	9.578	VV	365	3579	0.08%	0.018%
134	9.595	9.578	9.624	VV	549	9060	0.19%	0.044%
135	9.647	9.624	9.721	VV	419	13550	0.28%	0.066%
136	9.747	9.721	9.779	VV	262	7214	0.15%	0.035%
137	9.811	9.779	9.851	VV	502	12700	0.27%	0.062%
138	9.879	9.851	9.916	VV	988	20835	0.44%	0.102%
139	9.933	9.916	9.953	VV	525	10084	0.21%	0.049%
140	9.970	9.953	10.001	VV	570	12579	0.26%	0.062%
141	10.019	10.001	10.044	VV	755	13625	0.29%	0.067%

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142	10.071	10.044	10.099	VV	1703	22667	0.48%	0.111%
143	10.109	10.099	10.121	VV	163	1911	0.04%	0.009%
144	10.145	10.121	10.186	VV	317	8391	0.18%	0.041%
145	10.212	10.186	10.268	VV	921	20359	0.43%	0.100%
146	10.292	10.268	10.345	VV	3105	45762	0.96%	0.224%
147	10.368	10.345	10.383	VV	334	6292	0.13%	0.031%
148	10.395	10.383	10.418	VV	334	5120	0.11%	0.025%
149	10.464	10.418	10.487	VV	271	7579	0.16%	0.037%
150	10.511	10.487	10.527	PV	171	1778	0.04%	0.009%
151	10.572	10.527	10.590	VV	214	5344	0.11%	0.026%
152	10.614	10.590	10.654	VV	358	9107	0.19%	0.045%
153	10.684	10.654	10.708	VV	1072	18817	0.39%	0.092%
154	10.736	10.708	10.757	VV	881	18986	0.40%	0.093%
155	10.771	10.757	10.805	VV	784	17829	0.37%	0.087%
156	10.828	10.805	10.873	VV	501	14652	0.31%	0.072%
157	10.898	10.873	10.906	VV	420	6901	0.14%	0.034%
158	10.936	10.906	10.950	VV	559	12956	0.27%	0.063%
159	10.964	10.950	10.996	VV	827	17119	0.36%	0.084%
160	11.035	10.996	11.072	VV	1927	38022	0.80%	0.186%
161	11.106	11.072	11.131	VV	1541	29352	0.62%	0.144%
162	11.162	11.131	11.198	VV	934	24666	0.52%	0.121%
163	11.254	11.198	11.278	VV	587	17251	0.36%	0.084%
164	11.309	11.278	11.334	VV	329	9310	0.20%	0.046%
165	11.339	11.334	11.343	VV	337	1557	0.03%	0.008%
166	11.368	11.343	11.389	VV	511	10702	0.22%	0.052%
167	11.408	11.389	11.421	VV	632	9364	0.20%	0.046%
168	11.432	11.421	11.448	VV	896	11927	0.25%	0.058%
169	11.463	11.448	11.516	VV	782	23425	0.49%	0.115%
170	11.541	11.516	11.581	VV	580	13023	0.27%	0.064%
171	11.604	11.581	11.641	VV	316	7767	0.16%	0.038%
172	11.671	11.641	11.712	VV	2805	44179	0.93%	0.216%
173	11.741	11.712	11.774	VV	4086	59474	1.25%	0.291%
174	11.786	11.774	11.811	VV	409	7920	0.17%	0.039%
175	11.834	11.811	11.912	VV	982	22194	0.47%	0.109%
176	11.984	11.912	12.001	PV	362	10010	0.21%	0.049%
177	12.065	12.001	12.081	VV	470	13614	0.29%	0.067%
178	12.100	12.081	12.115	VV	461	7610	0.16%	0.037%
179	12.134	12.115	12.159	VV	631	12484	0.26%	0.061%
180	12.176	12.159	12.186	VV	495	6883	0.14%	0.034%
181	12.203	12.186	12.251	VV	615	14063	0.30%	0.069%
182	12.258	12.251	12.288	VV	204	3469	0.07%	0.017%
183	12.302	12.288	12.321	VV	203	3378	0.07%	0.017%
184	12.350	12.321	12.374	VV	538	12181	0.26%	0.060%
185	12.411	12.374	12.443	VV	1852	34525	0.72%	0.169%
186	12.454	12.443	12.501	VV	426	10374	0.22%	0.051%
187	12.516	12.501	12.538	VV	393	6498	0.14%	0.032%
188	12.553	12.538	12.572	VV	359	6122	0.13%	0.030%
189	12.578	12.572	12.591	VV	334	2871	0.06%	0.014%
190	12.635	12.591	12.666	VV	637	17456	0.37%	0.085%
191	12.706	12.666	12.729	VV	486	12679	0.27%	0.062%
192	12.751	12.729	12.762	VV	395	5370	0.11%	0.026%
193	12.784	12.762	12.810	VV	674	12601	0.26%	0.062%
194	12.829	12.810	12.841	VV	458	7403	0.16%	0.036%

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195	12.869	12.841	12.888	VV	650	14166	0.30%	0.069%
196	12.906	12.888	12.941	VV	851	15778	0.33%	0.077%
197	12.995	12.941	13.021	VV	1336	25246	0.53%	0.124%
198	13.054	13.021	13.104	VV	4183	57779	1.21%	0.283%
199	13.118	13.104	13.128	VV	244	2764	0.06%	0.014%
200	13.135	13.128	13.150	VV	227	2677	0.06%	0.013%
201	13.172	13.150	13.235	VV	462	10472	0.22%	0.051%
202	13.328	13.235	13.356	PV	502	14641	0.31%	0.072%
203	13.373	13.356	13.389	VV	259	4356	0.09%	0.021%
204	13.457	13.389	13.467	VV	782	18666	0.39%	0.091%
205	13.505	13.467	13.643	VV	391229	4764447	100.00%	23.326%
206	13.668	13.643	13.764	VV	2683	66559	1.40%	0.326%
207	13.777	13.764	13.824	VV	354	10146	0.21%	0.050%
208	13.941	13.824	13.982	VV	555	29545	0.62%	0.145%
209	14.011	13.982	14.041	VV	376	9241	0.19%	0.045%
210	14.049	14.041	14.084	VV	334	7049	0.15%	0.035%
211	14.109	14.084	14.152	VV	530	13481	0.28%	0.066%
212	14.205	14.152	14.230	VV	1174	22936	0.48%	0.112%
213	14.257	14.230	14.344	VV	3149	51962	1.09%	0.254%
214	14.357	14.344	14.371	VV	165	2268	0.05%	0.011%
215	14.387	14.371	14.448	VV	130	3335	0.07%	0.016%
216	14.475	14.448	14.517	VV	305	7562	0.16%	0.037%
217	14.548	14.517	14.579	VV	217	4976	0.10%	0.024%
218	14.590	14.579	14.603	VV	242	1810	0.04%	0.009%
219	14.635	14.603	14.656	VV	365	7051	0.15%	0.035%
220	14.696	14.656	14.724	VV	1328	23511	0.49%	0.115%
221	14.733	14.724	14.742	VV	260	2828	0.06%	0.014%
222	14.771	14.742	14.792	VV	454	9219	0.19%	0.045%
223	14.821	14.792	14.873	VV	2040	32124	0.67%	0.157%
224	14.892	14.873	14.901	VV	229	3203	0.07%	0.016%
225	14.908	14.901	14.936	VV	217	3660	0.08%	0.018%
226	14.948	14.936	14.968	VV	277	4068	0.09%	0.020%
227	14.971	14.968	15.005	VV	253	2981	0.06%	0.015%
228	15.026	15.005	15.038	PV	232	2510	0.05%	0.012%
229	15.046	15.038	15.058	VV	123	969	0.02%	0.005%
230	15.083	15.058	15.107	VV	294	4247	0.09%	0.021%
231	15.142	15.107	15.160	VV	418	7703	0.16%	0.038%
232	15.173	15.160	15.188	VV	289	3169	0.07%	0.016%
233	15.219	15.188	15.274	VV	232	5276	0.11%	0.026%
234	15.318	15.274	15.335	VV	957	15397	0.32%	0.075%
235	15.362	15.335	15.423	VV	3630	59762	1.25%	0.293%
236	15.433	15.423	15.458	VV	217	3020	0.06%	0.015%
237	15.468	15.458	15.487	VV	183	1965	0.04%	0.010%
238	15.522	15.487	15.541	VV	206	3653	0.08%	0.018%
239	15.559	15.541	15.598	VV	218	4291	0.09%	0.021%
240	15.609	15.598	15.618	VV	144	985	0.02%	0.005%
241	15.629	15.618	15.651	VV	85	1080	0.02%	0.005%
242	15.701	15.651	15.724	PV	160	2935	0.06%	0.014%
243	15.780	15.724	15.814	VV	257	6978	0.15%	0.034%
244	15.847	15.814	15.857	VV	344	5259	0.11%	0.026%
245	15.884	15.857	15.938	VV	3571	51671	1.08%	0.253%
246	15.941	15.938	15.954	VV	205	1149	0.02%	0.006%

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247	15.980	15.954	15.991	VV	130	2005	0.04%	0.010%
248	16.032	15.991	16.042	PV	108	2160	0.05%	0.011%
249	16.059	16.042	16.116	VV	175	3260	0.07%	0.016%
250	16.213	16.116	16.258	VV	217	9566	0.20%	0.047%
251	16.262	16.258	16.274	VV	220	1397	0.03%	0.007%
252	16.280	16.274	16.307	VV	145	1553	0.03%	0.008%
253	16.347	16.307	16.363	PV	841	11948	0.25%	0.058%
254	16.386	16.363	16.471	VV	3572	54552	1.14%	0.267%
255	16.521	16.471	16.544	VV	187	4679	0.10%	0.023%
256	16.603	16.544	16.651	VV	177	7054	0.15%	0.035%
257	16.700	16.651	16.758	PV	457	12610	0.26%	0.062%
258	16.768	16.758	16.791	VV	174	2014	0.04%	0.010%
259	16.870	16.791	16.981	PV	7271	110732	2.32%	0.542%
260	17.041	16.981	17.071	VV	345	8646	0.18%	0.042%
261	17.104	17.071	17.128	VV	202	4914	0.10%	0.024%
262	17.175	17.128	17.192	VV	218	4523	0.09%	0.022%
263	17.221	17.192	17.243	PV	389	6418	0.13%	0.031%
264	17.339	17.243	17.392	VV	4811	91216	1.91%	0.447%
265	17.499	17.392	17.534	VV	152	9704	0.20%	0.048%
266	17.631	17.534	17.654	PV	259	7514	0.16%	0.037%
267	17.679	17.654	17.698	PV	222	3751	0.08%	0.018%
268	17.790	17.698	17.848	VV	18227	268913	5.64%	1.317%
269	17.881	17.848	17.897	VV	227	4274	0.09%	0.021%
270	18.019	17.897	18.038	PV	194	10166	0.21%	0.050%
271	18.079	18.038	18.095	VV	171	4203	0.09%	0.021%
272	18.119	18.095	18.135	PV	214	3135	0.07%	0.015%
273	18.229	18.135	18.271	PV	5607	94945	1.99%	0.465%
274	18.395	18.271	18.461	VV	445	25741	0.54%	0.126%
275	18.499	18.461	18.521	PV	352	6040	0.13%	0.030%
276	18.651	18.521	18.698	PV	31811	434904	9.13%	2.129%
277	18.916	18.698	18.931	PV	492	23711	0.50%	0.116%
278	18.981	18.931	19.004	VV	658	17254	0.36%	0.084%
279	19.062	19.004	19.111	VV	5745	95241	2.00%	0.466%
280	19.320	19.111	19.337	PV	495	11645	0.24%	0.057%
281	19.399	19.337	19.417	VV	1201	22152	0.46%	0.108%
282	19.459	19.417	19.500	VV	16527	260567	5.47%	1.276%
283	19.648	19.500	19.674	VV	1757	101151	2.12%	0.495%
284	19.847	19.674	19.881	VV	5963	289824	6.08%	1.419%
285	20.222	19.881	20.251	VV	9347	950977	19.96%	4.656%
286	20.589	20.251	20.614	VV	11696	1652711	34.69%	8.092%
287	20.957	20.614	20.978	VV	14103	2455249	51.53%	12.021%
288	21.049	20.978	21.226	VV	15875	1949981	40.93%	9.547%
289	21.259	21.226	21.291	VV	10171	395121	8.29%	1.934%
290	21.359	21.291	21.638	VV	12552	1741785	36.56%	8.528%
291	21.732	21.638	21.798	VV	6344	582267	12.22%	2.851%
292	21.816	21.798	21.934	VV	5488	377696	7.93%	1.849%
293	21.950	21.934	21.990	VV	3828	122787	2.58%	0.601%
294	22.131	21.990	22.281	VV	3093	433933	9.11%	2.125%
295	22.339	22.281	22.411	VV	5931	166744	3.50%	0.816%

Sum of corrected areas: 20425059

Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
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
10/02/25 09:05	10/02/25 19:35	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.25	J	1	0.17	1.18	mg/kg	FE056156.D
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	1	0.13	0.79	mg/kg	FE056156.D
Aliphatic C16-C21	Aliphatic C16-C21	0.33	J	1	0.15	1.18	mg/kg	FE056156.D
Aliphatic C21-C28	Aliphatic C21-C28	0.63	U	1	0.63	1.57	mg/kg	FE056156.D
Aliphatic C28-C40	Aliphatic C28-C40	7.29		1	1.39	2.36	mg/kg	FE056156.D
Aromatic C10-C12	Aromatic C10-C12	0.22	J	1	0.14	0.79	mg/kg	FD049807.D
Aromatic C12-C16	Aromatic C12-C16	0.30	J	1	0.27	1.18	mg/kg	FD049807.D
Aromatic C16-C21	Aromatic C16-C21	1.49	J	1	0.47	1.97	mg/kg	FD049807.D
Aromatic C21-C36	Aromatic C21-C36	1.40	U	1	1.40	3.15	mg/kg	FD049807.D
Total AliphaticEPH	Total AliphaticEPH	8.23			2.46	7.08	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.29	U		2.29	7.09	mg/kg	
Total EPH	Total EPH	10.2	J		4.75	14.2	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:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
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
FD049807.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.22	J	0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.30	J	0.27	1.18	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.49	J	0.47	1.97	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.40	U	1.40	3.15	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.6		40 - 140	95%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.1		40 - 140	42%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3257-02	Acq On:	02 Oct 2025 21:44
Client Sample ID:	ENV2-6FT	Operator:	YP/AJ
Data file:	FD049807.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	344049	2.802	200	ug/ml
Aromatic C12-C16	6.132	8.759	548015	3.823	300	ug/ml
Aromatic C16-C21	8.760	13.049	2694138	18.95	500	ug/ml
Aromatic C21-C36	13.050	18.468	1565812	12.646	800	ug/ml
Aromatic EPH	4.389	18.468	5152014	38.22		ug/ml
2-Bromonaphthalene (SURRE)	7.698	7.698	5656632	47.61		ug/ml
2-Fluorobiphenyl (SURRE)	8.563	8.563	4038060	47.56		ug/ml
ortho-Terphenyl (SURRE)	11.606	11.606	3155571	21.14		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049807.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 21:44
 Operator : YP/AJ
 Sample : Q3257-02
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 ENV2-6FT

Integration File: autoint1.e
 Quant Time: Oct 03 06:19:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.698	5656632	47.609 ug/ml
Spiked Amount 50.000		Recovery =	95.22%
6) S 2-Fluorobiphenyl (SURR)	8.563	4038060	47.562 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	95.12%
11) S ortho-Terphenyl (SURR)	11.606	3155571	21.138 ug/ml
Spiked Amount 50.000		Recovery =	42.28%

Target Compounds

(f)=RT Delta > 1/2 Window

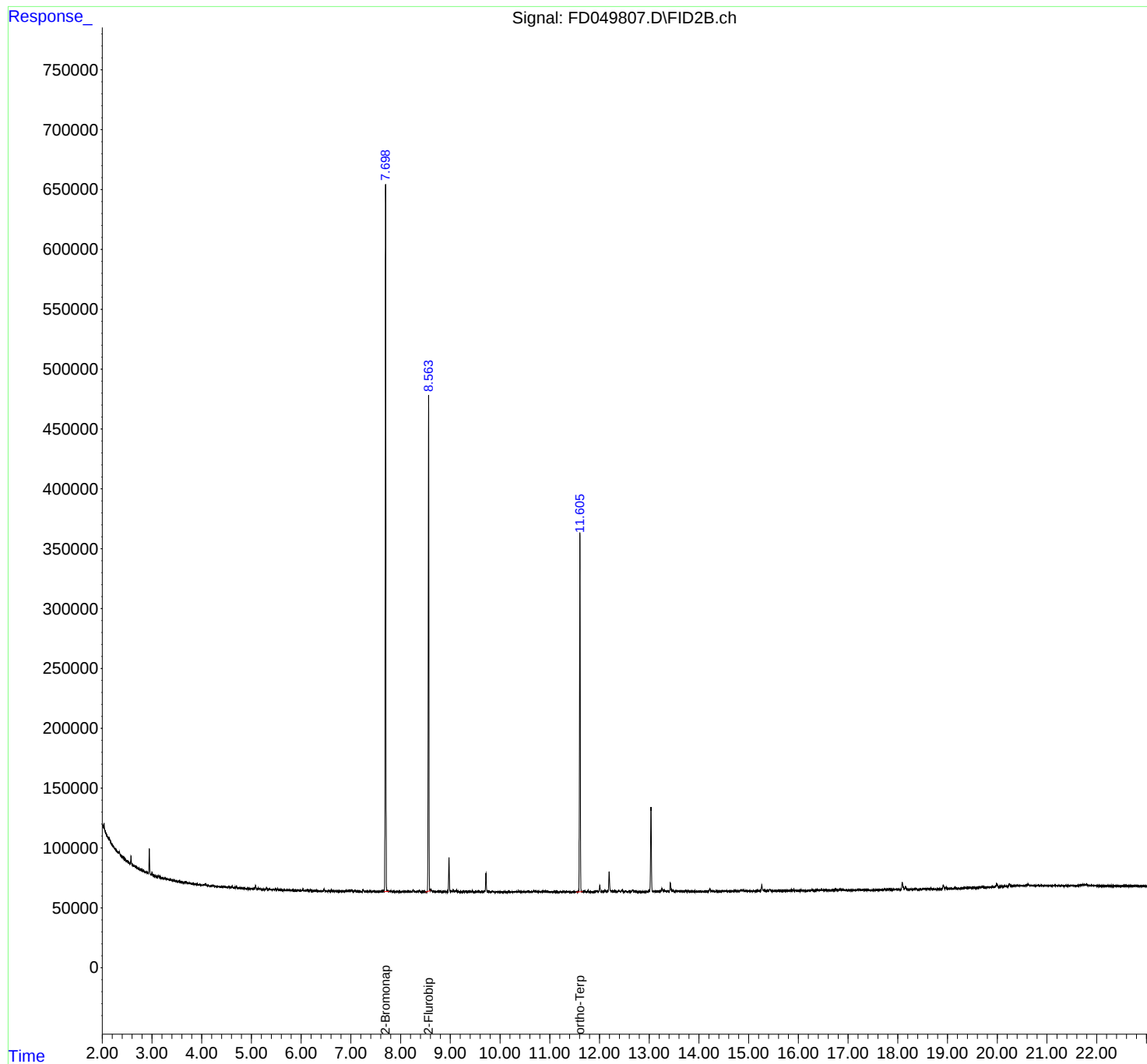
(m)=manual int.

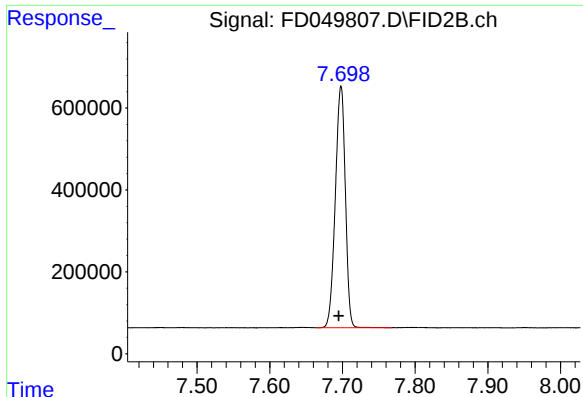
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049807.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 21:44
Operator : YP/AJ
Sample : Q3257-02
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV2-6FT

Integration File: autoint1.e
Quant Time: Oct 03 06:19:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

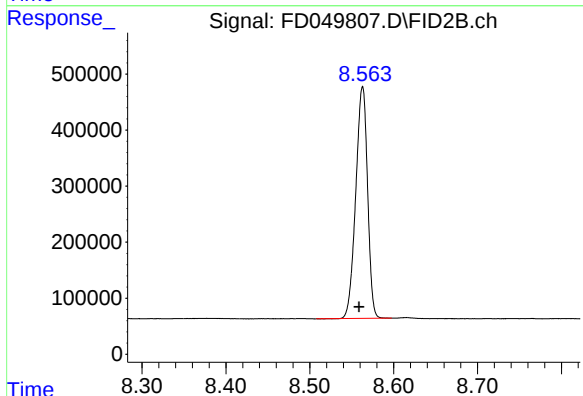




#4 2-Bromonaphthalene (SURRE)

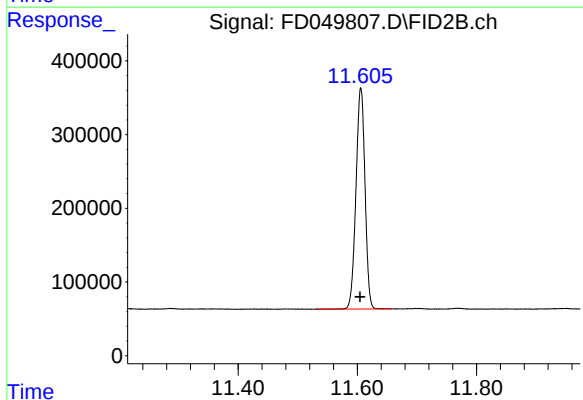
R.T.: 7.698 min
Delta R.T.: 0.003 min
Response: 5656632
Conc: 47.61 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV2-6FT



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.563 min
Delta R.T.: 0.004 min
Response: 4038060
Conc: 47.56 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.606 min
Delta R.T.: 0.001 min
Response: 3155571
Conc: 21.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049807.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 21:44
Sample : Q3257-02
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.333	4.324	4.372	PV	145	4059	0.07%	0.022%
2	4.374	4.372	4.392	VV	237	2596	0.05%	0.014%
3	4.397	4.392	4.423	VV	322	4015	0.07%	0.022%
4	4.448	4.423	4.505	PV	1314	20888	0.37%	0.115%
5	4.545	4.505	4.587	VV	1279	23188	0.41%	0.128%
6	4.594	4.587	4.599	VV	736	4362	0.08%	0.024%
7	4.616	4.599	4.645	VV	1313	17136	0.30%	0.095%
8	4.649	4.645	4.657	VV	249	1257	0.02%	0.007%
9	4.671	4.657	4.689	VV	917	10266	0.18%	0.057%
10	4.702	4.689	4.722	VV	1882	16855	0.30%	0.093%
11	4.728	4.722	4.741	VV	263	2073	0.04%	0.011%
12	4.757	4.741	4.774	PV	513	5060	0.09%	0.028%
13	4.784	4.774	4.829	VV	455	10942	0.19%	0.060%
14	4.835	4.829	4.846	VV	338	2516	0.04%	0.014%
15	4.865	4.846	4.877	VV	332	3569	0.06%	0.020%
16	4.893	4.877	4.906	VV	314	3304	0.06%	0.018%
17	4.920	4.906	4.936	VV	397	2919	0.05%	0.016%
18	4.980	4.964	4.986	VV	267	1885	0.03%	0.010%
19	5.010	4.986	5.016	VV	276	2754	0.05%	0.015%
20	5.057	5.022	5.065	PV	736	8196	0.14%	0.045%
21	5.083	5.065	5.122	VV	3329	38114	0.67%	0.211%
22	5.138	5.122	5.162	VV	799	10081	0.18%	0.056%
23	5.172	5.162	5.233	VV	535	8679	0.15%	0.048%
24	5.255	5.252	5.278	VV	111	1966	0.03%	0.011%
25	5.303	5.278	5.349	VV	1977	22613	0.40%	0.125%
26	5.360	5.355	5.400	VV	300	4862	0.09%	0.027%
27	5.404	5.400	5.425	VV	188	2155	0.04%	0.012%
28	5.446	5.425	5.471	VV	610	7603	0.13%	0.042%
29	5.483	5.471	5.498	VV	914	8179	0.14%	0.045%
30	5.502	5.498	5.507	VV	300	1132	0.02%	0.006%
31	5.526	5.507	5.543	VV	1126	11634	0.20%	0.064%
32	5.558	5.543	5.574	PV	292	2699	0.05%	0.015%
33	5.582	5.574	5.606	VV	324	3366	0.06%	0.019%
34	5.613	5.606	5.622	VV	263	1442	0.03%	0.008%
35	5.669	5.622	5.707	PV	502	10290	0.18%	0.057%
36	5.713	5.707	5.721	VV	215	1363	0.02%	0.008%

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37	5.726	5.721	5.740	VV	232	1375	0.02%	0.008%
38	5.771	5.756	5.812	PV	302	5990	0.11%	0.033%
39	5.821	5.812	5.832	VV	303	2194	0.04%	0.012%
40	5.839	5.832	5.859	VV	323	2353	0.04%	0.013%
41	5.866	5.859	5.879	VV	192	1446	0.03%	0.008%
42	5.886	5.879	5.894	VV	356	1507	0.03%	0.008%
43	5.906	5.894	5.916	VV	219	1746	0.03%	0.010%
44	5.928	5.916	5.934	VV	232	1726	0.03%	0.010%
45	5.941	5.934	5.962	VV	272	3120	0.05%	0.017%
46	5.979	5.962	5.991	VV	483	4731	0.08%	0.026%
47	6.000	5.991	6.018	VV	317	3609	0.06%	0.020%
48	6.035	6.018	6.055	VV	1317	14930	0.26%	0.082%
49	6.061	6.055	6.065	VV	276	1284	0.02%	0.007%
50	6.079	6.065	6.108	VV	502	8126	0.14%	0.045%
51	6.122	6.108	6.165	VV	861	12549	0.22%	0.069%
52	6.183	6.165	6.204	VV	793	11075	0.19%	0.061%
53	6.209	6.204	6.232	VV	283	2886	0.05%	0.016%
54	6.235	6.232	6.242	VV	299	1409	0.02%	0.008%
55	6.252	6.242	6.288	VV	351	5578	0.10%	0.031%
56	6.315	6.288	6.337	PV	764	9648	0.17%	0.053%
57	6.347	6.337	6.354	VV	242	1418	0.02%	0.008%
58	6.370	6.367	6.400	VV	127	2430	0.04%	0.013%
59	6.422	6.408	6.435	VV	209	2065	0.04%	0.011%
60	6.462	6.435	6.492	VV	1946	25022	0.44%	0.138%
61	6.508	6.492	6.519	VV	236	1553	0.03%	0.009%
62	6.525	6.519	6.533	VV	210	1514	0.03%	0.008%
63	6.544	6.533	6.568	VV	548	6047	0.11%	0.033%
64	6.584	6.568	6.597	VV	466	5124	0.09%	0.028%
65	6.611	6.597	6.633	VV	1004	10013	0.18%	0.055%
66	6.646	6.633	6.651	VV	293	2006	0.04%	0.011%
67	6.655	6.651	6.671	VV	219	2023	0.04%	0.011%
68	6.685	6.671	6.700	VV	695	6231	0.11%	0.034%
69	6.711	6.700	6.722	VV	252	2467	0.04%	0.014%
70	6.725	6.722	6.744	VV	444	2491	0.04%	0.014%
71	6.784	6.767	6.797	VV	286	3195	0.06%	0.018%
72	6.804	6.797	6.809	VV	172	1172	0.02%	0.006%
73	6.828	6.820	6.861	VV	419	6686	0.12%	0.037%
74	6.865	6.861	6.879	VV	375	2457	0.04%	0.014%
75	6.905	6.879	6.935	VV	618	12905	0.23%	0.071%
76	6.960	6.935	6.990	VV	924	21061	0.37%	0.116%
77	7.007	6.990	7.056	VV	855	20926	0.37%	0.116%
78	7.086	7.056	7.113	VV	1023	16423	0.29%	0.091%
79	7.123	7.113	7.128	VV	228	1691	0.03%	0.009%
80	7.139	7.128	7.155	VV	398	4293	0.08%	0.024%
81	7.168	7.155	7.178	VV	305	3103	0.05%	0.017%
82	7.191	7.178	7.197	VV	295	2693	0.05%	0.015%
83	7.200	7.197	7.221	VV	334	2132	0.04%	0.012%
84	7.246	7.221	7.282	VV	1896	24367	0.43%	0.135%
85	7.300	7.290	7.313	VV	413	3894	0.07%	0.022%
86	7.319	7.313	7.324	VV	330	1709	0.03%	0.009%
87	7.328	7.324	7.338	VV	386	2001	0.04%	0.011%
88	7.352	7.338	7.366	VV	384	4091	0.07%	0.023%
89	7.383	7.366	7.402	VV	1045	10306	0.18%	0.057%

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90	7.420	7.410	7.433	VV	311	2741	0.05%	0.015%
91	7.450	7.433	7.459	VV	548	5734	0.10%	0.032%
92	7.480	7.459	7.511	VV	559	9495	0.17%	0.052%
93	7.519	7.511	7.524	VV	201	1060	0.02%	0.006%
94	7.539	7.524	7.570	VV	420	6356	0.11%	0.035%
95	7.589	7.583	7.596	VV	265	1566	0.03%	0.009%
96	7.616	7.596	7.627	VV	487	6358	0.11%	0.035%
97	7.645	7.627	7.665	VV	997	15002	0.26%	0.083%
98	7.698	7.665	7.775	VV	591621	5681379	100.00%	31.391%
99	7.802	7.775	7.832	VV	988	21717	0.38%	0.120%
100	7.840	7.832	7.848	VV	341	2634	0.05%	0.015%
101	7.852	7.848	7.855	VV	353	1302	0.02%	0.007%
102	7.860	7.855	7.865	VV	407	1856	0.03%	0.010%
103	7.872	7.865	7.886	VV	448	3607	0.06%	0.020%
104	7.900	7.886	7.937	VV	434	7475	0.13%	0.041%
105	7.950	7.937	7.975	VV	664	8578	0.15%	0.047%
106	8.006	7.975	8.022	PV	550	8916	0.16%	0.049%
107	8.033	8.022	8.069	VV	561	10911	0.19%	0.060%
108	8.077	8.069	8.082	VV	306	2042	0.04%	0.011%
109	8.085	8.082	8.108	VV	339	3576	0.06%	0.020%
110	8.132	8.108	8.142	VV	478	7727	0.14%	0.043%
111	8.154	8.142	8.160	VV	797	7216	0.13%	0.040%
112	8.162	8.160	8.174	VV	784	4367	0.08%	0.024%
113	8.188	8.174	8.203	VV	520	6328	0.11%	0.035%
114	8.208	8.203	8.213	VV	333	1907	0.03%	0.011%
115	8.220	8.213	8.225	VV	357	2263	0.04%	0.013%
116	8.254	8.225	8.292	VV	2172	34824	0.61%	0.192%
117	8.297	8.292	8.302	VV	392	1540	0.03%	0.009%
118	8.320	8.302	8.333	VV	437	5748	0.10%	0.032%
119	8.378	8.333	8.428	VV	889	30343	0.53%	0.168%
120	8.450	8.428	8.462	VV	418	6139	0.11%	0.034%
121	8.467	8.462	8.473	VV	325	1984	0.03%	0.011%
122	8.479	8.473	8.482	VV	436	1803	0.03%	0.010%
123	8.490	8.482	8.516	VV	494	5757	0.10%	0.032%
124	8.563	8.516	8.600	VV	415615	4079358	71.80%	22.540%
125	8.615	8.600	8.644	VV	2291	35067	0.62%	0.194%
126	8.648	8.644	8.702	VV	567	14973	0.26%	0.083%
127	8.712	8.702	8.728	VV	540	6522	0.11%	0.036%
128	8.739	8.728	8.750	VV	530	6476	0.11%	0.036%
129	8.765	8.750	8.777	VV	728	7975	0.14%	0.044%
130	8.793	8.777	8.800	VV	534	5765	0.10%	0.032%
131	8.802	8.800	8.805	VV	562	1489	0.03%	0.008%
132	8.809	8.805	8.824	VV	558	4962	0.09%	0.027%
133	8.829	8.824	8.845	VV	286	2942	0.05%	0.016%
134	8.857	8.845	8.864	VV	367	3117	0.05%	0.017%
135	8.880	8.864	8.890	VV	605	7061	0.12%	0.039%
136	8.905	8.890	8.919	VV	517	7175	0.13%	0.040%
137	8.927	8.919	8.945	VV	461	5984	0.11%	0.033%
138	8.973	8.945	9.007	VV	29048	298536	5.25%	1.649%
139	9.011	9.007	9.022	VV	955	7998	0.14%	0.044%
140	9.027	9.022	9.037	VV	803	6046	0.11%	0.033%
141	9.054	9.037	9.076	VV	1993	27543	0.48%	0.152%

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142	9.091	9.076	9.110	VV	1424	21266	0.37%	0.118%
143	9.125	9.110	9.148	VV	1691	23280	0.41%	0.129%
144	9.167	9.148	9.190	VV	539	7788	0.14%	0.043%
145	9.197	9.190	9.205	VV	330	2243	0.04%	0.012%
146	9.210	9.205	9.217	VV	445	2037	0.04%	0.011%
147	9.223	9.217	9.230	VV	332	1725	0.03%	0.010%
148	9.261	9.230	9.292	VV	765	16297	0.29%	0.090%
149	9.306	9.292	9.340	VV	838	14293	0.25%	0.079%
150	9.363	9.340	9.381	VV	613	10141	0.18%	0.056%
151	9.385	9.381	9.390	VV	448	2118	0.04%	0.012%
152	9.402	9.390	9.416	VV	507	6602	0.12%	0.036%
153	9.438	9.416	9.473	VV	1054	20050	0.35%	0.111%
154	9.480	9.473	9.500	VV	442	5267	0.09%	0.029%
155	9.516	9.500	9.539	VV	560	9994	0.18%	0.055%
156	9.542	9.539	9.550	VV	472	2840	0.05%	0.016%
157	9.553	9.550	9.563	VV	512	3179	0.06%	0.018%
158	9.582	9.563	9.614	VV	627	14809	0.26%	0.082%
159	9.630	9.614	9.652	VV	897	11647	0.21%	0.064%
160	9.658	9.652	9.663	VV	486	2912	0.05%	0.016%
161	9.682	9.663	9.695	VV	1173	15065	0.27%	0.083%
162	9.717	9.695	9.748	VV	16065	173647	3.06%	0.959%
163	9.772	9.748	9.812	VV	648	17137	0.30%	0.095%
164	9.847	9.819	9.896	VV	1196	19905	0.35%	0.110%
165	9.919	9.896	9.927	PV	395	4798	0.08%	0.027%
166	9.935	9.927	9.967	VV	363	5671	0.10%	0.031%
167	10.004	9.967	10.036	VV	530	11811	0.21%	0.065%
168	10.040	10.036	10.065	VV	374	3821	0.07%	0.021%
169	10.075	10.065	10.112	VV	530	7746	0.14%	0.043%
170	10.115	10.112	10.126	VV	317	2160	0.04%	0.012%
171	10.130	10.126	10.139	VV	373	1757	0.03%	0.010%
172	10.145	10.139	10.160	VV	224	2694	0.05%	0.015%
173	10.167	10.160	10.171	VV	386	2236	0.04%	0.012%
174	10.182	10.171	10.210	VV	507	7477	0.13%	0.041%
175	10.215	10.210	10.224	VV	302	2013	0.04%	0.011%
176	10.245	10.224	10.256	VV	489	6820	0.12%	0.038%
177	10.275	10.256	10.302	VV	644	12082	0.21%	0.067%
178	10.309	10.302	10.325	VV	629	6859	0.12%	0.038%
179	10.331	10.325	10.338	VV	545	3106	0.05%	0.017%
180	10.341	10.338	10.348	VV	404	1837	0.03%	0.010%
181	10.371	10.348	10.390	VV	1083	14955	0.26%	0.083%
182	10.402	10.390	10.419	VV	567	7543	0.13%	0.042%
183	10.427	10.419	10.451	VV	483	7790	0.14%	0.043%
184	10.468	10.451	10.499	VV	602	14578	0.26%	0.081%
185	10.503	10.499	10.513	VV	467	3134	0.06%	0.017%
186	10.536	10.513	10.550	VV	678	11143	0.20%	0.062%
187	10.569	10.550	10.593	VV	956	19090	0.34%	0.105%
188	10.598	10.593	10.614	VV	670	5923	0.10%	0.033%
189	10.618	10.614	10.622	VV	320	1465	0.03%	0.008%
190	10.638	10.622	10.647	VV	605	6536	0.12%	0.036%
191	10.678	10.647	10.695	VV	976	19154	0.34%	0.106%
192	10.718	10.695	10.747	VV	809	19970	0.35%	0.110%
193	10.777	10.747	10.795	VV	791	14546	0.26%	0.080%
194	10.801	10.795	10.822	VV	502	6011	0.11%	0.033%

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195	10.839	10.822	10.853	VV	836	10397	0.18%	0.057%
196	10.862	10.853	10.892	VV	513	11002	0.19%	0.061%
197	10.913	10.892	10.932	VV	808	14878	0.26%	0.082%
198	10.937	10.932	10.940	VV	502	2182	0.04%	0.012%
199	10.954	10.940	10.992	VV	653	14910	0.26%	0.082%
200	10.997	10.992	11.002	VV	495	2557	0.05%	0.014%
201	11.010	11.002	11.017	VV	652	4313	0.08%	0.024%
202	11.020	11.017	11.024	VV	413	1546	0.03%	0.009%
203	11.027	11.024	11.034	VV	391	1773	0.03%	0.010%
204	11.040	11.034	11.060	VV	258	3121	0.05%	0.017%
205	11.088	11.068	11.108	VV	492	7358	0.13%	0.041%
206	11.112	11.108	11.120	VV	441	2658	0.05%	0.015%
207	11.124	11.120	11.134	VV	375	2557	0.05%	0.014%
208	11.148	11.134	11.175	VV	459	7371	0.13%	0.041%
209	11.181	11.175	11.191	VV	237	1494	0.03%	0.008%
210	11.216	11.191	11.247	VV	843	12690	0.22%	0.070%
211	11.259	11.247	11.272	VV	467	5885	0.10%	0.033%
212	11.287	11.272	11.307	VV	1069	14108	0.25%	0.078%
213	11.312	11.307	11.320	VV	352	2521	0.04%	0.014%
214	11.343	11.320	11.400	VV	574	15720	0.28%	0.087%
215	11.420	11.407	11.433	VV	306	3273	0.06%	0.018%
216	11.440	11.433	11.471	VV	270	3988	0.07%	0.022%
217	11.480	11.471	11.505	VV	460	5643	0.10%	0.031%
218	11.508	11.505	11.515	VV	276	1170	0.02%	0.006%
219	11.548	11.515	11.560	VV	344	5425	0.10%	0.030%
220	11.606	11.560	11.657	VV	299838	3179243	55.96%	17.566%
221	11.662	11.657	11.676	VV	625	6217	0.11%	0.034%
222	11.698	11.676	11.704	VV	1086	12328	0.22%	0.068%
223	11.706	11.704	11.724	VV	1027	7156	0.13%	0.040%
224	11.767	11.724	11.816	VV	1341	26905	0.47%	0.149%
225	11.826	11.816	11.845	VV	391	4797	0.08%	0.027%
226	11.853	11.845	11.870	VV	398	4175	0.07%	0.023%
227	11.874	11.870	11.879	VV	400	1519	0.03%	0.008%
228	11.889	11.879	11.896	VV	395	2488	0.04%	0.014%
229	11.907	11.896	11.918	VV	489	4714	0.08%	0.026%
230	11.949	11.918	11.981	VV	1005	23238	0.41%	0.128%
231	12.006	11.981	12.033	VV	5319	66538	1.17%	0.368%
232	12.045	12.033	12.068	VV	623	10171	0.18%	0.056%
233	12.109	12.068	12.142	VV	1474	33922	0.60%	0.187%
234	12.145	12.142	12.150	VV	543	2311	0.04%	0.013%
235	12.164	12.150	12.170	VV	766	7681	0.14%	0.042%
236	12.194	12.170	12.270	VV	17125	232300	4.09%	1.284%
237	12.276	12.270	12.282	VV	718	4507	0.08%	0.025%
238	12.285	12.282	12.299	VV	731	6544	0.12%	0.036%
239	12.306	12.299	12.327	VV	772	11227	0.20%	0.062%
240	12.330	12.327	12.349	VV	697	7661	0.13%	0.042%
241	12.361	12.349	12.365	VV	528	4688	0.08%	0.026%
242	12.394	12.365	12.421	VV	1242	27750	0.49%	0.153%
243	12.455	12.421	12.493	VV	2080	39560	0.70%	0.219%
244	12.504	12.493	12.510	VV	234	1960	0.03%	0.011%
245	12.532	12.510	12.553	VV	1031	13572	0.24%	0.075%
246	12.593	12.553	12.622	VV	1146	17109	0.30%	0.095%

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247	12.669	12.622	12.710	VV	1671	39594	0.70%	0.219%
248	12.716	12.710	12.736	VV	587	6699	0.12%	0.037%
249	12.749	12.736	12.776	VV	443	6592	0.12%	0.036%
250	12.793	12.776	12.810	VV	336	4500	0.08%	0.025%
251	12.817	12.810	12.828	VV	349	2550	0.04%	0.014%
252	12.847	12.828	12.867	VV	362	5666	0.10%	0.031%
253	12.872	12.867	12.902	VV	309	4563	0.08%	0.025%
254	12.919	12.911	12.929	VV	245	1671	0.03%	0.009%
255	12.945	12.929	12.975	PV	460	8924	0.16%	0.049%
256	12.991	12.975	13.008	VV	1250	16236	0.29%	0.090%
257	13.036	13.008	13.067	VV	71220	832004	14.64%	4.597%
258	13.075	13.067	13.090	VV	536	5920	0.10%	0.033%
259	13.106	13.090	13.135	VV	526	10454	0.18%	0.058%
260	13.140	13.135	13.147	VV	350	2337	0.04%	0.013%
261	13.160	13.147	13.170	VV	440	4388	0.08%	0.024%
262	13.208	13.170	13.227	VV	476	12869	0.23%	0.071%
263	13.257	13.227	13.291	VV	3014	53537	0.94%	0.296%
264	13.297	13.291	13.306	VV	927	7578	0.13%	0.042%
265	13.311	13.306	13.357	VV	1014	19853	0.35%	0.110%
266	13.369	13.357	13.387	VV	570	7542	0.13%	0.042%
267	13.392	13.387	13.398	VV	439	2447	0.04%	0.014%
268	13.426	13.398	13.474	VV	7586	115411	2.03%	0.638%
269	13.479	13.474	13.506	VV	923	13650	0.24%	0.075%
270	13.515	13.506	13.530	VV	534	6608	0.12%	0.037%
271	13.550	13.530	13.565	VV	626	10551	0.19%	0.058%
272	13.574	13.565	13.581	VV	578	5281	0.09%	0.029%
273	13.586	13.581	13.604	VV	673	7520	0.13%	0.042%
274	13.610	13.604	13.637	VV	549	8322	0.15%	0.046%
275	13.653	13.637	13.686	VV	795	18023	0.32%	0.100%
276	13.705	13.686	13.721	VV	558	9226	0.16%	0.051%
277	13.736	13.721	13.764	VV	1193	16150	0.28%	0.089%
278	13.788	13.764	13.822	VV	1117	16494	0.29%	0.091%
279	13.830	13.822	13.842	PV	236	1692	0.03%	0.009%
280	13.860	13.842	13.885	VV	406	5965	0.10%	0.033%
281	13.906	13.894	13.927	VV	430	5700	0.10%	0.031%
282	13.942	13.927	13.988	VV	351	8528	0.15%	0.047%
283	14.040	13.988	14.046	VV	376	7189	0.13%	0.040%
284	14.059	14.046	14.067	VV	387	2595	0.05%	0.014%
285	14.077	14.067	14.096	VV	245	1832	0.03%	0.010%
286	14.124	14.096	14.142	VV	262	4847	0.09%	0.027%
287	14.151	14.142	14.161	VV	231	1587	0.03%	0.009%
288	14.173	14.161	14.191	VV	347	3738	0.07%	0.021%
289	14.221	14.191	14.247	VV	2712	36577	0.64%	0.202%
290	14.256	14.247	14.270	VV	429	4313	0.08%	0.024%
291	14.277	14.270	14.289	VV	499	3113	0.05%	0.017%
292	14.294	14.289	14.302	VV	281	1694	0.03%	0.009%
293	14.307	14.302	14.321	VV	353	2058	0.04%	0.011%
294	14.347	14.321	14.378	VV	518	9140	0.16%	0.051%
295	14.385	14.378	14.396	VV	337	2626	0.05%	0.015%
296	14.402	14.396	14.412	VV	282	2816	0.05%	0.016%
297	14.419	14.412	14.430	VV	278	2874	0.05%	0.016%
298	14.442	14.430	14.449	VV	415	3560	0.06%	0.020%
299	14.523	14.449	14.542	VV	852	27505	0.48%	0.152%

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300	14.562	14.542	14.580	VV	828	9982	0.18%	0.055%
301	14.599	14.591	14.604	VV	274	1447	0.03%	0.008%
302	14.609	14.604	14.615	VV	280	1410	0.02%	0.008%
303	14.640	14.615	14.649	VV	407	4997	0.09%	0.028%
304	14.656	14.649	14.668	VV	342	3514	0.06%	0.019%
305	14.692	14.668	14.702	VV	437	6430	0.11%	0.036%
306	14.726	14.702	14.774	VV	521	15543	0.27%	0.086%
307	14.778	14.774	14.797	VV	436	3933	0.07%	0.022%
308	14.800	14.797	14.805	VV	356	1084	0.02%	0.006%
309	14.828	14.805	14.833	VV	809	8856	0.16%	0.049%
310	14.859	14.833	14.871	VV	1083	21316	0.38%	0.118%
311	14.886	14.871	14.923	VV	1151	21955	0.39%	0.121%
312	14.932	14.923	14.995	VV	729	13862	0.24%	0.077%
313	15.011	14.995	15.015	VV	382	3418	0.06%	0.019%
314	15.020	15.015	15.039	VV	464	3742	0.07%	0.021%
315	15.059	15.039	15.075	PV	474	5799	0.10%	0.032%
316	15.085	15.075	15.092	VV	311	2278	0.04%	0.013%
317	15.094	15.092	15.102	VV	269	1406	0.02%	0.008%
318	15.107	15.102	15.129	VV	285	3412	0.06%	0.019%
319	15.148	15.129	15.165	VV	384	5326	0.09%	0.029%
320	15.182	15.165	15.188	VV	570	4577	0.08%	0.025%
321	15.193	15.188	15.200	VV	426	2048	0.04%	0.011%
322	15.205	15.200	15.215	VV	260	1981	0.03%	0.011%
323	15.264	15.215	15.344	VV	4876	97401	1.71%	0.538%
324	15.355	15.344	15.361	VV	361	3160	0.06%	0.017%
325	15.366	15.361	15.382	VV	363	3954	0.07%	0.022%
326	15.423	15.382	15.456	VV	1763	34316	0.60%	0.190%
327	15.463	15.456	15.488	VV	414	5671	0.10%	0.031%
328	15.497	15.488	15.502	VV	310	2021	0.04%	0.011%
329	15.509	15.502	15.529	VV	333	3831	0.07%	0.021%
330	15.550	15.529	15.559	VV	381	5248	0.09%	0.029%
331	15.567	15.559	15.581	VV	352	3910	0.07%	0.022%
332	15.588	15.581	15.600	VV	390	3691	0.06%	0.020%
333	15.606	15.600	15.610	VV	294	1353	0.02%	0.007%
334	15.628	15.610	15.649	VV	500	7740	0.14%	0.043%
335	15.653	15.649	15.662	VV	353	2128	0.04%	0.012%
336	15.677	15.662	15.689	VV	370	4062	0.07%	0.022%
337	15.706	15.689	15.729	VV	369	7288	0.13%	0.040%
338	15.734	15.729	15.745	VV	381	2449	0.04%	0.014%
339	15.775	15.745	15.791	VV	494	8812	0.16%	0.049%
340	15.795	15.791	15.802	VV	256	1465	0.03%	0.008%
341	15.829	15.802	15.833	VV	426	6165	0.11%	0.034%
342	15.837	15.833	15.847	VV	504	3287	0.06%	0.018%
343	15.867	15.847	15.884	VV	733	10650	0.19%	0.059%
344	15.906	15.884	15.925	VV	1063	14374	0.25%	0.079%
345	15.937	15.925	15.944	VV	391	3632	0.06%	0.020%
346	15.948	15.944	15.954	VV	364	1808	0.03%	0.010%
347	15.957	15.954	15.976	VV	394	3804	0.07%	0.021%
348	15.982	15.976	15.990	VV	263	1502	0.03%	0.008%
349	15.994	15.990	16.007	VV	193	1796	0.03%	0.010%
350	16.017	16.007	16.023	VV	345	2318	0.04%	0.013%
351	16.054	16.023	16.082	VV	578	12476	0.22%	0.069%

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352	16.087	16.082	16.102	VV	410	3705	0.07%	0.020%
353	16.106	16.102	16.151	VV	247	2928	0.05%	0.016%
354	16.157	16.151	16.168	VV	231	1509	0.03%	0.008%
355	16.176	16.168	16.182	VV	253	1470	0.03%	0.008%
356	16.210	16.182	16.219	VV	384	5966	0.11%	0.033%
357	16.223	16.219	16.244	VV	295	3276	0.06%	0.018%
358	16.272	16.244	16.279	VV	1036	11223	0.20%	0.062%
359	16.281	16.279	16.310	VV	824	7939	0.14%	0.044%
360	16.321	16.310	16.326	VV	200	1650	0.03%	0.009%
361	16.341	16.326	16.347	VV	466	4066	0.07%	0.022%
362	16.355	16.347	16.359	VV	433	2847	0.05%	0.016%
363	16.382	16.359	16.388	VV	785	10596	0.19%	0.059%
364	16.396	16.388	16.423	VV	878	14655	0.26%	0.081%
365	16.428	16.423	16.447	VV	553	6045	0.11%	0.033%
366	16.467	16.447	16.504	VV	1393	24468	0.43%	0.135%
367	16.524	16.504	16.549	VV	822	15633	0.28%	0.086%
368	16.554	16.549	16.568	VV	590	5172	0.09%	0.029%
369	16.575	16.568	16.600	VV	455	7021	0.12%	0.039%
370	16.605	16.600	16.610	VV	333	1902	0.03%	0.011%
371	16.613	16.610	16.624	VV	408	2734	0.05%	0.015%
372	16.631	16.624	16.640	VV	383	2406	0.04%	0.013%
373	16.660	16.640	16.684	VV	394	7898	0.14%	0.044%
374	16.687	16.684	16.691	VV	421	1646	0.03%	0.009%
375	16.701	16.691	16.718	VV	442	5904	0.10%	0.033%
376	16.752	16.718	16.788	VV	1366	31012	0.55%	0.171%
377	16.812	16.788	16.836	VV	895	18108	0.32%	0.100%
378	16.850	16.836	16.877	VV	882	14869	0.26%	0.082%
379	16.903	16.877	16.923	VV	1032	17364	0.31%	0.096%
380	16.934	16.923	16.967	VV	472	8667	0.15%	0.048%
381	16.969	16.967	16.986	VV	391	2822	0.05%	0.016%
382	17.007	16.986	17.027	VV	342	5753	0.10%	0.032%
383	17.034	17.027	17.043	VV	394	2520	0.04%	0.014%
384	17.056	17.043	17.063	VV	251	1993	0.04%	0.011%
385	17.069	17.063	17.074	VV	261	1046	0.02%	0.006%
386	17.129	17.088	17.135	VV	475	7496	0.13%	0.041%
387	17.140	17.135	17.163	VV	379	4214	0.07%	0.023%
388	17.190	17.163	17.196	VV	614	8952	0.16%	0.049%
389	17.212	17.196	17.233	VV	758	14144	0.25%	0.078%
390	17.245	17.233	17.259	VV	616	7202	0.13%	0.040%
391	17.266	17.259	17.270	VV	398	2239	0.04%	0.012%
392	17.275	17.270	17.281	VV	442	2351	0.04%	0.013%
393	17.299	17.281	17.334	VV	856	15882	0.28%	0.088%
394	17.349	17.334	17.362	VV	468	5399	0.10%	0.030%
395	17.377	17.370	17.399	VV	369	5347	0.09%	0.030%
396	17.410	17.399	17.444	VV	510	8803	0.15%	0.049%
397	17.450	17.444	17.457	VV	231	1103	0.02%	0.006%
398	17.477	17.457	17.485	VV	305	3079	0.05%	0.017%
399	17.493	17.485	17.497	VV	277	1184	0.02%	0.007%
400	17.527	17.497	17.542	PV	471	5647	0.10%	0.031%
401	17.552	17.542	17.557	VV	171	1541	0.03%	0.009%
402	17.564	17.557	17.577	VV	214	1822	0.03%	0.010%
403	17.580	17.577	17.585	VV	240	1132	0.02%	0.006%
404	17.589	17.585	17.594	VV	305	1078	0.02%	0.006%

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405	17.600	17.594	17.607	VV	194	1560	0.03%	0.009%
406	17.624	17.612	17.630	VV	365	2445	0.04%	0.014%
407	17.633	17.630	17.659	VV	310	4127	0.07%	0.023%
408	17.668	17.659	17.688	VV	338	5243	0.09%	0.029%
409	17.709	17.688	17.720	VV	728	9262	0.16%	0.051%
410	17.737	17.720	17.764	VV	824	13194	0.23%	0.073%
411	17.782	17.764	17.792	VV	536	5145	0.09%	0.028%
412	17.794	17.792	17.799	VV	432	1485	0.03%	0.008%
413	17.825	17.799	17.854	VV	1077	17883	0.31%	0.099%
414	17.857	17.854	17.880	VV	410	3680	0.06%	0.020%
415	17.890	17.880	17.908	VV	496	5327	0.09%	0.029%
416	17.913	17.908	17.925	VV	421	3064	0.05%	0.017%
417	17.937	17.925	17.942	VV	430	3041	0.05%	0.017%
418	17.948	17.942	17.960	VV	391	3300	0.06%	0.018%
419	17.968	17.960	17.974	VV	416	2783	0.05%	0.015%
420	17.980	17.974	17.993	VV	478	2864	0.05%	0.016%
421	18.023	17.993	18.047	VV	696	11772	0.21%	0.065%
422	18.089	18.047	18.134	VV	6305	114216	2.01%	0.631%
423	18.156	18.134	18.217	VV	2365	47768	0.84%	0.264%
424	18.220	18.217	18.244	VV	425	4374	0.08%	0.024%
425	18.256	18.244	18.262	VV	563	4656	0.08%	0.026%
426	18.266	18.262	18.273	VV	447	2326	0.04%	0.013%
427	18.279	18.273	18.304	VV	425	5000	0.09%	0.028%
428	18.333	18.304	18.344	VV	421	7844	0.14%	0.043%
429	18.362	18.344	18.367	VV	913	9260	0.16%	0.051%
430	18.371	18.367	18.387	VV	920	6886	0.12%	0.038%
431	18.416	18.397	18.422	VV	427	3603	0.06%	0.020%
432	18.432	18.422	18.444	VV	287	2805	0.05%	0.015%
433	18.464	18.444	18.474	VV	260	2733	0.05%	0.015%
Sum of corrected areas:					18098651			

Aromatic EPH 100225.M Fri Oct 03 06:53:23 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
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
FE056156.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.25	J	0.17	1.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.33	J	0.15	1.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.63	U	0.63	1.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.29		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3257-02	Acq On:	02 Oct 2025 19:35
Client Sample ID:	ENV2-6FT	Operator:	YP\AJ
Data file:	FE056156.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	3.311	6.945	445408	3.181	300	ug/ml
Aliphatic C12-C16	6.946	10.395	710630	4.633	200	ug/ml
Aliphatic C16-C21	10.396	13.772	685101	4.13	300	ug/ml
Aliphatic C21-C28	13.773	17.442	757000	5.097	400	ug/ml
Aliphatic C28-C40	17.443	22.448	12624893	92.658	600	ug/ml
Aliphatic EPH	3.311	22.448	15223032	109.699		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	5357450	38.39		ug/ml
Aliphatic C9-C28	3.311	17.442	2598139	17.041	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056156.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 19:35
Operator : YP\AJ
Sample : Q3257-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV2-6FT

Integration File: autoint1.e
Quant Time: Oct 03 01:01:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.505	5357450	38.387 ug/ml
Spiked Amount 50.000		Recovery =	76.77%

Target Compounds

(f)=RT Delta > 1/2 Window

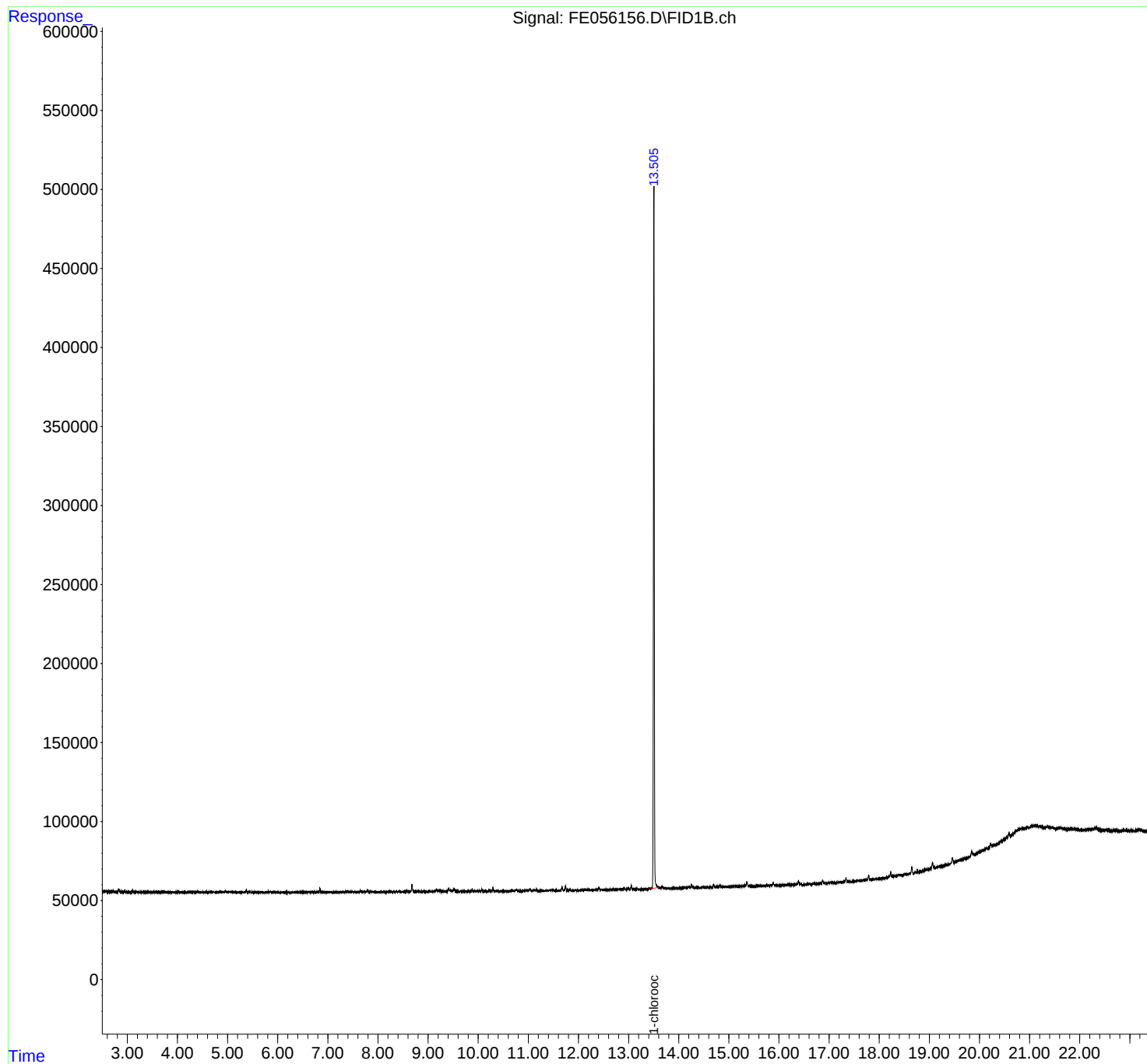
(m)=manual int.

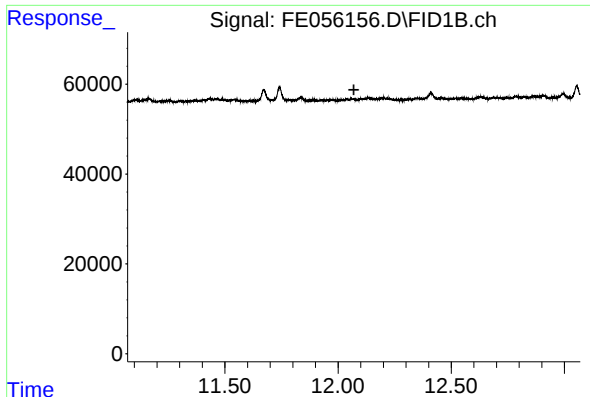
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056156.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 19:35
Operator : YP\AJ
Sample : Q3257-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV2-6FT

Integration File: autoint1.e
Quant Time: Oct 03 01:01:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

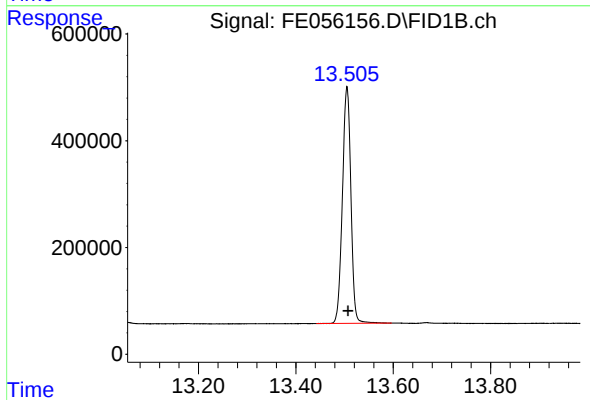




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.070 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV2-6FT



#12 1-chlorooctadecane (SURR)

R.T.: 13.505 min
Delta R.T.: -0.002 min
Response: 5357450
Conc: 38.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056156.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 19:35
Sample : Q3257-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.827	2.804	2.867	PV	1728	26765	0.49%	0.129%
2	2.881	2.867	2.926	PV	319	3041	0.06%	0.015%
3	2.950	2.926	3.058	PV	736	9471	0.17%	0.046%
4	3.105	3.058	3.138	PV	1091	12854	0.24%	0.062%
5	3.163	3.138	3.171	VV	157	1884	0.03%	0.009%
6	3.189	3.171	3.254	VV	225	7677	0.14%	0.037%
7	3.275	3.254	3.308	VV	192	4535	0.08%	0.022%
8	3.315	3.308	3.394	VV	180	7162	0.13%	0.035%
9	3.412	3.394	3.451	VV	339	7418	0.14%	0.036%
10	3.470	3.451	3.491	VV	213	3946	0.07%	0.019%
11	3.531	3.491	3.581	VV	280	9431	0.17%	0.046%
12	3.594	3.581	3.649	VV	252	7181	0.13%	0.035%
13	3.666	3.649	3.694	VV	234	4627	0.09%	0.022%
14	3.708	3.694	3.718	VV	184	2226	0.04%	0.011%
15	3.726	3.718	3.741	VV	178	2234	0.04%	0.011%
16	3.752	3.741	3.767	VV	202	2400	0.04%	0.012%
17	3.800	3.767	3.846	VV	289	6905	0.13%	0.033%
18	3.868	3.846	3.890	VV	294	5291	0.10%	0.026%
19	3.901	3.890	3.944	VV	251	4341	0.08%	0.021%
20	4.004	3.944	4.041	VV	427	9980	0.18%	0.048%
21	4.054	4.041	4.081	VV	175	2653	0.05%	0.013%
22	4.102	4.081	4.122	VV	283	3929	0.07%	0.019%
23	4.133	4.122	4.152	VV	81	1534	0.03%	0.007%
24	4.161	4.152	4.169	VV	64	580	0.01%	0.003%
25	4.210	4.169	4.228	PV	414	5355	0.10%	0.026%
26	4.242	4.228	4.265	VV	403	5440	0.10%	0.026%
27	4.278	4.265	4.286	VV	139	1237	0.02%	0.006%
28	4.319	4.286	4.342	VV	201	4431	0.08%	0.021%
29	4.353	4.342	4.363	VV	124	1513	0.03%	0.007%
30	4.395	4.363	4.464	VV	699	15842	0.29%	0.076%
31	4.481	4.464	4.554	VV	164	7124	0.13%	0.034%
32	4.588	4.554	4.634	VV	312	8895	0.16%	0.043%
33	4.670	4.634	4.697	VV	704	12144	0.22%	0.059%
34	4.713	4.697	4.766	VV	437	8683	0.16%	0.042%
35	4.785	4.766	4.814	VV	435	8589	0.16%	0.041%
36	4.832	4.814	4.844	VV	358	4650	0.09%	0.022%

					rteres			
37	4.858	4.844	4.888	VV	611	9179	0.17%	0.044%
38	4.895	4.888	4.902	VV	277	2030	0.04%	0.010%
39	4.921	4.902	4.936	VV	465	6612	0.12%	0.032%
40	4.955	4.936	5.074	VV	873	26720	0.49%	0.129%
41	5.094	5.074	5.110	VV	346	6330	0.12%	0.031%
42	5.122	5.110	5.128	VV	302	3031	0.06%	0.015%
43	5.133	5.128	5.157	VV	322	3754	0.07%	0.018%
44	5.174	5.157	5.240	VV	317	8521	0.16%	0.041%
45	5.257	5.240	5.267	VV	186	2054	0.04%	0.010%
46	5.285	5.267	5.311	VV	215	4202	0.08%	0.020%
47	5.322	5.311	5.328	VV	122	1167	0.02%	0.006%
48	5.344	5.328	5.353	VV	300	3297	0.06%	0.016%
49	5.373	5.353	5.405	VV	1693	21340	0.39%	0.103%
50	5.434	5.405	5.449	VV	460	6509	0.12%	0.031%
51	5.458	5.449	5.477	VV	268	3174	0.06%	0.015%
52	5.494	5.477	5.532	VV	253	4455	0.08%	0.022%
53	5.547	5.532	5.571	VV	143	2725	0.05%	0.013%
54	5.586	5.571	5.614	VV	176	3067	0.06%	0.015%
55	5.618	5.614	5.648	VV	181	2025	0.04%	0.010%
56	5.683	5.648	5.709	VV	208	5185	0.10%	0.025%
57	5.747	5.709	5.762	VV	152	3292	0.06%	0.016%
58	5.776	5.762	5.787	VV	199	1902	0.04%	0.009%
59	5.809	5.787	5.834	VV	811	10692	0.20%	0.052%
60	5.852	5.834	5.879	VV	733	9944	0.18%	0.048%
61	5.915	5.879	5.935	VV	223	4500	0.08%	0.022%
62	6.002	5.935	6.058	VV	306	9947	0.18%	0.048%
63	6.069	6.058	6.088	VV	156	1756	0.03%	0.008%
64	6.109	6.088	6.141	VV	263	5118	0.09%	0.025%
65	6.151	6.141	6.187	VV	139	2732	0.05%	0.013%
66	6.208	6.187	6.231	VV	180	2862	0.05%	0.014%
67	6.242	6.231	6.267	VV	125	1547	0.03%	0.007%
68	6.394	6.267	6.421	PV	394	12174	0.22%	0.059%
69	6.442	6.421	6.471	VV	298	5849	0.11%	0.028%
70	6.488	6.471	6.521	VV	504	7806	0.14%	0.038%
71	6.551	6.521	6.593	VV	394	9972	0.18%	0.048%
72	6.629	6.593	6.688	VV	282	12551	0.23%	0.061%
73	6.699	6.688	6.704	VV	206	1522	0.03%	0.007%
74	6.713	6.704	6.758	VV	241	5128	0.09%	0.025%
75	6.843	6.758	6.892	VV	2563	37176	0.69%	0.179%
76	6.930	6.892	6.954	VV	361	7820	0.14%	0.038%
77	6.967	6.954	6.979	VV	269	2897	0.05%	0.014%
78	6.998	6.979	7.016	VV	561	6973	0.13%	0.034%
79	7.033	7.016	7.047	VV	267	2957	0.05%	0.014%
80	7.072	7.047	7.092	VV	310	4467	0.08%	0.022%
81	7.133	7.092	7.144	VV	97	2205	0.04%	0.011%
82	7.184	7.144	7.208	PV	142	3071	0.06%	0.015%
83	7.235	7.208	7.274	VV	190	3616	0.07%	0.017%
84	7.300	7.274	7.336	VV	349	5218	0.10%	0.025%
85	7.355	7.336	7.390	VV	434	8327	0.15%	0.040%
86	7.420	7.390	7.447	VV	410	9868	0.18%	0.048%
87	7.484	7.447	7.504	VV	584	10875	0.20%	0.052%
88	7.518	7.504	7.548	VV	224	3916	0.07%	0.019%
89	7.564	7.548	7.581	VV	271	4034	0.07%	0.019%

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90	7.592	7.581	7.613	VV	209	2830	0.05%	0.014%
91	7.650	7.613	7.701	VV	1271	19598	0.36%	0.095%
92	7.723	7.701	7.748	VV	298	7025	0.13%	0.034%
93	7.758	7.748	7.769	VV	382	3932	0.07%	0.019%
94	7.793	7.769	7.843	VV	1527	23716	0.44%	0.114%
95	7.857	7.843	7.870	VV	249	3055	0.06%	0.015%
96	7.886	7.870	7.898	VV	241	3393	0.06%	0.016%
97	7.927	7.898	7.938	VV	159	2280	0.04%	0.011%
98	7.977	7.938	8.035	VV	158	3899	0.07%	0.019%
99	8.060	8.035	8.088	PV	626	7035	0.13%	0.034%
100	8.138	8.088	8.184	VV	252	7653	0.14%	0.037%
101	8.234	8.184	8.248	VV	259	6758	0.12%	0.033%
102	8.256	8.248	8.314	VV	261	6001	0.11%	0.029%
103	8.323	8.314	8.354	VV	216	2801	0.05%	0.014%
104	8.368	8.354	8.394	VV	710	8142	0.15%	0.039%
105	8.427	8.394	8.458	VV	627	9267	0.17%	0.045%
106	8.465	8.458	8.481	VV	125	1686	0.03%	0.008%
107	8.498	8.481	8.514	VV	208	3222	0.06%	0.016%
108	8.538	8.514	8.551	VV	205	4069	0.07%	0.020%
109	8.584	8.551	8.638	VV	761	21048	0.39%	0.102%
110	8.678	8.638	8.754	VV	4785	73409	1.35%	0.354%
111	8.798	8.754	8.814	VV	470	13005	0.24%	0.063%
112	8.825	8.814	8.857	VV	432	7888	0.15%	0.038%
113	8.872	8.857	8.894	VV	296	4673	0.09%	0.023%
114	8.913	8.894	8.940	VV	311	4312	0.08%	0.021%
115	8.962	8.940	8.971	PV	102	1071	0.02%	0.005%
116	9.031	8.971	9.056	VV	414	10311	0.19%	0.050%
117	9.165	9.056	9.206	VV	1071	50072	0.92%	0.242%
118	9.222	9.206	9.271	VV	950	23433	0.43%	0.113%
119	9.287	9.271	9.311	VV	371	6786	0.13%	0.033%
120	9.341	9.311	9.358	VV	403	6672	0.12%	0.032%
121	9.410	9.358	9.458	VV	2277	54477	1.00%	0.263%
122	9.467	9.458	9.478	VV	689	7038	0.13%	0.034%
123	9.523	9.478	9.579	VV	1542	47324	0.87%	0.228%
124	9.598	9.579	9.621	VV	571	8329	0.15%	0.040%
125	9.646	9.621	9.674	VV	406	7848	0.14%	0.038%
126	9.694	9.674	9.715	VV	313	5678	0.10%	0.027%
127	9.749	9.715	9.781	VV	297	8554	0.16%	0.041%
128	9.808	9.781	9.854	VV	533	11811	0.22%	0.057%
129	9.879	9.854	9.914	VV	903	15842	0.29%	0.076%
130	9.931	9.914	9.954	VV	505	8819	0.16%	0.043%
131	9.975	9.954	10.001	VV	496	10156	0.19%	0.049%
132	10.021	10.001	10.045	VV	676	11799	0.22%	0.057%
133	10.071	10.045	10.094	VV	1635	20844	0.38%	0.101%
134	10.108	10.094	10.117	VV	164	2122	0.04%	0.010%
135	10.138	10.117	10.151	VV	262	4148	0.08%	0.020%
136	10.158	10.151	10.184	VV	278	3323	0.06%	0.016%
137	10.211	10.184	10.251	VV	806	15453	0.28%	0.075%
138	10.257	10.251	10.265	VV	258	1932	0.04%	0.009%
139	10.292	10.265	10.345	VV	2447	36797	0.68%	0.178%
140	10.362	10.345	10.378	VV	430	5716	0.11%	0.028%
141	10.393	10.378	10.414	VV	368	5154	0.09%	0.025%

					rteres			
142	10.421	10.414	10.428	VV	218	1302	0.02%	0.006%
143	10.463	10.428	10.494	VV	328	7180	0.13%	0.035%
144	10.503	10.494	10.518	VV	164	1132	0.02%	0.005%
145	10.529	10.518	10.550	PV	101	1456	0.03%	0.007%
146	10.570	10.550	10.588	VV	235	4222	0.08%	0.020%
147	10.612	10.588	10.627	VV	256	4723	0.09%	0.023%
148	10.641	10.627	10.661	VV	286	4647	0.09%	0.022%
149	10.685	10.661	10.706	VV	757	11841	0.22%	0.057%
150	10.736	10.706	10.753	VV	789	14108	0.26%	0.068%
151	10.768	10.753	10.859	VV	645	23349	0.43%	0.113%
152	10.896	10.859	10.908	VV	360	6198	0.11%	0.030%
153	10.963	10.908	10.998	VV	612	22208	0.41%	0.107%
154	11.035	10.998	11.074	VV	1550	29346	0.54%	0.142%
155	11.108	11.074	11.127	VV	547	11736	0.22%	0.057%
156	11.165	11.127	11.197	VV	743	18237	0.34%	0.088%
157	11.214	11.197	11.229	VV	183	3202	0.06%	0.015%
158	11.253	11.229	11.275	VV	351	5770	0.11%	0.028%
159	11.307	11.275	11.319	VV	178	2999	0.06%	0.014%
160	11.327	11.319	11.335	VV	99	956	0.02%	0.005%
161	11.365	11.335	11.388	VV	266	6925	0.13%	0.033%
162	11.434	11.388	11.451	VV	693	17029	0.31%	0.082%
163	11.466	11.451	11.478	VV	632	8873	0.16%	0.043%
164	11.489	11.478	11.525	VV	505	9615	0.18%	0.046%
165	11.541	11.525	11.584	VV	443	8548	0.16%	0.041%
166	11.672	11.584	11.709	VV	2605	44564	0.82%	0.215%
167	11.741	11.709	11.778	VV	3063	45899	0.85%	0.222%
168	11.783	11.778	11.807	VV	293	4070	0.07%	0.020%
169	11.835	11.807	11.878	VV	894	15911	0.29%	0.077%
170	11.886	11.878	11.911	VV	178	2502	0.05%	0.012%
171	11.968	11.911	12.007	PV	174	7076	0.13%	0.034%
172	12.067	12.007	12.078	VV	403	9984	0.18%	0.048%
173	12.134	12.078	12.171	VV	553	20098	0.37%	0.097%
174	12.200	12.171	12.247	VV	535	15321	0.28%	0.074%
175	12.257	12.247	12.272	VV	159	1487	0.03%	0.007%
176	12.350	12.272	12.375	VV	398	11161	0.21%	0.054%
177	12.411	12.375	12.441	VV	1536	27646	0.51%	0.133%
178	12.457	12.441	12.490	VV	330	6607	0.12%	0.032%
179	12.518	12.490	12.534	VV	241	4594	0.08%	0.022%
180	12.541	12.534	12.595	VV	314	5572	0.10%	0.027%
181	12.633	12.595	12.666	VV	559	11839	0.22%	0.057%
182	12.689	12.666	12.725	VV	366	8731	0.16%	0.042%
183	12.747	12.725	12.761	VV	221	4175	0.08%	0.020%
184	12.785	12.761	12.810	VV	517	10069	0.19%	0.049%
185	12.825	12.810	12.841	VV	413	6021	0.11%	0.029%
186	12.865	12.841	12.884	VV	555	10657	0.20%	0.051%
187	12.907	12.884	12.958	VV	680	15152	0.28%	0.073%
188	12.995	12.958	13.027	VV	1051	18661	0.34%	0.090%
189	13.054	13.027	13.128	VV	2709	43796	0.81%	0.211%
190	13.172	13.128	13.249	VV	525	13678	0.25%	0.066%
191	13.315	13.249	13.335	PV	221	5702	0.11%	0.028%
192	13.345	13.335	13.362	VV	222	2915	0.05%	0.014%
193	13.417	13.362	13.428	VV	351	8706	0.16%	0.042%
194	13.505	13.428	13.598	VV	442000	5426799	100.00%	26.196%

					rteres			
195	13.609	13.598	13.644	VV	1100	23809	0.44%	0.115%
196	13.668	13.644	13.758	VV	1830	53096	0.98%	0.256%
197	13.779	13.758	13.828	VV	352	11035	0.20%	0.053%
198	13.903	13.828	13.918	VV	398	15341	0.28%	0.074%
199	13.938	13.918	13.998	VV	457	15572	0.29%	0.075%
200	14.012	13.998	14.032	VV	395	6301	0.12%	0.030%
201	14.045	14.032	14.064	VV	358	5327	0.10%	0.026%
202	14.071	14.064	14.081	VV	297	2674	0.05%	0.013%
203	14.110	14.081	14.150	VV	566	16479	0.30%	0.080%
204	14.205	14.150	14.230	VV	1127	25986	0.48%	0.125%
205	14.256	14.230	14.302	VV	2168	39776	0.73%	0.192%
206	14.317	14.302	14.334	VV	461	7231	0.13%	0.035%
207	14.346	14.334	14.361	VV	380	3856	0.07%	0.019%
208	14.365	14.361	14.438	VV	196	5745	0.11%	0.028%
209	14.486	14.438	14.541	PV	620	18629	0.34%	0.090%
210	14.556	14.541	14.610	VV	314	9410	0.17%	0.045%
211	14.696	14.610	14.754	VV	1687	44368	0.82%	0.214%
212	14.775	14.754	14.798	VV	463	9544	0.18%	0.046%
213	14.821	14.798	14.865	VV	1512	24855	0.46%	0.120%
214	14.888	14.865	14.933	VV	505	12807	0.24%	0.062%
215	14.953	14.933	15.003	VV	337	10388	0.19%	0.050%
216	15.023	15.003	15.066	VV	424	9540	0.18%	0.046%
217	15.084	15.066	15.104	VV	334	6253	0.12%	0.030%
218	15.138	15.104	15.198	VV	386	13264	0.24%	0.064%
219	15.217	15.198	15.238	VV	371	4978	0.09%	0.024%
220	15.252	15.238	15.266	VV	223	2104	0.04%	0.010%
221	15.318	15.266	15.335	VV	818	14550	0.27%	0.070%
222	15.363	15.335	15.391	VV	2786	44784	0.83%	0.216%
223	15.417	15.391	15.432	VV	437	8586	0.16%	0.041%
224	15.442	15.432	15.490	VV	267	5405	0.10%	0.026%
225	15.502	15.490	15.519	VV	183	2261	0.04%	0.011%
226	15.567	15.519	15.597	VV	338	8709	0.16%	0.042%
227	15.620	15.597	15.668	VV	239	5914	0.11%	0.029%
228	15.692	15.668	15.724	VV	218	4339	0.08%	0.021%
229	15.803	15.724	15.818	VV	285	10934	0.20%	0.053%
230	15.845	15.818	15.861	VV	280	6171	0.11%	0.030%
231	15.885	15.861	15.921	VV	2145	34869	0.64%	0.168%
232	15.934	15.921	15.960	VV	415	6507	0.12%	0.031%
233	15.970	15.960	16.001	VV	249	3548	0.07%	0.017%
234	16.012	16.001	16.023	VV	119	1077	0.02%	0.005%
235	16.039	16.023	16.046	PV	174	1410	0.03%	0.007%
236	16.074	16.046	16.096	VV	256	4966	0.09%	0.024%
237	16.108	16.096	16.114	VV	219	1620	0.03%	0.008%
238	16.154	16.114	16.168	VV	265	5842	0.11%	0.028%
239	16.206	16.168	16.241	VV	506	12560	0.23%	0.061%
240	16.254	16.241	16.266	VV	348	4109	0.08%	0.020%
241	16.347	16.266	16.362	VV	655	18485	0.34%	0.089%
242	16.386	16.362	16.411	VV	2502	38574	0.71%	0.186%
243	16.420	16.411	16.466	VV	487	9884	0.18%	0.048%
244	16.474	16.466	16.498	VV	129	1227	0.02%	0.006%
245	16.521	16.498	16.530	PV	235	2602	0.05%	0.013%
246	16.599	16.530	16.651	VV	414	18787	0.35%	0.091%

					rteres			
247	16.700	16.651	16.726	PV	657	14082	0.26%	0.068%
248	16.754	16.726	16.781	VV	395	8994	0.17%	0.043%
249	16.791	16.781	16.799	VV	152	1160	0.02%	0.006%
250	16.871	16.799	16.928	VV	2330	42792	0.79%	0.207%
251	16.945	16.928	16.958	VV	120	1307	0.02%	0.006%
252	17.040	16.958	17.068	PV	435	13546	0.25%	0.065%
253	17.087	17.068	17.139	VV	304	7206	0.13%	0.035%
254	17.217	17.139	17.248	VV	618	14677	0.27%	0.071%
255	17.265	17.248	17.274	PV	152	1267	0.02%	0.006%
256	17.337	17.274	17.364	VV	2731	47004	0.87%	0.227%
257	17.375	17.364	17.395	VV	440	5060	0.09%	0.024%
258	17.406	17.395	17.410	PV	118	722	0.01%	0.003%
259	17.458	17.410	17.468	VV	248	4515	0.08%	0.022%
260	17.488	17.468	17.501	VV	228	3061	0.06%	0.015%
261	17.516	17.501	17.524	VV	181	2008	0.04%	0.010%
262	17.545	17.524	17.554	VV	262	2505	0.05%	0.012%
263	17.604	17.554	17.631	VV	476	11488	0.21%	0.055%
264	17.684	17.631	17.704	VV	306	8016	0.15%	0.039%
265	17.789	17.704	17.829	VV	3169	58933	1.09%	0.284%
266	17.838	17.829	17.854	VV	294	2754	0.05%	0.013%
267	17.879	17.854	17.891	PV	441	5526	0.10%	0.027%
268	17.924	17.891	17.968	VV	557	16658	0.31%	0.080%
269	17.976	17.968	17.991	VV	166	1606	0.03%	0.008%
270	18.007	17.991	18.033	VV	332	4751	0.09%	0.023%
271	18.228	18.033	18.268	PV	3285	66401	1.22%	0.321%
272	18.300	18.268	18.328	VV	369	7280	0.13%	0.035%
273	18.390	18.328	18.458	VV	911	31307	0.58%	0.151%
274	18.493	18.458	18.531	VV	391	7753	0.14%	0.037%
275	18.650	18.531	18.691	VV	4436	76618	1.41%	0.370%
276	18.758	18.691	18.796	PV	1068	23054	0.42%	0.111%
277	18.808	18.796	18.821	PV	168	1718	0.03%	0.008%
278	18.917	18.821	18.933	VV	738	21861	0.40%	0.106%
279	19.061	18.933	19.094	VV	4502	108466	2.00%	0.524%
280	19.108	19.094	19.119	VV	662	9226	0.17%	0.045%
281	19.187	19.119	19.203	VV	857	30890	0.57%	0.149%
282	19.382	19.203	19.389	VV	726	64196	1.18%	0.310%
283	19.460	19.389	19.490	VV	4353	104574	1.93%	0.505%
284	19.582	19.490	19.590	VV	1799	87176	1.61%	0.421%
285	19.615	19.590	19.628	VV	1959	41237	0.76%	0.199%
286	19.847	19.628	19.873	VV	5932	383162	7.06%	1.850%
287	19.892	19.873	19.903	VV	3632	60209	1.11%	0.291%
288	20.137	19.903	20.158	VV	5585	673091	12.40%	3.249%
289	20.222	20.158	20.253	VV	8065	350993	6.47%	1.694%
290	20.588	20.253	20.611	VV	11753	1705459	31.43%	8.233%
291	20.771	20.611	20.788	VV	12906	1211617	22.33%	5.849%
292	20.911	20.788	20.931	VV	12557	1090178	20.09%	5.262%
293	20.954	20.931	20.981	VV	13254	384233	7.08%	1.855%
294	21.066	20.981	21.114	VV	13410	1028741	18.96%	4.966%
295	21.145	21.114	21.182	VV	12344	499350	9.20%	2.410%
296	21.207	21.182	21.284	VV	11833	684030	12.60%	3.302%
297	21.361	21.284	21.521	VV	10837	1351084	24.90%	6.522%
298	21.639	21.521	21.681	VV	7610	727703	13.41%	3.513%
299	21.691	21.681	21.751	VV	6831	264104	4.87%	1.275%

						rteres		
300	21.757	21.751	21.767	VV	5838	56019	1.03%	0.270%
301	21.818	21.767	21.874	VV	6065	363812	6.70%	1.756%
302	21.892	21.874	22.018	VV	5235	378581	6.98%	1.827%
303	22.032	22.018	22.058	VV	3483	80962	1.49%	0.391%
304	22.074	22.058	22.107	VV	3242	90664	1.67%	0.438%
305	22.122	22.107	22.137	VV	2883	49403	0.91%	0.238%
306	22.206	22.137	22.231	VV	2810	153838	2.83%	0.743%
307	22.240	22.231	22.247	VV	2442	23182	0.43%	0.112%
308	22.331	22.247	22.469	VV	2730	210900	3.89%	1.018%
						Sum of corrected areas:		20716062

Aliphatic EPH 092425.M Fri Oct 03 02:29:56 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FD100225AR

AreaCount

Parameter Range	FD049791.D	FD049792.D	FD049793.D	FD049794.D	FD049795.D	
Aromatic C10-C12	25427460.000	12246862.000	4558465.000	2308235.000	1349679.000	
Aromatic C12-C16	44219117.000	21369355.000	7997923.000	4074363.000	2367349.000	
Aromatic C16-C21	58880353.000	28489474.000	10565292.000	5373434.000	3096151.000	
Aromatic C21-C36	113279188.000	55536652.000	20589877.000	10574479.000	6207569.000	
Aromatic EPH	241806118.000	117642343.000	43711557.000	22330511.000	13020748.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	122789.439	7.049				
Aromatic C12-C16	143358.7013328	6.839				
Aromatic C16-C21	142171.5605	6.566				
Aromatic C21-C36	123821.7882218	7.367				
Aromatic EPH	131040.9621106	7.017				

Concentration

Parameter Range	FD049791.D	FD049792.D	FD049793.D	FD049794.D	FD049795.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	FD049791.D	FD049792.D	FD049793.D	FD049794.D	FD049795.D	
Aromatic C10-C12	127137.300000	122468.620000	113961.625000	115411.750000	134967.900000	
Aromatic C12-C16	147397.056666	142462.366666	133298.716666	135812.100000	157823.266666	
Aromatic C16-C21	147200.882500	142447.370000	132066.150000	134335.850000	154807.550000	
Aromatic C21-C36	125865.764444	123414.782222	114388.205555	117494.211111	137945.977777	
Aromatic EPH	134336.732222	130713.714444	121420.991666	124058.394444	144674.977777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049791.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 09:40
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 02 12:23:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 12:20:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.702	12297466	105.279 ug/ml
Spiked Amount 50.000		Recovery =	210.56%
6) S 2-Fluorobiphenyl (SURR)	8.569	8829631	105.527 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	211.05%#
11) S ortho-Terphenyl (SURR)	11.617	15083328	104.185 ug/ml
Spiked Amount 50.000		Recovery =	208.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.492	11695090	105.250 ug/ml
2) T Naphthalene (C11.7)	6.037	13732370	105.649 ug/ml
3) T 2-Methylnaphthalene (...)	7.093	14358809	105.572 ug/ml
5) T Acenaphthylene (C15.06)	8.374	14927854	104.729 ug/ml
7) T Acenaphthene (C15.5)	8.672	14932454	104.792 ug/ml
8) T Fluorene (C16.55)	9.453	15004127	104.915 ug/ml
9) T Phenanthrene (C19.36)	10.852	15141178	105.308 ug/ml
10) T Anthracene (C19.43)	10.929	14050883	105.566 ug/ml
12) T Fluoranthene (C21.85)	12.669	14846106	105.943 ug/ml
13) T Pyrene (C20.8)	12.967	14684165	105.915 ug/ml
14) T Benzo[a]anthracene (C...	14.838	13181939	106.439 ug/ml
15) T Chrysene (C27.41)	14.887	13333384	106.103 ug/ml
16) T benzo[b]fluoranthene ...	16.393	12901391	105.856 ug/ml
17) T Bnezo[k]fluoranthene ...	16.431	11752195	104.884 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.775	12308141	104.503 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.141	11738329	105.996 ug/ml
20) T Dibenz[a,h]anthracene...	18.181	11303844	101.557 ug/ml
21) T Benzo[g,h,i]perylene ...	18.403	11913859	103.219 ug/ml

(f)=RT Delta > 1/2 Window

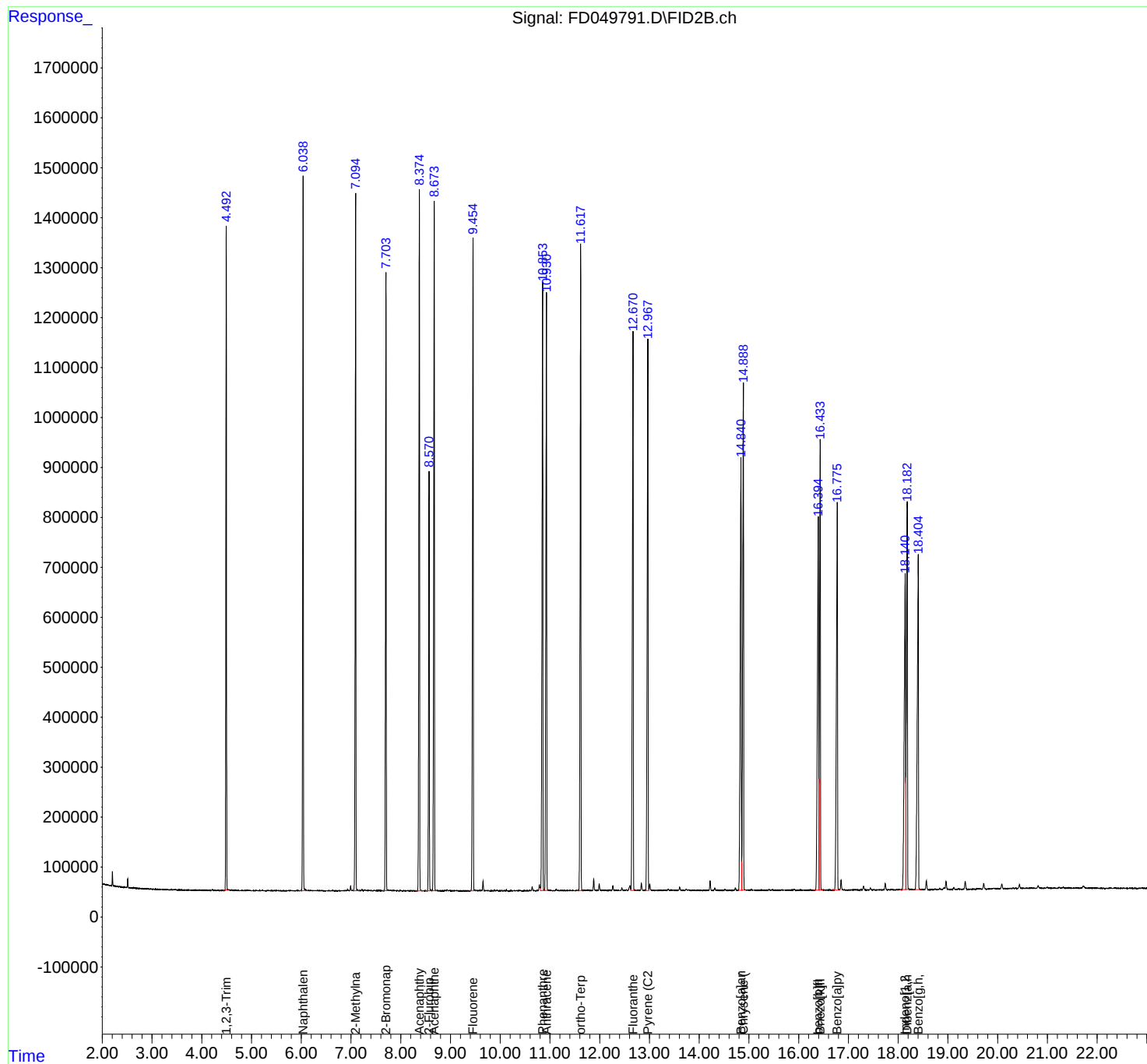
(m)=manual int.

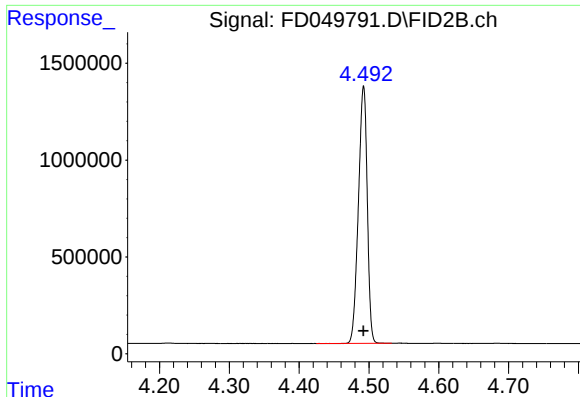
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049791.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 09:40
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 02 12:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 12:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm





#1 1,2,3-Trimethylbenzene (C10.1)

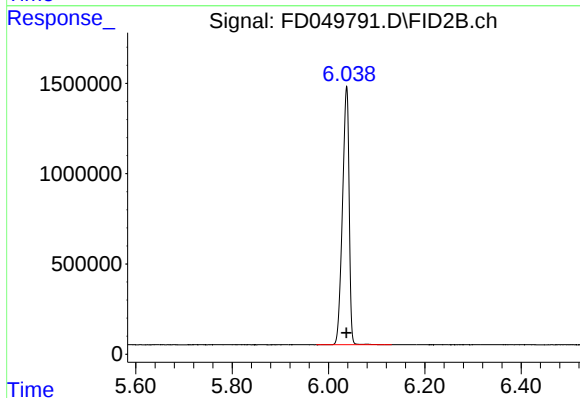
R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 11695090
Conc: 105.25 ug/ml

Instrument :

FID_D

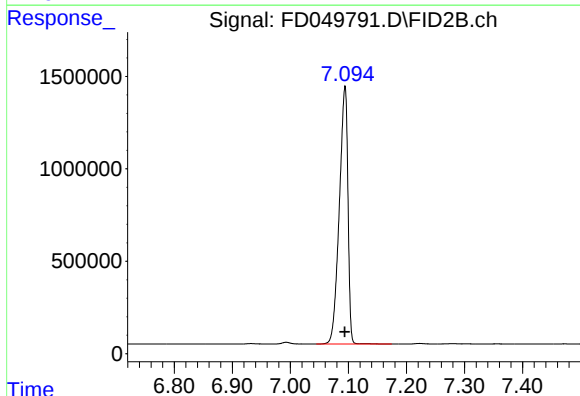
ClientSampleId :

100 PPM AROMATIC HC STD1



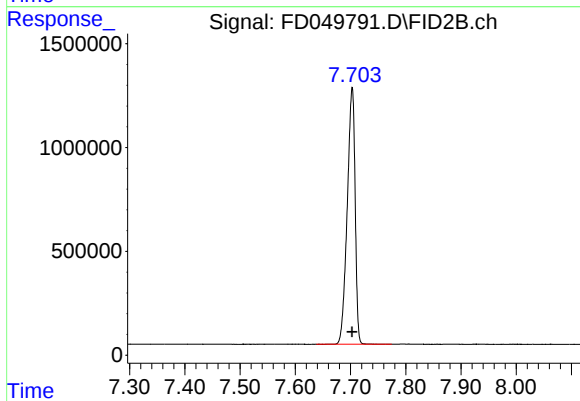
#2 Naphthalene (C11.7)

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 13732370
Conc: 105.65 ug/ml



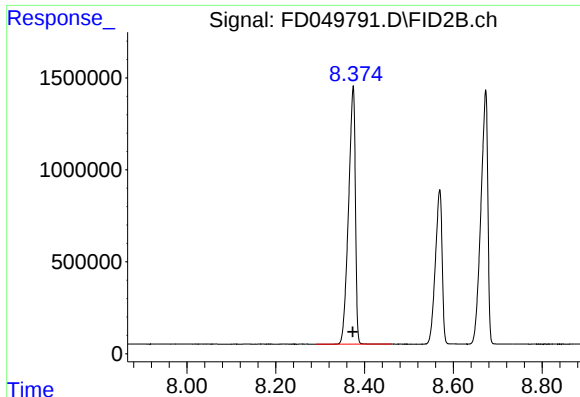
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.093 min
Delta R.T.: 0.000 min
Response: 14358809
Conc: 105.57 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 12297466
Conc: 105.28 ug/ml



#5 Acenaphthylene (C15.06)

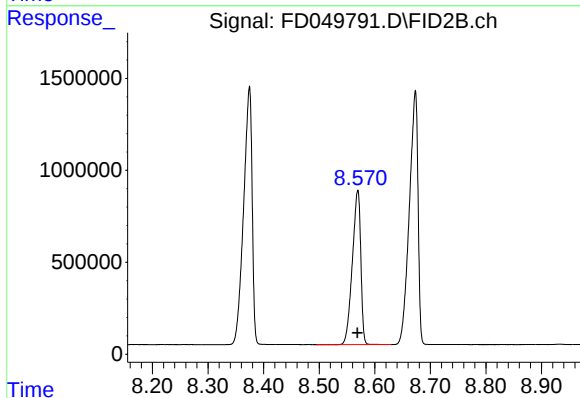
R.T.: 8.374 min
Delta R.T.: 0.000 min
Response: 14927854
Conc: 104.73 ug/ml

Instrument :

FID_D

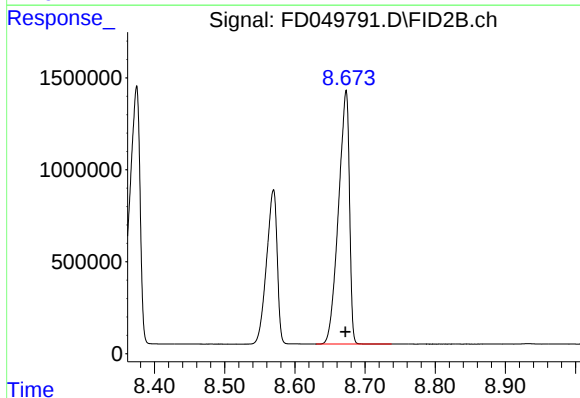
ClientSampleId :

100 PPM AROMATIC HC STD1



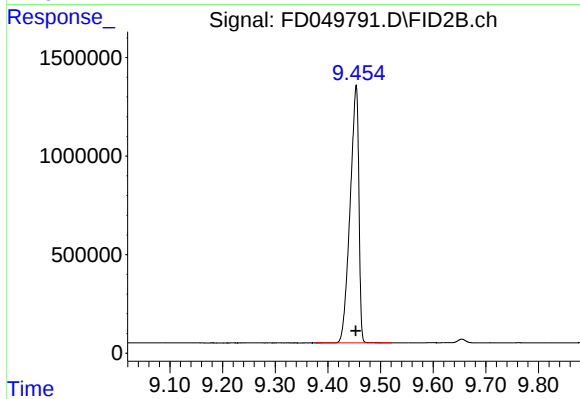
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.569 min
Delta R.T.: 0.000 min
Response: 8829631
Conc: 105.53 ug/ml



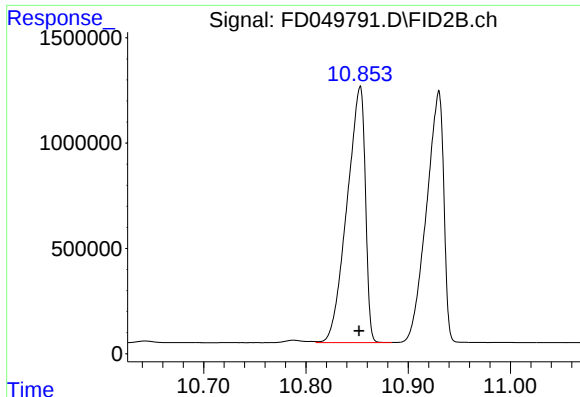
#7 Acenaphthene (C15.5)

R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 14932454
Conc: 104.79 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.453 min
Delta R.T.: 0.000 min
Response: 15004127
Conc: 104.92 ug/ml



#9 Phenanthrene (C19.36)

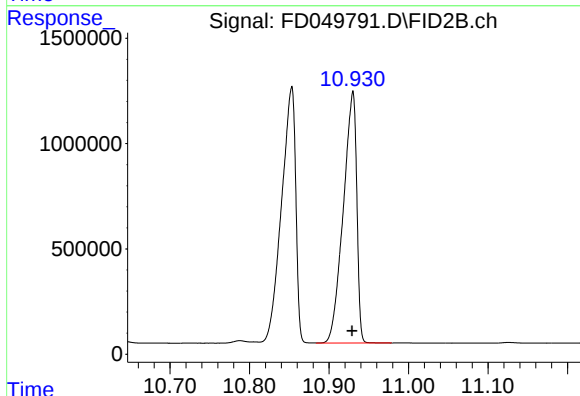
R.T.: 10.852 min
Delta R.T.: 0.000 min
Response: 15141178
Conc: 105.31 ug/ml

Instrument :

FID_D

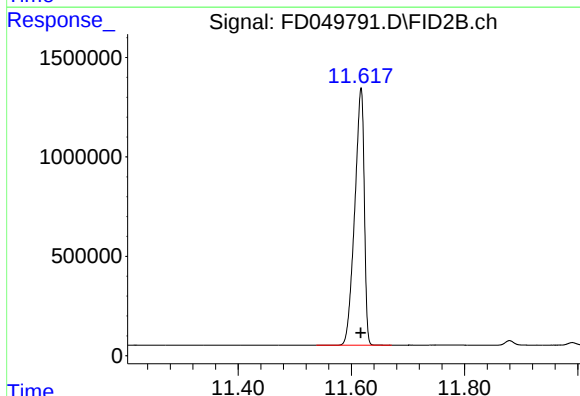
ClientSampleId :

100 PPM AROMATIC HC STD1



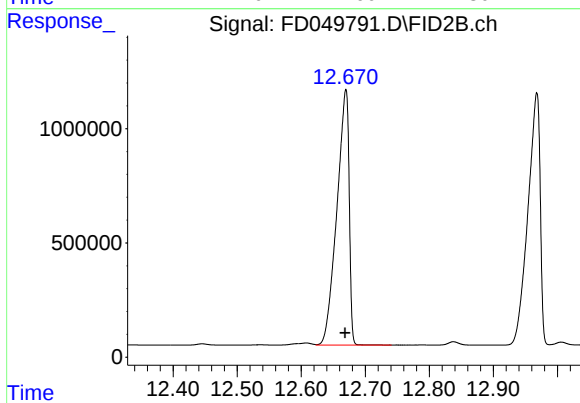
#10 Anthracene (C19.43)

R.T.: 10.929 min
Delta R.T.: 0.000 min
Response: 14050883
Conc: 105.57 ug/ml



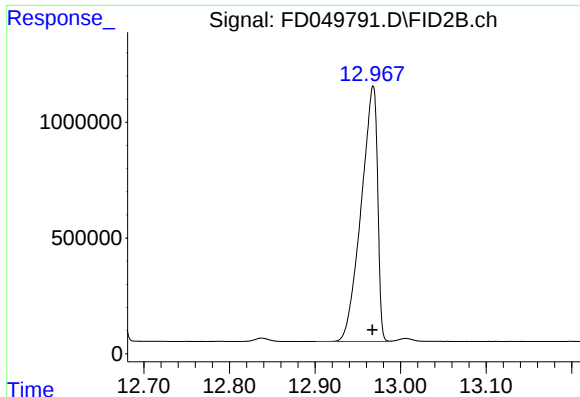
#11 ortho-Terphenyl (SURR)

R.T.: 11.617 min
Delta R.T.: 0.000 min
Response: 15083328
Conc: 104.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 14846106
Conc: 105.94 ug/ml



#13 Pyrene (C20.8)

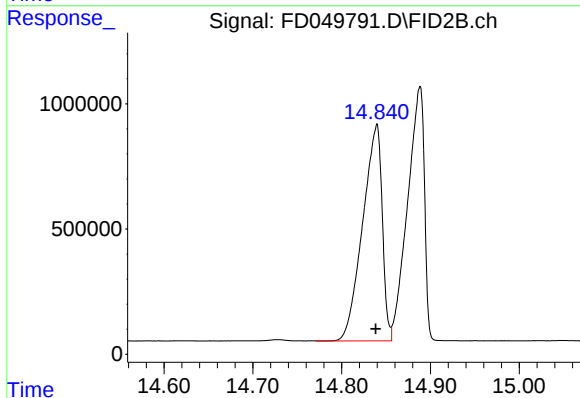
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 14684165
Conc: 105.91 ug/ml

Instrument :

FID_D

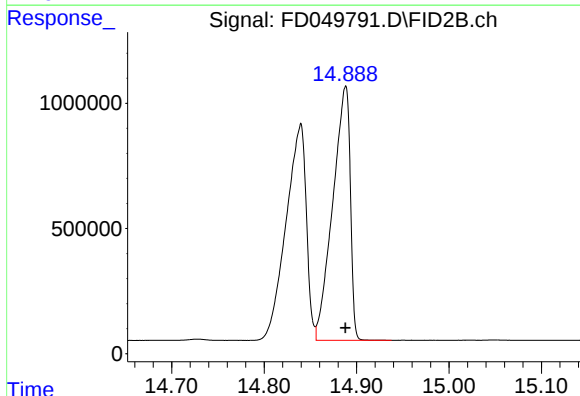
ClientSampleId :

100 PPM AROMATIC HC STD1



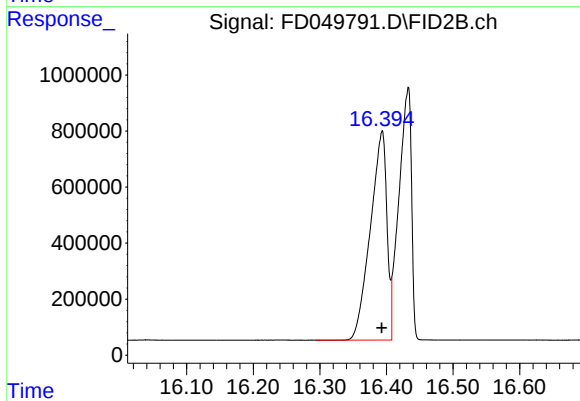
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.838 min
Delta R.T.: 0.000 min
Response: 13181939
Conc: 106.44 ug/ml



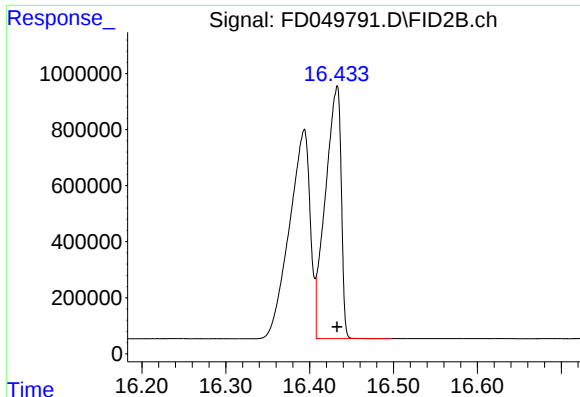
#15 Chrysene (C27.41)

R.T.: 14.887 min
Delta R.T.: -0.001 min
Response: 13333384
Conc: 106.10 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 12901391
Conc: 105.86 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

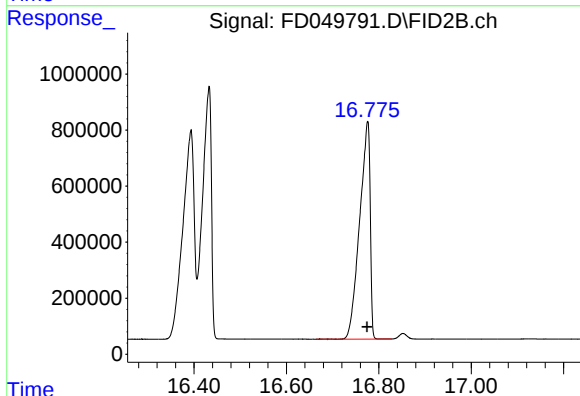
R.T.: 16.431 min
Delta R.T.: -0.001 min
Response: 11752195
Conc: 104.88 ug/ml

Instrument :

FID_D

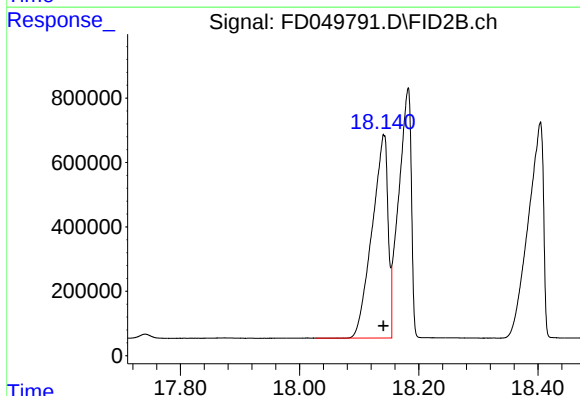
ClientSampleId :

100 PPM AROMATIC HC STD1



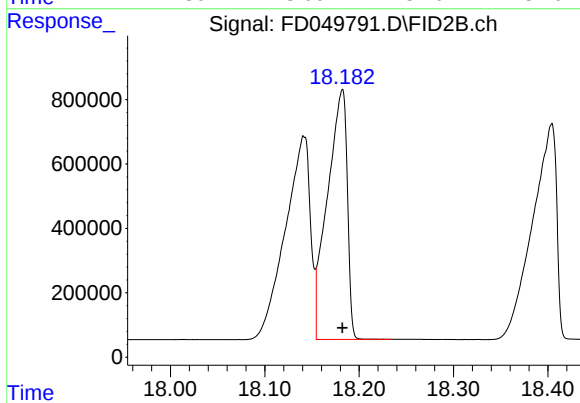
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.775 min
Delta R.T.: 0.000 min
Response: 12308141
Conc: 104.50 ug/ml



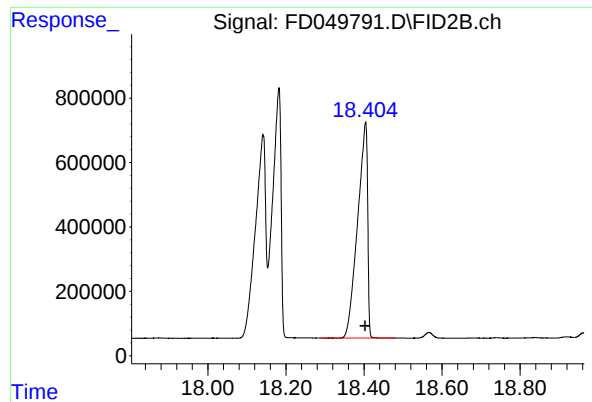
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.141 min
Delta R.T.: 0.000 min
Response: 11738329
Conc: 106.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.181 min
Delta R.T.: -0.002 min
Response: 11303844
Conc: 101.56 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.403 min
Delta R.T.: 0.000 min
Response: 11913859
Conc: 103.22 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049791.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 09:40
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.492	4.425	4.533	BV	1319000	11695090	77.24%	4.207%
2	6.037	5.974	6.131	BB	1444484	13732370	90.70%	4.939%
3	7.093	7.045	7.175	PB	1418085	14358809	94.83%	5.165%
4	7.702	7.638	7.775	BV	1216067	12297466	81.22%	4.423%
5	8.374	8.291	8.461	BB	1421582	14927854	98.59%	5.369%
6	8.569	8.495	8.630	BV	830910	8829631	58.32%	3.176%
7	8.672	8.630	8.738	PB	1346512	14932454	98.62%	5.371%
8	9.453	9.378	9.521	BB	1336922	15004127	99.09%	5.397%
9	10.852	10.810	10.884	VV	1197341	15141178	100.00%	5.446%
10	10.929	10.884	10.979	VV	1160005	14050883	92.80%	5.054%
11	11.617	11.538	11.671	BB	1316909	15083328	99.62%	5.425%
12	12.669	12.623	12.741	VB	1102573	14846106	98.05%	5.340%
13	12.967	12.901	12.989	BV	1117406	14684165	96.98%	5.282%
14	14.838	14.771	14.856	BV	849446	13181939	87.06%	4.741%
15	14.887	14.856	14.938	VB	1025959	13333384	88.06%	4.796%
16	16.393	16.294	16.408	BV	736440	12901391	85.21%	4.641%
17	16.431	16.408	16.498	VB	890029	11752195	77.62%	4.227%
18	16.775	16.665	16.828	BV	773862	12308141	81.29%	4.427%
19	18.141	18.028	18.155	BV	634651	11738329	77.53%	4.222%
20	18.181	18.155	18.235	VB	773957	11303844	74.66%	4.066%
21	18.403	18.288	18.481	BB	683316	11913859	78.69%	4.285%
Sum of corrected areas:						278016541		

Aromatic EPH 100225.M Thu Oct 02 17:58:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049792.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 10:21
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 02 12:24:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 12:20:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.698	5936602	50.546 ug/ml
Spiked Amount 50.000		Recovery =	101.09%
6) S 2-Fluorobiphenyl (SURR)	8.563	4268561	50.672 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.34%
11) S ortho-Terphenyl (SURR)	11.610	7350792	50.513 ug/ml
Spiked Amount 50.000		Recovery =	101.03%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.490	5643594	50.523 ug/ml
2) T Naphthalene (C11.7)	6.033	6603268	50.532 ug/ml
3) T 2-Methylnaphthalene (...)	7.088	6914911	50.558 ug/ml
5) T Acenaphthylene (C15.06)	8.367	7224358	50.454 ug/ml
7) T Acenaphthene (C15.5)	8.664	7230086	50.490 ug/ml
8) T Flouorene (C16.55)	9.445	7263851	50.525 ug/ml
9) T Phenanthrene (C19.36)	10.843	7319229	50.600 ug/ml
10) T Anthracene (C19.43)	10.919	6813530	50.788 ug/ml
12) T Fluoranthene (C21.85)	12.658	7188398	50.857 ug/ml
13) T Pyrene (C20.8)	12.956	7092864	50.767 ug/ml
14) T Benzo[a]anthracene (C...	14.828	6386519	51.035 ug/ml
15) T Chrysene (C27.41)	14.873	6476246	50.982 ug/ml
16) T benzo[b]fluoranthene ...	16.380	6243749	50.813 ug/ml
17) T Bnezo[k]fluoranthene ...	16.415	5846863	51.082 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.760	6034196	50.816 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.125	5612991	50.454 ug/ml
20) T Dibenz[a,h]anthracene...	18.165	5854820	51.392 ug/ml
21) T Benzo[g,h,i]perylene ...	18.384	5892870	50.698 ug/ml

(f)=RT Delta > 1/2 Window

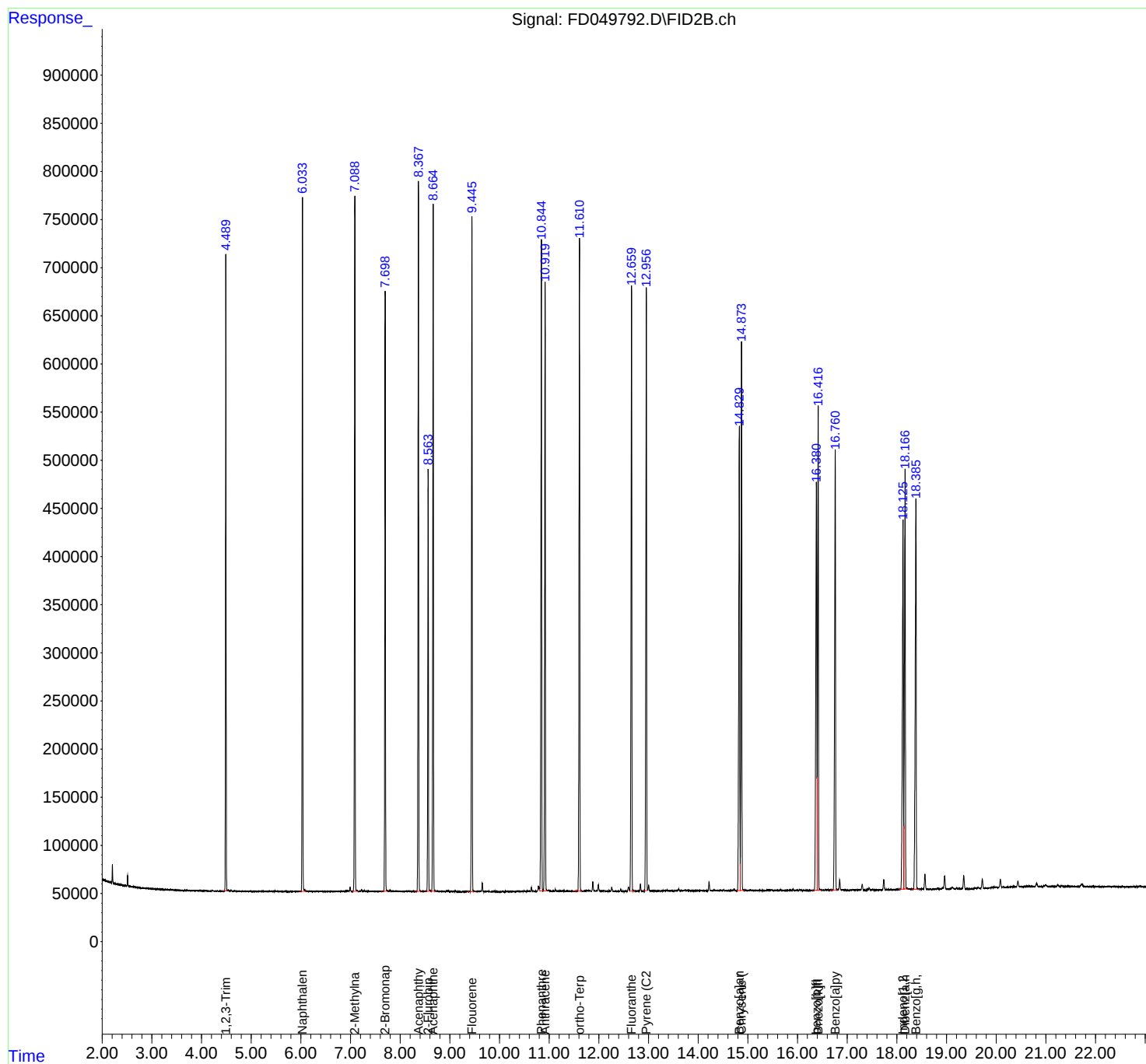
(m)=manual int.

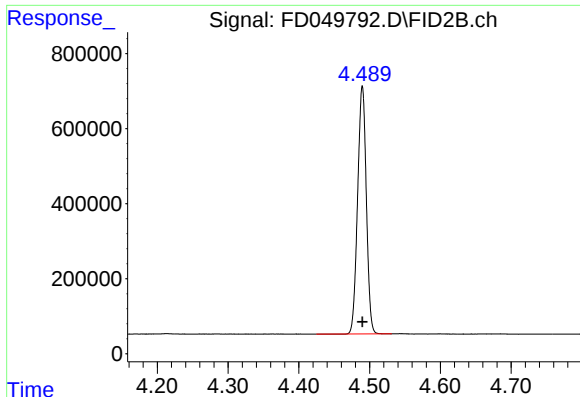
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049792.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 10:21
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 02 12:24:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 12:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

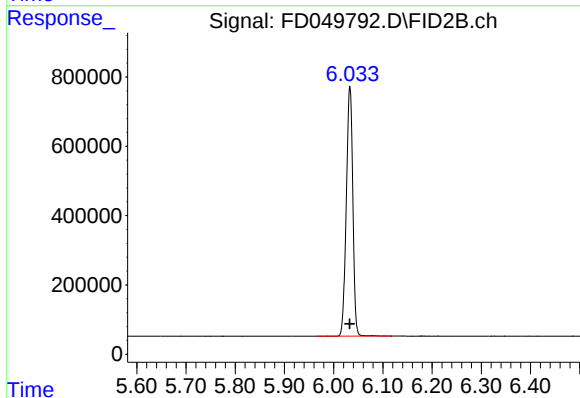




#1 1,2,3-Trimethylbenzene (C10.1)

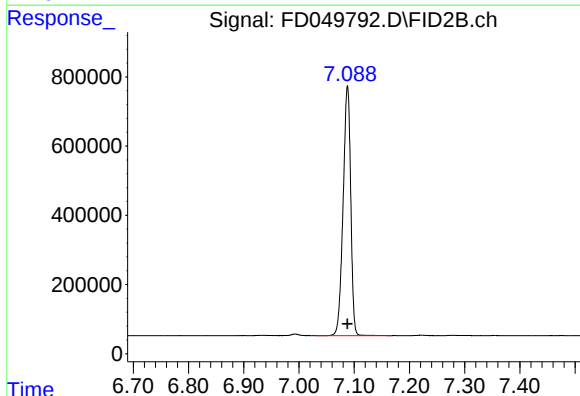
R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 5643594
Conc: 50.52 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



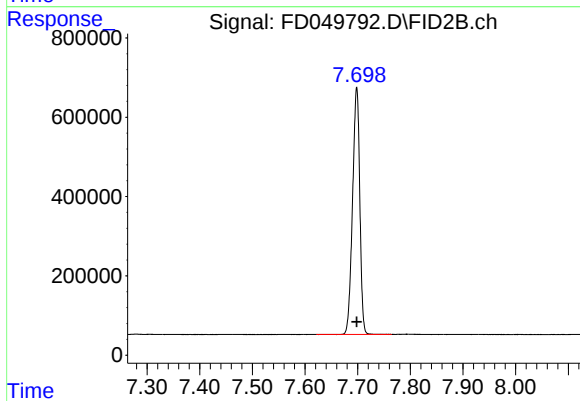
#2 Naphthalene (C11.7)

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 6603268
Conc: 50.53 ug/ml



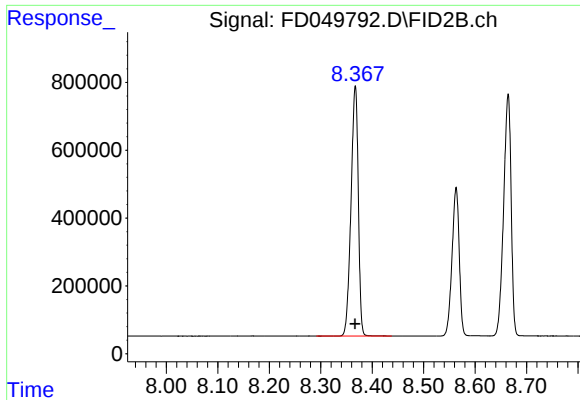
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 6914911
Conc: 50.56 ug/ml



#4 2-Bromonaphthalene (SURR)

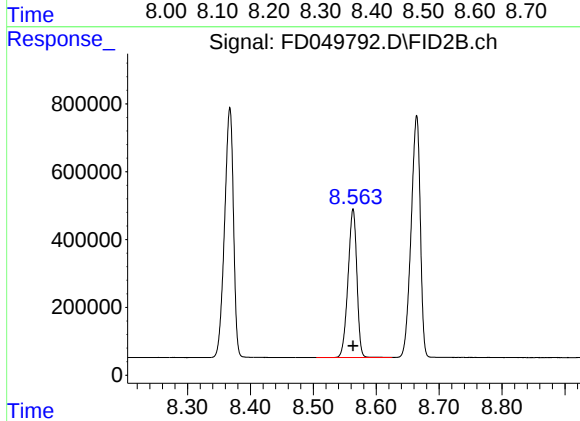
R.T.: 7.698 min
Delta R.T.: 0.000 min
Response: 5936602
Conc: 50.55 ug/ml



#5 Acenaphthylene (C15.06)

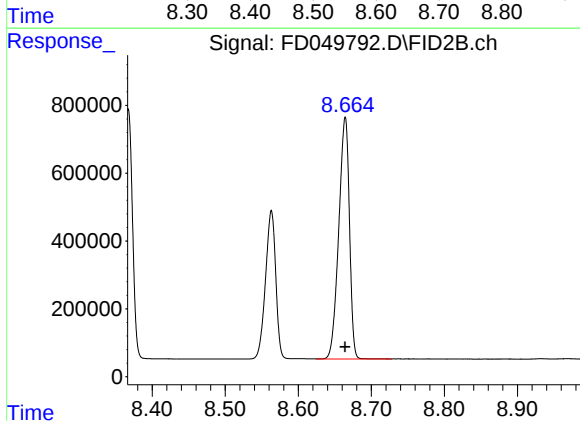
R.T.: 8.367 min
Delta R.T.: 0.000 min
Response: 7224358
Conc: 50.45 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



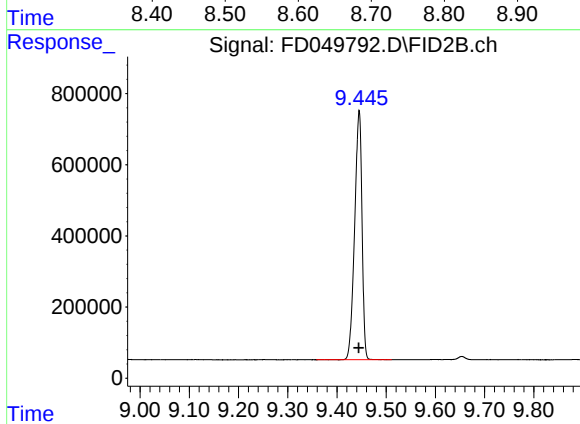
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.563 min
Delta R.T.: 0.000 min
Response: 4268561
Conc: 50.67 ug/ml



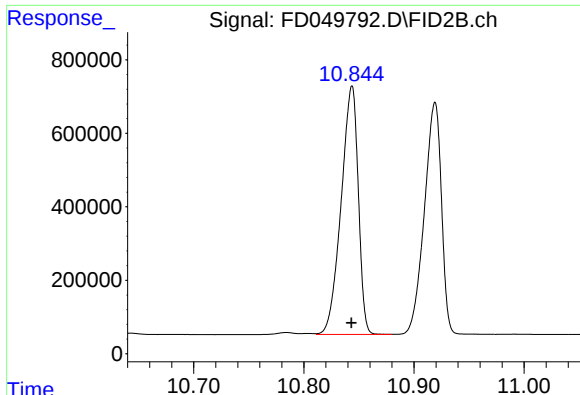
#7 Acenaphthene (C15.5)

R.T.: 8.664 min
Delta R.T.: 0.000 min
Response: 7230086
Conc: 50.49 ug/ml



#8 Flouorene (C16.55)

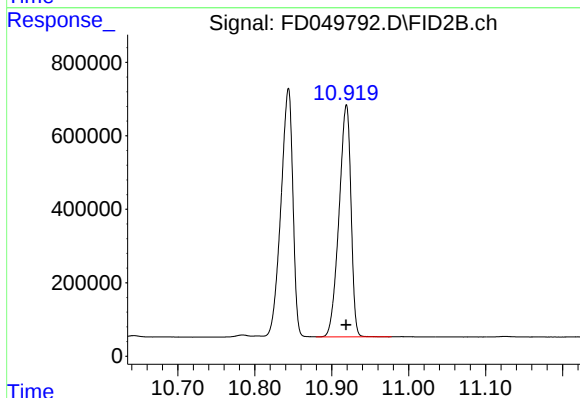
R.T.: 9.445 min
Delta R.T.: 0.000 min
Response: 7263851
Conc: 50.53 ug/ml



#9 Phenanthrene (C19.36)

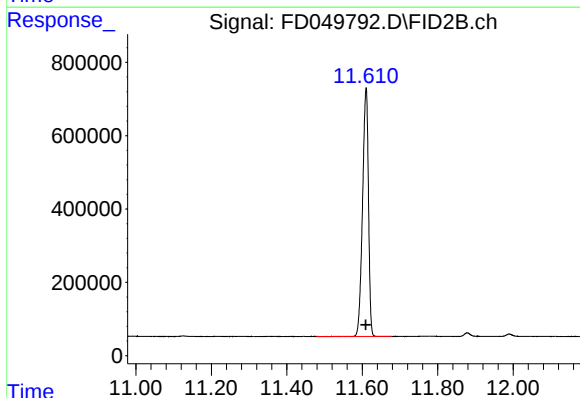
R.T.: 10.843 min
Delta R.T.: 0.000 min
Response: 7319229
Conc: 50.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



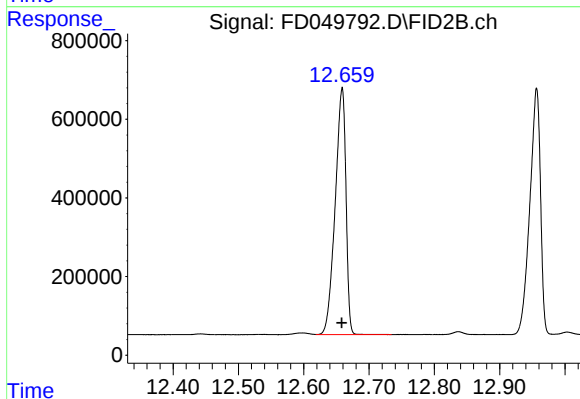
#10 Anthracene (C19.43)

R.T.: 10.919 min
Delta R.T.: 0.000 min
Response: 6813530
Conc: 50.79 ug/ml



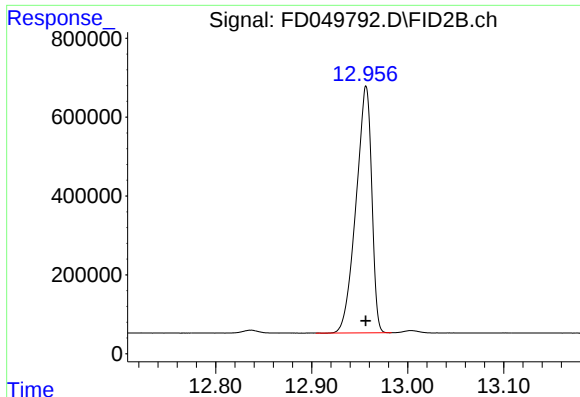
#11 ortho-Terphenyl (SURR)

R.T.: 11.610 min
Delta R.T.: 0.000 min
Response: 7350792
Conc: 50.51 ug/ml



#12 Fluoranthene (C21.85)

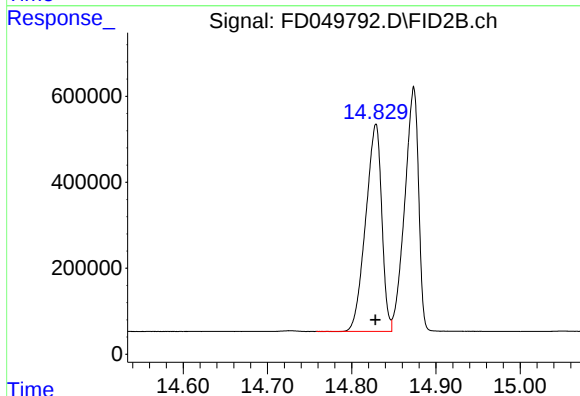
R.T.: 12.658 min
Delta R.T.: 0.000 min
Response: 7188398
Conc: 50.86 ug/ml



#13 Pyrene (C20.8)

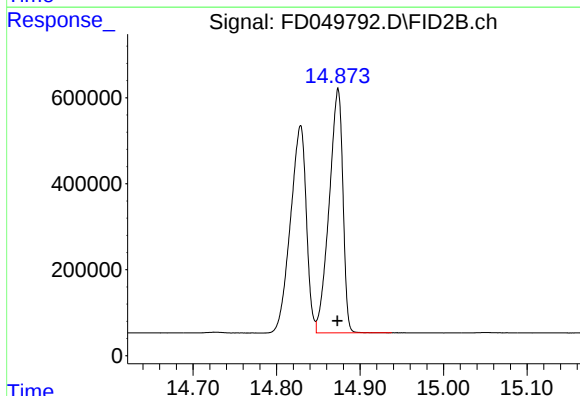
R.T.: 12.956 min
Delta R.T.: 0.000 min
Response: 7092864
Conc: 50.77 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



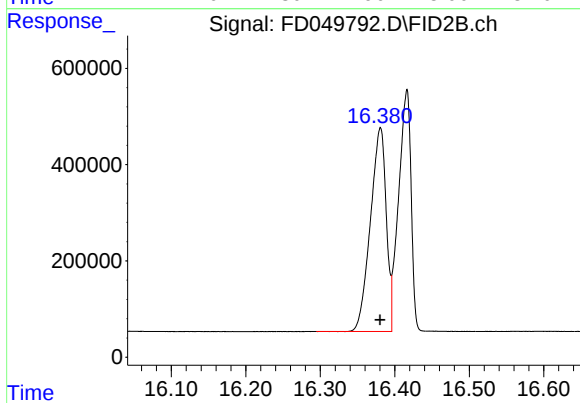
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.828 min
Delta R.T.: 0.000 min
Response: 6386519
Conc: 51.03 ug/ml



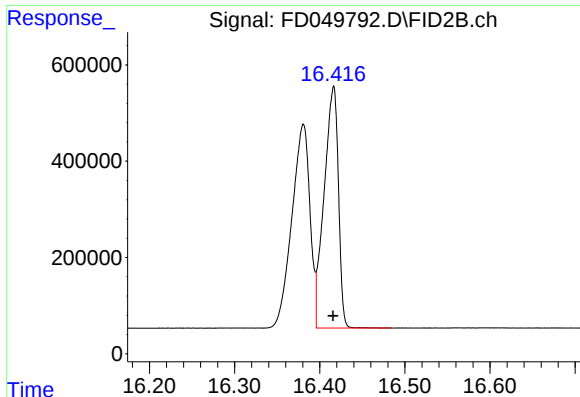
#15 Chrysene (C27.41)

R.T.: 14.873 min
Delta R.T.: 0.000 min
Response: 6476246
Conc: 50.98 ug/ml



#16 benzo[b]fluoranthene (C30.41)

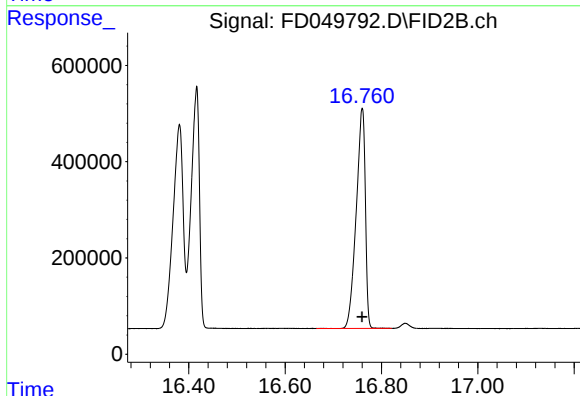
R.T.: 16.380 min
Delta R.T.: 0.000 min
Response: 6243749
Conc: 50.81 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

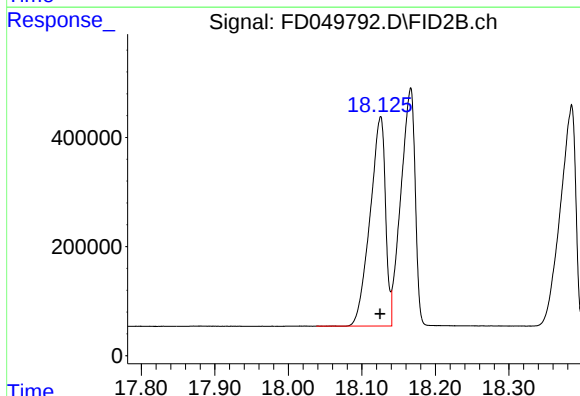
R.T.: 16.415 min
Delta R.T.: 0.000 min
Response: 5846863
Conc: 51.08 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



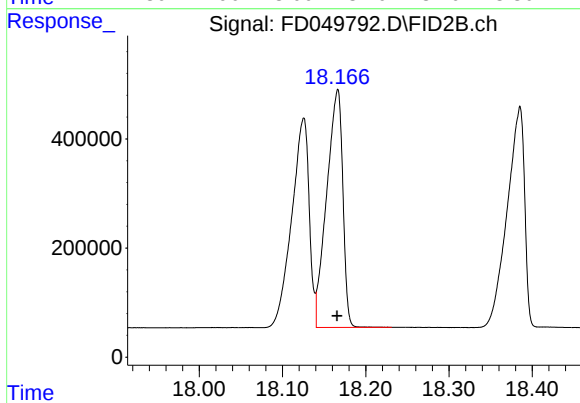
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.760 min
Delta R.T.: 0.000 min
Response: 6034196
Conc: 50.82 ug/ml



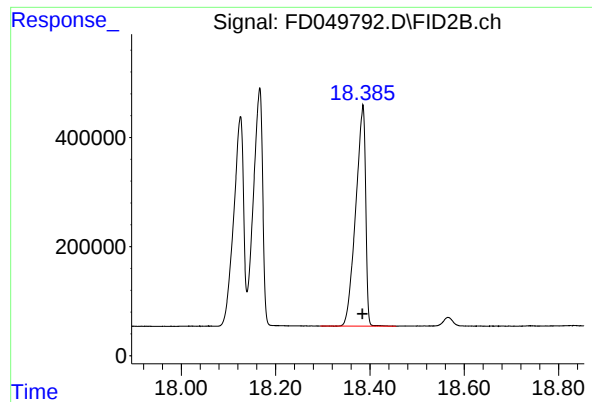
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.125 min
Delta R.T.: 0.000 min
Response: 5612991
Conc: 50.45 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.165 min
Delta R.T.: 0.000 min
Response: 5854820
Conc: 51.39 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.384 min
Delta R.T.: 0.000 min
Response: 5892870
Conc: 50.70 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049792.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 10:21
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.490	4.425	4.531	BV	661526	5643594	76.78%	4.174%
2	6.033	5.965	6.118	BB	722570	6603268	89.83%	4.884%
3	7.088	7.031	7.168	BB	724086	6914911	94.07%	5.115%
4	7.698	7.621	7.765	BB	623253	5936602	80.76%	4.391%
5	8.367	8.291	8.438	BB	743744	7224358	98.28%	5.344%
6	8.563	8.505	8.625	BV	439623	4268561	58.07%	3.157%
7	8.664	8.625	8.728	VB	718474	7230086	98.36%	5.348%
8	9.445	9.358	9.511	BB	698034	7263851	98.82%	5.373%
9	10.843	10.811	10.880	VV	688674	7319229	99.57%	5.414%
10	10.919	10.880	10.978	VV	628007	6813530	92.69%	5.040%
11	11.610	11.478	11.678	BB	688148	7350792	100.00%	5.437%
12	12.658	12.619	12.735	VB	624135	7188398	97.79%	5.317%
13	12.956	12.905	12.983	BV	633798	7092864	96.49%	5.246%
14	14.828	14.758	14.848	BV	481130	6386519	86.88%	4.724%
15	14.873	14.848	14.938	VB	576139	6476246	88.10%	4.790%
16	16.380	16.295	16.396	BV	426151	6243749	84.94%	4.618%
17	16.415	16.396	16.485	VB	493670	5846863	79.54%	4.325%
18	16.760	16.665	16.821	BB	464139	6034196	82.09%	4.463%
19	18.125	18.038	18.141	BV	382665	5612991	76.36%	4.152%
20	18.165	18.141	18.231	VB	429797	5854820	79.65%	4.331%
21	18.384	18.295	18.455	BB	403239	5892870	80.17%	4.359%
Sum of corrected areas:						135198299		

Aromatic EPH 100225.M Thu Oct 02 17:58:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049793.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 11:03
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 02 12:20:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 12:20:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.696	2212860	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.560	1580957	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.606	2774324	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	2105689	20.000 ug/ml
2) T Naphthalene (C11.7)	6.031	2452776	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.085	2568613	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.363	2715957	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.659	2713353	20.000 ug/ml
8) T Flouorene (C16.55)	9.441	2719657	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.838	2722986	20.000 ug/ml
10) T Anthracene (C19.43)	10.912	2513829	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.651	2636091	20.000 ug/ml
13) T Pyrene (C20.8)	12.949	2608820	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.820	2317428	20.000 ug/ml
15) T Chrysene (C27.41)	14.862	2364660	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.370	2294799	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.403	2178427	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.749	2249495	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.112	2082064	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.153	2232750	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.367	2234163	20.000 ug/ml

(f)=RT Delta > 1/2 Window

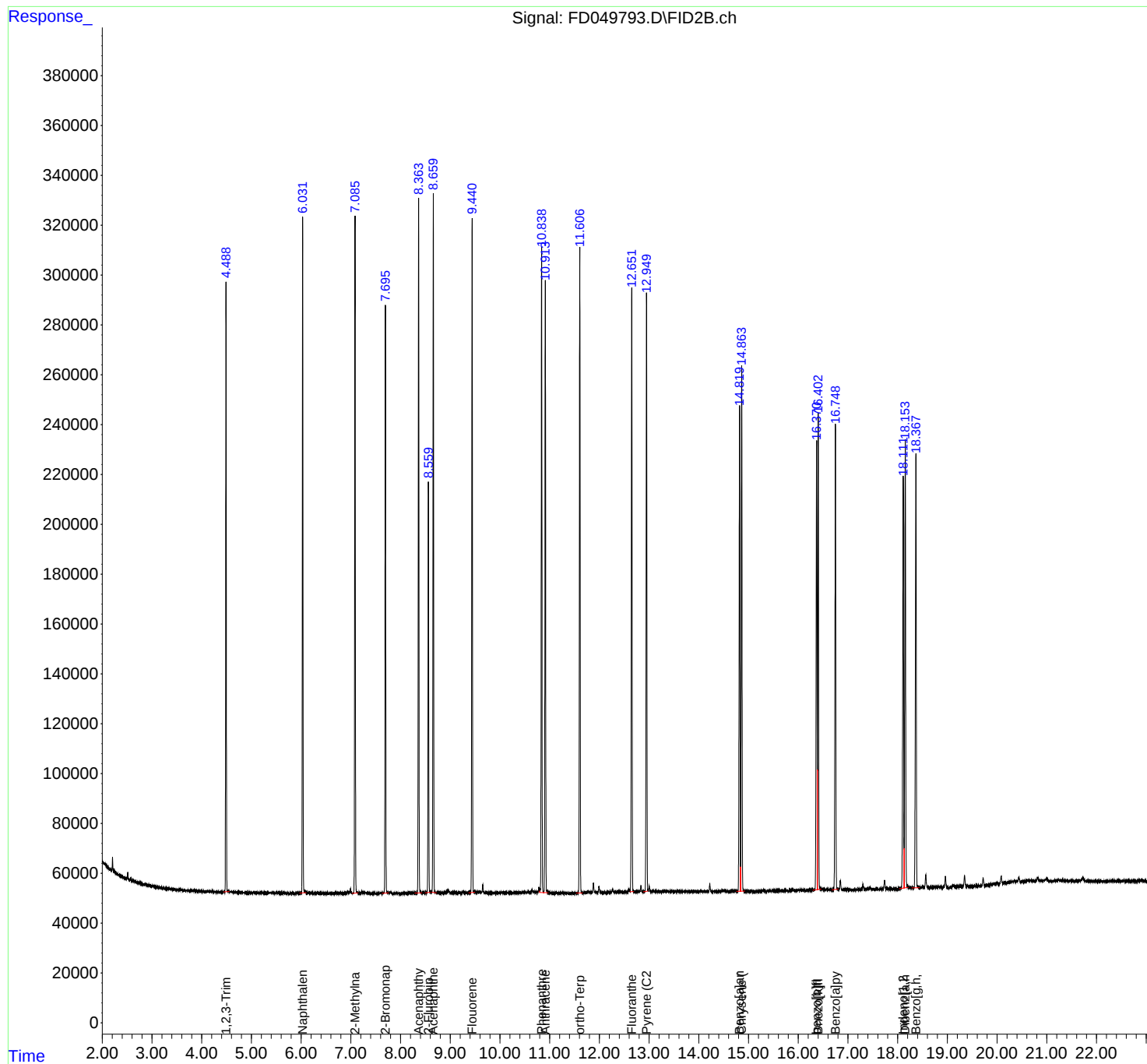
(m)=manual int.

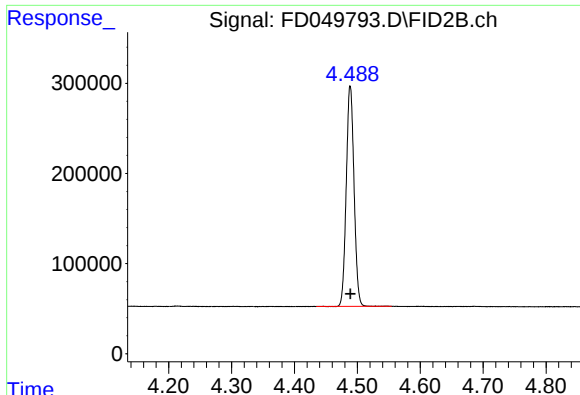
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049793.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 11:03
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 02 12:20:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 12:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

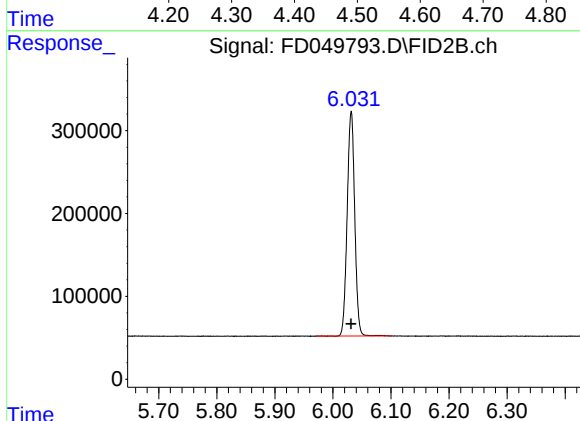




#1 1,2,3-Trimethylbenzene (C10.1)

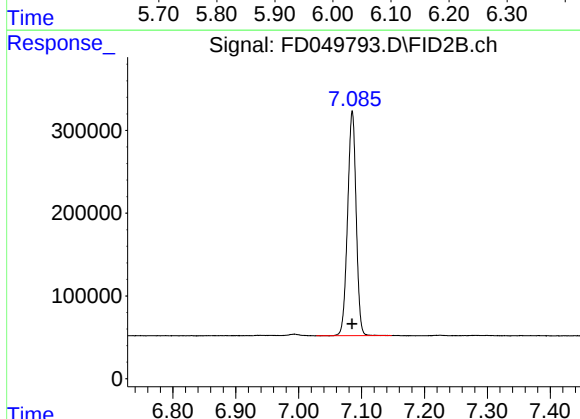
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 2105689
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



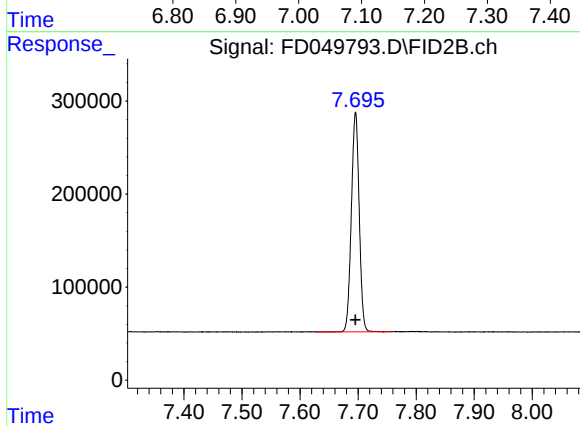
#2 Naphthalene (C11.7)

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 2452776
Conc: 20.00 ug/ml



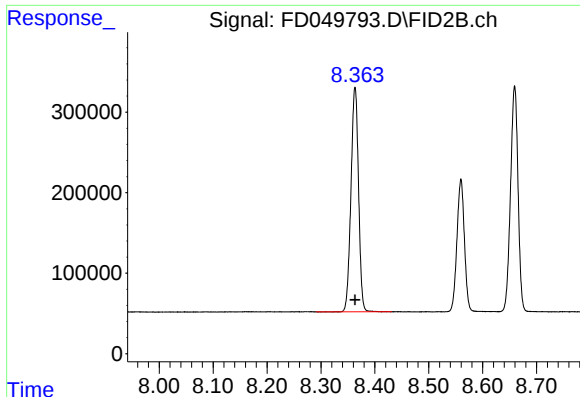
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 2568613
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

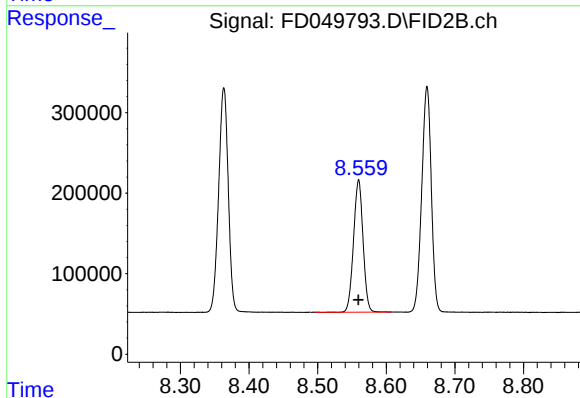
R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 2212860
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

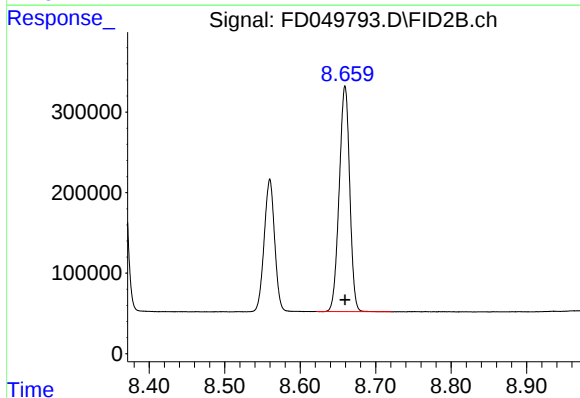
R.T.: 8.363 min
Delta R.T.: 0.000 min
Response: 2715957
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



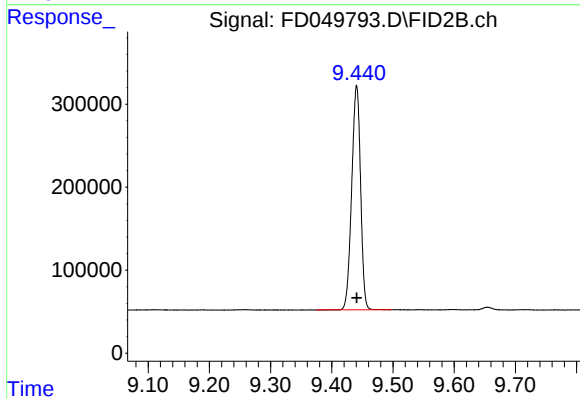
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 1580957
Conc: 20.00 ug/ml



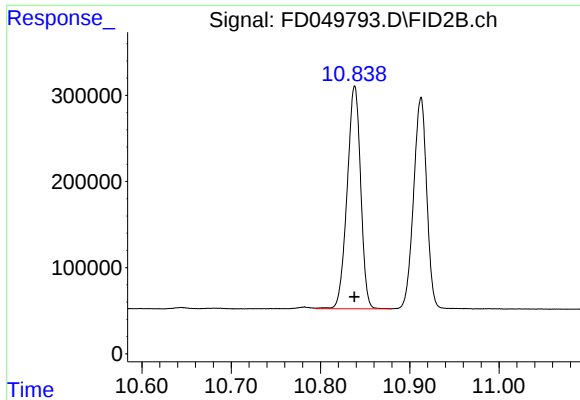
#7 Acenaphthene (C15.5)

R.T.: 8.659 min
Delta R.T.: 0.000 min
Response: 2713353
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

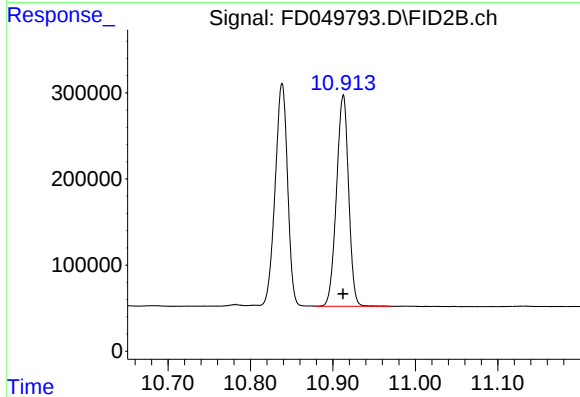
R.T.: 9.441 min
Delta R.T.: 0.000 min
Response: 2719657
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

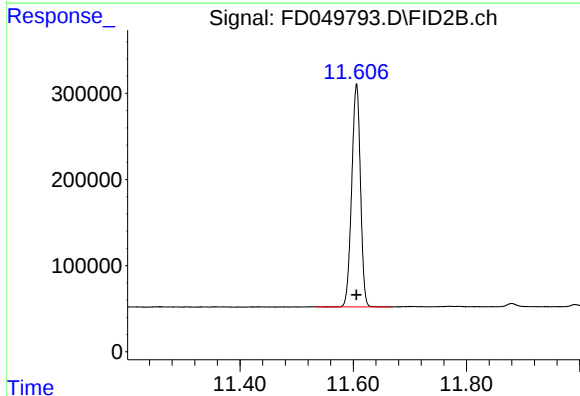
R.T.: 10.838 min
Delta R.T.: 0.000 min
Response: 2722986
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



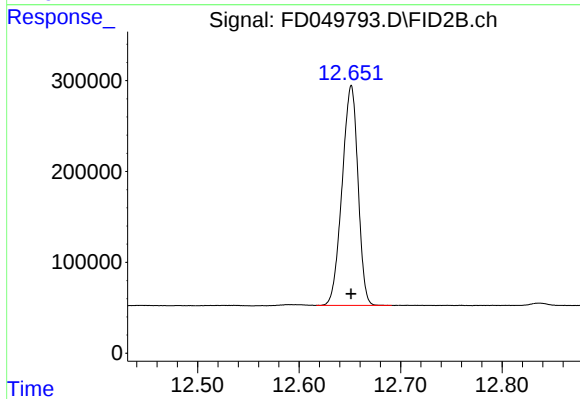
#10 Anthracene (C19.43)

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 2513829
Conc: 20.00 ug/ml



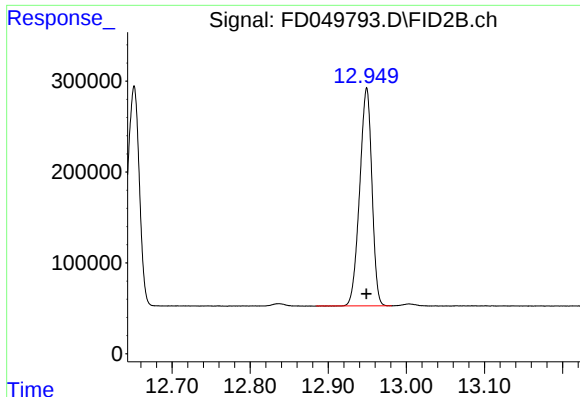
#11 ortho-Terphenyl (SURR)

R.T.: 11.606 min
Delta R.T.: 0.000 min
Response: 2774324
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

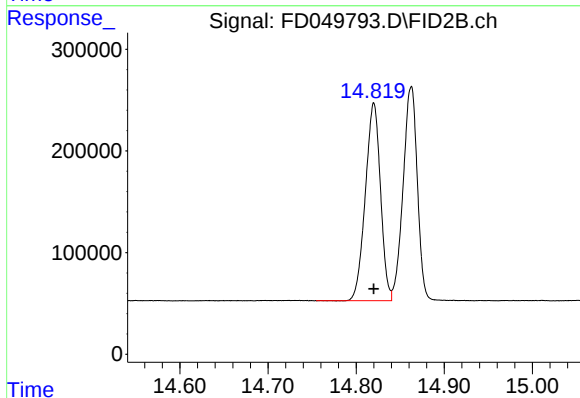
R.T.: 12.651 min
Delta R.T.: 0.000 min
Response: 2636091
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

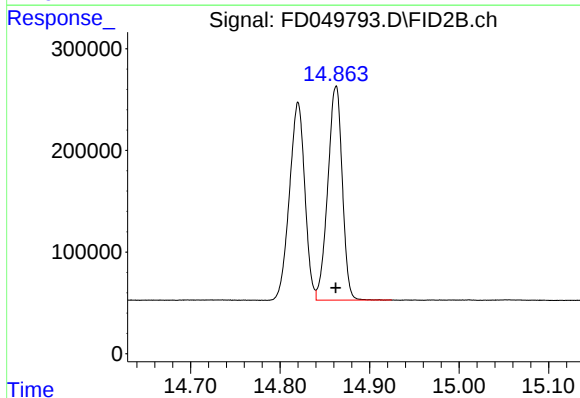
R.T.: 12.949 min
Delta R.T.: 0.000 min
Response: 2608820
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



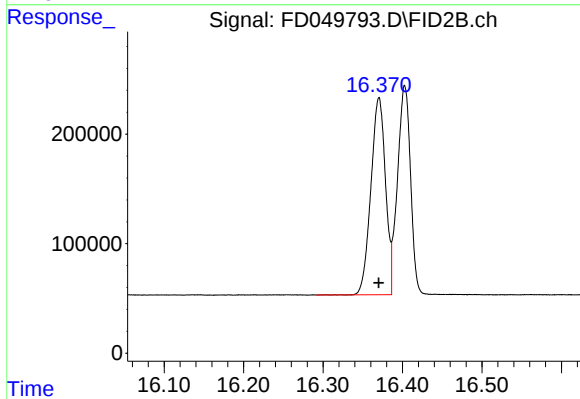
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.820 min
Delta R.T.: 0.000 min
Response: 2317428
Conc: 20.00 ug/ml



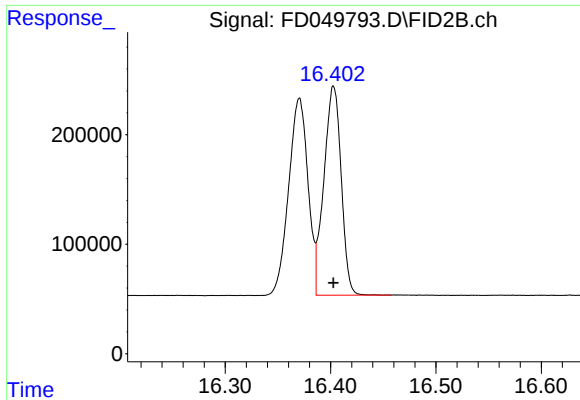
#15 Chrysene (C27.41)

R.T.: 14.862 min
Delta R.T.: 0.000 min
Response: 2364660
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

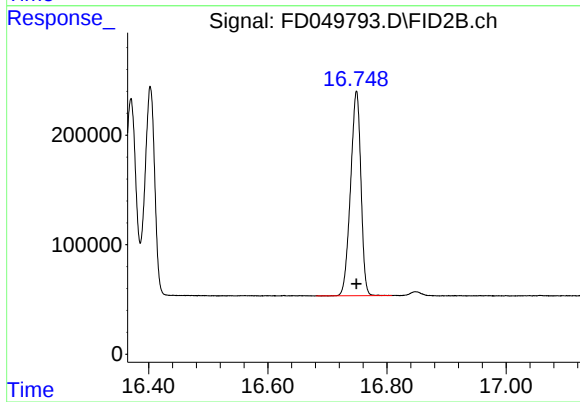
R.T.: 16.370 min
Delta R.T.: 0.000 min
Response: 2294799
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

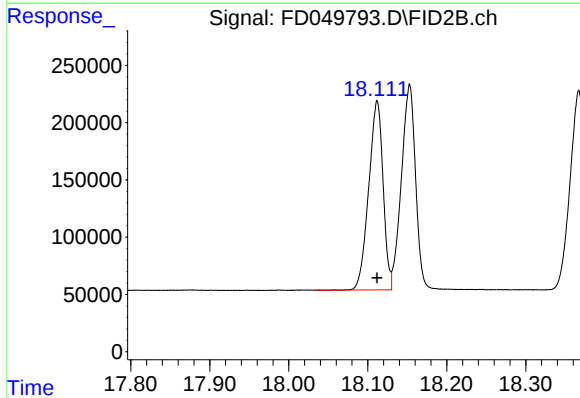
R.T.: 16.403 min
Delta R.T.: 0.000 min
Response: 2178427
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



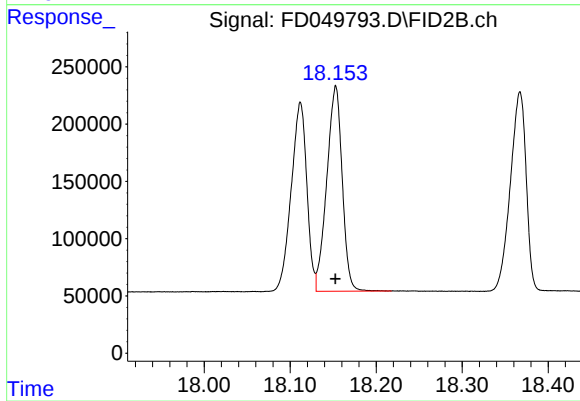
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.749 min
Delta R.T.: 0.000 min
Response: 2249495
Conc: 20.00 ug/ml



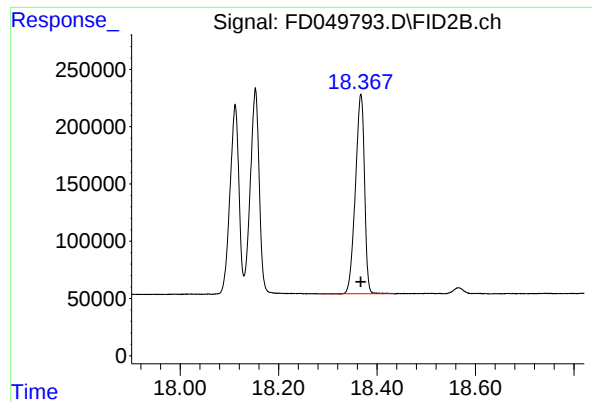
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.112 min
Delta R.T.: 0.000 min
Response: 2082064
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.153 min
Delta R.T.: 0.000 min
Response: 2232750
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.367 min
Delta R.T.: 0.000 min
Response: 2234163
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049793.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 11:03
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.489	4.435	4.555	BB	244964	2105689	75.90%	4.188%
2	6.031	5.971	6.101	BB	270363	2452776	88.41%	4.878%
3	7.085	7.028	7.148	BB	270197	2568613	92.59%	5.109%
4	7.696	7.628	7.758	BB	233804	2212860	79.76%	4.401%
5	8.363	8.291	8.431	BB	279944	2715957	97.90%	5.402%
6	8.560	8.498	8.608	BB	164425	1580957	56.99%	3.144%
7	8.659	8.621	8.721	BB	277965	2713353	97.80%	5.397%
8	9.441	9.375	9.498	BB	271187	2719657	98.03%	5.409%
9	10.838	10.795	10.880	VV	259050	2722986	98.15%	5.416%
10	10.912	10.880	10.971	VB	243607	2513829	90.61%	5.000%
11	11.606	11.535	11.668	BB	256870	2774324	100.00%	5.518%
12	12.651	12.617	12.691	VB	242221	2636091	95.02%	5.243%
13	12.949	12.885	12.981	BV	237532	2608820	94.03%	5.189%
14	14.820	14.755	14.840	BV	194958	2317428	83.53%	4.609%
15	14.862	14.840	14.925	VB	210669	2364660	85.23%	4.703%
16	16.370	16.291	16.386	BV	180116	2294799	82.72%	4.564%
17	16.403	16.386	16.458	VB	190261	2178427	78.52%	4.333%
18	16.749	16.681	16.808	BB	186364	2249495	81.08%	4.474%
19	18.112	18.035	18.130	BV	164543	2082064	75.05%	4.141%
20	18.153	18.130	18.218	VB	176381	2232750	80.48%	4.441%
21	18.367	18.285	18.438	BB	174860	2234163	80.53%	4.443%
Sum of corrected areas:							50279698	

Aromatic EPH 100225.M Thu Oct 02 17:59:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049794.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 11:44
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Oct 02 12:26:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 12:20:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.695	1121613	9.658 ug/ml
Spiked Amount 50.000		Recovery =	19.32%
6) S 2-Fluorobiphenyl (SURR)	8.559	797850	9.598 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.20%
11) S ortho-Terphenyl (SURR)	11.604	1433684	9.889 ug/ml
Spiked Amount 50.000		Recovery =	19.78%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	1067300	9.662 ug/ml
2) T Naphthalene (C11.7)	6.031	1240935	9.617 ug/ml
3) T 2-Methylnaphthalene (...)	7.084	1297331	9.609 ug/ml
5) T Acenaphthylene (C15.06)	8.362	1391846	9.789 ug/ml
7) T Acenaphthene (C15.5)	8.658	1385186	9.753 ug/ml
8) T Flouorene (C16.55)	9.439	1387589	9.736 ug/ml
9) T Phenanthrene (C19.36)	10.836	1384009	9.673 ug/ml
10) T Anthracene (C19.43)	10.910	1285293	9.682 ug/ml
12) T Fluoranthene (C21.85)	12.649	1331086	9.557 ug/ml
13) T Pyrene (C20.8)	12.947	1316543	9.561 ug/ml
14) T Benzo[a]anthracene (C...	14.818	1175266	9.537 ug/ml
15) T Chrysene (C27.41)	14.860	1211361	9.648 ug/ml
16) T benzo[b]fluoranthene ...	16.367	1168552	9.628 ug/ml
17) T Bnezo[k]fluoranthene ...	16.398	1122024	9.851 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.745	1152013	9.774 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.108	1059628	9.639 ug/ml
20) T Dibenz[a,h]anthracene...	18.150	1201776	10.406 ug/ml
21) T Benzo[g,h,i]perylene ...	18.362	1152773	9.938 ug/ml

(f)=RT Delta > 1/2 Window

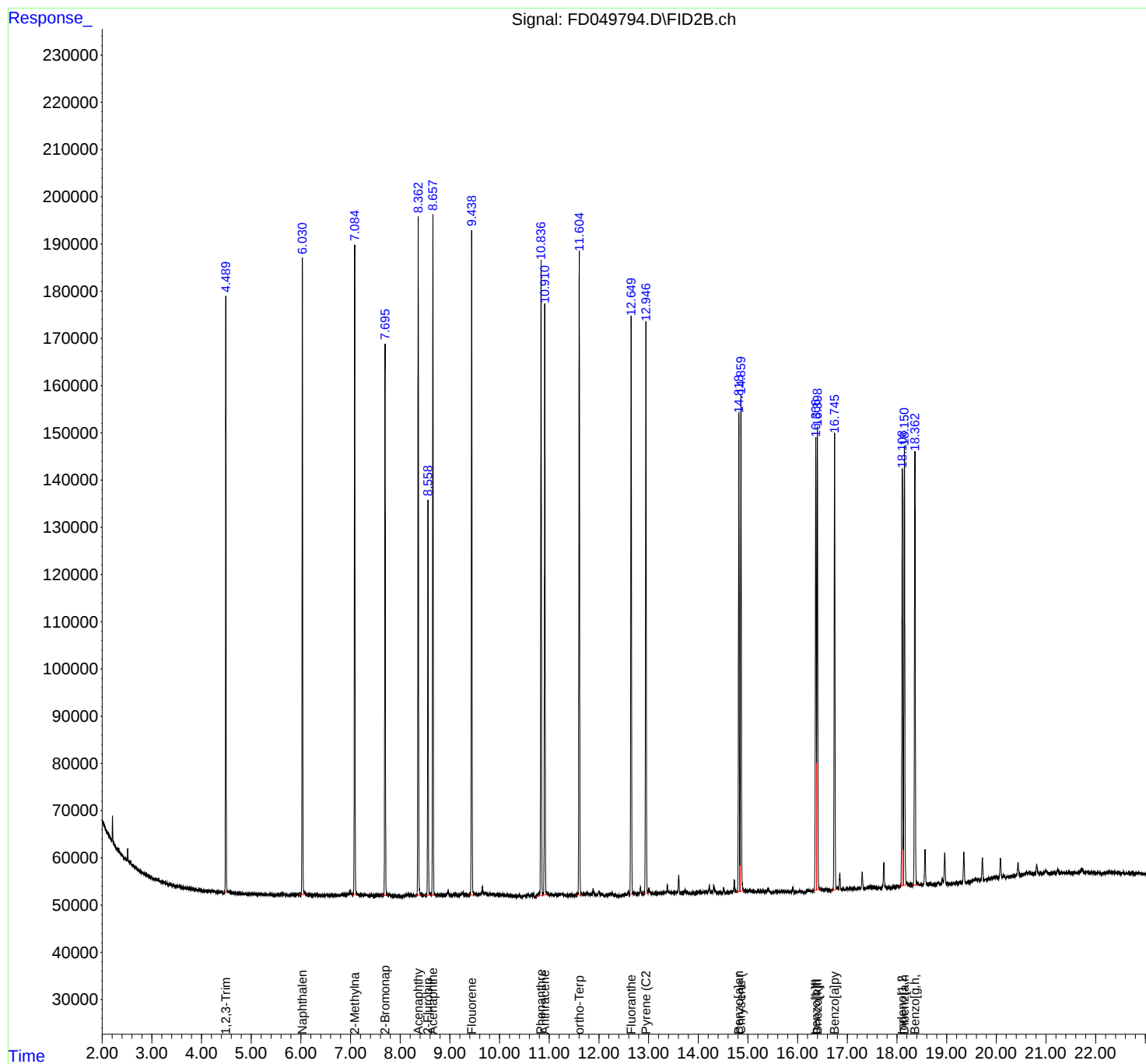
(m)=manual int.

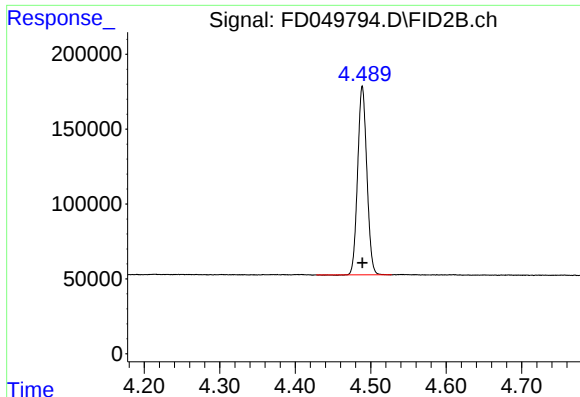
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049794.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 11:44
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 02 12:26:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 12:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

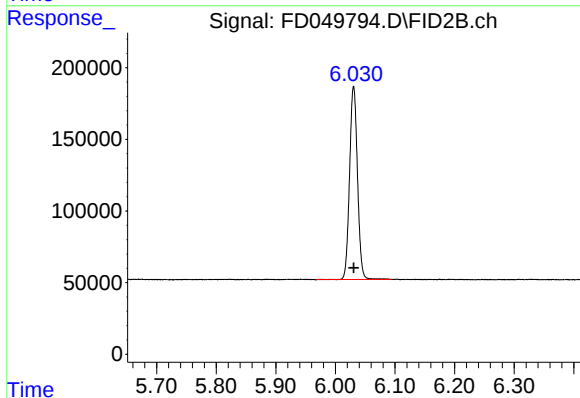




#1 1,2,3-Trimethylbenzene (C10.1)

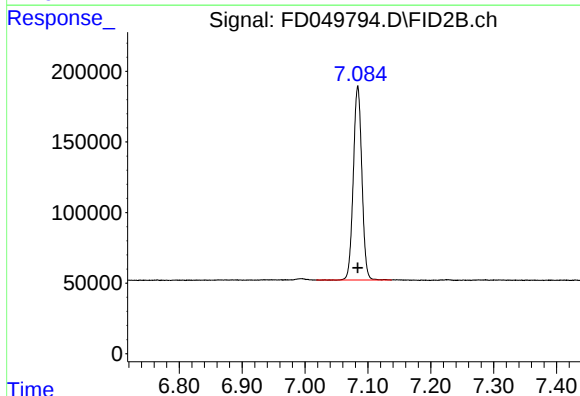
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 1067300
Conc: 9.66 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



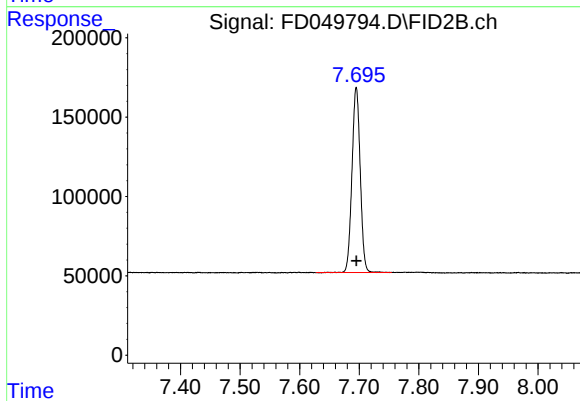
#2 Naphthalene (C11.7)

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 1240935
Conc: 9.62 ug/ml



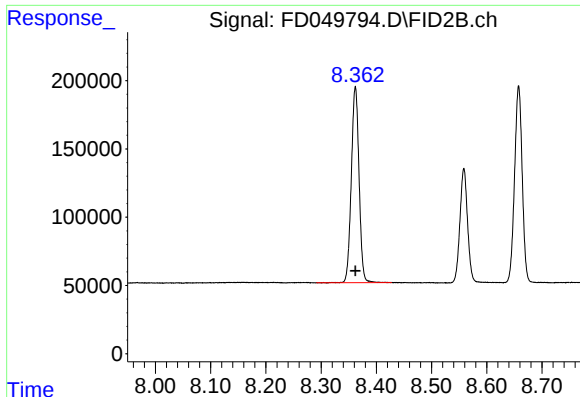
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.084 min
Delta R.T.: 0.000 min
Response: 1297331
Conc: 9.61 ug/ml



#4 2-Bromonaphthalene (SURR)

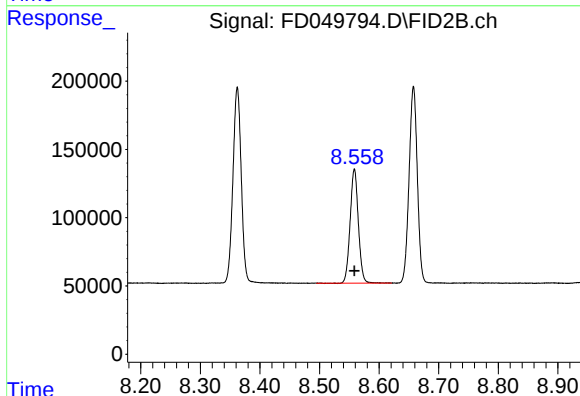
R.T.: 7.695 min
Delta R.T.: 0.000 min
Response: 1121613
Conc: 9.66 ug/ml



#5 Acenaphthylene (C15.06)

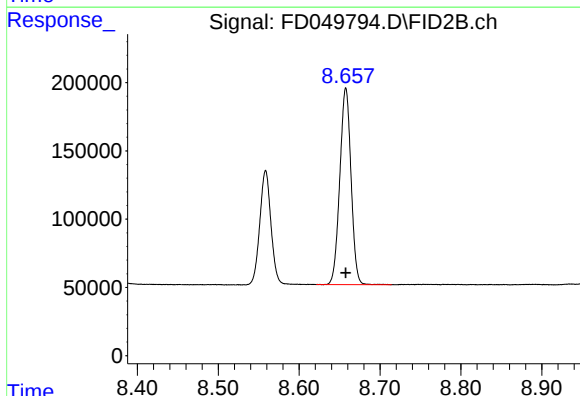
R.T.: 8.362 min
Delta R.T.: 0.000 min
Response: 1391846
Conc: 9.79 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



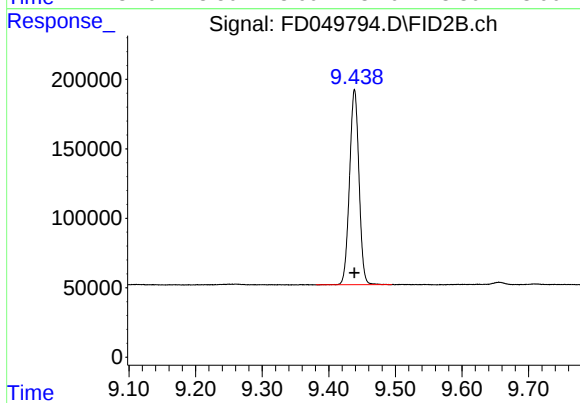
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.559 min
Delta R.T.: 0.000 min
Response: 797850
Conc: 9.60 ug/ml



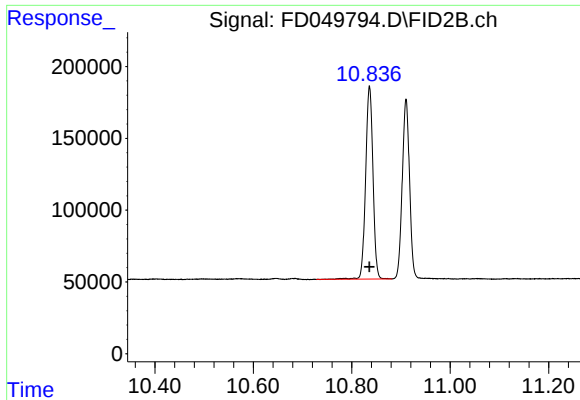
#7 Acenaphthene (C15.5)

R.T.: 8.658 min
Delta R.T.: 0.000 min
Response: 1385186
Conc: 9.75 ug/ml



#8 Fluorene (C16.55)

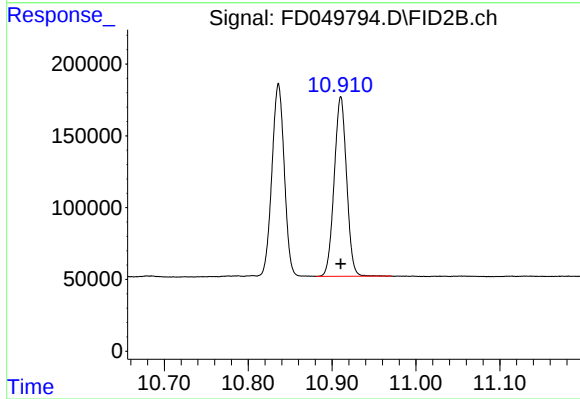
R.T.: 9.439 min
Delta R.T.: 0.000 min
Response: 1387589
Conc: 9.74 ug/ml



#9 Phenanthrene (C19.36)

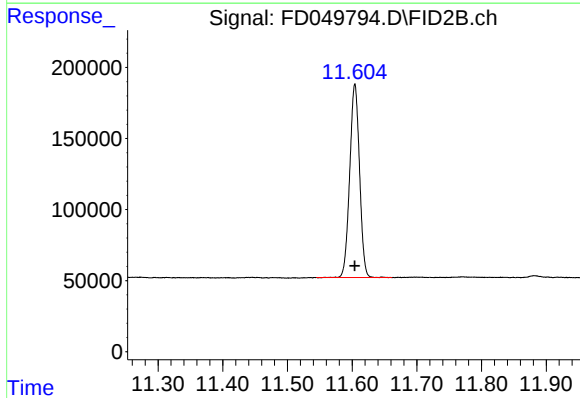
R.T.: 10.836 min
Delta R.T.: 0.000 min
Response: 1384009
Conc: 9.67 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



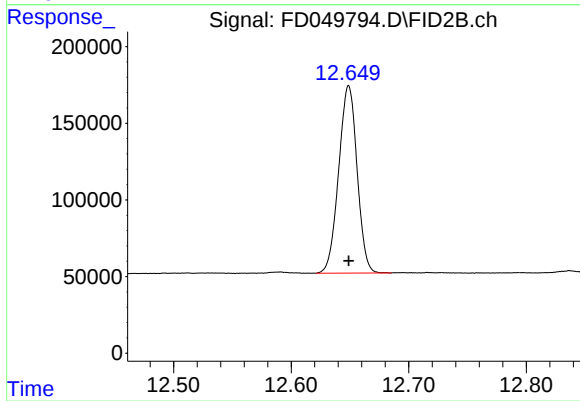
#10 Anthracene (C19.43)

R.T.: 10.910 min
Delta R.T.: 0.000 min
Response: 1285293
Conc: 9.68 ug/ml



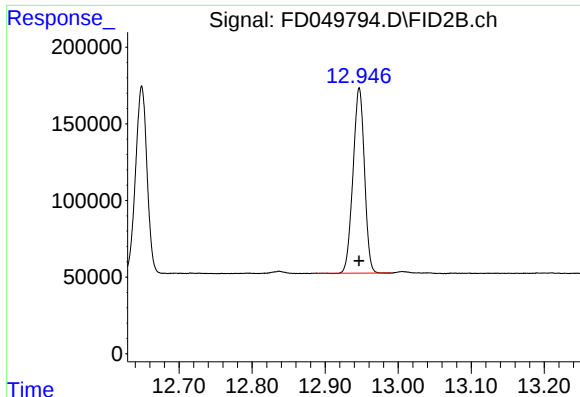
#11 ortho-Terphenyl (SURR)

R.T.: 11.604 min
Delta R.T.: 0.000 min
Response: 1433684
Conc: 9.89 ug/ml



#12 Fluoranthene (C21.85)

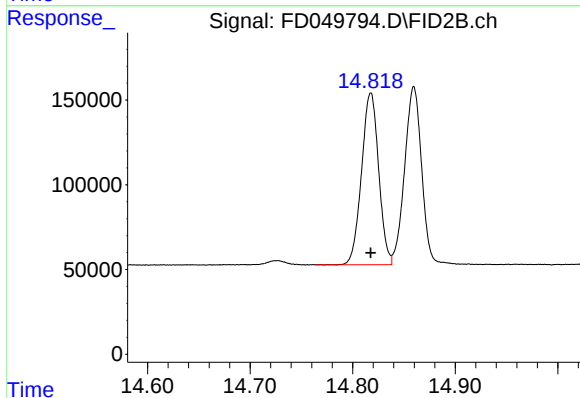
R.T.: 12.649 min
Delta R.T.: 0.000 min
Response: 1331086
Conc: 9.56 ug/ml



#13 Pyrene (C20.8)

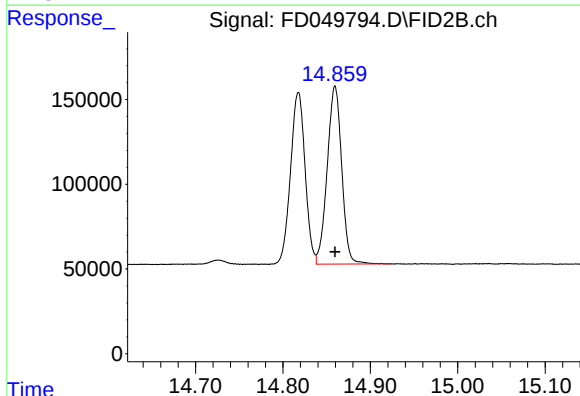
R.T.: 12.947 min
Delta R.T.: 0.000 min
Response: 1316543
Conc: 9.56 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



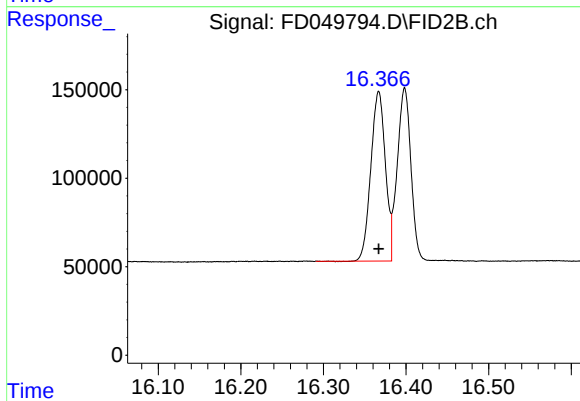
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.818 min
Delta R.T.: 0.000 min
Response: 1175266
Conc: 9.54 ug/ml



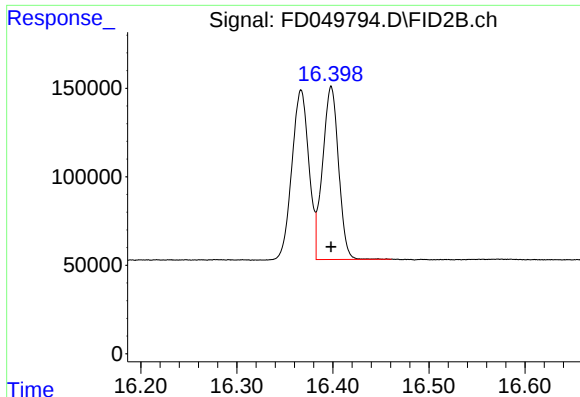
#15 Chrysene (C27.41)

R.T.: 14.860 min
Delta R.T.: 0.000 min
Response: 1211361
Conc: 9.65 ug/ml



#16 benzo[b]fluoranthene (C30.41)

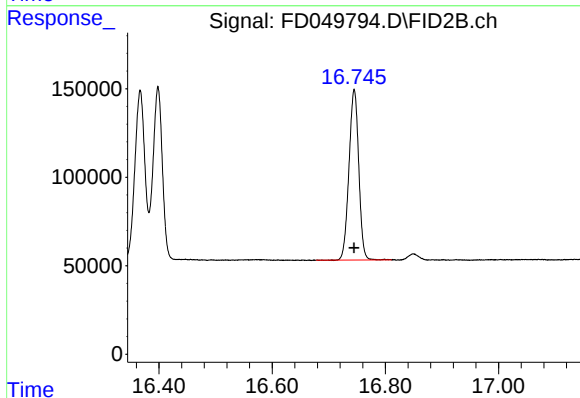
R.T.: 16.367 min
Delta R.T.: 0.000 min
Response: 1168552
Conc: 9.63 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

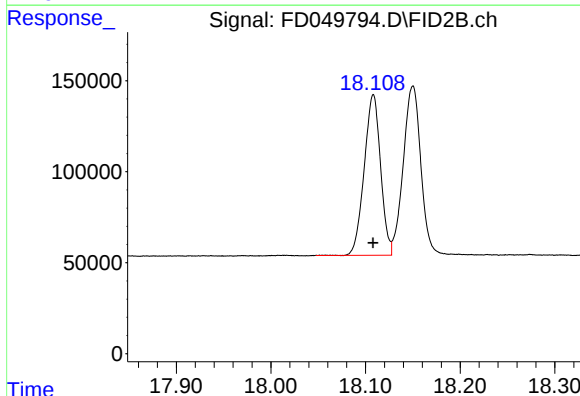
R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 1122024
Conc: 9.85 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



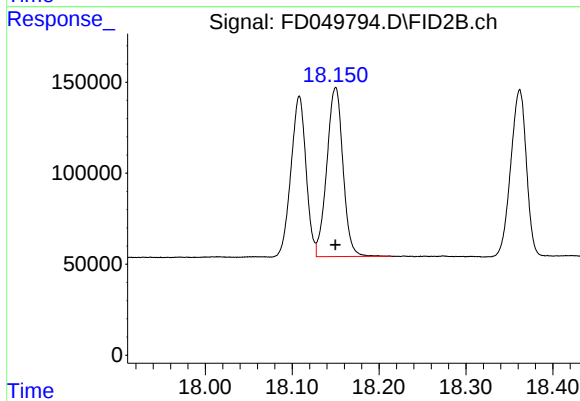
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.745 min
Delta R.T.: 0.000 min
Response: 1152013
Conc: 9.77 ug/ml



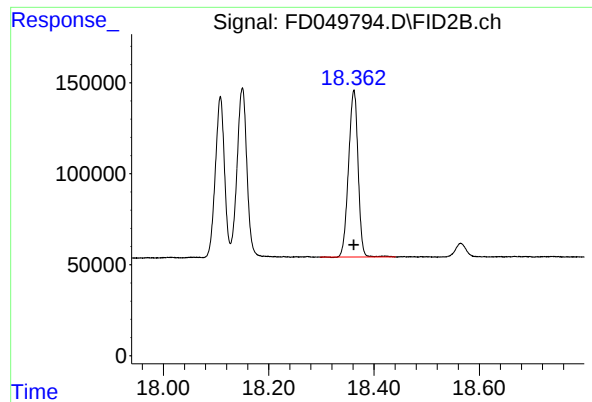
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.108 min
Delta R.T.: 0.000 min
Response: 1059628
Conc: 9.64 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.150 min
Delta R.T.: 0.000 min
Response: 1201776
Conc: 10.41 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.362 min
Delta R.T.: 0.000 min
Response: 1152773
Conc: 9.94 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049794.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 11:44
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.489	4.428	4.528	BB	124889	1067300	74.44%	4.156%
2	6.031	5.968	6.094	BB	134670	1240935	86.56%	4.832%
3	7.084	7.018	7.138	BB	136894	1297331	90.49%	5.051%
4	7.695	7.628	7.754	BB	116650	1121613	78.23%	4.367%
5	8.362	8.291	8.428	BB	142959	1391846	97.08%	5.419%
6	8.559	8.494	8.621	BB	83215	797850	55.65%	3.106%
7	8.658	8.621	8.714	BB	143942	1385186	96.62%	5.393%
8	9.439	9.381	9.494	BB	139735	1387589	96.78%	5.403%
9	10.836	10.728	10.881	BV	132859	1384009	96.54%	5.389%
10	10.910	10.881	10.971	VB	125294	1285293	89.65%	5.004%
11	11.604	11.544	11.661	BB	136171	1433684	100.00%	5.582%
12	12.649	12.621	12.685	BB	121892	1331086	92.84%	5.183%
13	12.947	12.888	12.991	BV	121005	1316543	91.83%	5.126%
14	14.818	14.764	14.838	BV	101559	1175266	81.98%	4.576%
15	14.860	14.838	14.924	VB	105058	1211361	84.49%	4.716%
16	16.367	16.291	16.382	BV	96093	1168552	81.51%	4.550%
17	16.398	16.382	16.461	VB	97624	1122024	78.26%	4.369%
18	16.745	16.678	16.811	BB	96277	1152013	80.35%	4.485%
19	18.108	18.048	18.128	BV	88268	1059628	73.91%	4.126%
20	18.150	18.128	18.214	VB	93493	1201776	83.82%	4.679%
21	18.362	18.298	18.441	BB	91459	1152773	80.41%	4.488%
Sum of corrected areas:							25683659	

Aromatic EPH 100225.M Thu Oct 02 17:59:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049795.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 12:26
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 02 17:49:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:49:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.695	647815	5.452 ug/ml
Spiked Amount 50.000		Recovery =	10.90%
6) S 2-Fluorobiphenyl (SURR)	8.559	460004	5.418 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.84%
11) S ortho-Terphenyl (SURR)	11.605	832449	5.576 ug/ml
Spiked Amount 50.000		Recovery =	11.15%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.490	631885	5.560 ug/ml
2) T Naphthalene (C11.7)	6.031	717794	5.440 ug/ml
3) T 2-Methylnaphthalene (...)	7.084	758806	5.484 ug/ml
5) T Acenaphthylene (C15.06)	8.362	808838	5.536 ug/ml
7) T Acenaphthene (C15.5)	8.657	799705	5.492 ug/ml
8) T Flouorene (C16.55)	9.438	800622	5.482 ug/ml
9) T Phenanthrene (C19.36)	10.836	792782	5.423 ug/ml
10) T Anthracene (C19.43)	10.910	742335	5.463 ug/ml
12) T Fluoranthene (C21.85)	12.649	775923	5.446 ug/ml
13) T Pyrene (C20.8)	12.946	760412	5.409 ug/ml
14) T Benzo[a]anthracene (C...	14.817	679446	5.402 ug/ml
15) T Chrysene (C27.41)	14.858	700625	5.454 ug/ml
16) T benzo[b]fluoranthene ...	16.366	686760	5.513 ug/ml
17) T Bnezo[k]fluoranthene ...	16.397	658709	5.608 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.744	676758	5.577 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.107	612429	5.447 ug/ml
20) T Dibenz[a,h]anthracene...	18.149	746709	6.108 ug/ml
21) T Benzo[g,h,i]perylene ...	18.360	670210	5.604 ug/ml

(f)=RT Delta > 1/2 Window

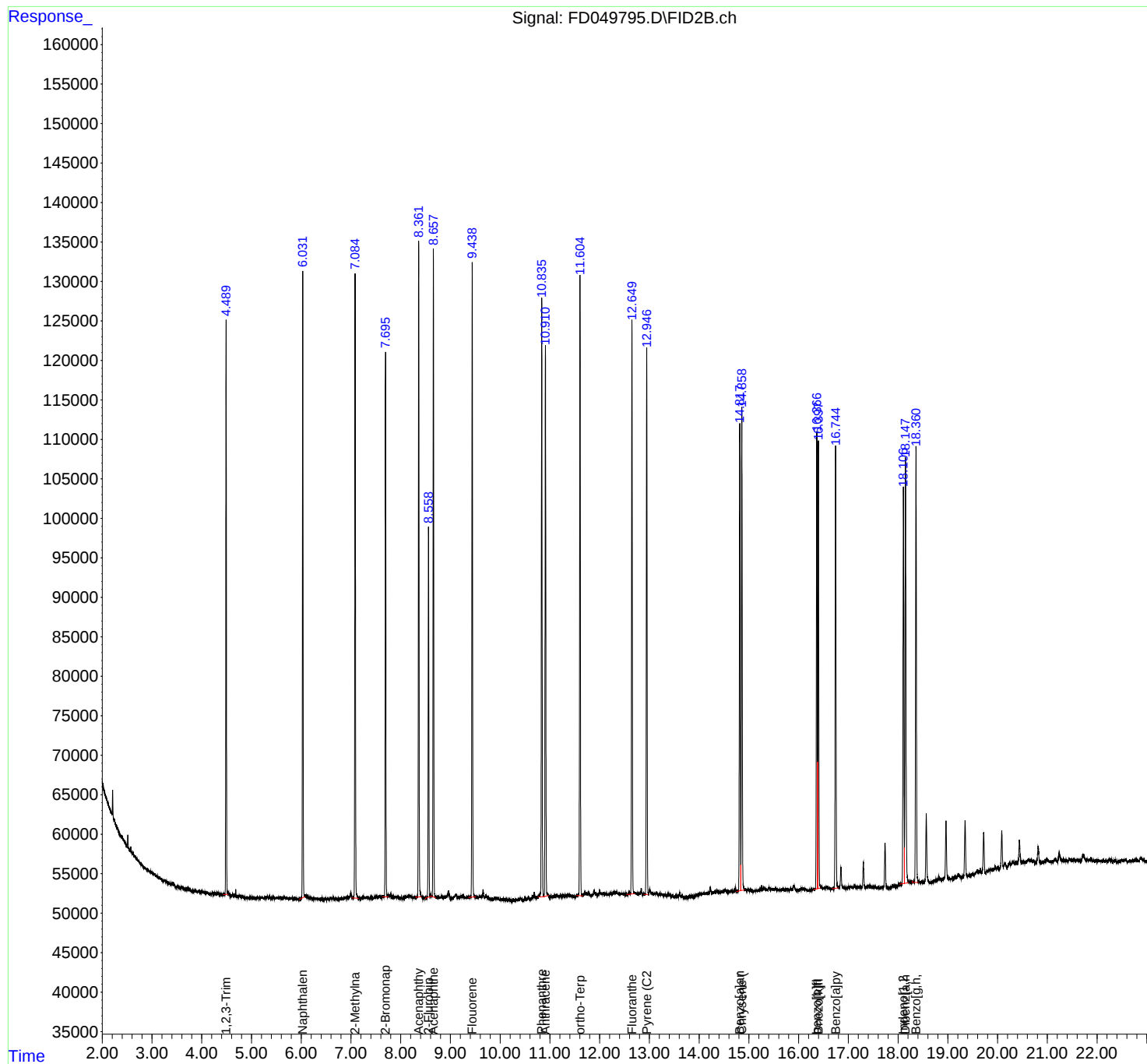
(m)=manual int.

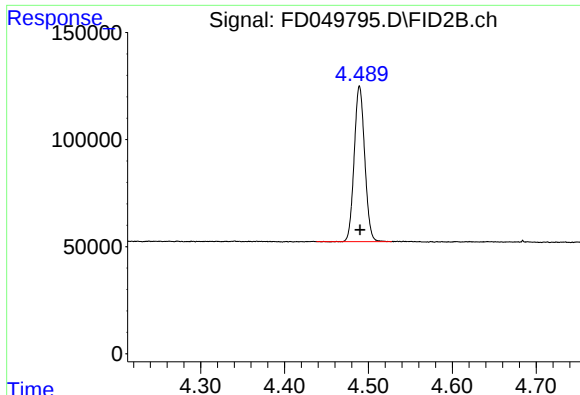
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049795.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 12:26
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 02 17:49:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:49:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

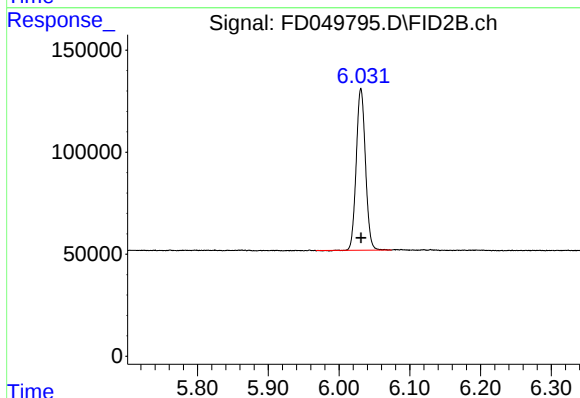




#1 1,2,3-Trimethylbenzene (C10.1)

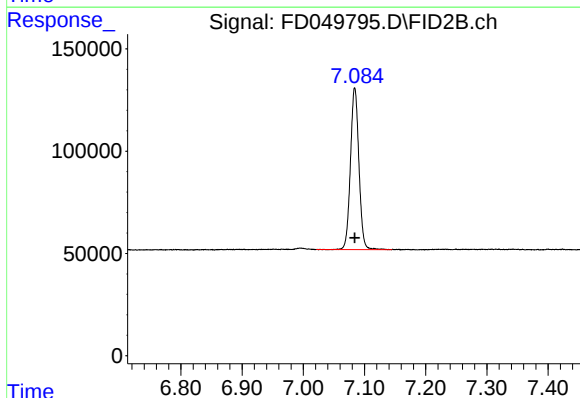
R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 631885
Conc: 5.56 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



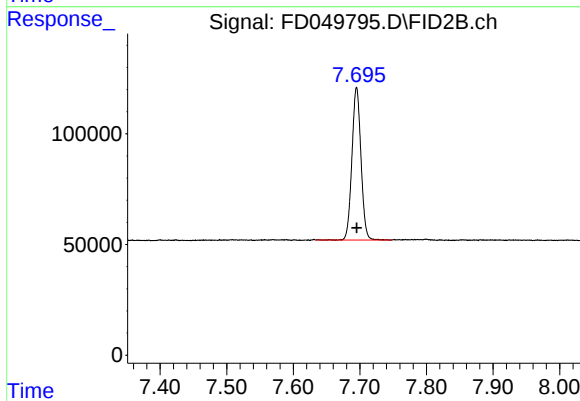
#2 Naphthalene (C11.7)

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 717794
Conc: 5.44 ug/ml



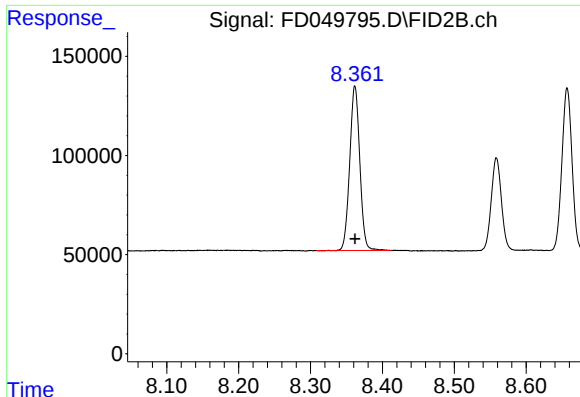
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.084 min
Delta R.T.: 0.000 min
Response: 758806
Conc: 5.48 ug/ml



#4 2-Bromonaphthalene (SURR)

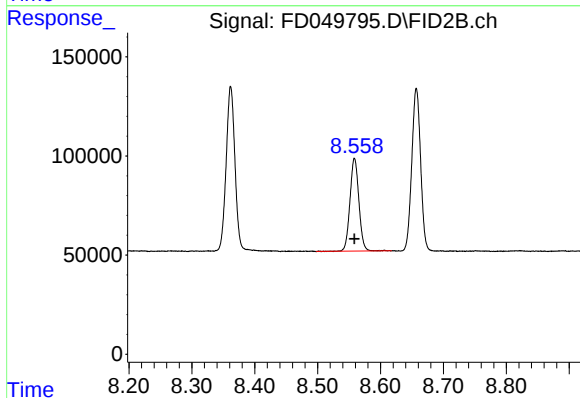
R.T.: 7.695 min
Delta R.T.: 0.000 min
Response: 647815
Conc: 5.45 ug/ml



#5 Acenaphthylene (C15.06)

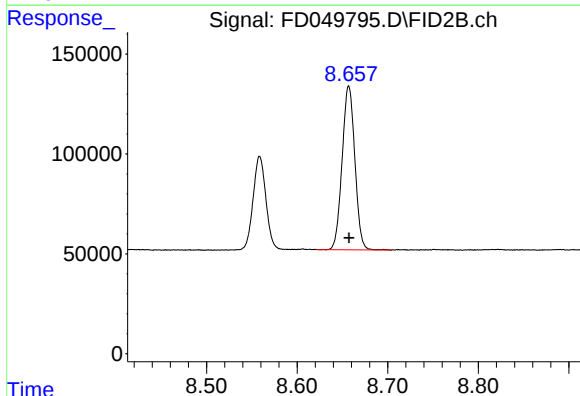
R.T.: 8.362 min
Delta R.T.: 0.000 min
Response: 808838
Conc: 5.54 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



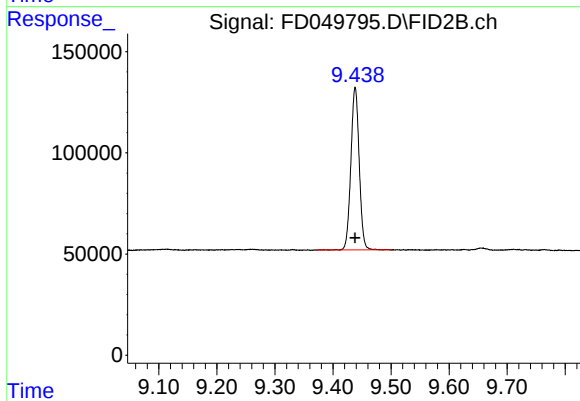
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.559 min
Delta R.T.: 0.000 min
Response: 460004
Conc: 5.42 ug/ml



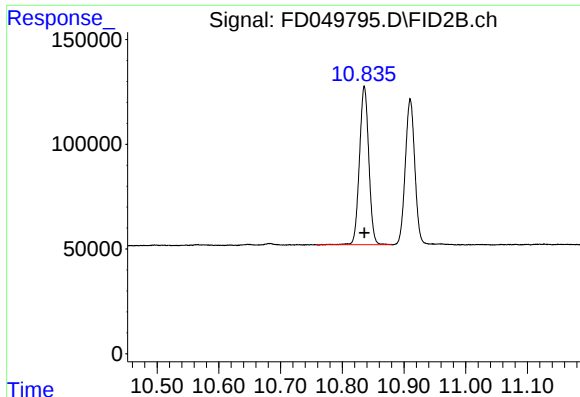
#7 Acenaphthene (C15.5)

R.T.: 8.657 min
Delta R.T.: 0.000 min
Response: 799705
Conc: 5.49 ug/ml



#8 Fluorene (C16.55)

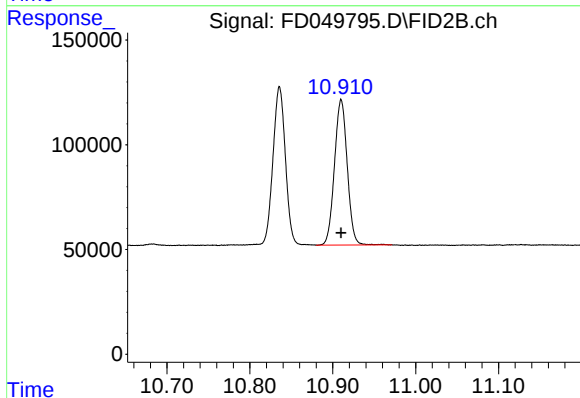
R.T.: 9.438 min
Delta R.T.: 0.000 min
Response: 800622
Conc: 5.48 ug/ml



#9 Phenanthrene (C19.36)

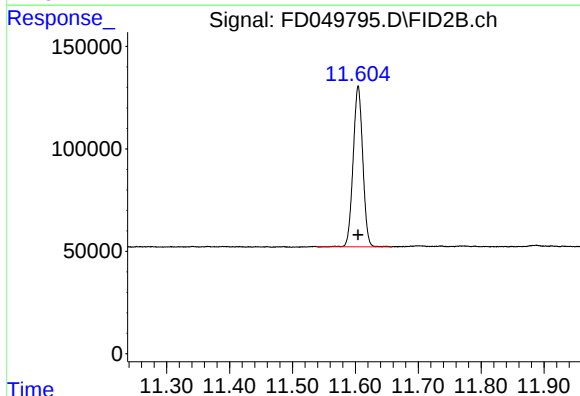
R.T.: 10.836 min
Delta R.T.: 0.000 min
Response: 792782
Conc: 5.42 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



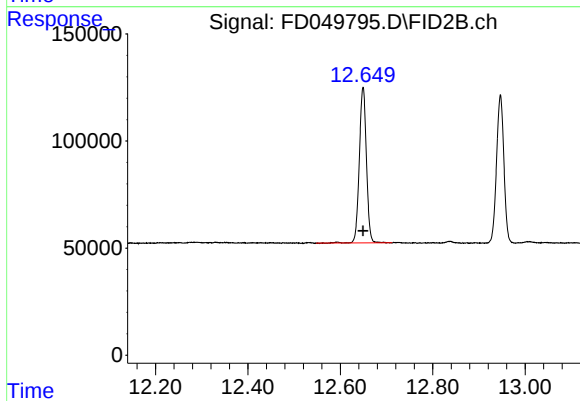
#10 Anthracene (C19.43)

R.T.: 10.910 min
Delta R.T.: 0.000 min
Response: 742335
Conc: 5.46 ug/ml



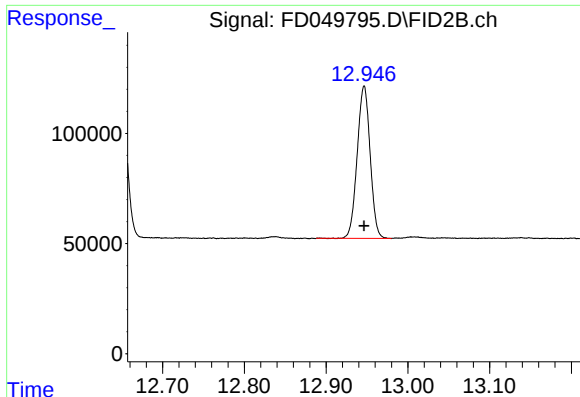
#11 ortho-Terphenyl (SURR)

R.T.: 11.605 min
Delta R.T.: 0.000 min
Response: 832449
Conc: 5.58 ug/ml



#12 Fluoranthene (C21.85)

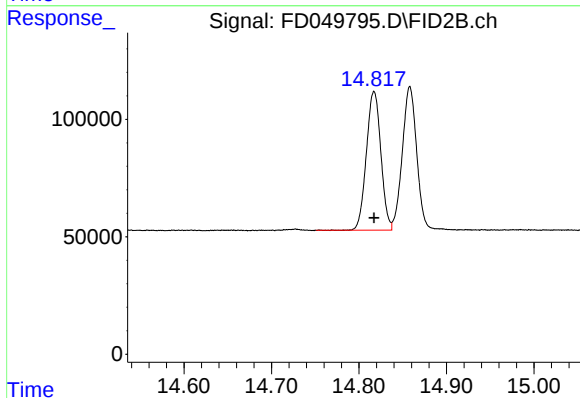
R.T.: 12.649 min
Delta R.T.: 0.000 min
Response: 775923
Conc: 5.45 ug/ml



#13 Pyrene (C20.8)

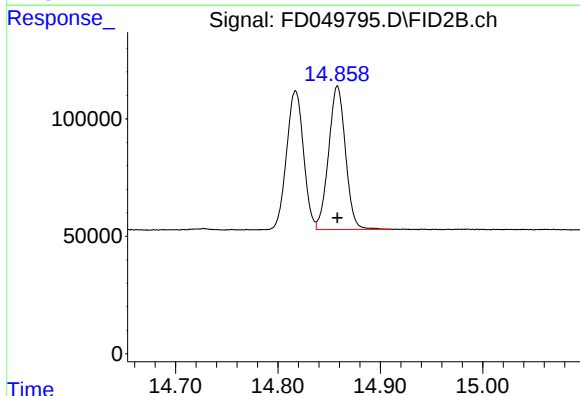
R.T.: 12.946 min
Delta R.T.: 0.000 min
Response: 760412
Conc: 5.41 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



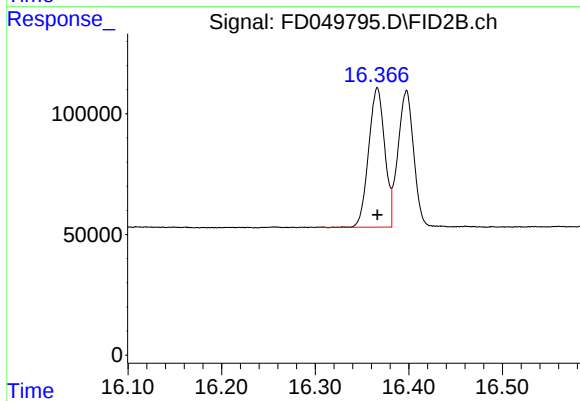
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.817 min
Delta R.T.: 0.000 min
Response: 679446
Conc: 5.40 ug/ml



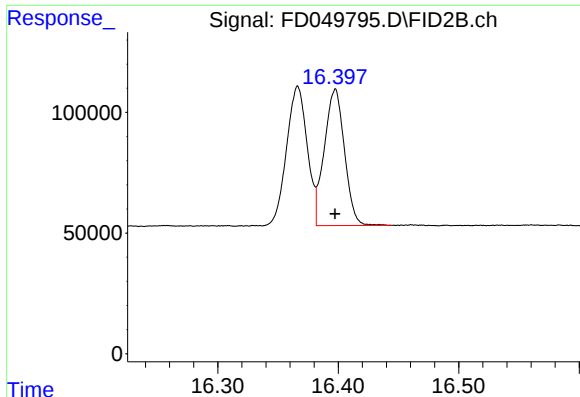
#15 Chrysene (C27.41)

R.T.: 14.858 min
Delta R.T.: 0.000 min
Response: 700625
Conc: 5.45 ug/ml



#16 benzo[b]fluoranthene (C30.41)

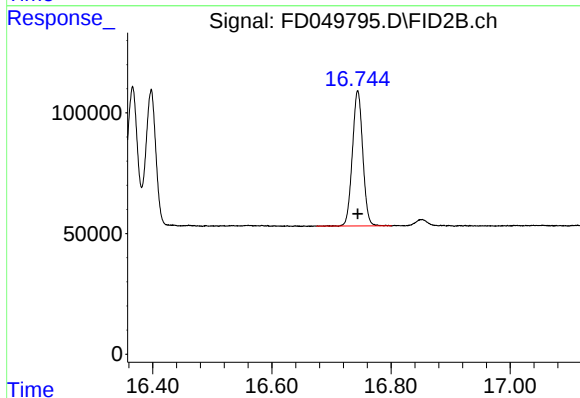
R.T.: 16.366 min
Delta R.T.: 0.000 min
Response: 686760
Conc: 5.51 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

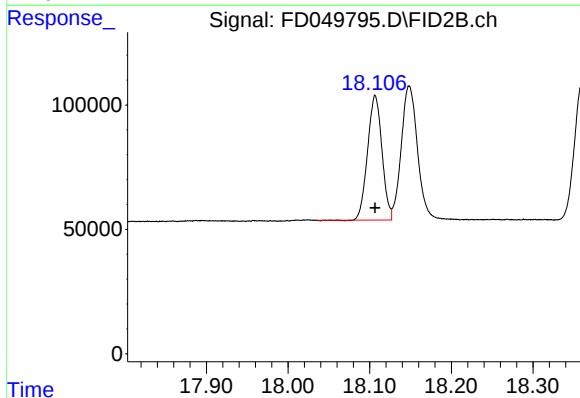
R.T.: 16.397 min
Delta R.T.: 0.000 min
Response: 658709
Conc: 5.61 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



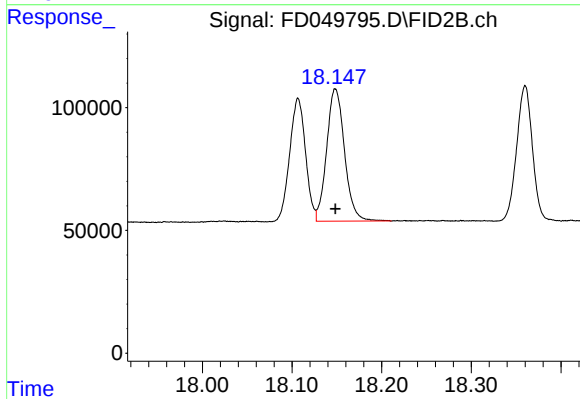
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.744 min
Delta R.T.: 0.000 min
Response: 676758
Conc: 5.58 ug/ml



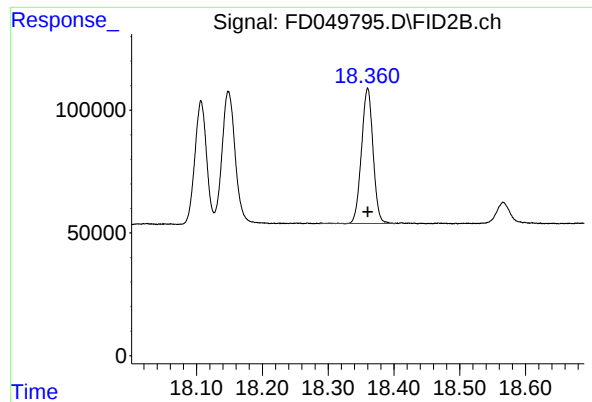
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.107 min
Delta R.T.: 0.000 min
Response: 612429
Conc: 5.45 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.149 min
Delta R.T.: 0.000 min
Response: 746709
Conc: 6.11 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.360 min
Delta R.T.: 0.000 min
Response: 670210
Conc: 5.60 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049795.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 12:26
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.490	4.438	4.528	BB	71695	631885	75.91%	4.224%
2	6.031	5.968	6.074	BB	79140	717794	86.23%	4.798%
3	7.084	7.021	7.144	BB	79119	758806	91.15%	5.072%
4	7.695	7.634	7.748	BB	68756	647815	77.82%	4.330%
5	8.362	8.308	8.413	BB	82931	808838	97.16%	5.406%
6	8.559	8.498	8.618	BB	46767	460004	55.26%	3.075%
7	8.657	8.621	8.704	BB	81895	799705	96.07%	5.345%
8	9.438	9.371	9.501	BB	80195	800622	96.18%	5.351%
9	10.836	10.758	10.880	BV	75238	792782	95.23%	5.299%
10	10.910	10.880	10.971	PB	69350	742335	89.17%	4.962%
11	11.605	11.538	11.658	BB	78397	832449	100.00%	5.564%
12	12.649	12.548	12.711	BB	72239	775923	93.21%	5.186%
13	12.946	12.888	12.980	BV	69197	760412	91.35%	5.083%
14	14.817	14.751	14.837	BV	59082	679446	81.62%	4.541%
15	14.858	14.837	14.911	VB	61108	700625	84.16%	4.683%
16	16.366	16.301	16.382	BV	57788	686760	82.50%	4.590%
17	16.397	16.382	16.444	VB	56528	658709	79.13%	4.403%
18	16.744	16.674	16.801	BB	56077	676758	81.30%	4.523%
19	18.107	18.034	18.127	BV	49934	612429	73.57%	4.093%
20	18.149	18.127	18.211	VB	53876	746709	89.70%	4.991%
21	18.360	18.288	18.402	BB	55360	670210	80.51%	4.480%
Sum of corrected areas:						14961015		

Aromatic EPH 100225.M Thu Oct 02 18:00:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049796.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 13:09
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 02 17:50:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.696	2142320	18.031 ug/ml
Spiked Amount 50.000		Recovery =	36.06%
6) S 2-Fluorobiphenyl (SURR)	8.560	1535927	18.091 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.18%
11) S ortho-Terphenyl (SURR)	11.605	2694154	18.047 ug/ml
Spiked Amount 50.000		Recovery =	36.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.488	2048815	18.029 ug/ml
2) T Naphthalene (C11.7)	6.031	2385418	18.080 ug/ml
3) T 2-Methylnaphthalene (...)	7.085	2492740	18.016 ug/ml
5) T Acenaphthylene (C15.06)	8.363	2633294	18.024 ug/ml
7) T Acenaphthene (C15.5)	8.659	2631149	18.070 ug/ml
8) T Flouorene (C16.55)	9.440	2645074	18.112 ug/ml
9) T Phenanthrene (C19.36)	10.838	2634207	18.020 ug/ml
10) T Anthracene (C19.43)	10.913	2531114	18.626 ug/ml
12) T Fluoranthene (C21.85)	12.651	2549562	17.896 ug/ml
13) T Pyrene (C20.8)	12.949	2513219	17.878 ug/ml
14) T Benzo[a]anthracene (C...	14.821	2229772	17.729 ug/ml
15) T Chrysene (C27.41)	14.863	2267078	17.647 ug/ml
16) T benzo[b]fluoranthene ...	16.371	2192575	17.602 ug/ml
17) T Bnezo[k]fluoranthene ...	16.403	2077138	17.683 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.749	2143280	17.661 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.112	1963429	17.462 ug/ml
20) T Dibenz[a,h]anthracene...	18.153	2059645	16.847 ug/ml
21) T Benzo[g,h,i]perylene ...	18.367	2106918	17.616 ug/ml

(f)=RT Delta > 1/2 Window

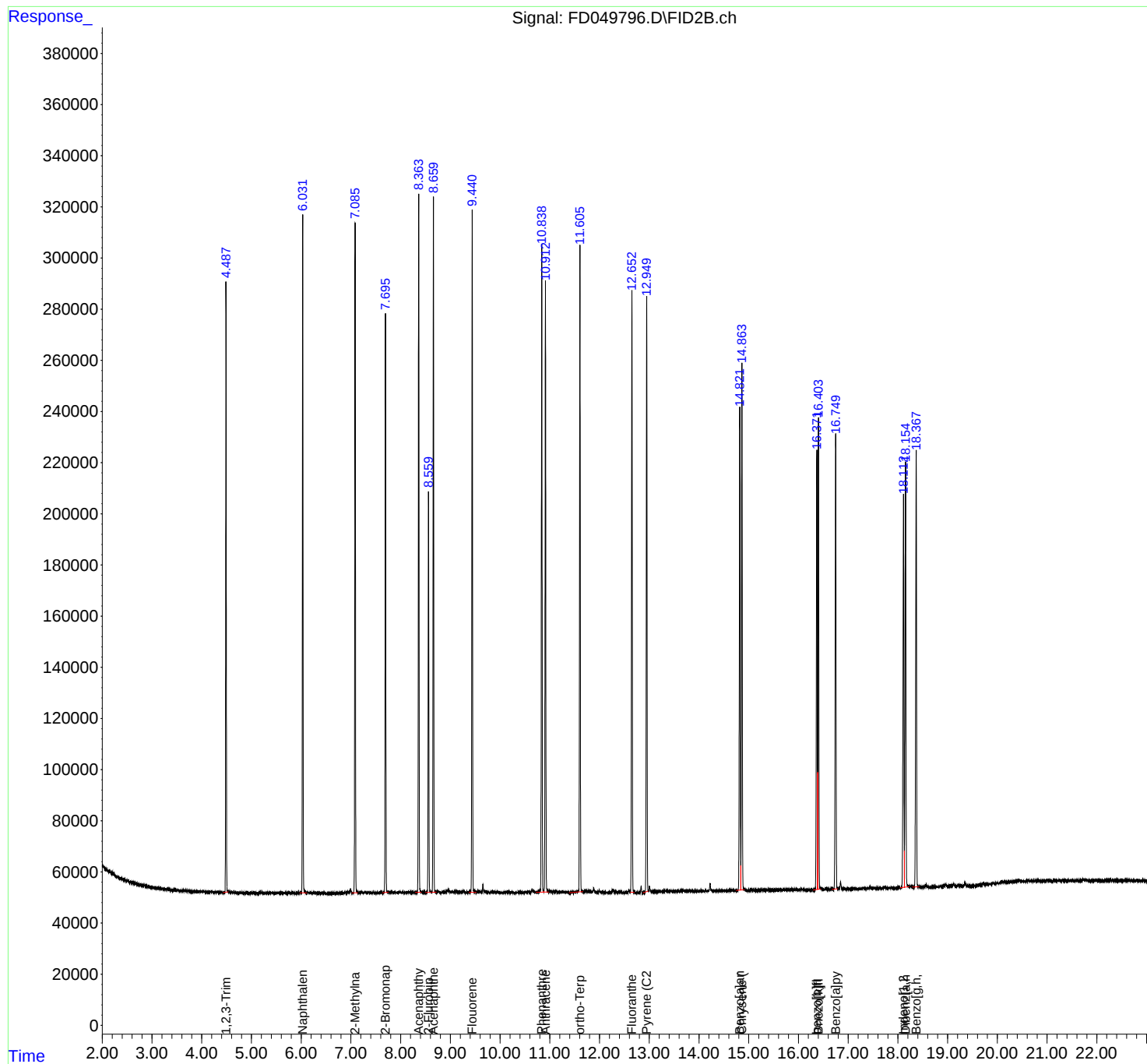
(m)=manual int.

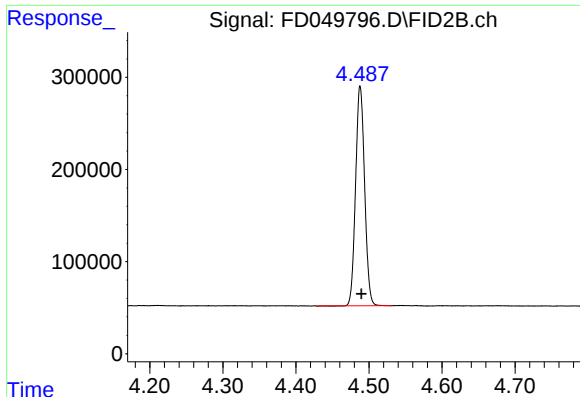
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049796.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 13:09
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 02 17:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

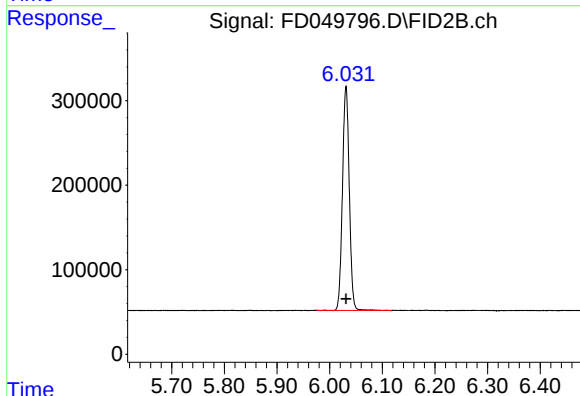




#1 1,2,3-Trimethylbenzene (C10.1)

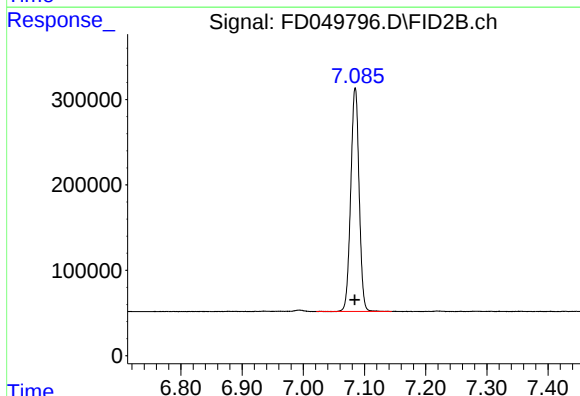
R.T.: 4.488 min
Delta R.T.: -0.002 min
Response: 2048815
Conc: 18.03 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



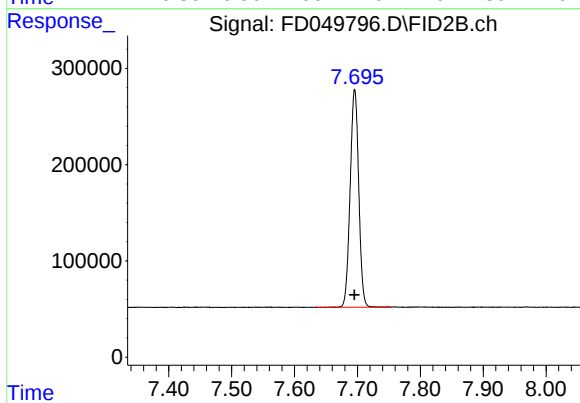
#2 Naphthalene (C11.7)

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 2385418
Conc: 18.08 ug/ml



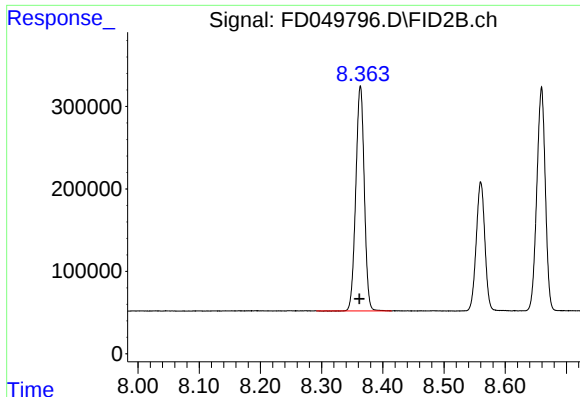
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 2492740
Conc: 18.02 ug/ml



#4 2-Bromonaphthalene (SURR)

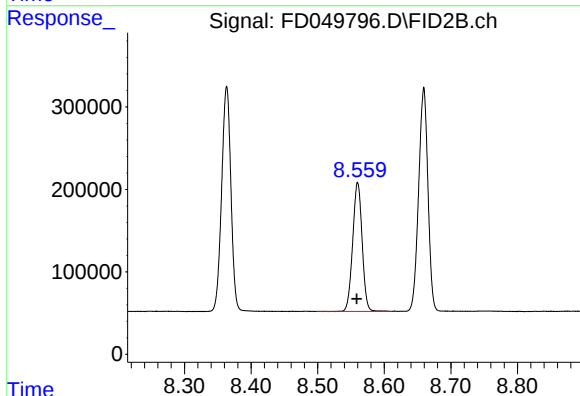
R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 2142320
Conc: 18.03 ug/ml



#5 Acenaphthylene (C15.06)

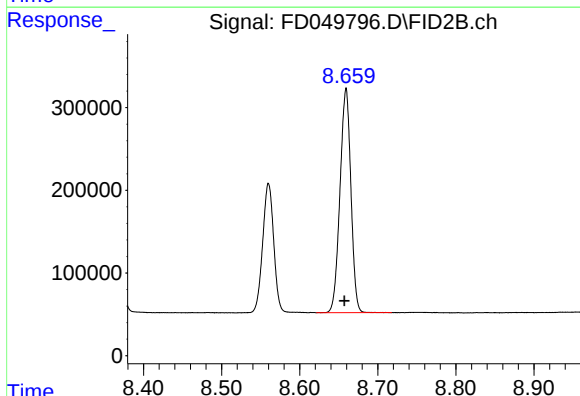
R.T.: 8.363 min
Delta R.T.: 0.001 min
Response: 2633294
Conc: 18.02 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



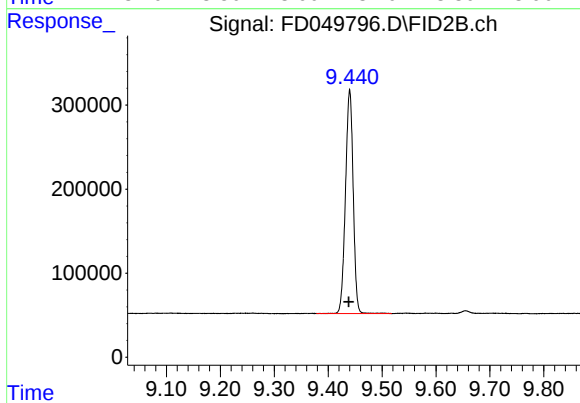
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.560 min
Delta R.T.: 0.001 min
Response: 1535927
Conc: 18.09 ug/ml



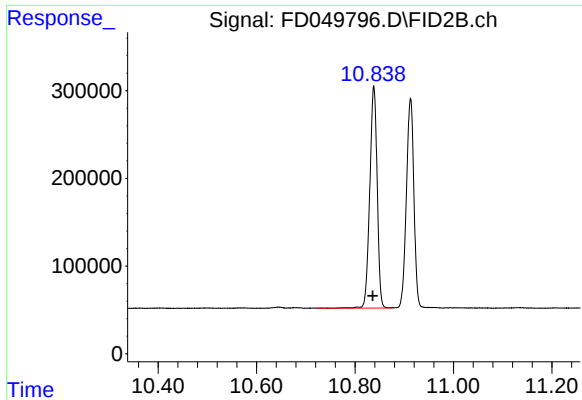
#7 Acenaphthene (C15.5)

R.T.: 8.659 min
Delta R.T.: 0.002 min
Response: 2631149
Conc: 18.07 ug/ml



#8 Fluorene (C16.55)

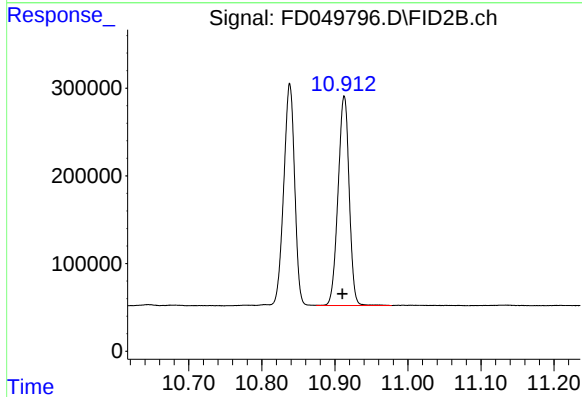
R.T.: 9.440 min
Delta R.T.: 0.002 min
Response: 2645074
Conc: 18.11 ug/ml



#9 Phenanthrene (C19.36)

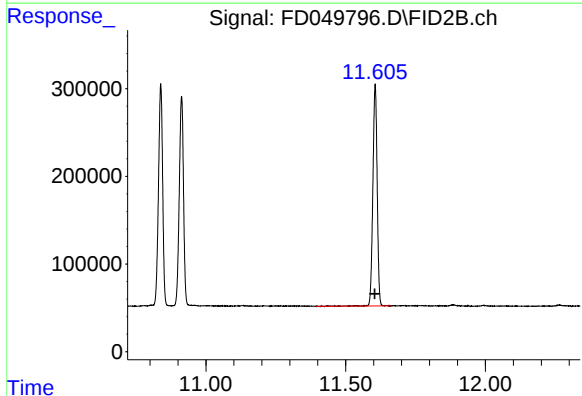
R.T.: 10.838 min
Delta R.T.: 0.002 min
Response: 2634207
Conc: 18.02 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



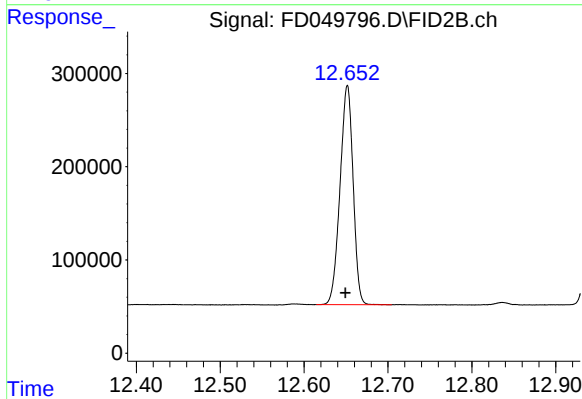
#10 Anthracene (C19.43)

R.T.: 10.913 min
Delta R.T.: 0.003 min
Response: 2531114
Conc: 18.63 ug/ml



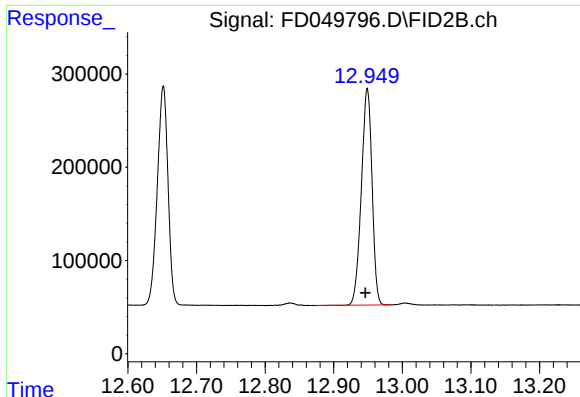
#11 ortho-Terphenyl (SURR)

R.T.: 11.605 min
Delta R.T.: 0.000 min
Response: 2694154
Conc: 18.05 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.651 min
Delta R.T.: 0.002 min
Response: 2549562
Conc: 17.90 ug/ml



#13 Pyrene (C20.8)

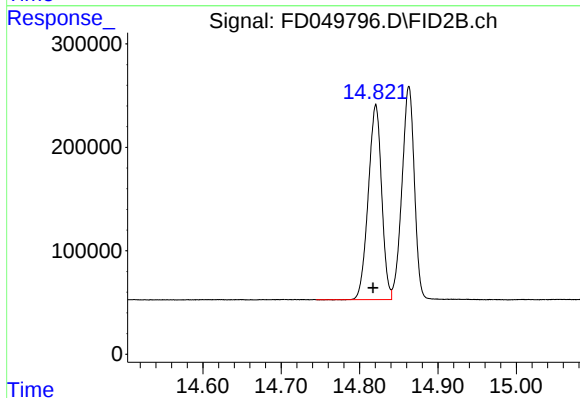
R.T.: 12.949 min
Delta R.T.: 0.002 min
Response: 2513219
Conc: 17.88 ug/ml

Instrument :

FID_D

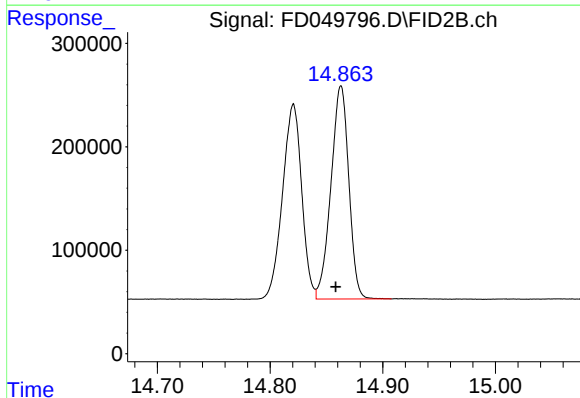
ClientSampleId :

20 PPM AROMATIC HC STD ICV



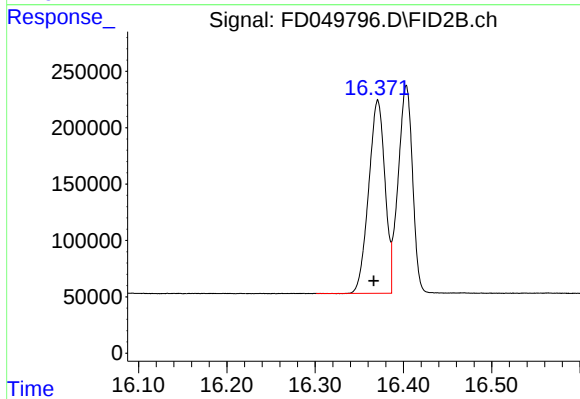
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.821 min
Delta R.T.: 0.003 min
Response: 2229772
Conc: 17.73 ug/ml



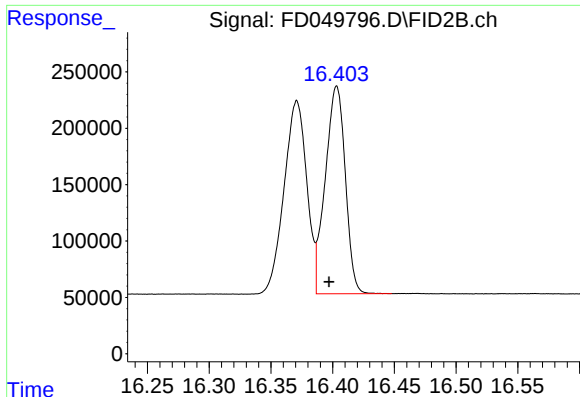
#15 Chrysene (C27.41)

R.T.: 14.863 min
Delta R.T.: 0.005 min
Response: 2267078
Conc: 17.65 ug/ml



#16 benzo[b]fluoranthene (C30.41)

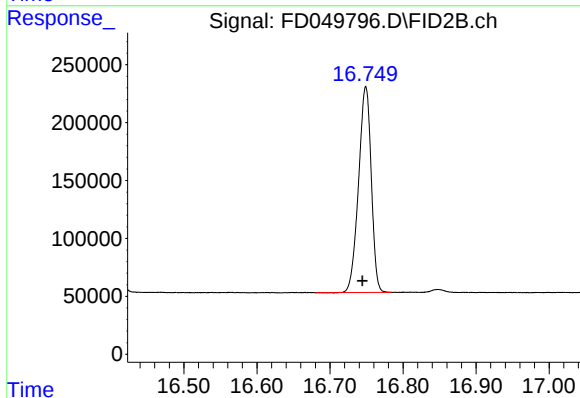
R.T.: 16.371 min
Delta R.T.: 0.005 min
Response: 2192575
Conc: 17.60 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

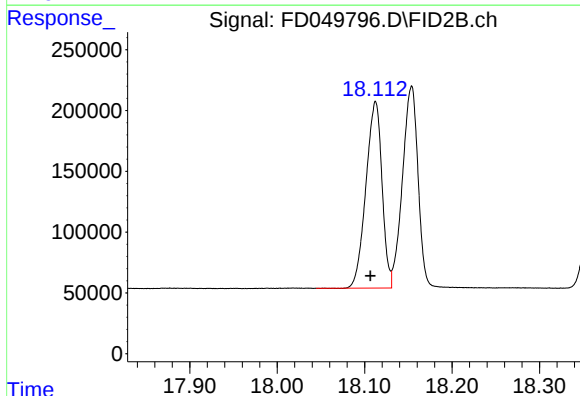
R.T.: 16.403 min
Delta R.T.: 0.006 min
Response: 2077138
Conc: 17.68 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



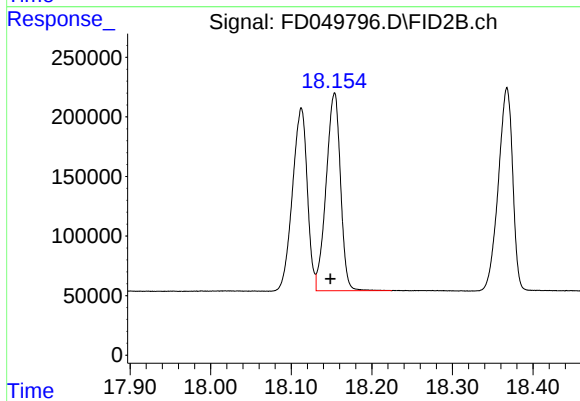
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.749 min
Delta R.T.: 0.005 min
Response: 2143280
Conc: 17.66 ug/ml



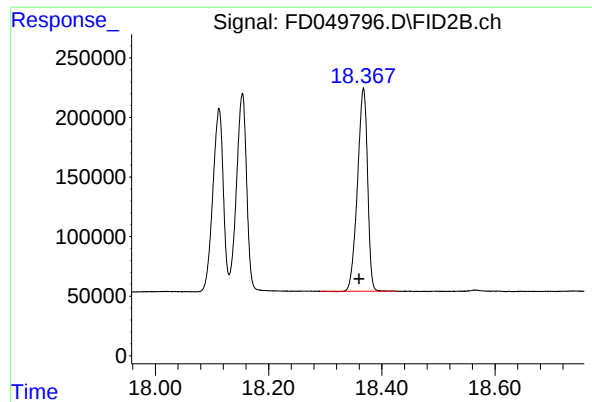
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.112 min
Delta R.T.: 0.005 min
Response: 1963429
Conc: 17.46 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.153 min
Delta R.T.: 0.005 min
Response: 2059645
Conc: 16.85 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.367 min
Delta R.T.: 0.007 min
Response: 2106918
Conc: 17.62 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049796.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 13:09
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.488	4.428	4.531	BB	238590	2048815	76.05%	4.226%
2	6.031	5.974	6.118	BB	263787	2385418	88.54%	4.921%
3	7.085	7.021	7.144	BB	262346	2492740	92.52%	5.142%
4	7.696	7.634	7.754	BB	225462	2142320	79.52%	4.419%
5	8.363	8.291	8.414	BB	273763	2633294	97.74%	5.432%
6	8.560	8.498	8.611	BB	156064	1535927	57.01%	3.168%
7	8.659	8.621	8.718	BB	266409	2631149	97.66%	5.428%
8	9.440	9.378	9.518	BB	266050	2645074	98.18%	5.456%
9	10.838	10.721	10.874	BV	252730	2634207	97.77%	5.434%
10	10.913	10.874	10.978	VB	238097	2531114	93.95%	5.221%
11	11.605	11.394	11.664	BB	251132	2694154	100.00%	5.558%
12	12.651	12.614	12.704	BB	235150	2549562	94.63%	5.259%
13	12.949	12.874	12.984	BV	231646	2513219	93.28%	5.184%
14	14.821	14.744	14.841	BV	188689	2229772	82.76%	4.600%
15	14.863	14.841	14.908	VB	206633	2267078	84.15%	4.677%
16	16.371	16.301	16.387	BV	171146	2192575	81.38%	4.523%
17	16.403	16.387	16.448	VB	184882	2077138	77.10%	4.285%
18	16.749	16.681	16.784	BB	177561	2143280	79.55%	4.421%
19	18.112	18.044	18.131	BV	152248	1963429	72.88%	4.050%
20	18.153	18.131	18.224	VB	167719	2059645	76.45%	4.249%
21	18.367	18.291	18.424	BB	170872	2106918	78.20%	4.346%
Sum of corrected areas:							48476829	

Aromatic EPH 100225.M Thu Oct 02 18:00:21 2025

Initial Calibration Report for SequenceID : FE092425AL

AreaCount

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	37542791.000	22892697.000	8462672.000	4191009.000	2124515.000	
Aliphatic C12-C16	28448375.000	15981763.000	6036724.000	3116285.000	1580906.000	
Aliphatic C16-C21	47319022.000	24326712.000	9480340.000	5176882.000	2683832.000	
Aliphatic C21-C28	56499296.000	28330990.000	11268637.000	6189034.000	3282975.000	
Aliphatic C28-C40	72708634.000	38000593.000	15509370.000	8760386.000	4744762.000	
Aliphatic EPH	242518118.000	129532755.000	50757743.000	27433596.000	14416990.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	140027.9566664	6.995				
Aliphatic C12-C16	153376.491	4.607				
Aliphatic C16-C21	165879.737333	5.694				
Aliphatic C21-C28	148527.1505	7.073				
Aliphatic C28-C40	136251.923333	11.27				
Aliphatic EPH	146449.7892216	6.809				

Concentration

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.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	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	125142.636666	152617.980000	141044.533333	139700.300000	141634.333333	
Aliphatic C12-C16	142241.875000	159817.630000	150918.100000	155814.250000	158090.600000	
Aliphatic C16-C21	157730.073333	162178.080000	158005.666666	172562.733333	178922.133333	

Initial Calibration Report for SequenceID : FE092425AL

Aliphatic C21-C28	141248.240000	141654.950000	140857.962500	154725.850000	164148.750000	
Aliphatic C28-C40	121181.056666	126668.643333	129244.750000	146006.433333	158158.733333	
Aliphatic EPH	134732.287777	143925.283333	140993.730555	152408.866666	160188.777777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055962.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:07
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Sep 24 11:03:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 11:00:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	17950450	100.309 ug/ml
Spiked Amount 50.000		Recovery =	200.62%
12) S 1-chlorooctadecane (S...	13.517	13586232	101.305 ug/ml
Spiked Amount 50.000		Recovery =	202.61%
Target Compounds			
1) T n-Nonane (C9)	3.411	12115570	93.377 ug/ml
2) T n-Decane (C10)	4.672	12431596	93.812 ug/ml
3) T A~Naphthalene (C11.7)	6.393	15093772	97.535 ug/ml
4) T n-Dodecane (C12)	6.849	12995625	94.848 ug/ml
5) T A~2-methylnaphthalene...	7.496	15025333	99.098 ug/ml
6) T n-Tetradecane (C14)	8.687	13579491	96.250 ug/ml
7) T n-Hexadecane (C16)	10.303	14868884	97.774 ug/ml
8) T n-Octadecane (C18)	11.755	15922809	98.959 ug/ml
10) T n-Eicosane (C20)	13.069	15819296	100.191 ug/ml
11) T n-Heneicosane (C21)	13.683	15576917	100.620 ug/ml
13) T n-Docosane (C22)	14.272	15366782	100.893 ug/ml
14) T n-Tetracosane (C24)	15.378	14649046	100.840 ug/ml
15) T n-Hexacosane (C26)	16.402	13607731	100.166 ug/ml
16) T n-Octacosane (C28)	17.355	12875737	98.451 ug/ml
17) T n-Tricontane (C30)	18.245	13054346	96.132 ug/ml
18) T n-Dotriacontane (C32)	19.079	12955482	94.902 ug/ml
19) T n-Tetratriacontane (C34)	19.864	12597203	95.888 ug/ml
20) T n-Hexatriacontane (C36)	20.607	11820206	97.397 ug/ml
21) T n-Octatriacontane (C38)	21.384	11503060	99.564 ug/ml
22) T n-Tetracontane (C40)	22.374	10778337	97.367 ug/ml

(f)=RT Delta > 1/2 Window

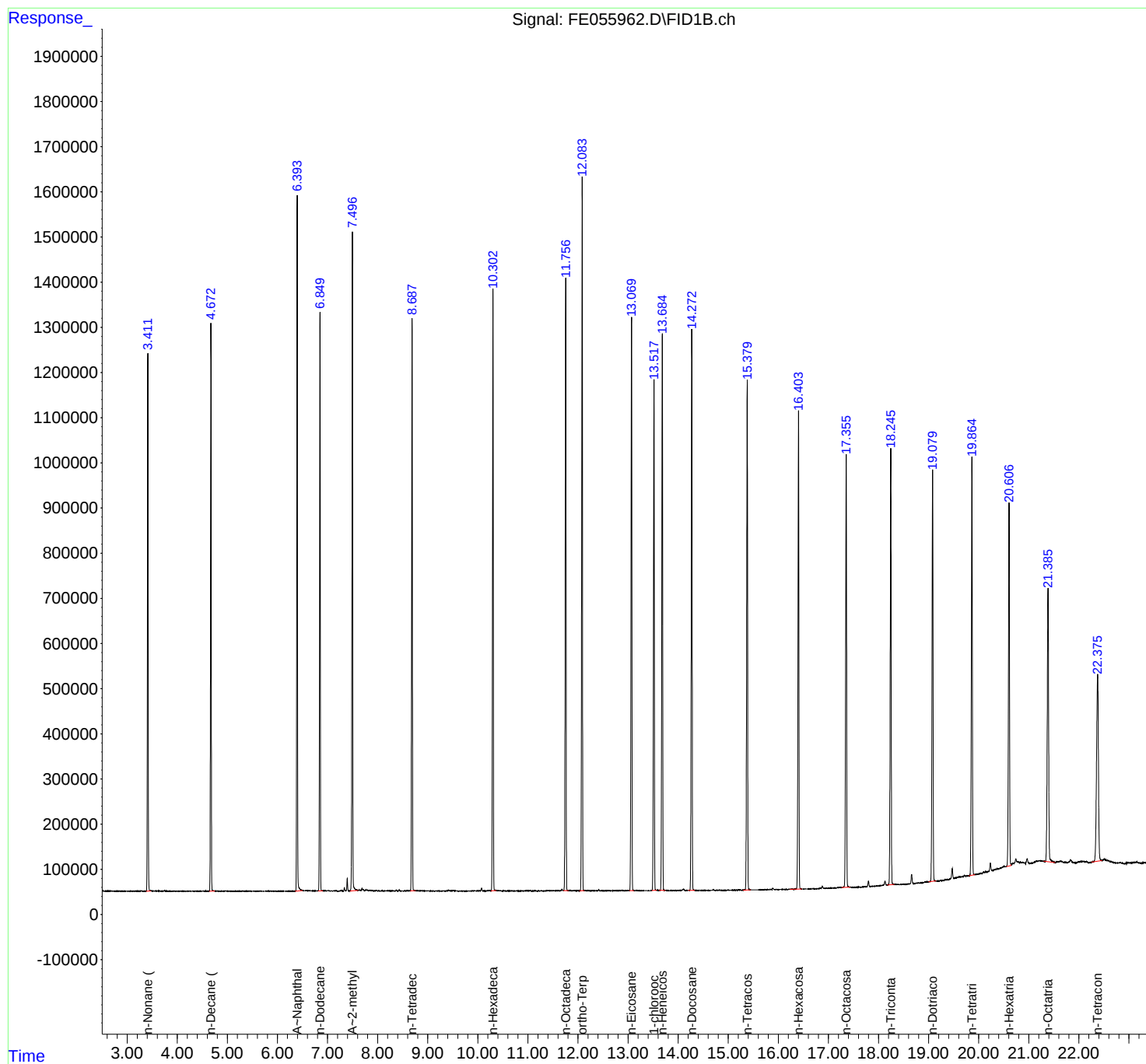
(m)=manual int.

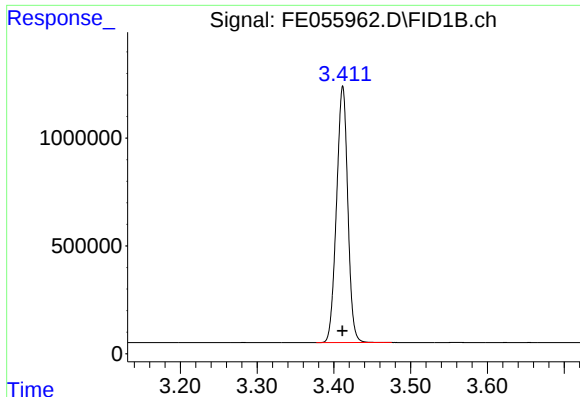
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055962.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 09:07
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 24 11:03:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 11:00:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

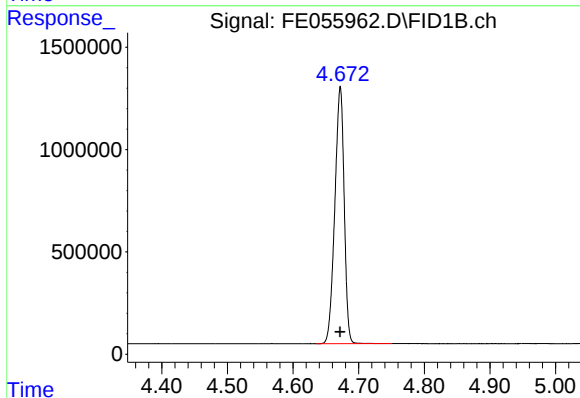




#1 n-Nonane (C9)

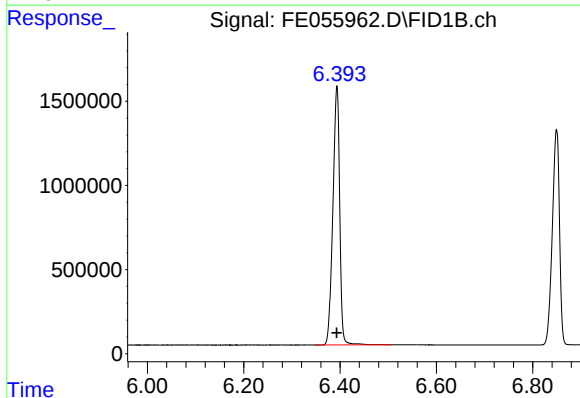
R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 12115570
Conc: 93.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



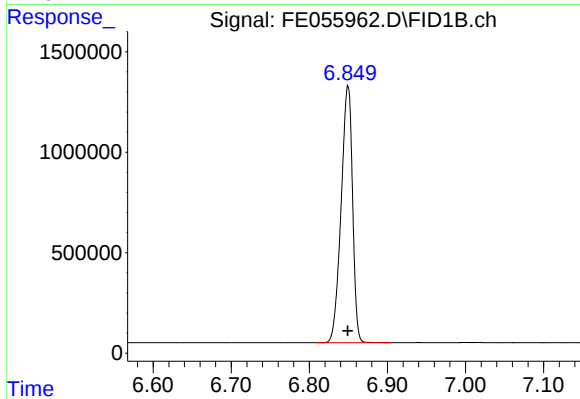
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 12431596
Conc: 93.81 ug/ml



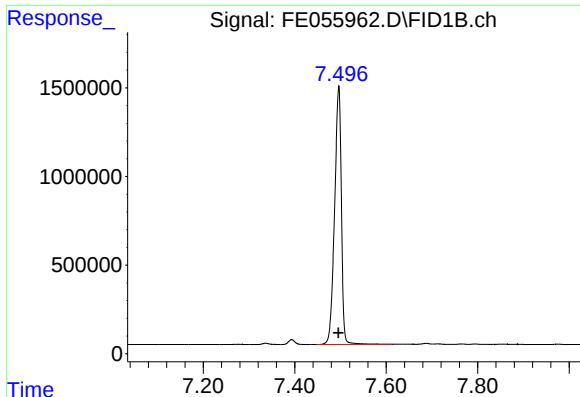
#3 A~Naphthalene (C11.7)

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 15093772
Conc: 97.54 ug/ml



#4 n-Dodecane (C12)

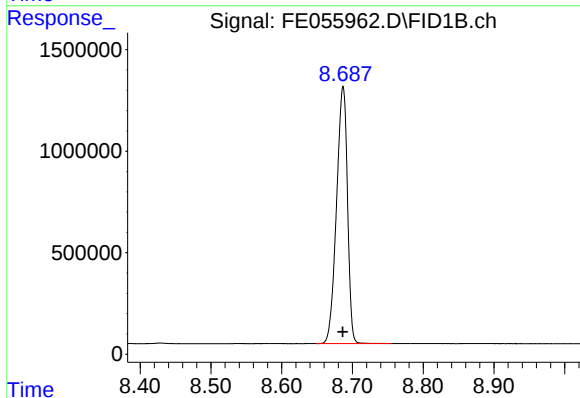
R.T.: 6.849 min
Delta R.T.: 0.000 min
Response: 12995625
Conc: 94.85 ug/ml



#5 A~2-methylnaphthalene (C12.89)

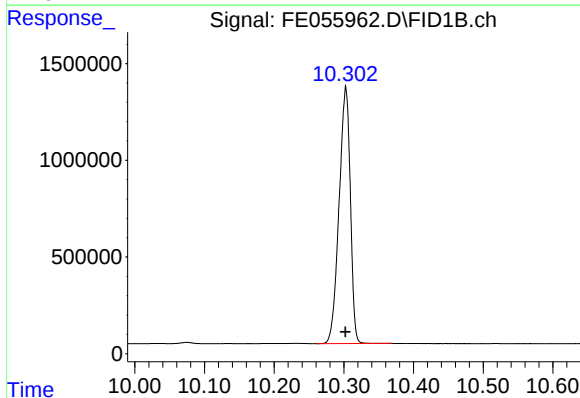
R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 15025333
Conc: 99.10 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



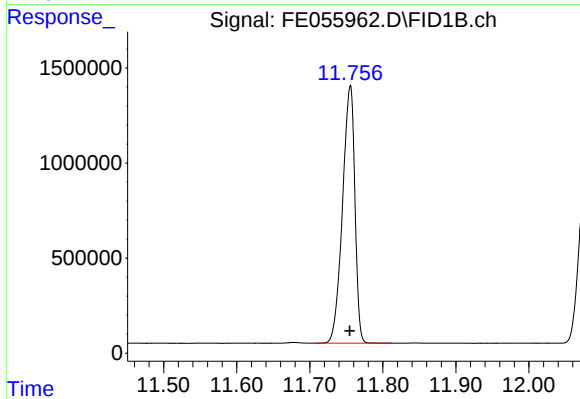
#6 n-Tetradecane (C14)

R.T.: 8.687 min
Delta R.T.: 0.000 min
Response: 13579491
Conc: 96.25 ug/ml



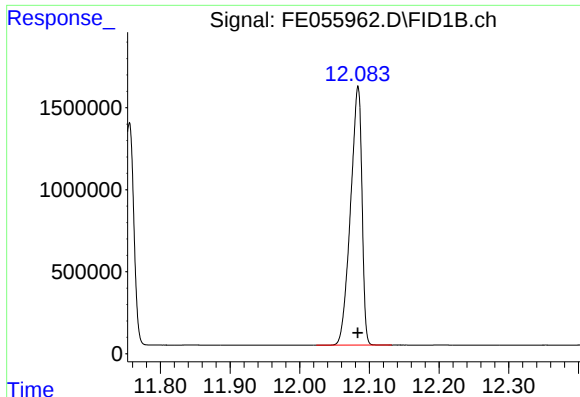
#7 n-Hexadecane (C16)

R.T.: 10.303 min
Delta R.T.: 0.000 min
Response: 14868884
Conc: 97.77 ug/ml



#8 n-Octadecane (C18)

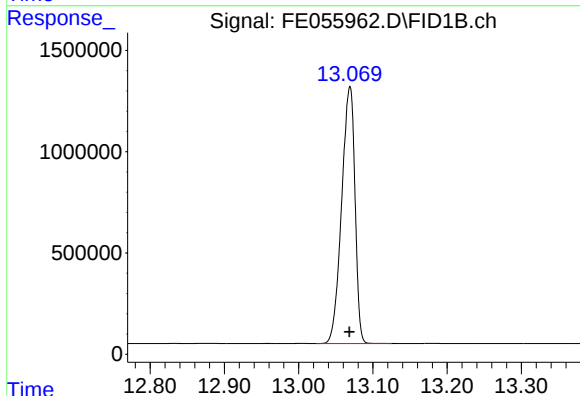
R.T.: 11.755 min
Delta R.T.: 0.000 min
Response: 15922809
Conc: 98.96 ug/ml



#9 ortho-Terphenyl (SURR)

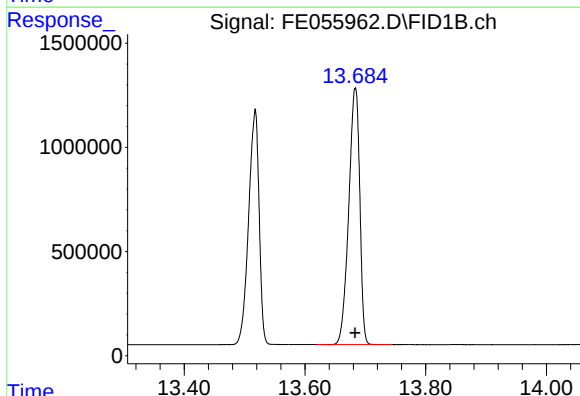
R.T.: 12.083 min
Delta R.T.: 0.000 min
Response: 17950450
Conc: 100.31 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



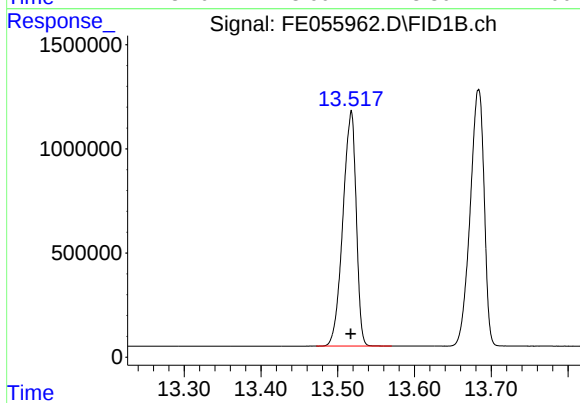
#10 n-Eicosane (C20)

R.T.: 13.069 min
Delta R.T.: 0.000 min
Response: 15819296
Conc: 100.19 ug/ml



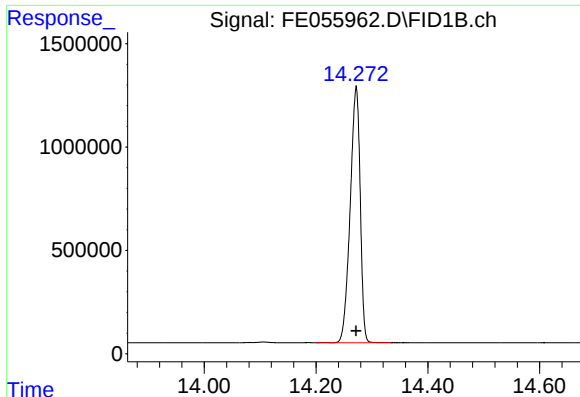
#11 n-Heneicosane (C21)

R.T.: 13.683 min
Delta R.T.: 0.000 min
Response: 15576917
Conc: 100.62 ug/ml



#12 1-chlorooctadecane (SURR)

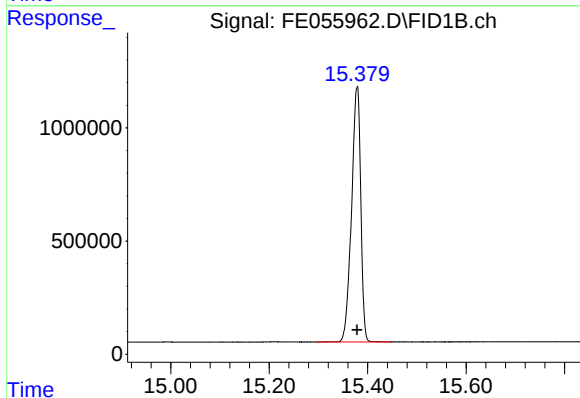
R.T.: 13.517 min
Delta R.T.: 0.000 min
Response: 13586232
Conc: 101.30 ug/ml



#13 n-Docosane (C22)

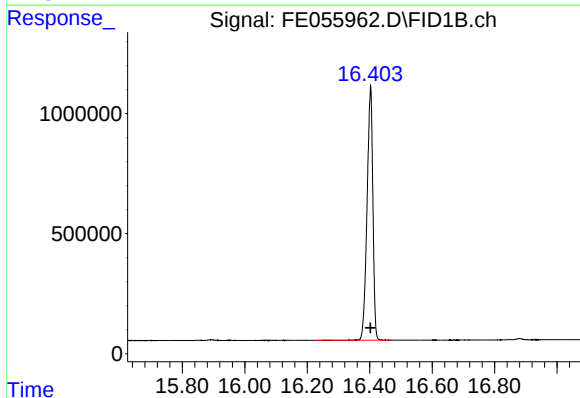
R.T.: 14.272 min
Delta R.T.: 0.000 min
Response: 15366782
Conc: 100.89 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



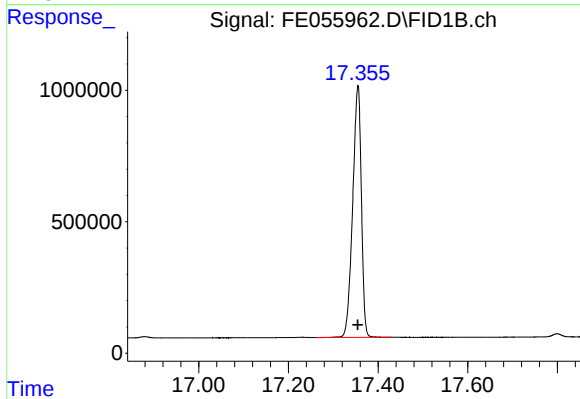
#14 n-Tetracosane (C24)

R.T.: 15.378 min
Delta R.T.: 0.000 min
Response: 14649046
Conc: 100.84 ug/ml



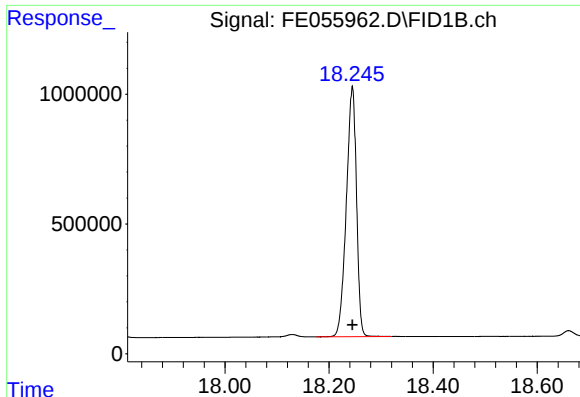
#15 n-Hexacosane (C26)

R.T.: 16.402 min
Delta R.T.: 0.000 min
Response: 13607731
Conc: 100.17 ug/ml



#16 n-Octacosane (C28)

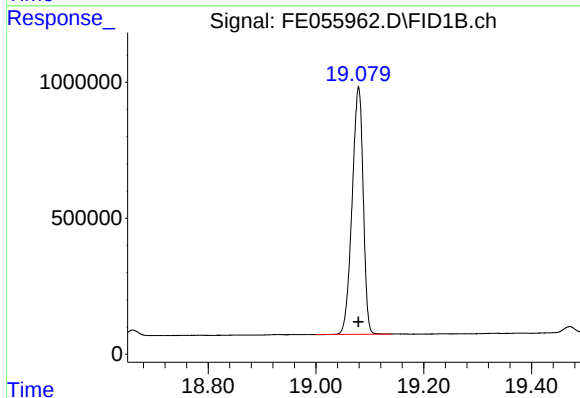
R.T.: 17.355 min
Delta R.T.: 0.000 min
Response: 12875737
Conc: 98.45 ug/ml



#17 n-Tricontane (C30)

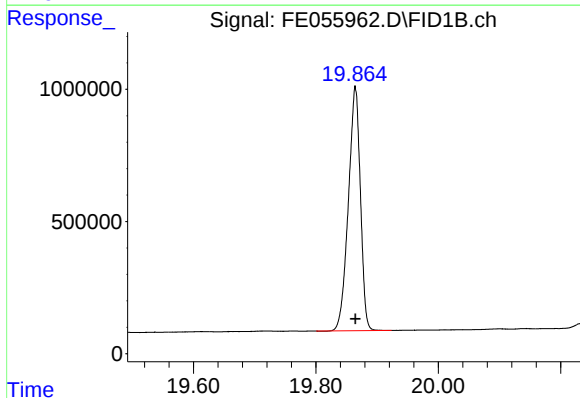
R.T.: 18.245 min
Delta R.T.: 0.000 min
Response: 13054346
Conc: 96.13 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



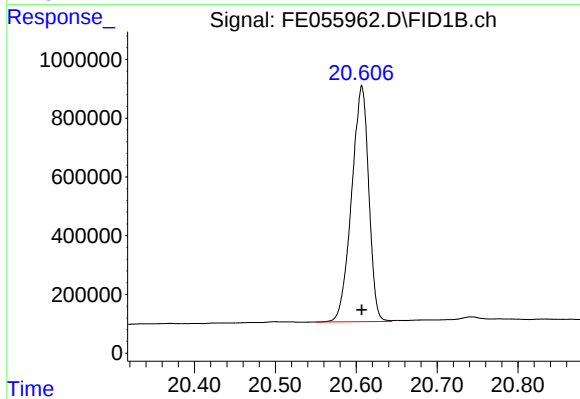
#18 n-Dotriacontane (C32)

R.T.: 19.079 min
Delta R.T.: 0.000 min
Response: 12955482
Conc: 94.90 ug/ml



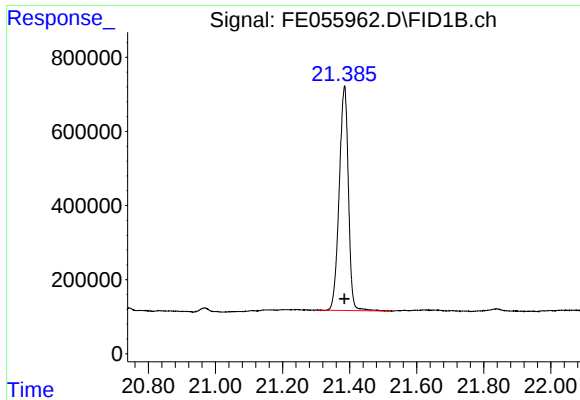
#19 n-Tetratriacontane (C34)

R.T.: 19.864 min
Delta R.T.: 0.000 min
Response: 12597203
Conc: 95.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 11820206
Conc: 97.40 ug/ml



#21 n-Octatriacontane (C38)

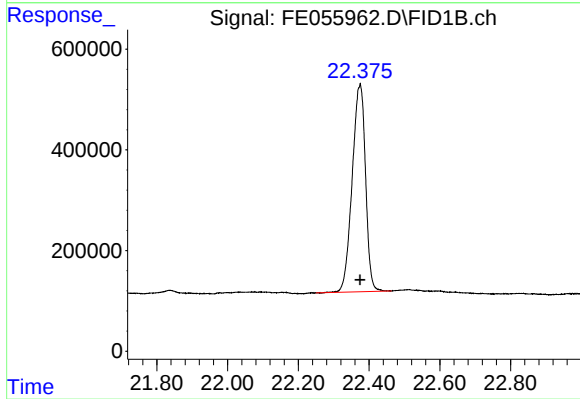
R.T.: 21.384 min
Delta R.T.: 0.000 min
Response: 11503060
Conc: 99.56 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.374 min
Delta R.T.: 0.000 min
Response: 10778337
Conc: 97.37 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055962.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:07
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.377	3.475	BB	1193159	12115570	67.49%	3.983%
2	4.672	4.635	4.750	BB	1259842	12431596	69.26%	4.087%
3	6.393	6.350	6.507	BB	1548803	15093772	84.09%	4.962%
4	6.849	6.809	6.905	BB	1279643	12995625	72.40%	4.272%
5	7.496	7.447	7.612	BV	1444836	15025333	83.70%	4.940%
6	8.687	8.649	8.755	BB	1270645	13579491	75.65%	4.464%
7	10.303	10.260	10.369	BB	1320044	14868884	82.83%	4.888%
8	11.755	11.709	11.812	BB	1355244	15922809	88.70%	5.235%
9	12.083	12.024	12.132	BB	1585493	17950450	100.00%	5.901%
10	13.069	13.024	13.125	BB	1269287	15819296	88.13%	5.201%
11	13.517	13.472	13.570	BB	1123920	13586232	75.69%	4.467%
12	13.683	13.619	13.744	BB	1232389	15576917	86.78%	5.121%
13	14.272	14.200	14.335	BB	1243326	15366782	85.61%	5.052%
14	15.378	15.295	15.449	BB	1126624	14649046	81.61%	4.816%
15	16.402	16.229	16.470	BB	1045801	13607731	75.81%	4.474%
16	17.355	17.262	17.430	BB	961185	12875737	71.73%	4.233%
17	18.245	18.175	18.320	BB	969341	13054346	72.72%	4.292%
18	19.079	19.000	19.140	BB	910160	12955482	72.17%	4.259%
19	19.864	19.800	19.924	BB	924104	12597203	70.18%	4.141%
20	20.607	20.550	20.644	BV	804428	11820206	65.85%	3.886%
21	21.385	21.300	21.525	BV	607871	11503060	64.08%	3.782%
22	22.374	22.250	22.464	BV	410718	10778337	60.04%	3.543%
Sum of corrected areas:						304173905		

Aliphatic EPH 092425.M Wed Sep 24 15:36:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055963.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:37
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Sep 24 11:04:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 11:00:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.077	9105995	50.587 ug/ml
Spiked Amount 50.000		Recovery =	101.17%
12) S 1-chlorooctadecane (S...	13.512	6779455	50.366 ug/ml
Spiked Amount 50.000		Recovery =	100.73%
Target Compounds			
1) T n-Nonane (C9)	3.414	7521327	55.044 ug/ml
2) T n-Decane (C10)	4.671	7621160	54.769 ug/ml
3) T A~Naphthalene (C11.7)	6.390	8539649	53.340 ug/ml
4) T n-Dodecane (C12)	6.846	7750210	54.193 ug/ml
5) T A~2-methylnaphthalene...	7.492	8232099	52.783 ug/ml
6) T n-Tetradecane (C14)	8.683	7796895	53.390 ug/ml
7) T n-Hexadecane (C16)	10.299	8184868	52.484 ug/ml
8) T n-Octadecane (C18)	11.750	8429200	51.566 ug/ml
10) T n-Eicosane (C20)	13.064	8067243	50.724 ug/ml
11) T n-Heneicosane (C21)	13.679	7830269	50.385 ug/ml
13) T n-Docosane (C22)	14.267	7654502	50.171 ug/ml
14) T n-Tetracosane (C24)	15.374	7266695	50.015 ug/ml
15) T n-Hexacosane (C26)	16.397	6822136	50.145 ug/ml
16) T n-Octacosane (C28)	17.350	6587657	50.247 ug/ml
17) T n-Tricontane (C30)	18.240	6773890	49.922 ug/ml
18) T n-Dotriacontane (C32)	19.075	6740087	49.580 ug/ml
19) T n-Tetratriacontane (C34)	19.861	6516174	49.733 ug/ml
20) T n-Hexatriacontane (C36)	20.601	6074929	50.038 ug/ml
21) T n-Octatriacontane (C38)	21.379	6099413	51.828 ug/ml
22) T n-Tetracontane (C40)	22.366	5796100	51.549 ug/ml

(f)=RT Delta > 1/2 Window

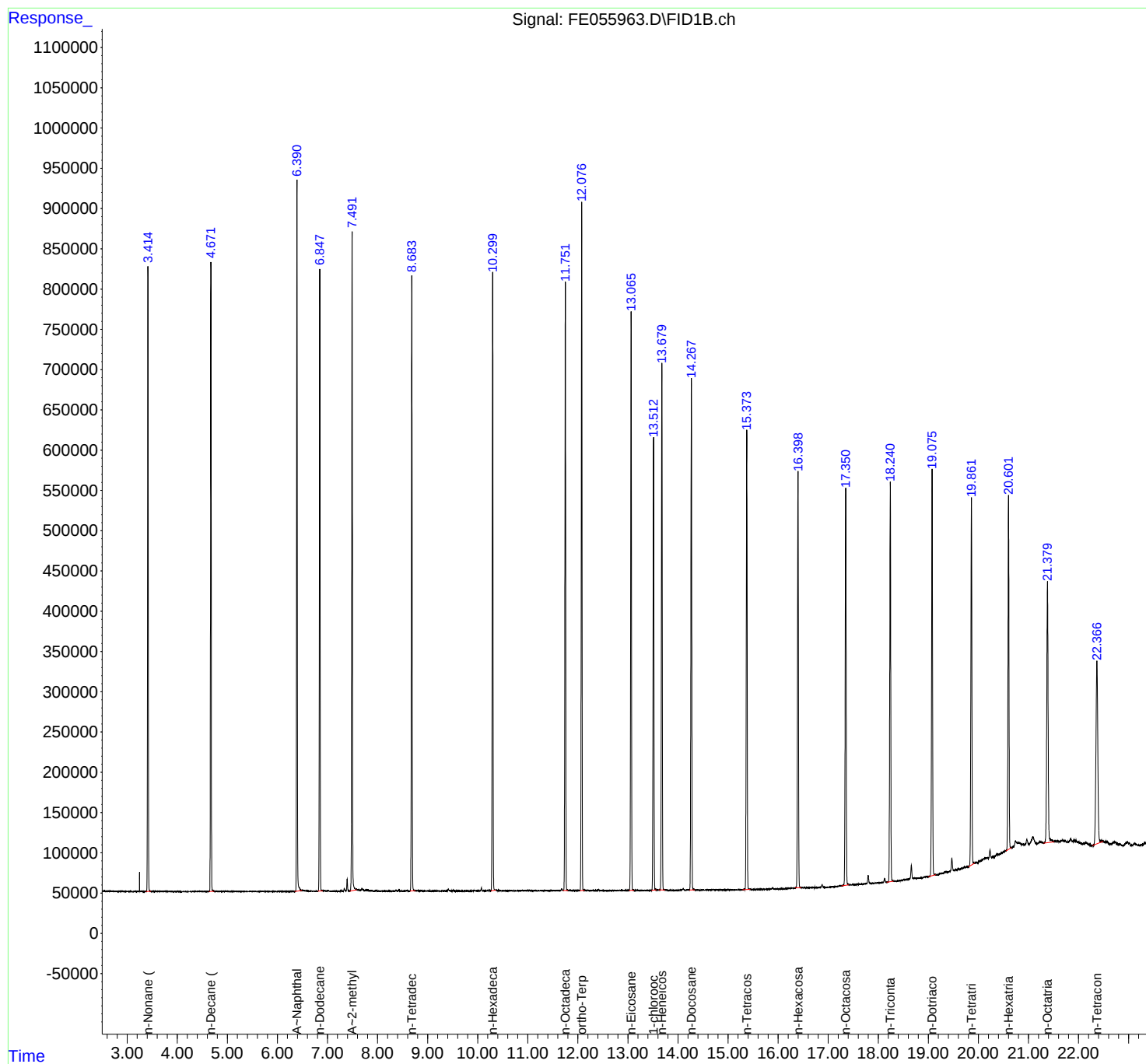
(m)=manual int.

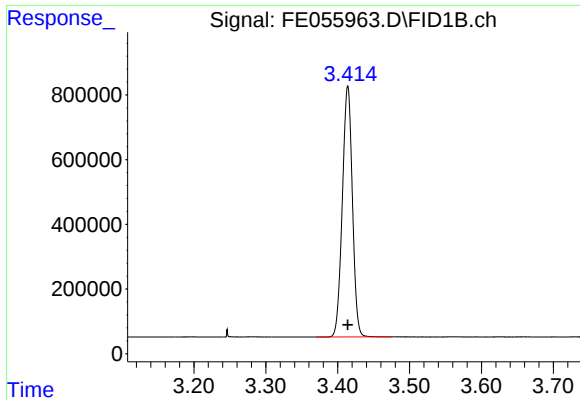
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055963.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 09:37
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 24 11:04:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 11:00:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

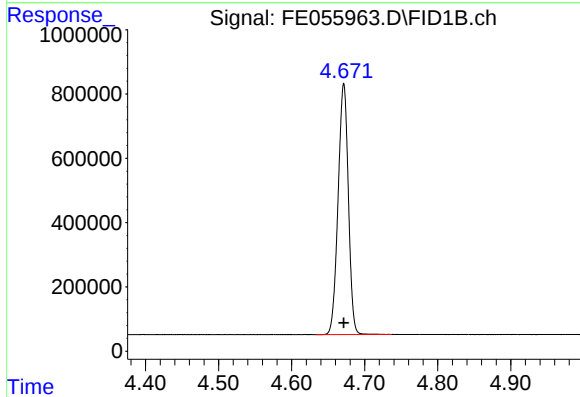




#1 n-Nonane (C9)

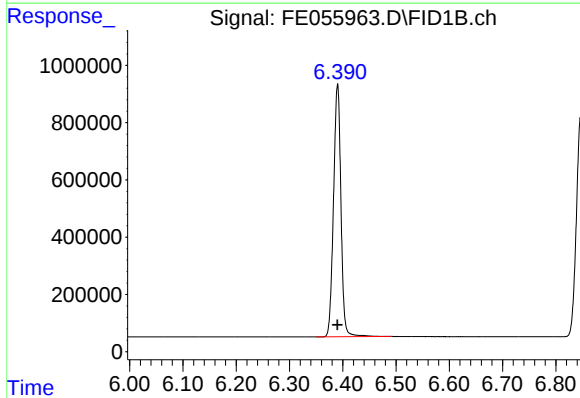
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 7521327
Conc: 55.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



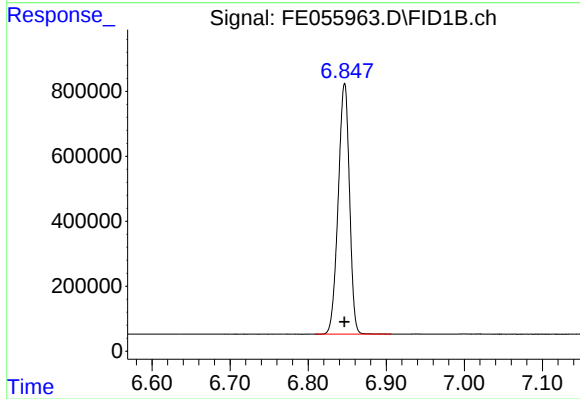
#2 n-Decane (C10)

R.T.: 4.671 min
Delta R.T.: 0.000 min
Response: 7621160
Conc: 54.77 ug/ml



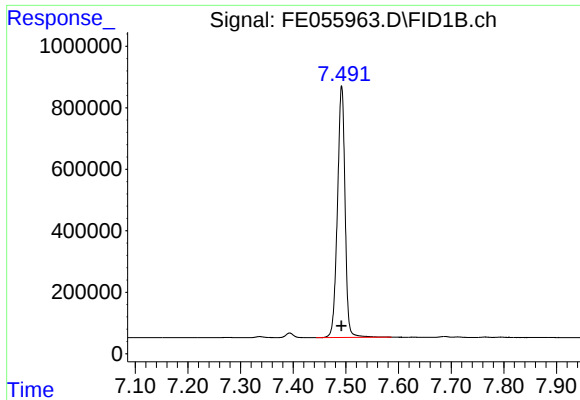
#3 A~Naphthalene (C11.7)

R.T.: 6.390 min
Delta R.T.: 0.000 min
Response: 8539649
Conc: 53.34 ug/ml



#4 n-Dodecane (C12)

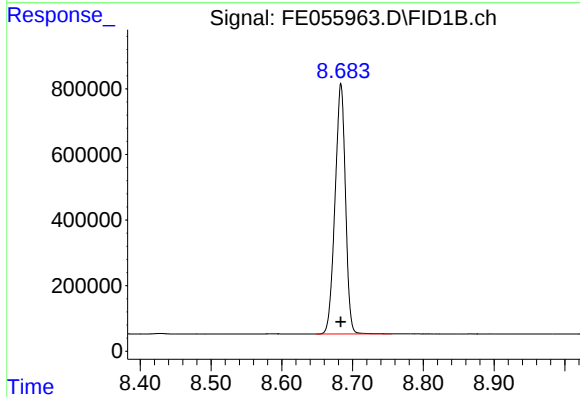
R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 7750210
Conc: 54.19 ug/ml



#5 A~2-methylnaphthalene (C12.89)

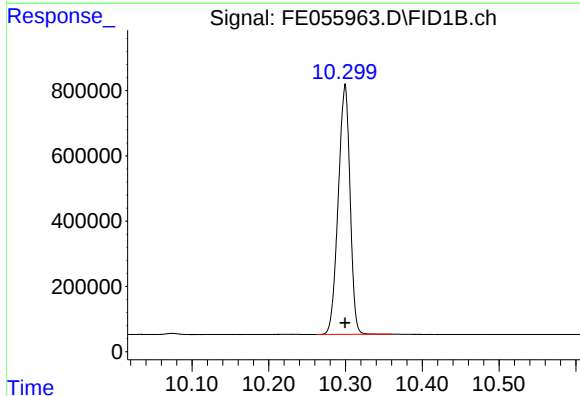
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 8232099
Conc: 52.78 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



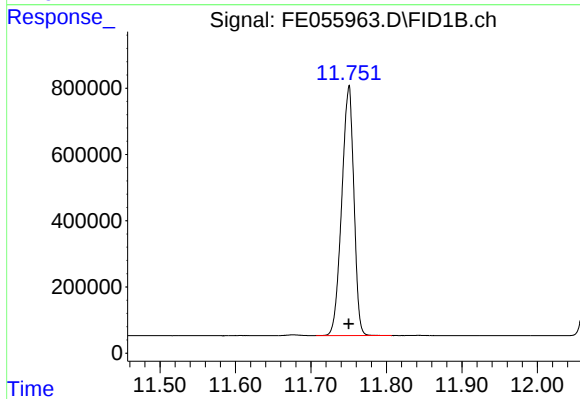
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 7796895
Conc: 53.39 ug/ml



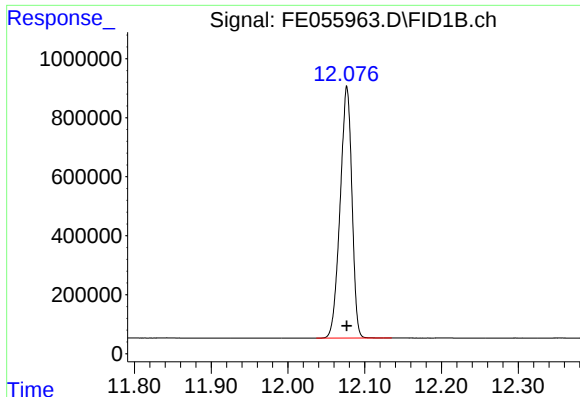
#7 n-Hexadecane (C16)

R.T.: 10.299 min
Delta R.T.: 0.000 min
Response: 8184868
Conc: 52.48 ug/ml



#8 n-Octadecane (C18)

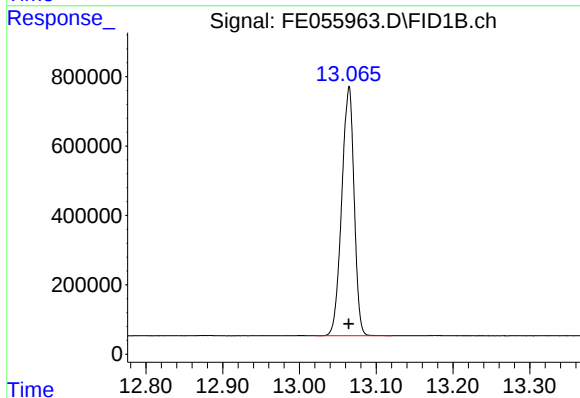
R.T.: 11.750 min
Delta R.T.: 0.000 min
Response: 8429200
Conc: 51.57 ug/ml



#9 ortho-Terphenyl (SURR)

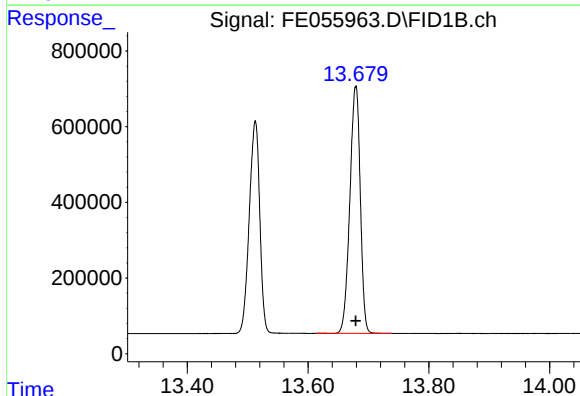
R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 9105995
Conc: 50.59 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



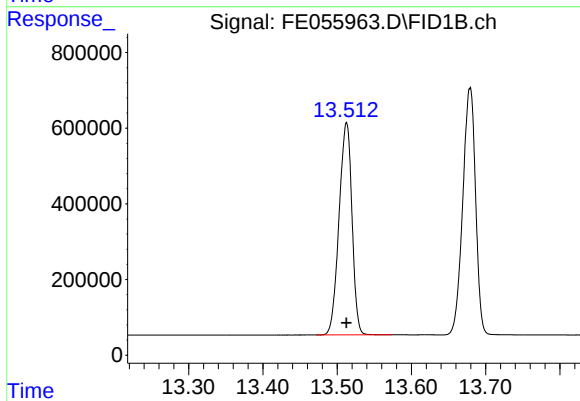
#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.000 min
Response: 8067243
Conc: 50.72 ug/ml



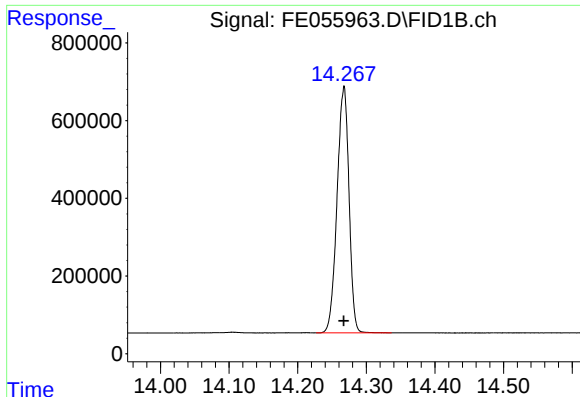
#11 n-Heneicosane (C21)

R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 7830269
Conc: 50.39 ug/ml



#12 1-chlorooctadecane (SURR)

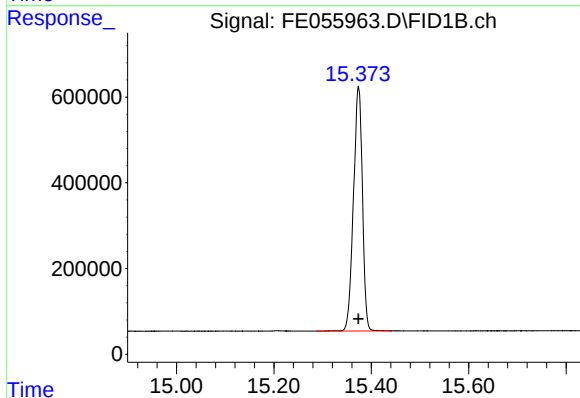
R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 6779455
Conc: 50.37 ug/ml



#13 n-Docosane (C22)

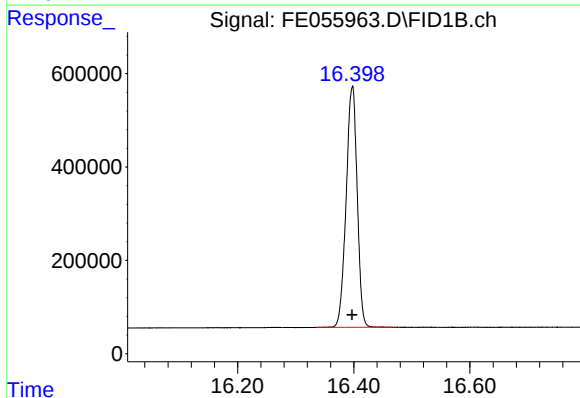
R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 7654502
Conc: 50.17 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



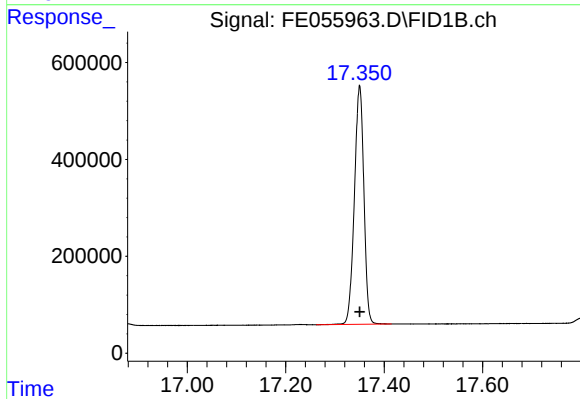
#14 n-Tetracosane (C24)

R.T.: 15.374 min
Delta R.T.: 0.000 min
Response: 7266695
Conc: 50.01 ug/ml



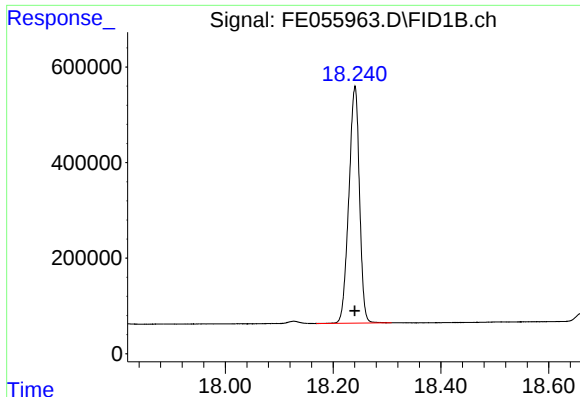
#15 n-Hexacosane (C26)

R.T.: 16.397 min
Delta R.T.: 0.000 min
Response: 6822136
Conc: 50.14 ug/ml



#16 n-Octacosane (C28)

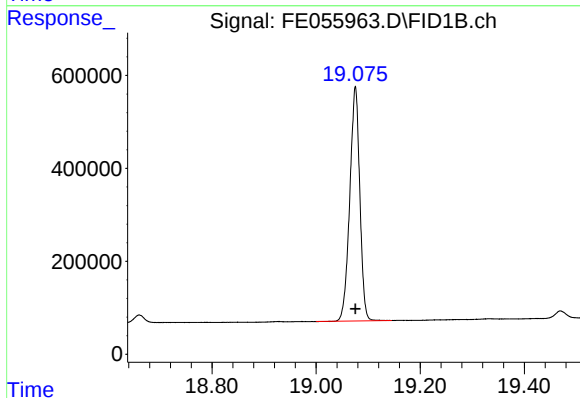
R.T.: 17.350 min
Delta R.T.: 0.000 min
Response: 6587657
Conc: 50.25 ug/ml



#17 n-Tricontane (C30)

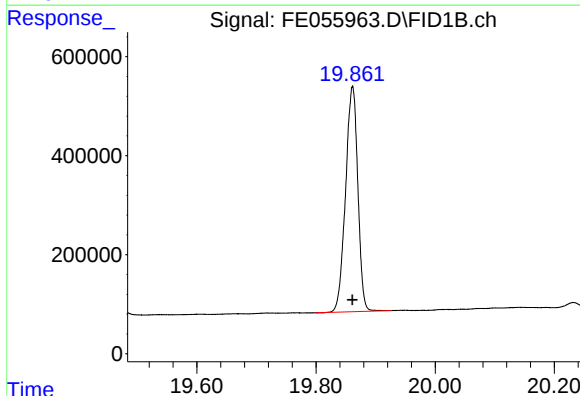
R.T.: 18.240 min
Delta R.T.: 0.000 min
Response: 6773890
Conc: 49.92 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



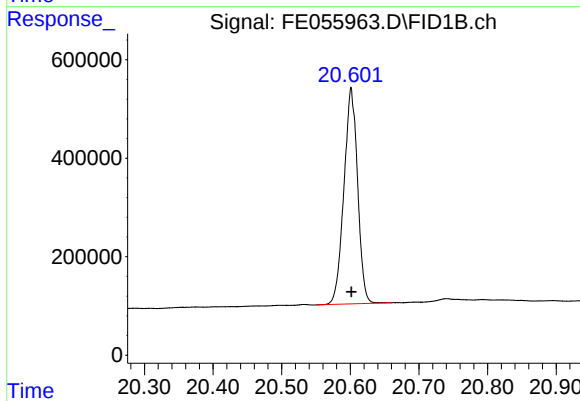
#18 n-Dotriacontane (C32)

R.T.: 19.075 min
Delta R.T.: 0.000 min
Response: 6740087
Conc: 49.58 ug/ml



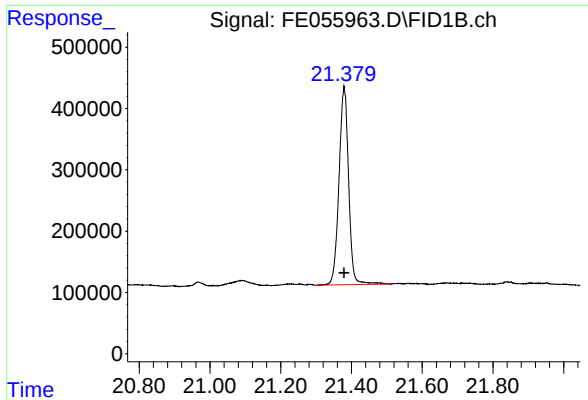
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: 0.000 min
Response: 6516174
Conc: 49.73 ug/ml



#20 n-Hexatriacontane (C36)

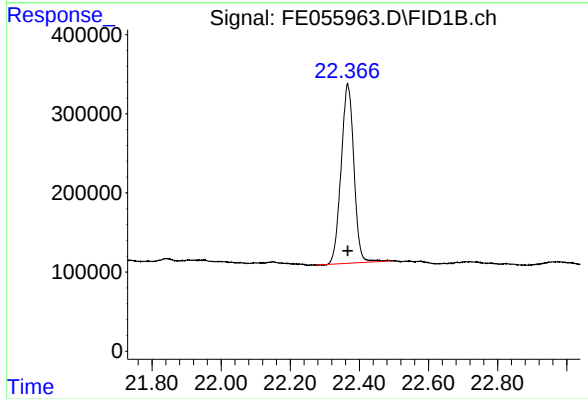
R.T.: 20.601 min
Delta R.T.: 0.000 min
Response: 6074929
Conc: 50.04 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.000 min
Response: 6099413
Conc: 51.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 5796100
Conc: 51.55 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055963.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 09:37
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.414	3.370	3.475	BB	776378	7521327	82.60%	4.637%
2	4.671	4.633	4.737	BB	783988	7621160	83.69%	4.699%
3	6.390	6.350	6.492	BB	881625	8539649	93.78%	5.265%
4	6.847	6.810	6.907	BB	774294	7750210	85.11%	4.778%
5	7.492	7.443	7.587	BB	820251	8232099	90.40%	5.076%
6	8.683	8.648	8.755	BB	764717	7796895	85.62%	4.807%
7	10.299	10.262	10.360	BB	758326	8184868	89.88%	5.046%
8	11.750	11.707	11.807	BB	753100	8429200	92.57%	5.197%
9	12.077	12.037	12.135	BB	854162	9105995	100.00%	5.614%
10	13.064	13.022	13.120	BB	711166	8067243	88.59%	4.974%
11	13.512	13.472	13.573	BB	561964	6779455	74.45%	4.180%
12	13.679	13.613	13.738	BB	653612	7830269	85.99%	4.828%
13	14.267	14.227	14.337	BB	630007	7654502	84.06%	4.719%
14	15.374	15.287	15.442	BB	570219	7266695	79.80%	4.480%
15	16.397	16.335	16.465	BB	514565	6822136	74.92%	4.206%
16	17.350	17.262	17.415	BB	493737	6587657	72.34%	4.062%
17	18.240	18.168	18.308	BB	493734	6773890	74.39%	4.177%
18	19.075	19.000	19.145	BB	505191	6740087	74.02%	4.156%
19	19.861	19.800	19.927	BB	456961	6516174	71.56%	4.018%
20	20.601	20.550	20.660	BB	437030	6074929	66.71%	3.746%
21	21.379	21.300	21.513	BV	323069	6099413	66.98%	3.761%
22	22.366	22.275	22.493	BB	226612	5796100	63.65%	3.574%
Sum of corrected areas:						162189953		

Aliphatic EPH 092425.M Wed Sep 24 15:36:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055964.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:07
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Sep 24 11:01:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 11:00:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.072	3567994	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.509	2647245	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.411	2766852	20.000 ug/ml
2) T n-Decane (C10)	4.669	2814312	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.388	3171326	20.000 ug/ml
4) T n-Dodecane (C12)	6.844	2881508	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.489	3059763	20.000 ug/ml
6) T n-Tetradecane (C14)	8.681	2927514	20.000 ug/ml
7) T n-Hexadecane (C16)	10.296	3109210	20.000 ug/ml
8) T n-Octadecane (C18)	11.746	3251555	20.000 ug/ml
10) T n-Eicosane (C20)	13.061	3151785	20.000 ug/ml
11) T n-Heneicosane (C21)	13.675	3077000	20.000 ug/ml
13) T n-Docosane (C22)	14.264	3018934	20.000 ug/ml
14) T n-Tetracosane (C24)	15.369	2880999	20.000 ug/ml
15) T n-Hexacosane (C26)	16.394	2712524	20.000 ug/ml
16) T n-Octacosane (C28)	17.346	2656180	20.000 ug/ml
17) T n-Tricontane (C30)	18.236	2820975	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.071	2869454	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2735529	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.598	2490383	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.374	2320773	20.000 ug/ml
22) T n-Tetracontane (C40)	22.360	2272256	20.000 ug/ml

(f)=RT Delta > 1/2 Window

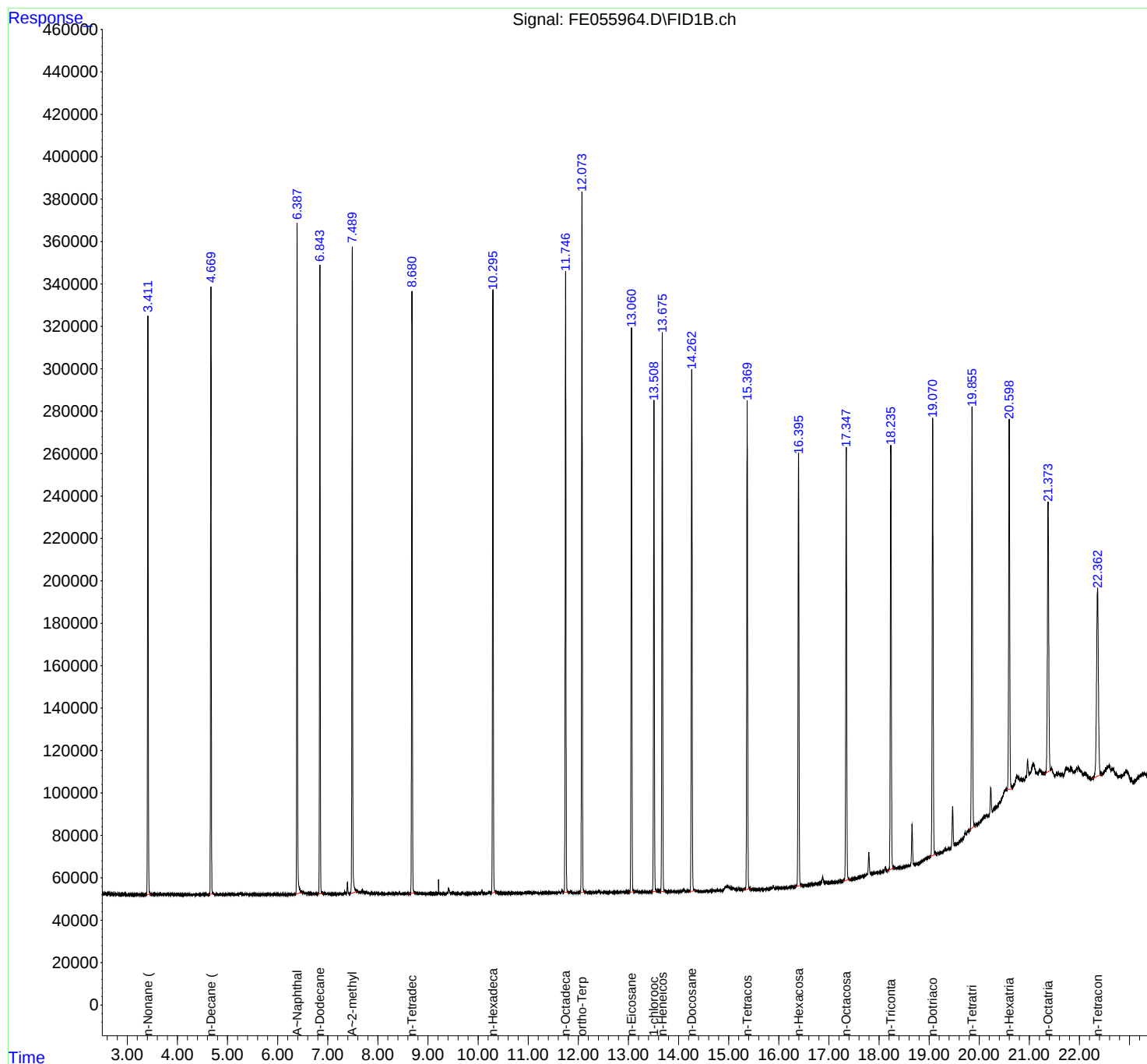
(m)=manual int.

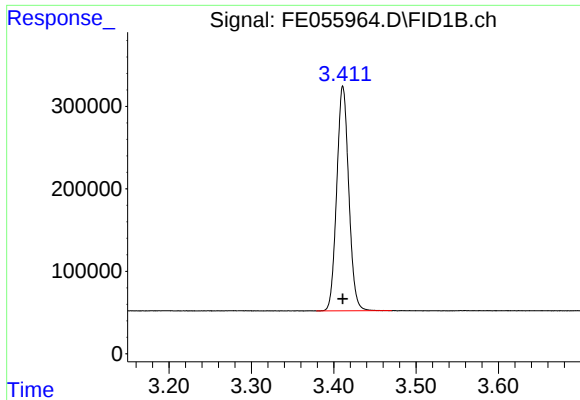
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055964.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:07
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 24 11:01:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 11:00:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

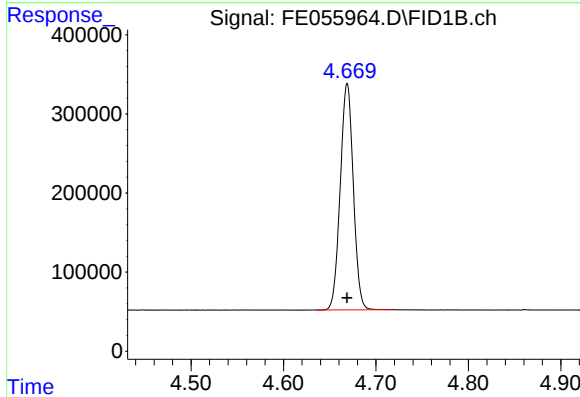




#1 n-Nonane (C9)

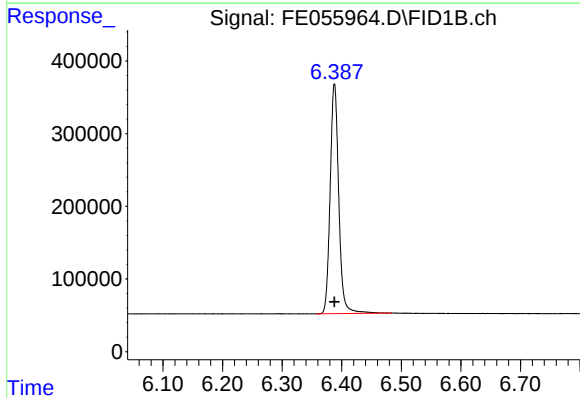
R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 2766852
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



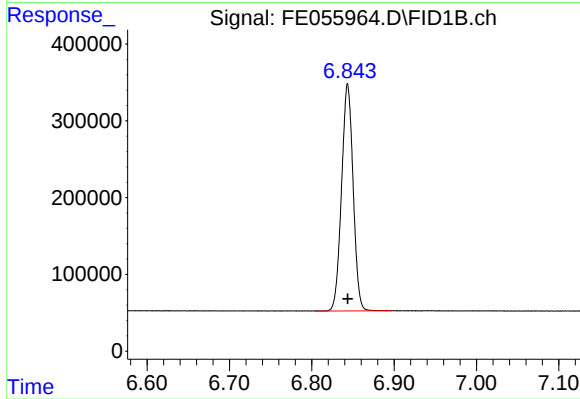
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: 0.000 min
Response: 2814312
Conc: 20.00 ug/ml



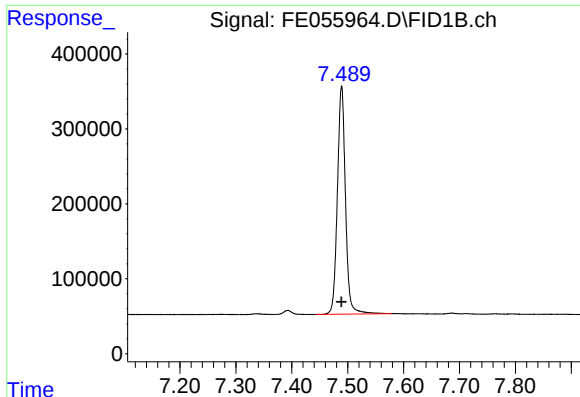
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 3171326
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

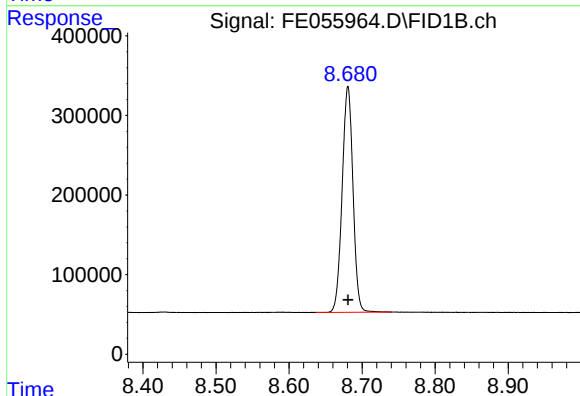
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2881508
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

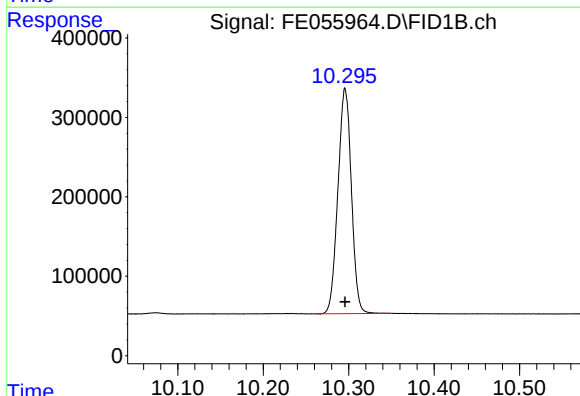
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 3059763
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



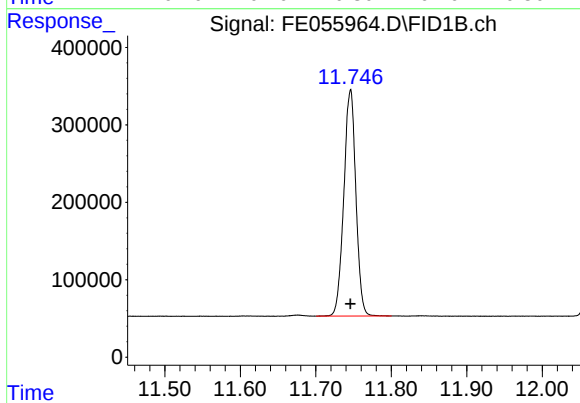
#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 2927514
Conc: 20.00 ug/ml



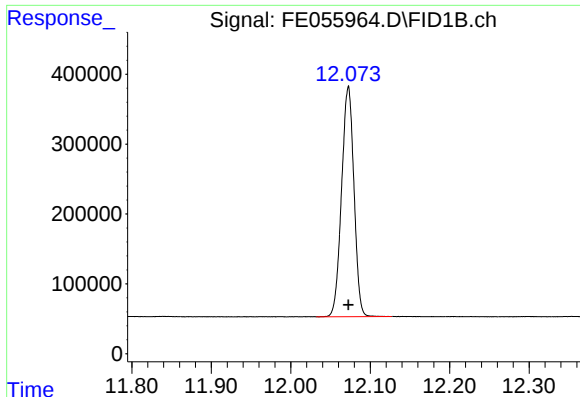
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: 0.000 min
Response: 3109210
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

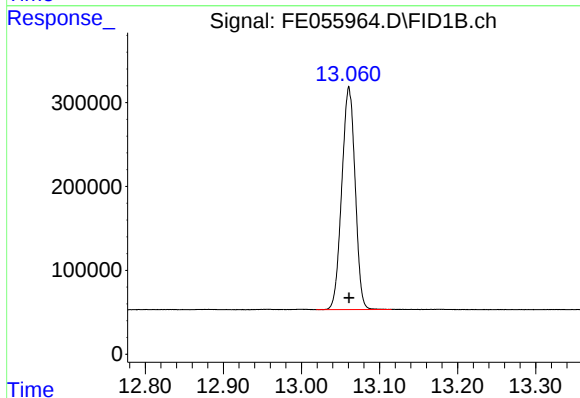
R.T.: 11.746 min
Delta R.T.: 0.000 min
Response: 3251555
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

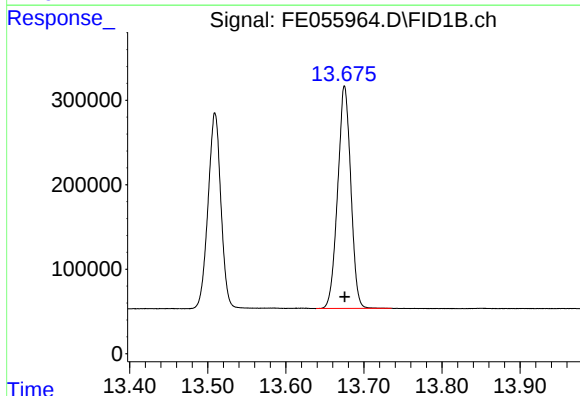
R.T.: 12.072 min
Delta R.T.: 0.000 min
Response: 3567994
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



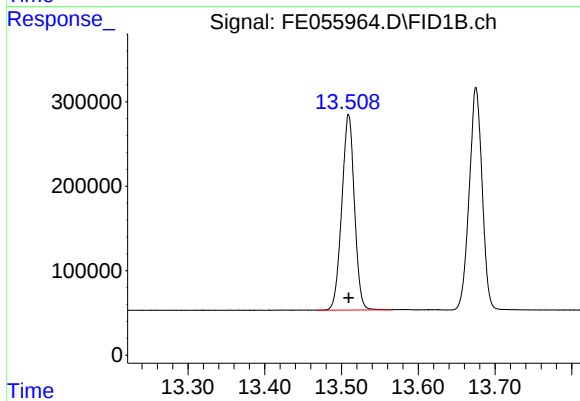
#10 n-Eicosane (C20)

R.T.: 13.061 min
Delta R.T.: 0.000 min
Response: 3151785
Conc: 20.00 ug/ml



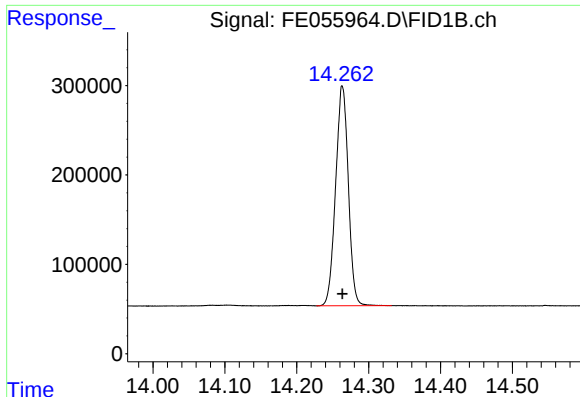
#11 n-Heneicosane (C21)

R.T.: 13.675 min
Delta R.T.: 0.000 min
Response: 3077000
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

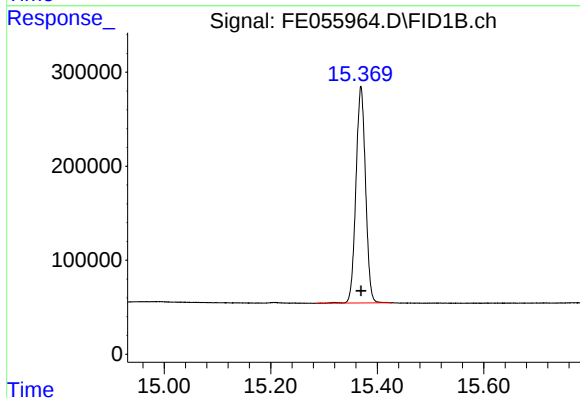
R.T.: 13.509 min
Delta R.T.: 0.000 min
Response: 2647245
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

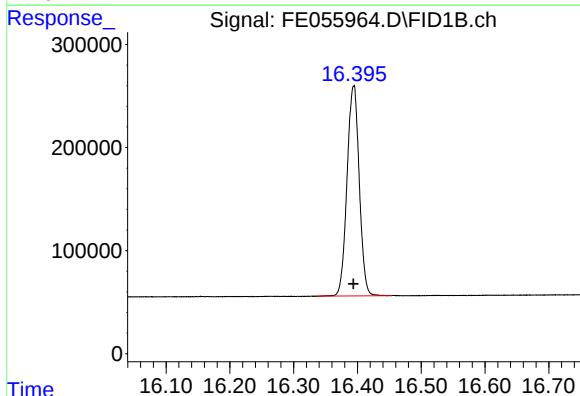
R.T.: 14.264 min
Delta R.T.: 0.000 min
Response: 3018934
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



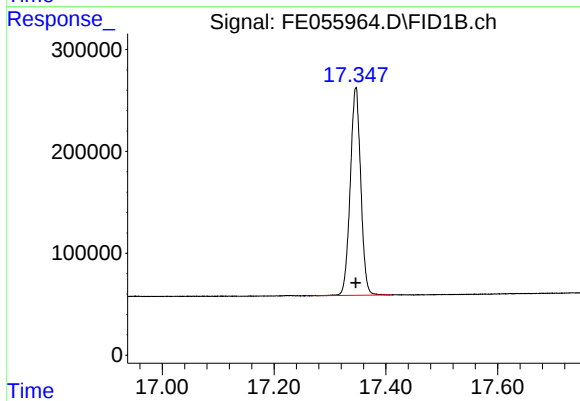
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 2880999
Conc: 20.00 ug/ml



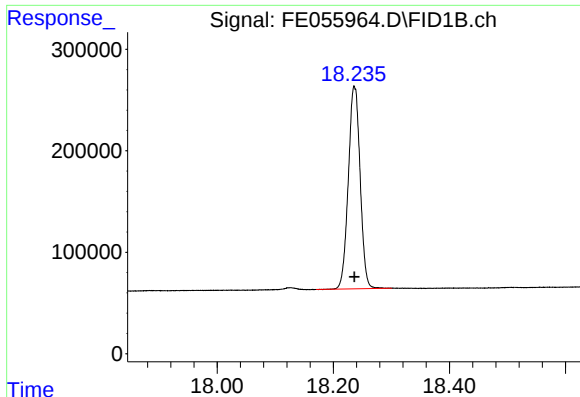
#15 n-Hexacosane (C26)

R.T.: 16.394 min
Delta R.T.: 0.000 min
Response: 2712524
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

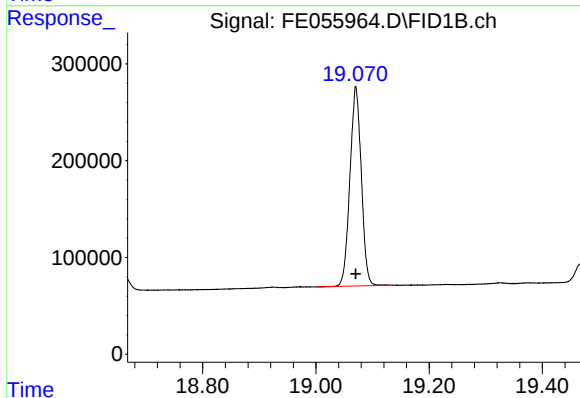
R.T.: 17.346 min
Delta R.T.: 0.000 min
Response: 2656180
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

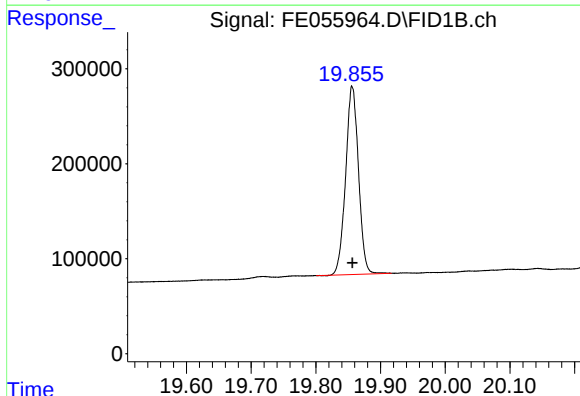
R.T.: 18.236 min
Delta R.T.: 0.000 min
Response: 2820975
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



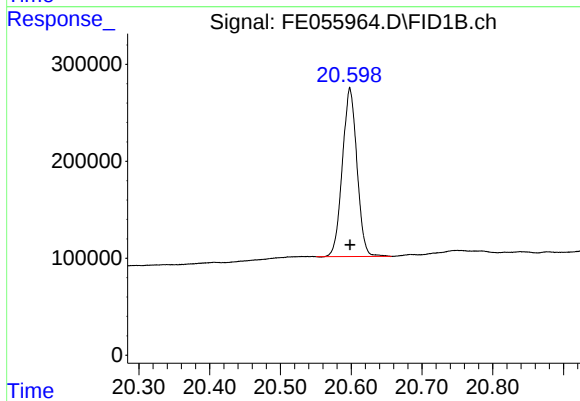
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: 0.000 min
Response: 2869454
Conc: 20.00 ug/ml



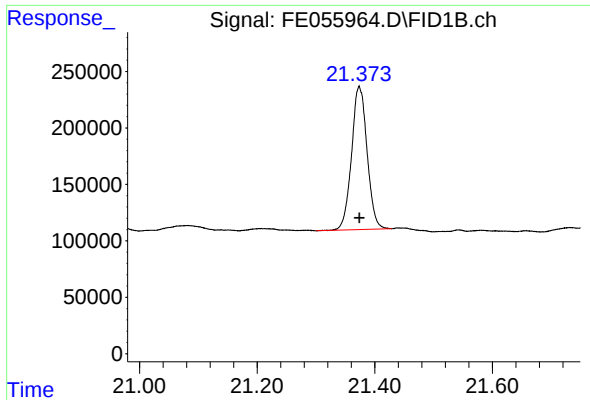
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 2735529
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

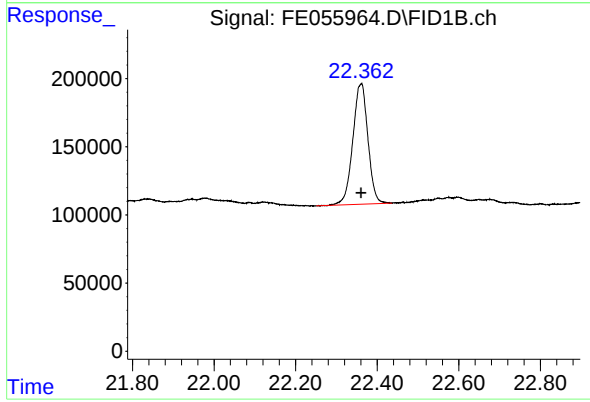
R.T.: 20.598 min
Delta R.T.: 0.000 min
Response: 2490383
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.374 min
Delta R.T.: 0.000 min
Response: 2320773
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.360 min
Delta R.T.: 0.000 min
Response: 2272256
Conc: 20.00 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055964.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:07
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.379	3.470	BB	272925	2766852	77.55%	4.378%
2	4.669	4.635	4.717	BB	286203	2814312	78.88%	4.453%
3	6.388	6.357	6.484	BB	317204	3171326	88.88%	5.018%
4	6.844	6.805	6.897	BB	295559	2881508	80.76%	4.559%
5	7.489	7.444	7.579	BB	304084	3059763	85.76%	4.841%
6	8.681	8.637	8.740	BB	284130	2927514	82.05%	4.632%
7	10.296	10.262	10.350	BB	283977	3109210	87.14%	4.919%
8	11.746	11.700	11.800	BB	291244	3251555	91.13%	5.145%
9	12.072	12.032	12.127	BB	328303	3567994	100.00%	5.645%
10	13.061	13.019	13.115	BB	265259	3151785	88.33%	4.987%
11	13.509	13.467	13.565	BB	232459	2647245	74.19%	4.188%
12	13.675	13.639	13.735	BB	263085	3077000	86.24%	4.868%
13	14.264	14.227	14.332	BB	245238	3018934	84.61%	4.776%
14	15.369	15.285	15.427	BB	230996	2880999	80.75%	4.558%
15	16.394	16.335	16.454	BB	203871	2712524	76.02%	4.292%
16	17.346	17.275	17.410	BB	204223	2656180	74.44%	4.203%
17	18.236	18.170	18.300	BB	198304	2820975	79.06%	4.463%
18	19.071	19.000	19.134	BB	206283	2869454	80.42%	4.540%
19	19.856	19.800	19.917	BB	197030	2735529	76.67%	4.328%
20	20.598	20.550	20.657	BV	173259	2490383	69.80%	3.940%
21	21.374	21.300	21.429	BV	126907	2320773	65.04%	3.672%
22	22.360	22.250	22.435	BB	88187	2272256	63.68%	3.595%
Sum of corrected areas:							63204070	

Aliphatic EPH 092425.M Wed Sep 24 15:37:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055965.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:38
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Sep 24 12:53:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:53:03 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.070	1954951	10.632 ug/ml
Spiked Amount 50.000		Recovery =	21.26%
12) S 1-chlorooctadecane (S...	13.507	1449608	10.566 ug/ml
Spiked Amount 50.000		Recovery =	21.13%
Target Compounds			
1) T n-Nonane (C9)	3.408	1363863	9.986 ug/ml
2) T n-Decane (C10)	4.667	1391033	9.997 ug/ml
3) T A~Naphthalene (C11.7)	6.387	1598546	9.989 ug/ml
4) T n-Dodecane (C12)	6.843	1436113	10.031 ug/ml
5) T A~2-methylnaphthalene...	7.488	1559116	9.998 ug/ml
6) T n-Tetradecane (C14)	8.680	1496128	10.183 ug/ml
7) T n-Hexadecane (C16)	10.294	1620157	10.289 ug/ml
8) T n-Octadecane (C18)	11.744	1759004	10.560 ug/ml
10) T n-Eicosane (C20)	13.059	1725698	10.625 ug/ml
11) T n-Heneicosane (C21)	13.674	1692180	10.652 ug/ml
13) T n-Docosane (C22)	14.262	1664317	10.666 ug/ml
14) T n-Tetracosane (C24)	15.369	1581785	10.651 ug/ml
15) T n-Hexacosane (C26)	16.393	1487319	10.683 ug/ml
16) T n-Octacosane (C28)	17.345	1455613	10.805 ug/ml
17) T n-Tricontane (C30)	18.235	1558692	11.075 ug/ml
18) T n-Dotriacontane (C32)	19.070	1561208	11.073 ug/ml
19) T n-Tetratriacontane (C34)	19.856	1478766	10.935 ug/ml
20) T n-Hexatriacontane (C36)	20.597	1356484	10.855 ug/ml
21) T n-Octatriacontane (C38)	21.372	1544566	12.174 ug/ml
22) T n-Tetracontane (C40)	22.359	1260670	10.882 ug/ml

(f)=RT Delta > 1/2 Window

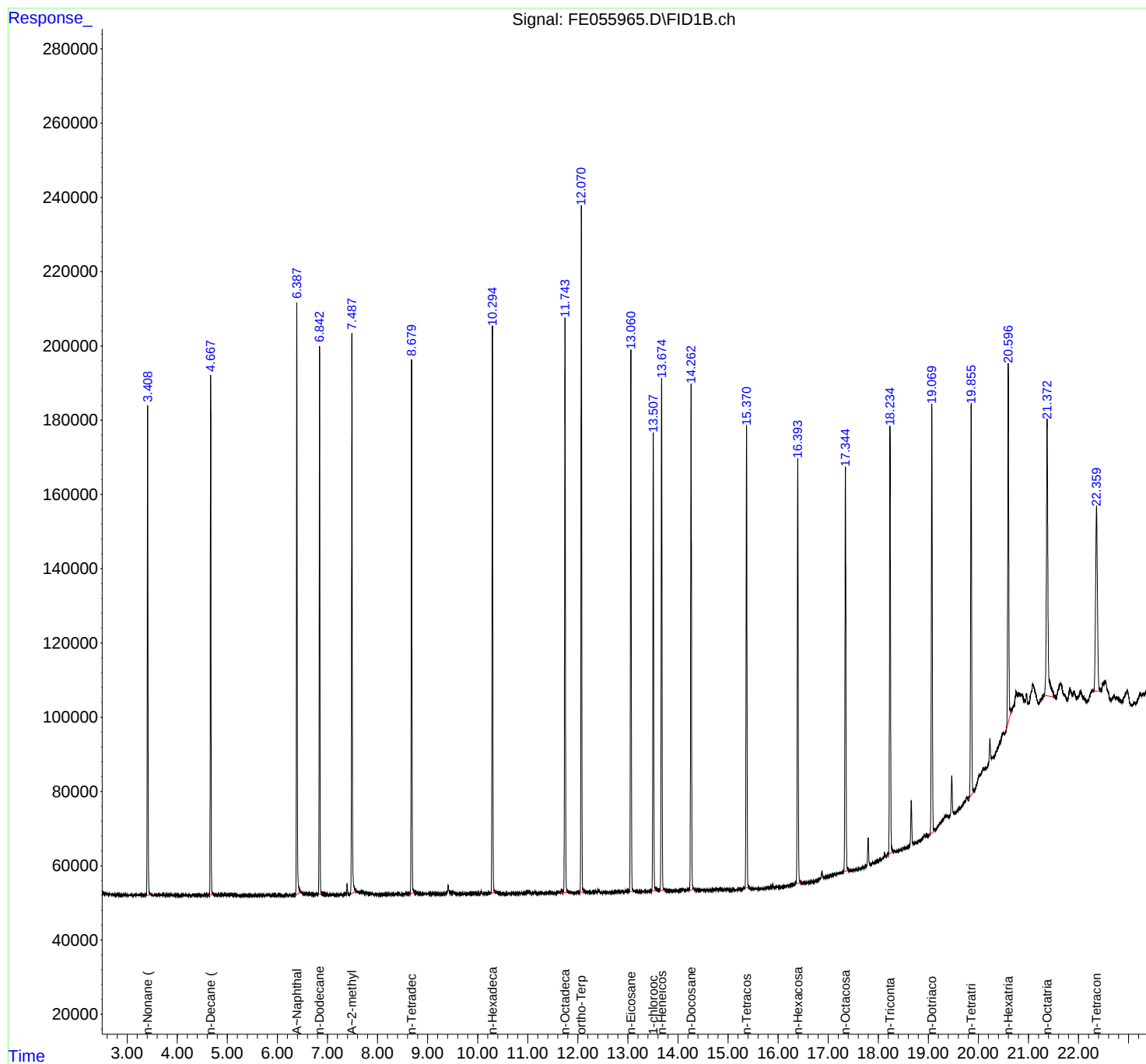
(m)=manual int.

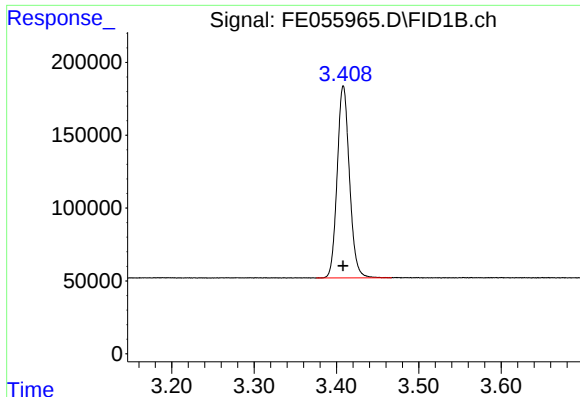
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055965.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:38
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 24 12:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:53:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

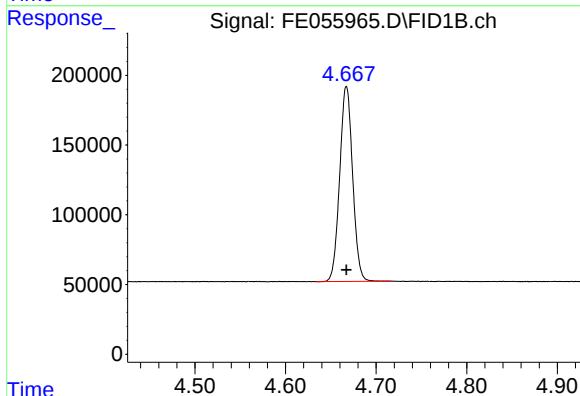




#1 n-Nonane (C9)

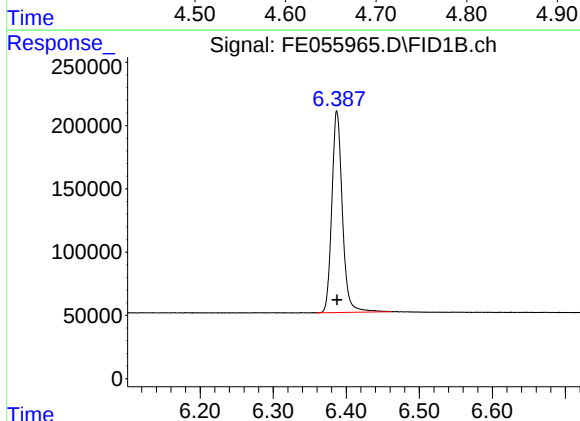
R.T.: 3.408 min
Delta R.T.: 0.000 min
Response: 1363863
Conc: 9.99 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



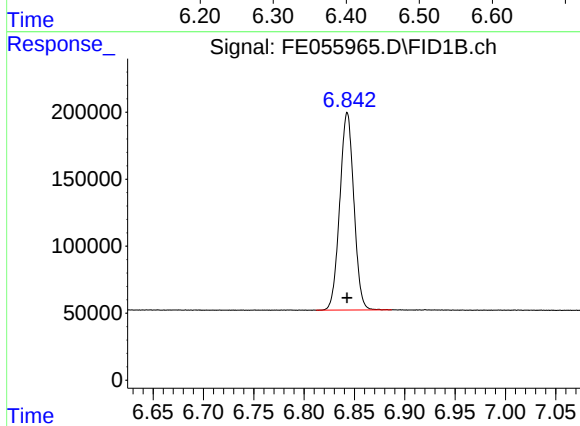
#2 n-Decane (C10)

R.T.: 4.667 min
Delta R.T.: 0.000 min
Response: 1391033
Conc: 10.00 ug/ml



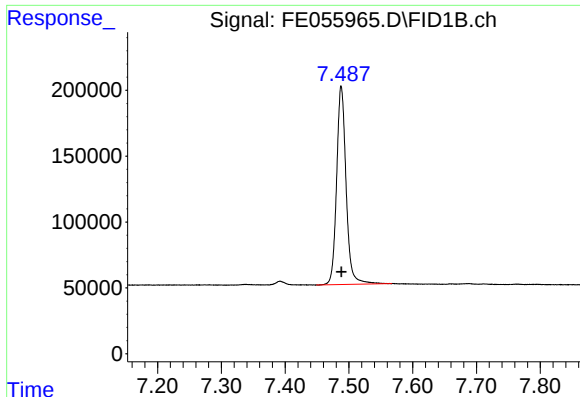
#3 A~Naphthalene (C11.7)

R.T.: 6.387 min
Delta R.T.: 0.000 min
Response: 1598546
Conc: 9.99 ug/ml



#4 n-Dodecane (C12)

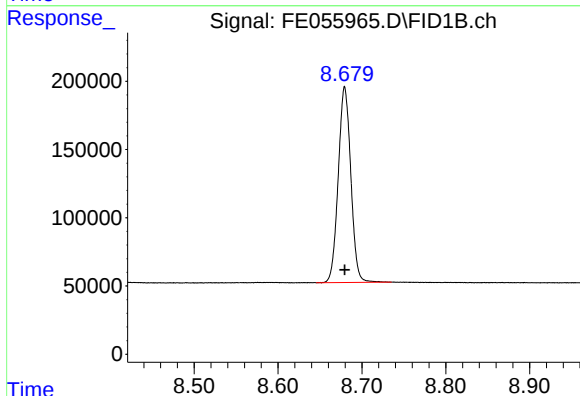
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1436113
Conc: 10.03 ug/ml



#5 A~2-methylnaphthalene (C12.89)

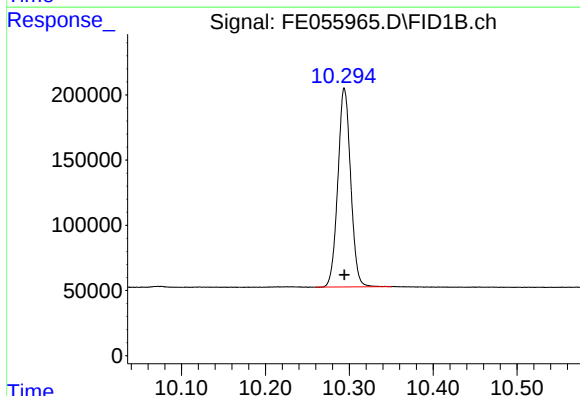
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 1559116
Conc: 10.00 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



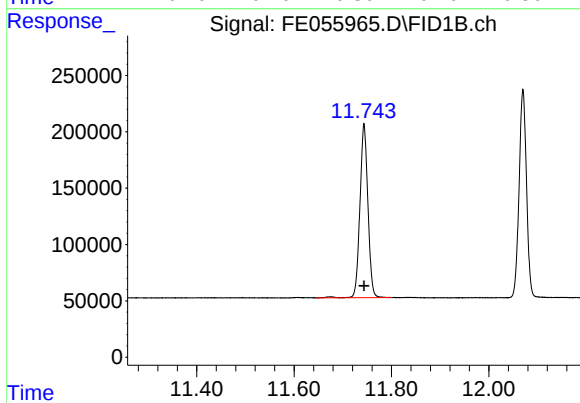
#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 1496128
Conc: 10.18 ug/ml



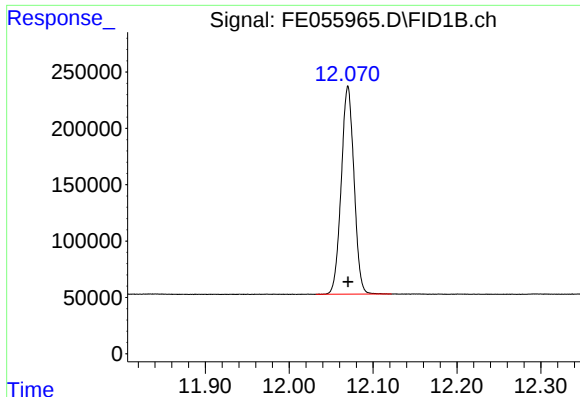
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 1620157
Conc: 10.29 ug/ml



#8 n-Octadecane (C18)

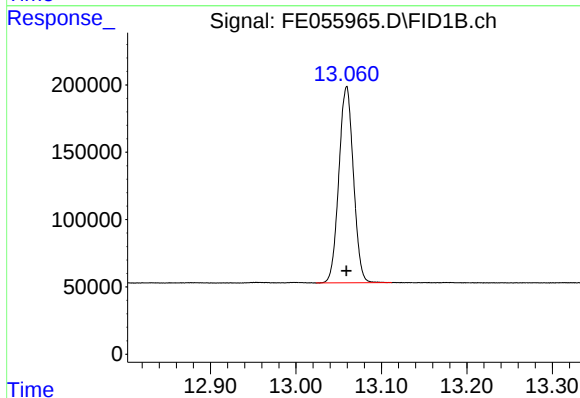
R.T.: 11.744 min
Delta R.T.: 0.000 min
Response: 1759004
Conc: 10.56 ug/ml



#9 ortho-Terphenyl (SURR)

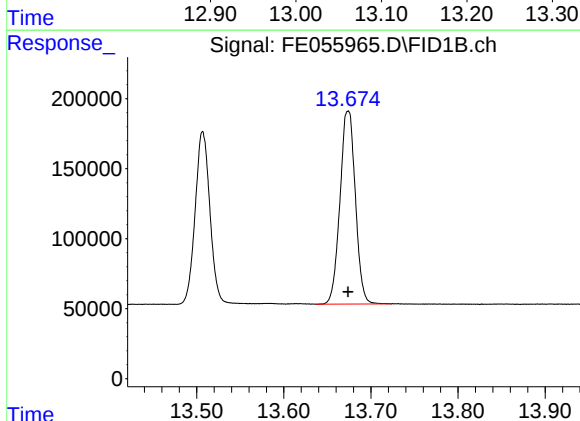
R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 1954951
Conc: 10.63 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



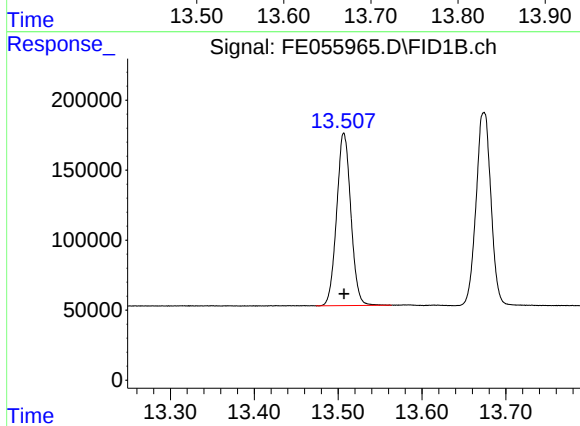
#10 n-Eicosane (C20)

R.T.: 13.059 min
Delta R.T.: 0.000 min
Response: 1725698
Conc: 10.62 ug/ml



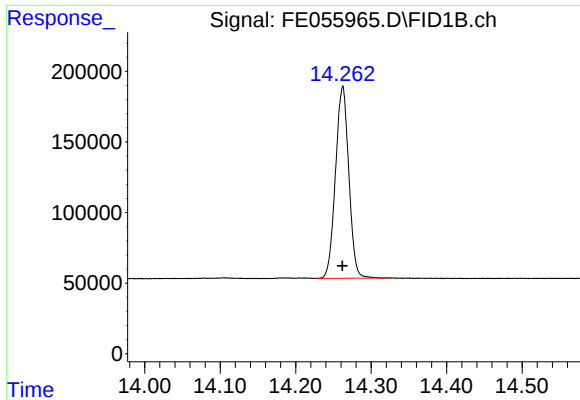
#11 n-Heneicosane (C21)

R.T.: 13.674 min
Delta R.T.: 0.000 min
Response: 1692180
Conc: 10.65 ug/ml



#12 1-chlorooctadecane (SURR)

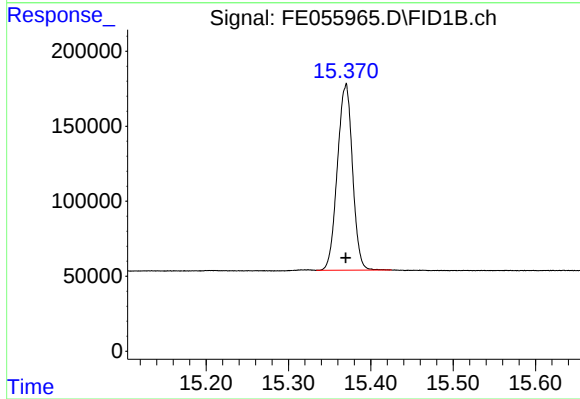
R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 1449608
Conc: 10.57 ug/ml



#13 n-Docosane (C22)

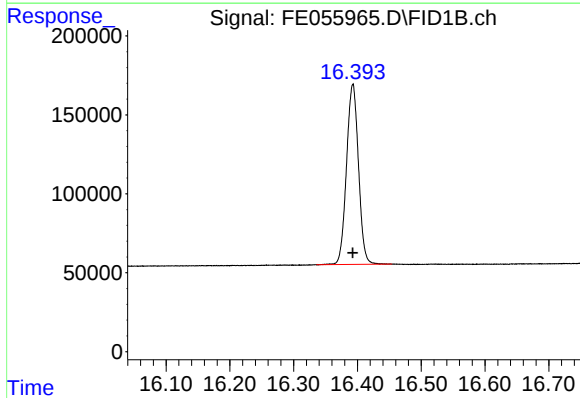
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 1664317
Conc: 10.67 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



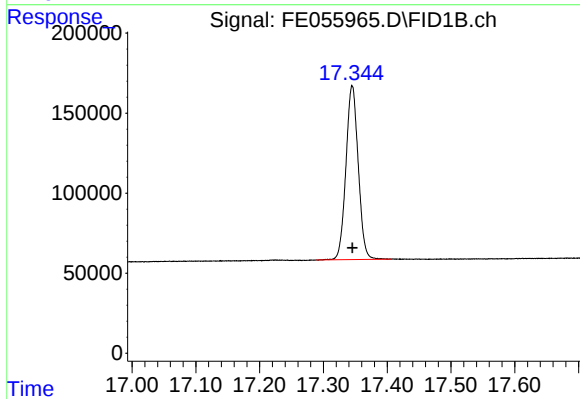
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 1581785
Conc: 10.65 ug/ml



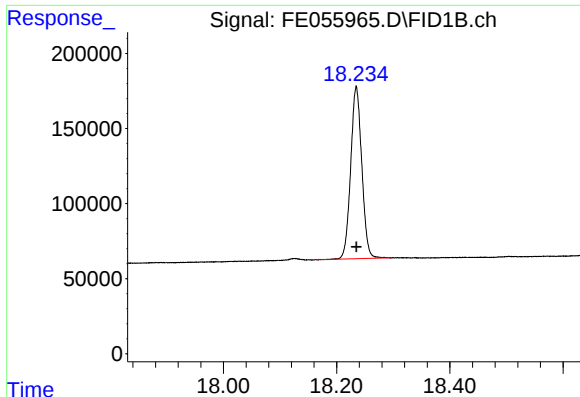
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 1487319
Conc: 10.68 ug/ml



#16 n-Octacosane (C28)

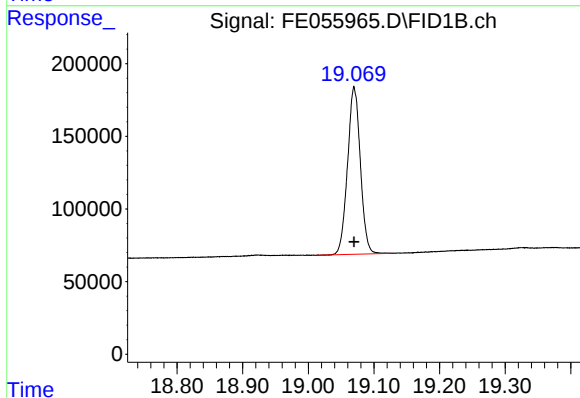
R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 1455613
Conc: 10.80 ug/ml



#17 n-Tricontane (C30)

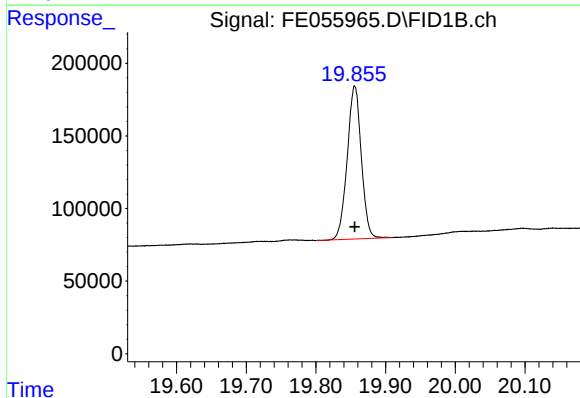
R.T.: 18.235 min
Delta R.T.: 0.000 min
Response: 1558692
Conc: 11.08 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



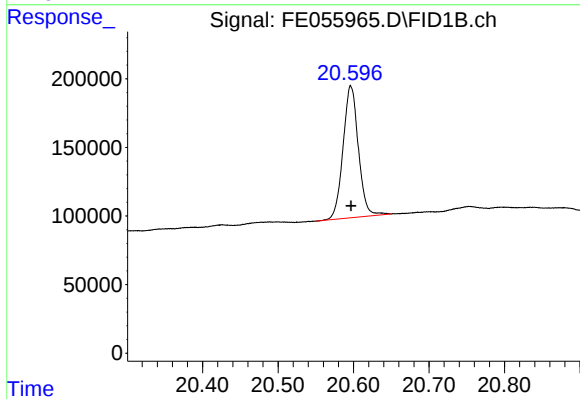
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 1561208
Conc: 11.07 ug/ml



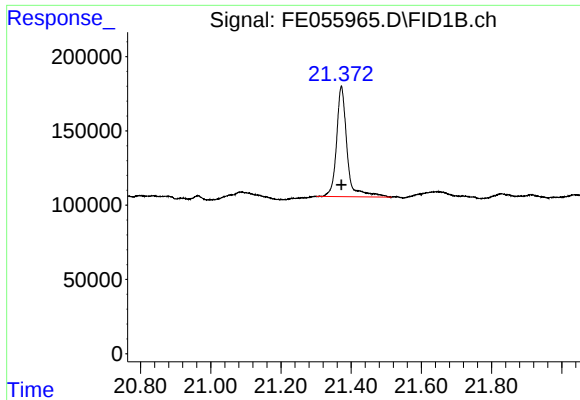
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 1478766
Conc: 10.93 ug/ml



#20 n-Hexatriacontane (C36)

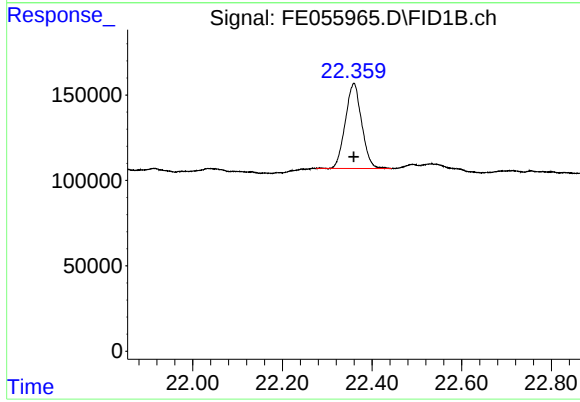
R.T.: 20.597 min
Delta R.T.: 0.000 min
Response: 1356484
Conc: 10.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.372 min
Delta R.T.: 0.000 min
Response: 1544566
Conc: 12.17 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.359 min
Delta R.T.: 0.000 min
Response: 1260670
Conc: 10.88 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055965.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 10:38
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.408	3.375	3.467	BB	131891	1363863	69.76%	4.012%
2	4.667	4.634	4.717	BB	140046	1391033	71.15%	4.092%
3	6.387	6.359	6.462	BB	159227	1598546	81.77%	4.702%
4	6.843	6.812	6.887	BB	147153	1436113	73.46%	4.224%
5	7.488	7.449	7.567	BB	149955	1559116	79.75%	4.586%
6	8.680	8.645	8.735	BB	142760	1496128	76.53%	4.401%
7	10.294	10.260	10.350	BB	152463	1620157	82.87%	4.766%
8	11.744	11.645	11.800	BB	154452	1759004	89.98%	5.174%
9	12.070	12.032	12.122	BB	185078	1954951	100.00%	5.751%
10	13.059	13.024	13.112	BB	145649	1725698	88.27%	5.076%
11	13.507	13.474	13.564	BB	123157	1449608	74.15%	4.264%
12	13.674	13.637	13.724	BB	137839	1692180	86.56%	4.978%
13	14.262	14.227	14.327	BB	136020	1664317	85.13%	4.896%
14	15.369	15.334	15.425	BB	122593	1581785	80.91%	4.653%
15	16.393	16.335	16.454	BB	114164	1487319	76.08%	4.375%
16	17.345	17.289	17.407	BB	108605	1455613	74.46%	4.282%
17	18.235	18.164	18.297	BB	114916	1558692	79.73%	4.585%
18	19.070	19.012	19.127	BB	114664	1561208	79.86%	4.592%
19	19.856	19.800	19.909	BB	105560	1478766	75.64%	4.350%
20	20.597	20.550	20.650	BB	95575	1356484	69.39%	3.990%
21	21.372	21.300	21.515	BB	74470	1544566	79.01%	4.543%
22	22.359	22.275	22.444	BB	49805	1260670	64.49%	3.708%
Sum of corrected areas:						33995817		

Aliphatic EPH 092425.M Wed Sep 24 15:37:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055966.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:08
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Sep 24 12:55:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:54:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.070	1013713	5.402 ug/ml
Spiked Amount 50.000		Recovery =	10.80%
12) S 1-chlorooctadecane (S...	13.507	745262	5.340 ug/ml
Spiked Amount 50.000		Recovery =	10.68%
Target Compounds			
1) T n-Nonane (C9)	3.408	693246	5.060 ug/ml
2) T n-Decane (C10)	4.667	706292	5.061 ug/ml
3) T A~Naphthalene (C11.7)	6.388	790843	4.953 ug/ml
4) T n-Dodecane (C12)	6.843	724977	5.051 ug/ml
5) T A~2-methylnaphthalene...	7.489	768994	4.945 ug/ml
6) T n-Tetradecane (C14)	8.679	757520	5.124 ug/ml
7) T n-Hexadecane (C16)	10.294	823386	5.182 ug/ml
8) T n-Octadecane (C18)	11.744	903131	5.332 ug/ml
10) T n-Eicosane (C20)	13.059	895641	5.403 ug/ml
11) T n-Heneicosane (C21)	13.673	885060	5.447 ug/ml
13) T n-Docosane (C22)	14.262	874093	5.470 ug/ml
14) T n-Tetracosane (C24)	15.369	839256	5.508 ug/ml
15) T n-Hexacosane (C26)	16.393	781387	5.478 ug/ml
16) T n-Octacosane (C28)	17.345	788239	5.658 ug/ml
17) T n-Tricontane (C30)	18.235	889830	6.005 ug/ml
18) T n-Dotriacontane (C32)	19.070	910224	6.101 ug/ml
19) T n-Tetratriacontane (C34)	19.855	831525	5.879 ug/ml
20) T n-Hexatriacontane (C36)	20.596	709931	5.530 ug/ml
21) T n-Octatriacontane (C38)	21.372	745994	5.680 ug/ml
22) T n-Tetracontane (C40)	22.356	657258	5.525 ug/ml

(f)=RT Delta > 1/2 Window

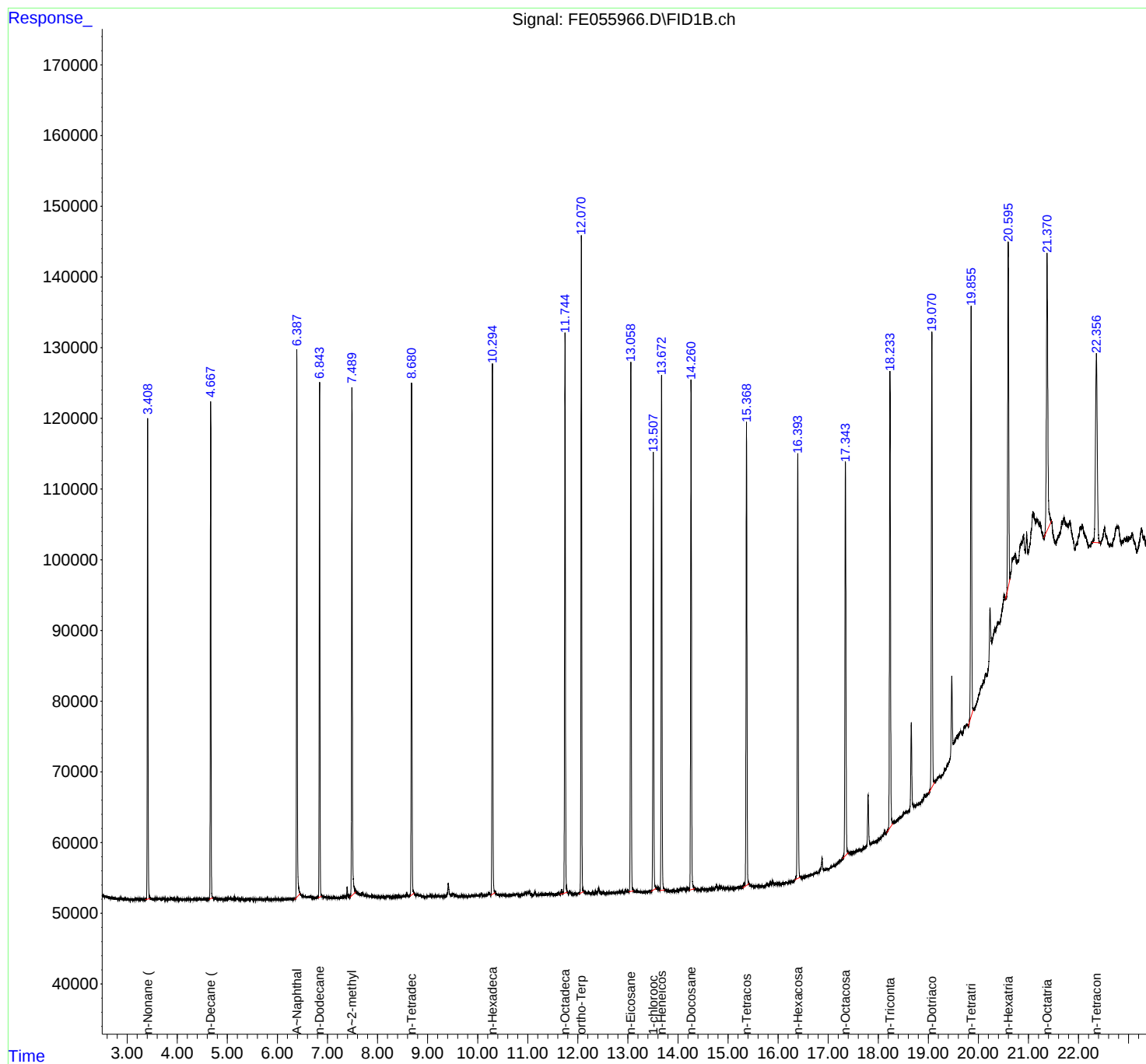
(m)=manual int.

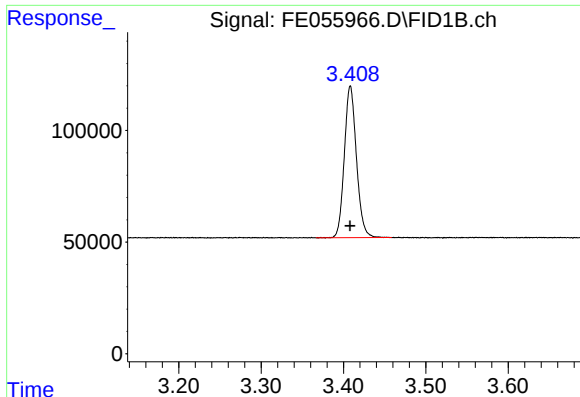
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055966.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 11:08
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 24 12:55:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:54:57 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

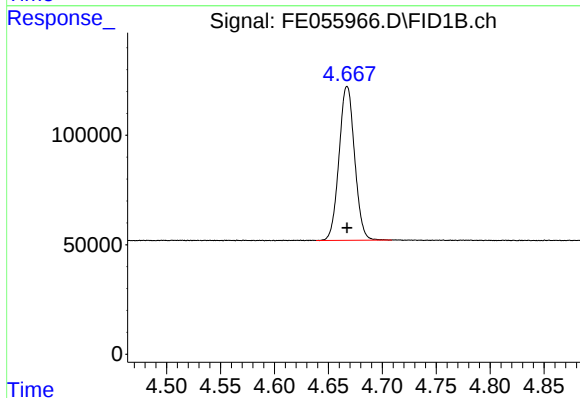




#1 n-Nonane (C9)

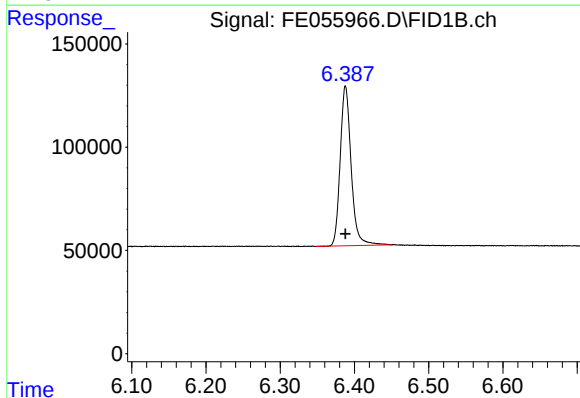
R.T.: 3.408 min
Delta R.T.: 0.000 min
Response: 693246
Conc: 5.06 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



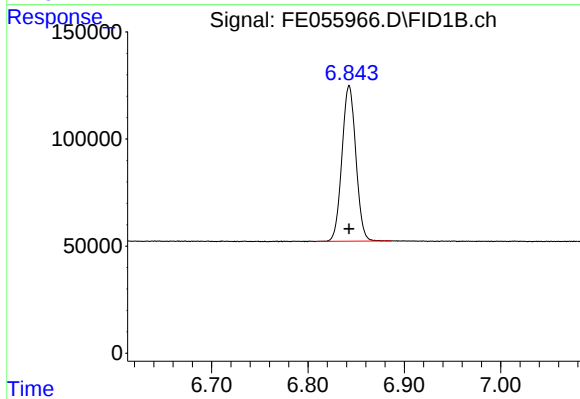
#2 n-Decane (C10)

R.T.: 4.667 min
Delta R.T.: 0.000 min
Response: 706292
Conc: 5.06 ug/ml



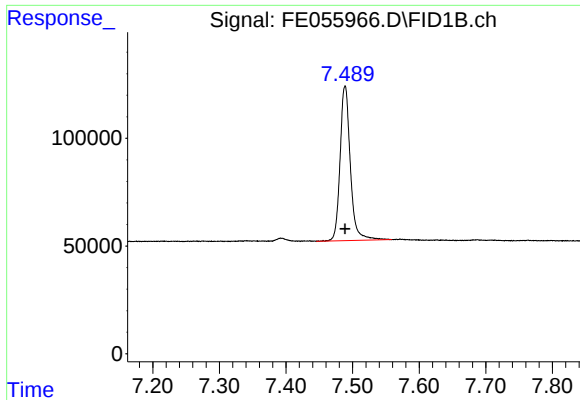
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 790843
Conc: 4.95 ug/ml



#4 n-Dodecane (C12)

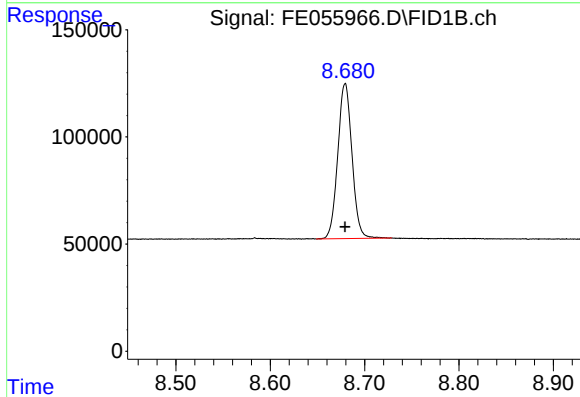
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 724977
Conc: 5.05 ug/ml



#5 A~2-methylnaphthalene (C12.89)

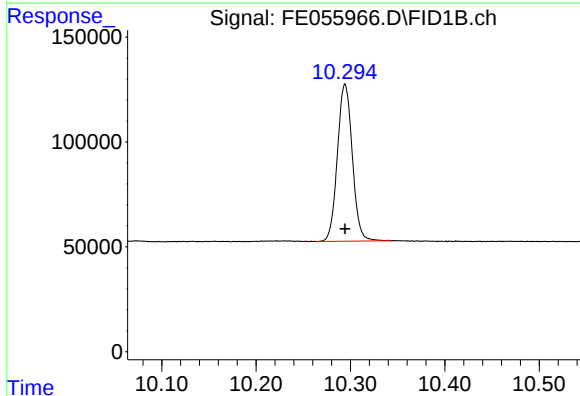
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 768994
Conc: 4.94 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



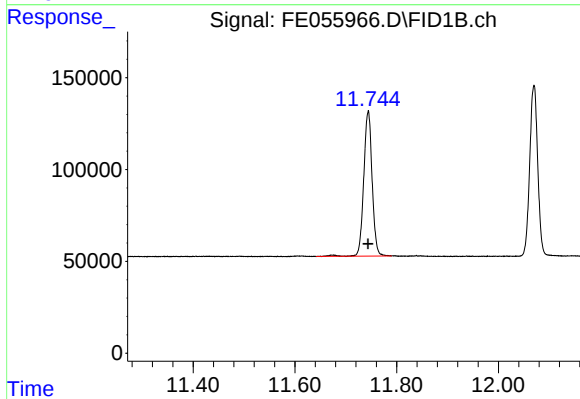
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 757520
Conc: 5.12 ug/ml



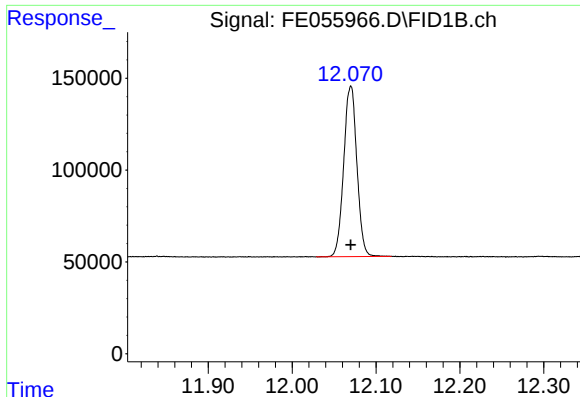
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 823386
Conc: 5.18 ug/ml



#8 n-Octadecane (C18)

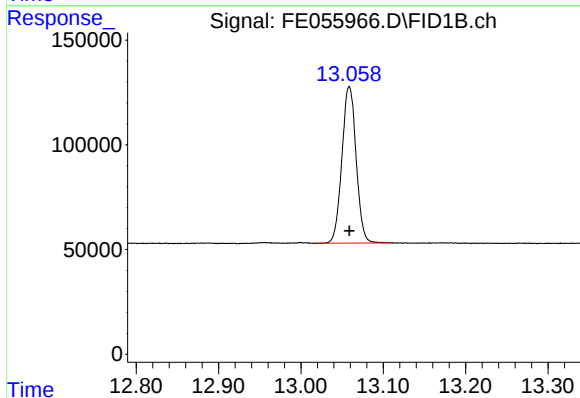
R.T.: 11.744 min
Delta R.T.: 0.000 min
Response: 903131
Conc: 5.33 ug/ml



#9 ortho-Terphenyl (SURR)

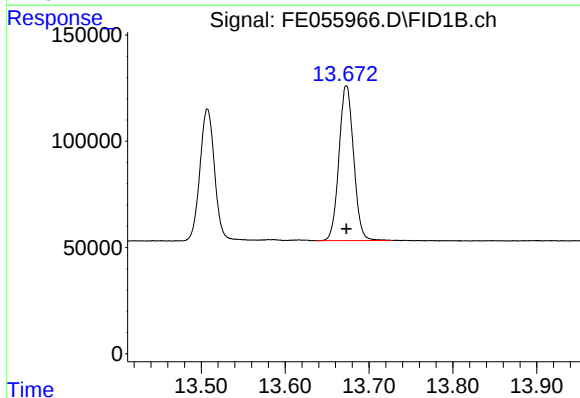
R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 1013713
Conc: 5.40 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



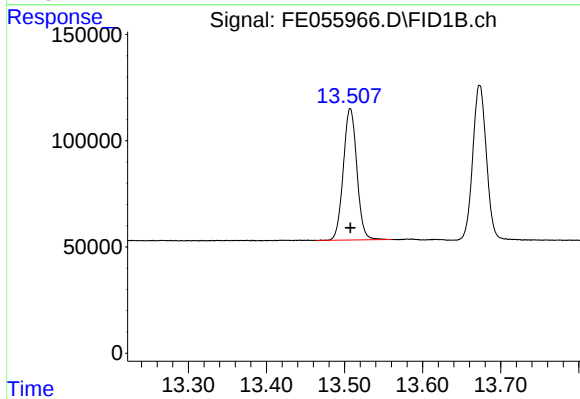
#10 n-Eicosane (C20)

R.T.: 13.059 min
Delta R.T.: 0.000 min
Response: 895641
Conc: 5.40 ug/ml



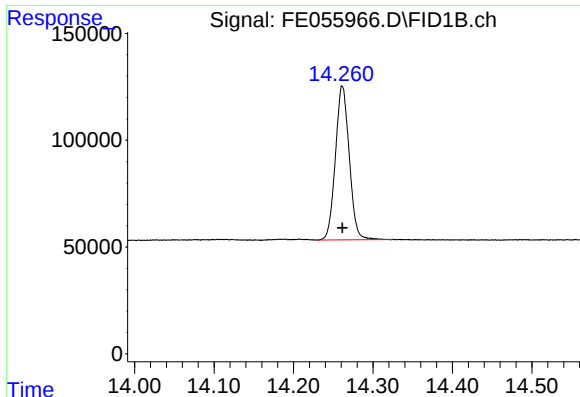
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: 0.000 min
Response: 885060
Conc: 5.45 ug/ml



#12 1-chlorooctadecane (SURR)

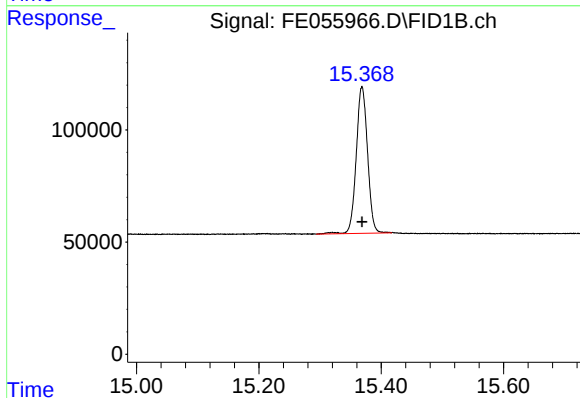
R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 745262
Conc: 5.34 ug/ml



#13 n-Docosane (C22)

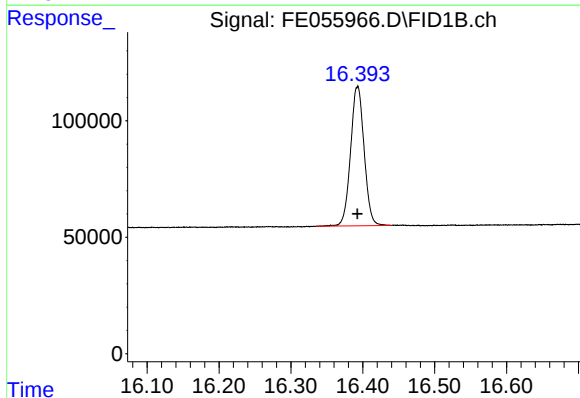
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 874093
Conc: 5.47 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



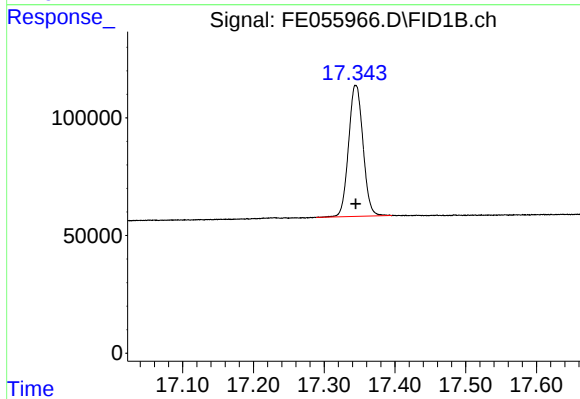
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 839256
Conc: 5.51 ug/ml



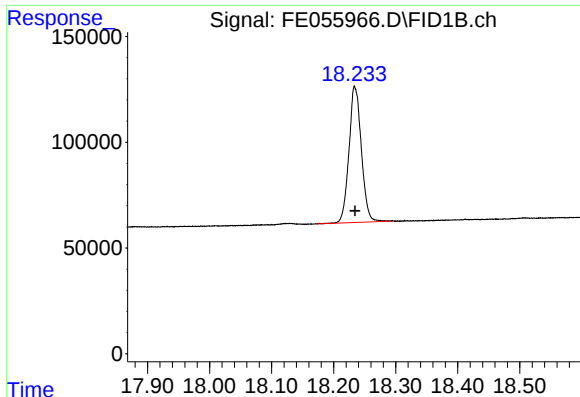
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 781387
Conc: 5.48 ug/ml



#16 n-Octacosane (C28)

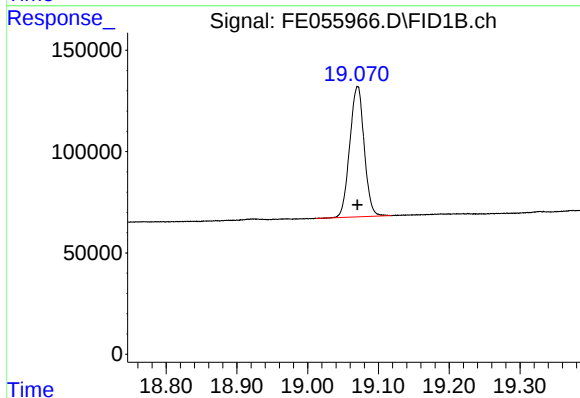
R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 788239
Conc: 5.66 ug/ml



#17 n-Tricontane (C30)

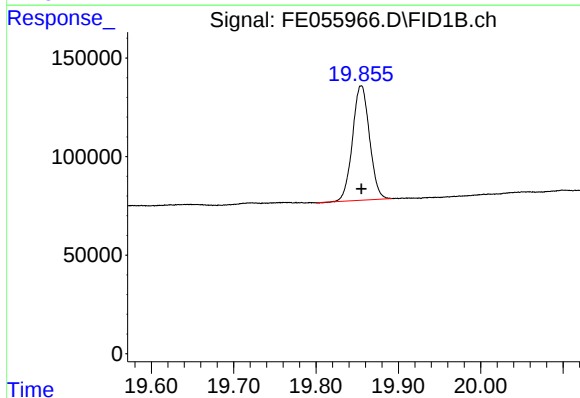
R.T.: 18.235 min
Delta R.T.: 0.000 min
Response: 889830
Conc: 6.01 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



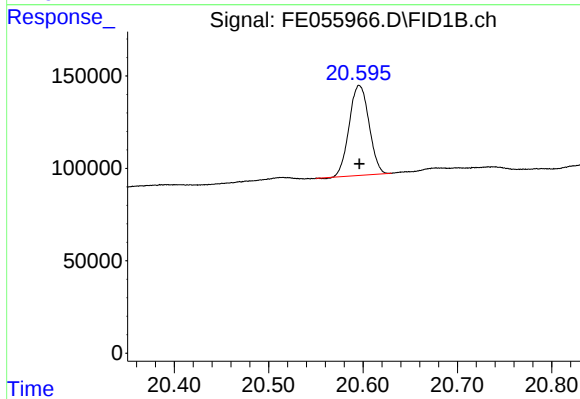
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 910224
Conc: 6.10 ug/ml



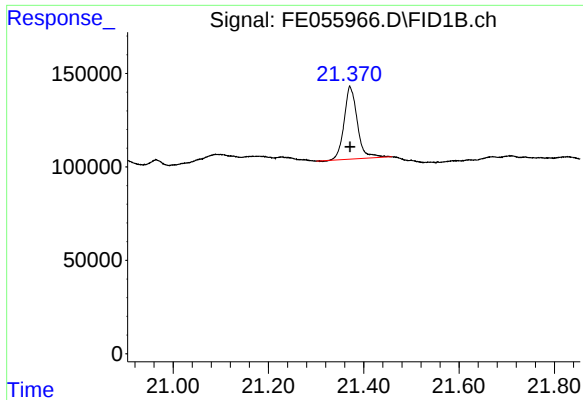
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 831525
Conc: 5.88 ug/ml



#20 n-Hexatriacontane (C36)

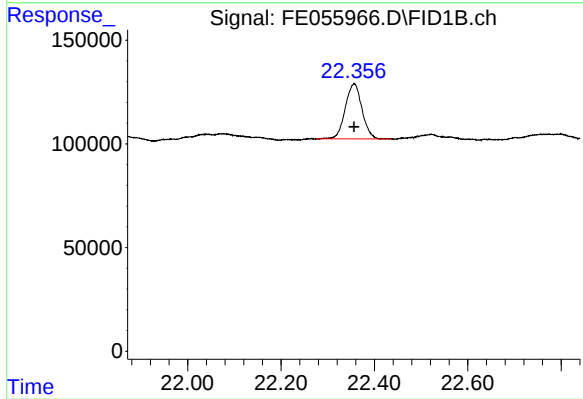
R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 709931
Conc: 5.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.372 min
Delta R.T.: 0.000 min
Response: 745994
Conc: 5.68 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.356 min
Delta R.T.: 0.000 min
Response: 657258
Conc: 5.52 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055966.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:08
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.408	3.367	3.459	BB	67953	693246	68.39%	3.909%
2	4.667	4.639	4.709	BB	70375	706292	69.67%	3.982%
3	6.388	6.349	6.450	BB	77149	790843	78.01%	4.459%
4	6.843	6.809	6.887	BB	72831	724977	71.52%	4.088%
5	7.489	7.445	7.559	BB	71709	768994	75.86%	4.336%
6	8.679	8.649	8.729	BB	72794	757520	74.73%	4.271%
7	10.294	10.264	10.344	BB	74847	823386	81.22%	4.643%
8	11.744	11.642	11.790	BB	78656	903131	89.09%	5.092%
9	12.070	12.029	12.119	BB	93200	1013713	100.00%	5.716%
10	13.059	13.019	13.110	BB	74727	895641	88.35%	5.050%
11	13.507	13.464	13.560	BB	62028	745262	73.52%	4.202%
12	13.673	13.637	13.727	BB	72909	885060	87.31%	4.990%
13	14.262	14.229	14.324	BB	71830	874093	86.23%	4.928%
14	15.369	15.294	15.417	BB	65352	839256	82.79%	4.732%
15	16.393	16.335	16.440	BB	60152	781387	77.08%	4.406%
16	17.345	17.289	17.395	BB	55612	788239	77.76%	4.444%
17	18.235	18.172	18.294	BB	63264	889830	87.78%	5.017%
18	19.070	19.012	19.119	BB	64493	910224	89.79%	5.132%
19	19.855	19.800	19.892	BB	58084	831525	82.03%	4.688%
20	20.596	20.550	20.630	BV	48579	709931	70.03%	4.003%
21	21.372	21.300	21.459	BB	38611	745994	73.59%	4.206%
22	22.356	22.275	22.437	BB	26685	657258	64.84%	3.706%
Sum of corrected areas:						17735802		

Aliphatic EPH 092425.M Wed Sep 24 15:38:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055967.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:39
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Sep 24 12:56:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.071	3668282	19.548 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
12) S 1-chlorooctadecane (S...	13.508	2728050	19.547 ug/ml
Spiked Amount 50.000		Recovery =	39.09%
Target Compounds			
1) T n-Nonane (C9)	3.411	2817872	20.570 ug/ml
2) T n-Decane (C10)	4.668	2859346	20.488 ug/ml
3) T A~Naphthalene (C11.7)	6.388	3249421	20.352 ug/ml
4) T n-Dodecane (C12)	6.843	2929821	20.413 ug/ml
5) T A~2-methylnaphthalene...	7.488	3143650	20.214 ug/ml
6) T n-Tetradecane (C14)	8.680	2980588	20.160 ug/ml
7) T n-Hexadecane (C16)	10.295	3166204	19.925 ug/ml
8) T n-Octadecane (C18)	11.745	3336057	19.695 ug/ml
10) T n-Eicosane (C20)	13.060	3245046	19.576 ug/ml
11) T n-Heneicosane (C21)	13.674	3169164	19.504 ug/ml
13) T n-Docosane (C22)	14.262	3099587	19.398 ug/ml
14) T n-Tetracosane (C24)	15.369	2928176	19.216 ug/ml
15) T n-Hexacosane (C26)	16.393	2744599	19.243 ug/ml
16) T n-Octacosane (C28)	17.346	2675215	19.204 ug/ml
17) T n-Tricontane (C30)	18.236	2835374	19.135 ug/ml
18) T n-Dotriacontane (C32)	19.070	2865562	19.206 ug/ml
19) T n-Tetratriacontane (C34)	19.855	2719117	19.223 ug/ml
20) T n-Hexatriacontane (C36)	20.597	2416072	18.821 ug/ml
21) T n-Octatriacontane (C38)	21.374	2366982	18.021 ug/ml
22) T n-Tetracontane (C40)	22.357	2042298	17.167 ug/ml

(f)=RT Delta > 1/2 Window

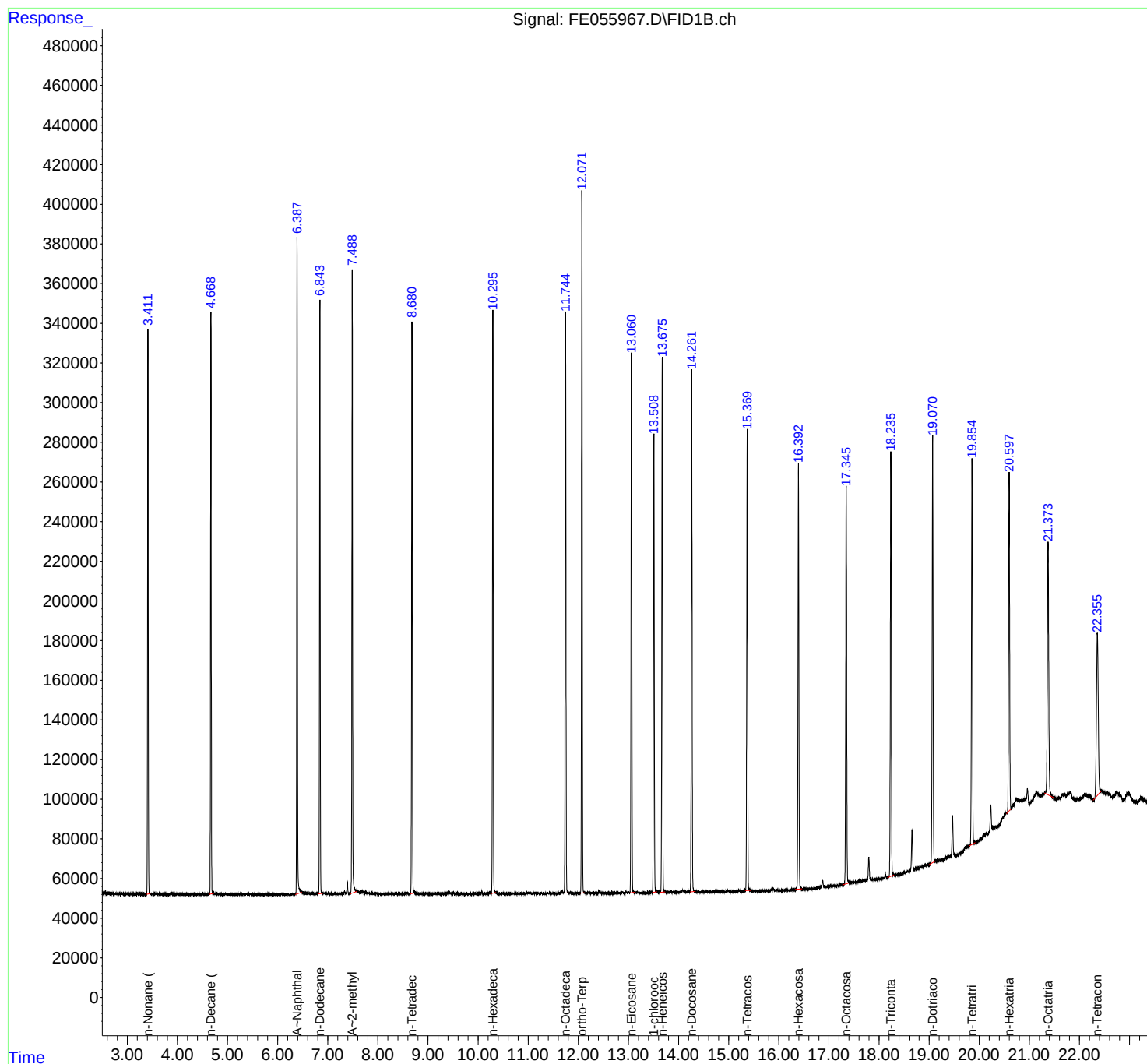
(m)=manual int.

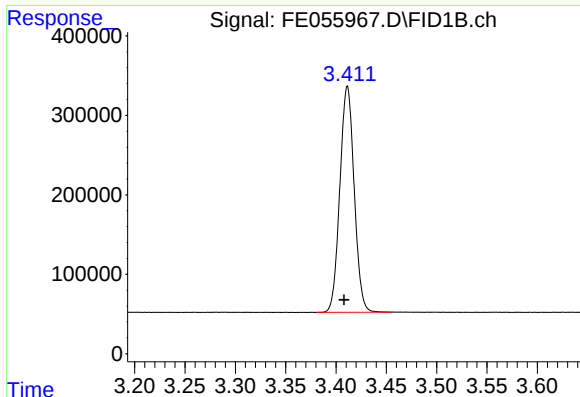
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055967.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 11:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 24 12:56:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

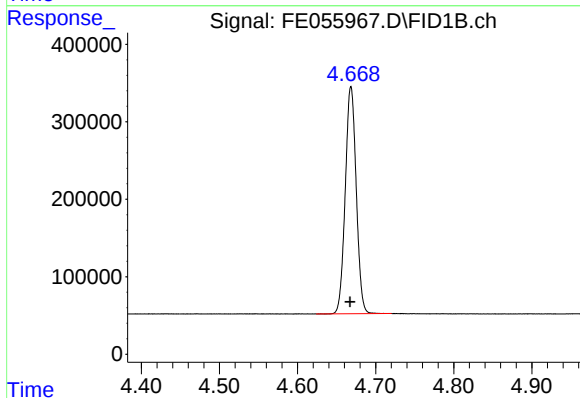
R.T.: 3.411 min
Delta R.T.: 0.003 min
Response: 2817872
Conc: 20.57 ug/ml

Instrument :

FID_E

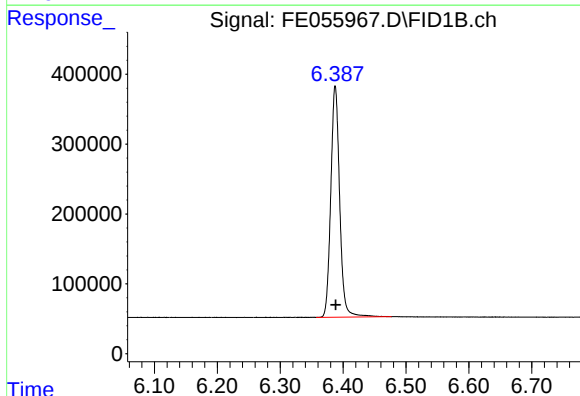
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



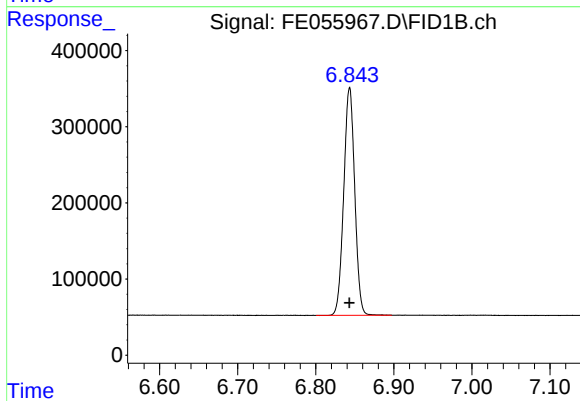
#2 n-Decane (C10)

R.T.: 4.668 min
Delta R.T.: 0.001 min
Response: 2859346
Conc: 20.49 ug/ml



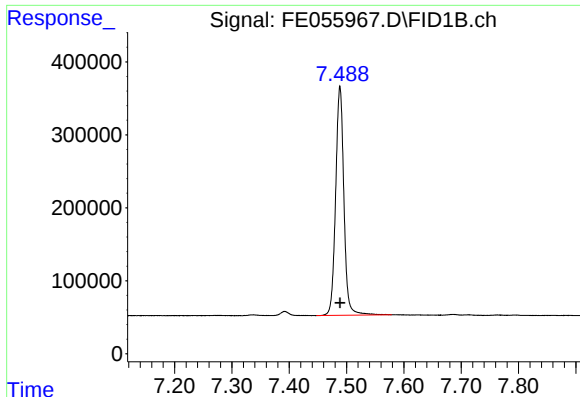
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 3249421
Conc: 20.35 ug/ml



#4 n-Dodecane (C12)

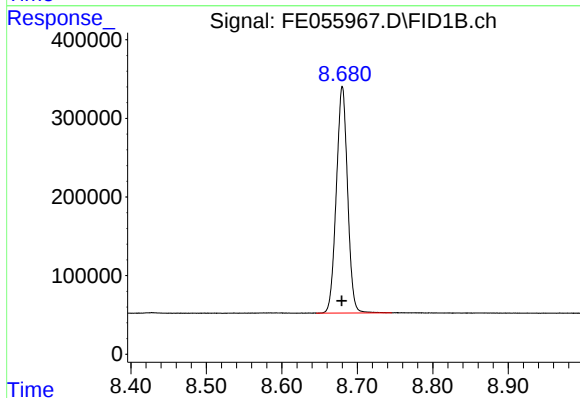
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 2929821
Conc: 20.41 ug/ml



#5 A~2-methylnaphthalene (C12.89)

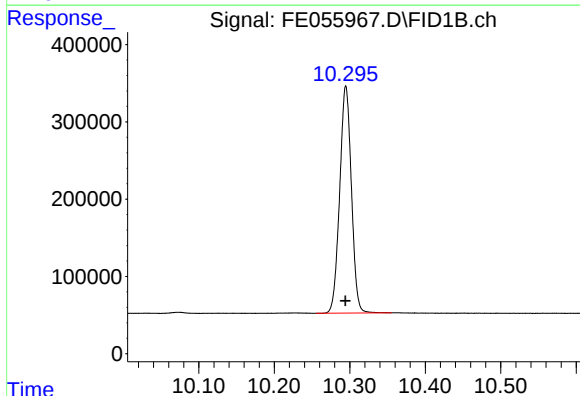
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 3143650
Conc: 20.21 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



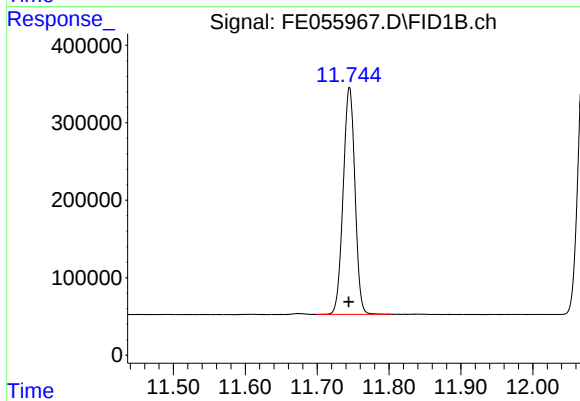
#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 2980588
Conc: 20.16 ug/ml



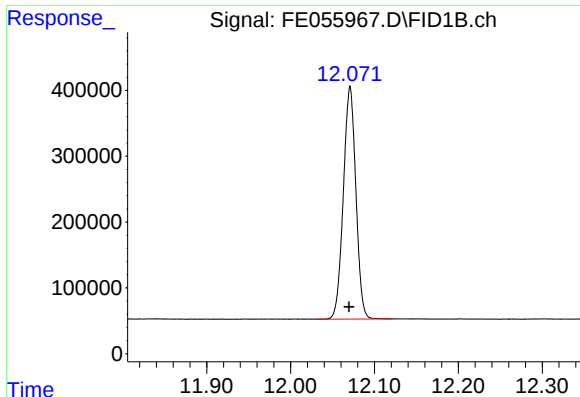
#7 n-Hexadecane (C16)

R.T.: 10.295 min
Delta R.T.: 0.000 min
Response: 3166204
Conc: 19.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 3336057
Conc: 19.70 ug/ml



#9 ortho-Terphenyl (SURR)

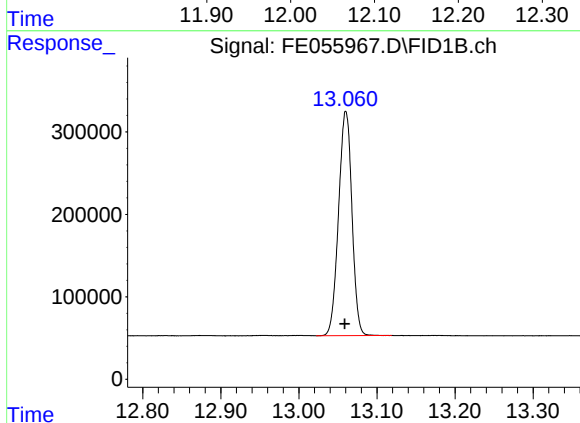
R.T.: 12.071 min
Delta R.T.: 0.001 min
Response: 3668282
Conc: 19.55 ug/ml

Instrument :

FID_E

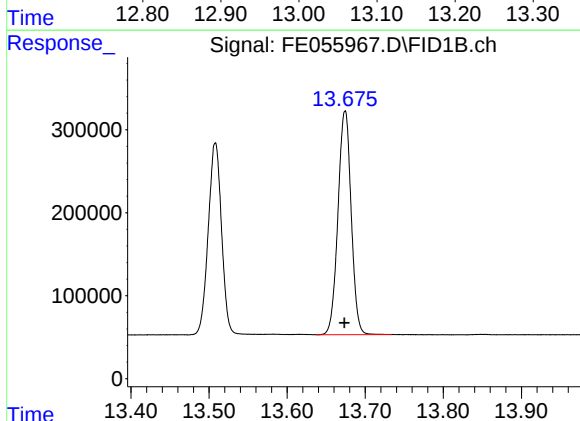
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



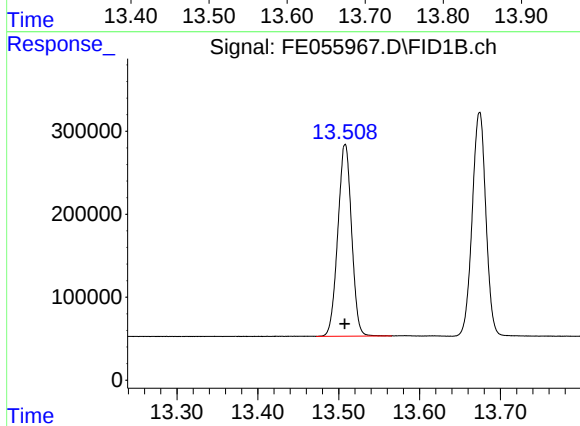
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: 0.001 min
Response: 3245046
Conc: 19.58 ug/ml



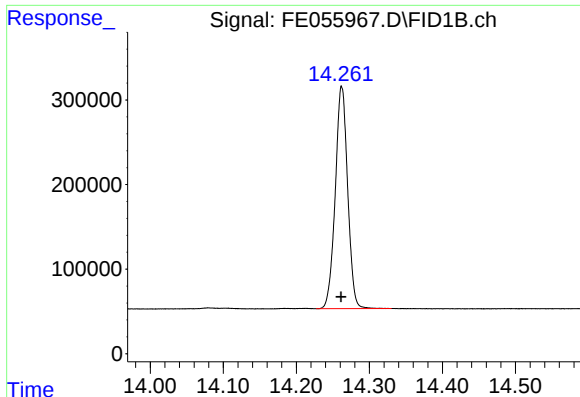
#11 n-Heneicosane (C21)

R.T.: 13.674 min
Delta R.T.: 0.000 min
Response: 3169164
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2728050
Conc: 19.55 ug/ml



#13 n-Docosane (C22)

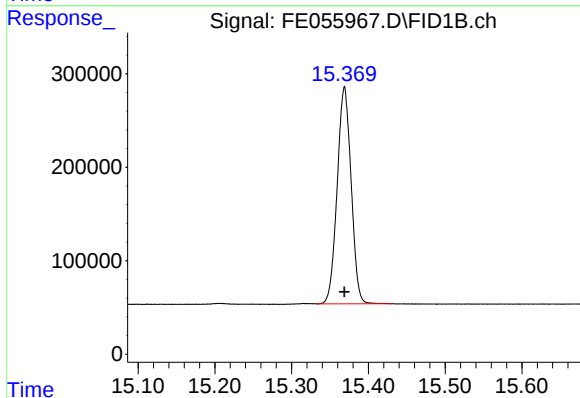
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 3099587
Conc: 19.40 ug/ml

Instrument :

FID_E

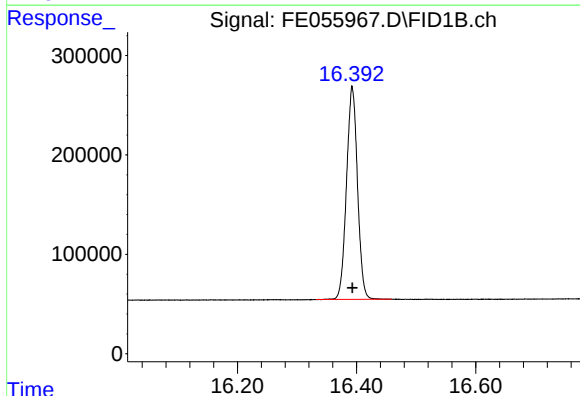
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



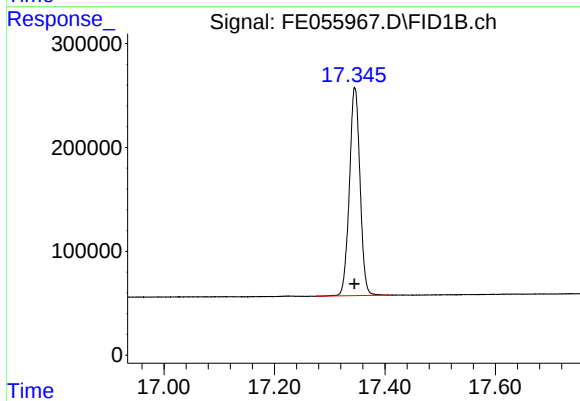
#14 n-Tetracosane (C24)

R.T.: 15.369 min
Delta R.T.: 0.000 min
Response: 2928176
Conc: 19.22 ug/ml



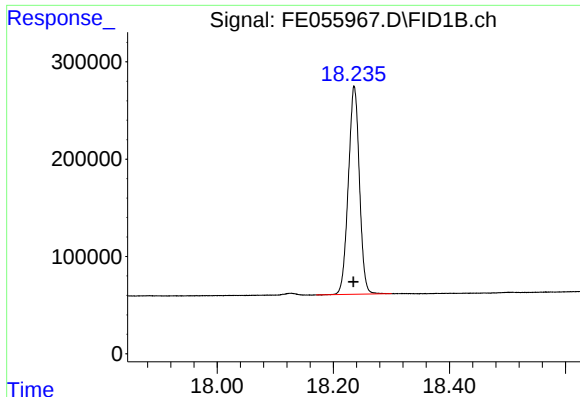
#15 n-Hexacosane (C26)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 2744599
Conc: 19.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: 0.000 min
Response: 2675215
Conc: 19.20 ug/ml



#17 n-Tricontane (C30)

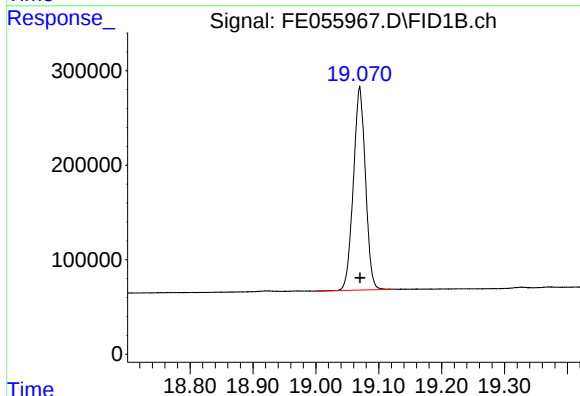
R.T.: 18.236 min
Delta R.T.: 0.002 min
Response: 2835374
Conc: 19.13 ug/ml

Instrument :

FID_E

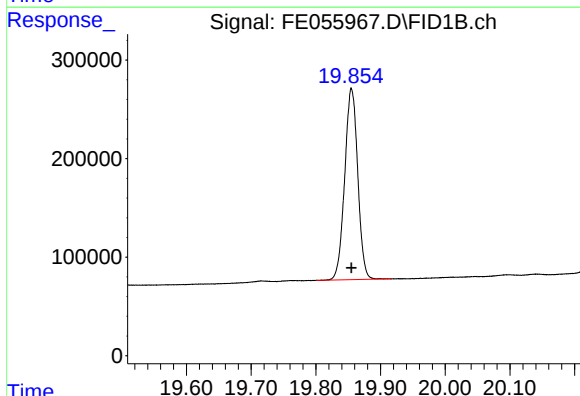
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



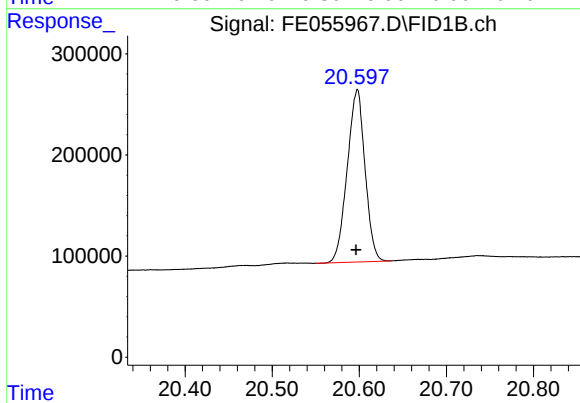
#18 n-Dotriacontane (C32)

R.T.: 19.070 min
Delta R.T.: 0.000 min
Response: 2865562
Conc: 19.21 ug/ml



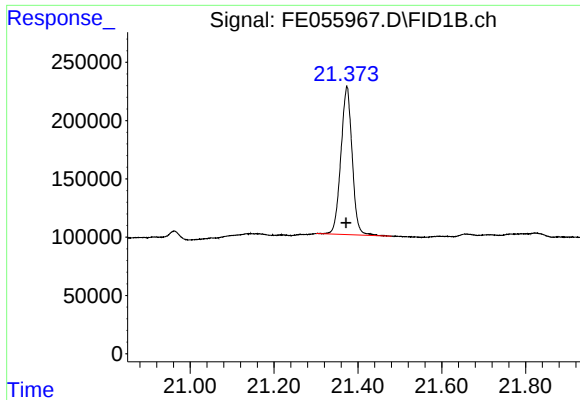
#19 n-Tetratriacontane (C34)

R.T.: 19.855 min
Delta R.T.: 0.000 min
Response: 2719117
Conc: 19.22 ug/ml



#20 n-Hexatriacontane (C36)

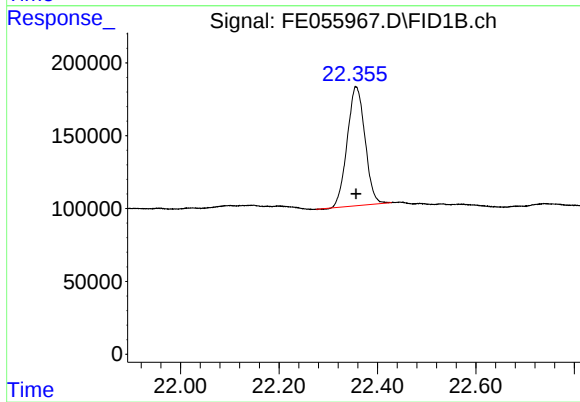
R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2416072
Conc: 18.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.374 min
Delta R.T.: 0.002 min
Response: 2366982
Conc: 18.02 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.357 min
Delta R.T.: 0.000 min
Response: 2042298
Conc: 17.17 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
 Data File : FE055967.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2025 11:39
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.380	3.455	BB	285220	2817872	76.82%	4.404%
2	4.668	4.624	4.720	BB	293455	2859346	77.95%	4.469%
3	6.388	6.357	6.477	BB	331697	3249421	88.58%	5.078%
4	6.843	6.800	6.897	BB	299925	2929821	79.87%	4.579%
5	7.488	7.447	7.579	BB	314271	3143650	85.70%	4.913%
6	8.680	8.645	8.745	BB	288401	2980588	81.25%	4.658%
7	10.295	10.255	10.355	BB	293683	3166204	86.31%	4.948%
8	11.745	11.699	11.804	BB	293541	3336057	90.94%	5.214%
9	12.071	12.030	12.120	BB	352970	3668282	100.00%	5.733%
10	13.060	13.022	13.119	BB	272237	3245046	88.46%	5.071%
11	13.508	13.472	13.565	BB	231703	2728050	74.37%	4.263%
12	13.674	13.637	13.734	BB	270029	3169164	86.39%	4.953%
13	14.262	14.227	14.330	BB	262720	3099587	84.50%	4.844%
14	15.369	15.332	15.430	BB	232304	2928176	79.82%	4.576%
15	16.393	16.332	16.459	BB	214476	2744599	74.82%	4.289%
16	17.346	17.275	17.412	BB	200293	2675215	72.93%	4.181%
17	18.236	18.170	18.300	BB	214339	2835374	77.29%	4.431%
18	19.070	19.000	19.120	BB	215278	2865562	78.12%	4.478%
19	19.855	19.800	19.917	BB	193722	2719117	74.13%	4.250%
20	20.597	20.550	20.637	BV	169926	2416072	65.86%	3.776%
21	21.374	21.300	21.480	BB	127571	2366982	64.53%	3.699%
22	22.357	22.275	22.429	BB	81304	2042298	55.67%	3.192%
Sum of corrected areas:						63986485		

Aliphatic EPH 092425.M Wed Sep 24 15:38:29 2025

Continuing Calibration Report for SequenceID : FD100225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049798.D

Aromatic C10-C12	4619689.000	40.000	4.389	6.131	115492.225	122789.439	5.943
Aromatic C12-C16	8072201.000	60.000	6.132	8.759	134536.683	143358.701	6.154
Aromatic C16-C21	10659760.000	80.000	8.760	13.049	133247.000	142171.561	6.277
Aromatic C21-C36	20256445.000	180.000	13.050	18.468	112535.806	123821.788	9.115
Aromatic EPH	43608095.000	360.000	4.389	18.468	121133.597	131040.962	7.561

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	02 Oct 2025 14:35
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049798.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.389	6.131	4619689.000	40.000	ug/ml
Aromatic C12-C16	6.132	8.759	8072201.000	60.000	ug/ml
Aromatic C16-C21	8.760	13.049	10659760.000	80.000	ug/ml
Aromatic C21-C36	13.050	18.468	20256445.000	180.000	ug/ml
Aromatic EPH	4.389	18.468	43608095.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049798.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 14:35
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Oct 02 17:52:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.695	2222630	18.707 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
6) S 2-Fluorobiphenyl (SURR)	8.560	1586180	18.683 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.37%
11) S ortho-Terphenyl (SURR)	11.605	2778012	18.609 ug/ml
Spiked Amount 50.000		Recovery =	37.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	2133901	18.777 ug/ml
2) T Naphthalene (C11.7)	6.031	2485788	18.841 ug/ml
3) T 2-Methylnaphthalene (...)	7.085	2604897	18.827 ug/ml
5) T Acenaphthylene (C15.06)	8.363	2739059	18.747 ug/ml
7) T Acenaphthene (C15.5)	8.659	2728245	18.737 ug/ml
8) T Flouorene (C16.55)	9.440	2733181	18.716 ug/ml
9) T Phenanthrene (C19.36)	10.838	2721101	18.615 ug/ml
10) T Anthracene (C19.43)	10.912	2604787	19.168 ug/ml
12) T Fluoranthene (C21.85)	12.652	2633722	18.487 ug/ml
13) T Pyrene (C20.8)	12.949	2600691	18.500 ug/ml
14) T Benzo[a]anthracene (C...	14.820	2306492	18.339 ug/ml
15) T Chrysene (C27.41)	14.863	2350643	18.297 ug/ml
16) T benzo[b]fluoranthene ...	16.371	2270908	18.230 ug/ml
17) T Bnezo[k]fluoranthene ...	16.403	2154494	18.342 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.749	2226245	18.344 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.112	2010843	17.884 ug/ml
20) T Dibenz[a,h]anthracene...	18.154	2116515	17.312 ug/ml
21) T Benzo[g,h,i]perylene ...	18.368	2186583	18.282 ug/ml

(f)=RT Delta > 1/2 Window

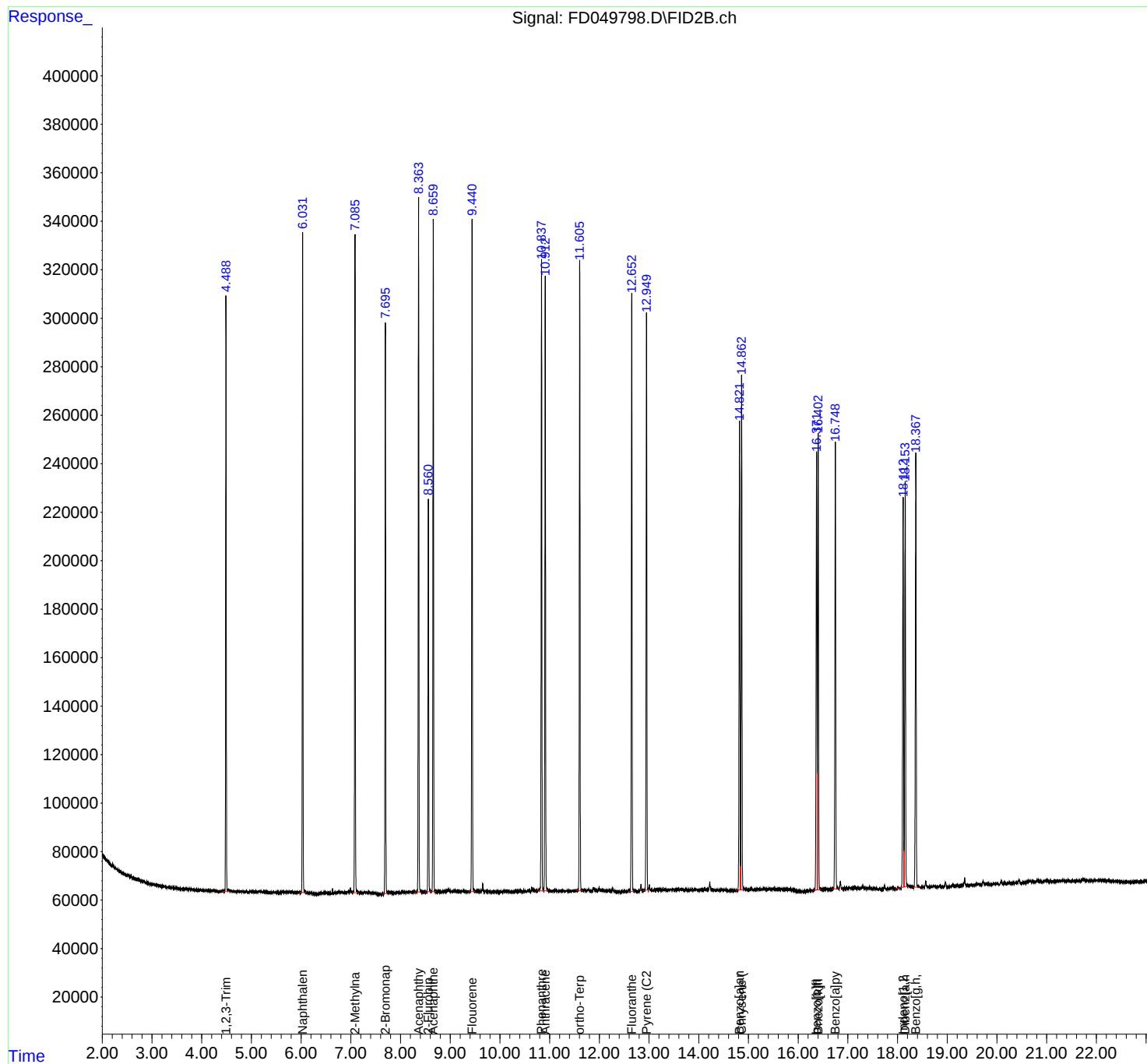
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049798.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 14:35
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 02 17:52:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049798.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 14:35
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.489	4.421	4.561	BB	244391	2133901	76.81%	4.251%
2	6.031	5.971	6.104	BB	272332	2485788	89.48%	4.952%
3	7.085	7.024	7.164	BB	270798	2604897	93.77%	5.190%
4	7.695	7.638	7.738	BB	234321	2222630	80.01%	4.428%
5	8.363	8.291	8.421	BB	287010	2739059	98.60%	5.457%
6	8.560	8.501	8.621	BB	161425	1586180	57.10%	3.160%
7	8.659	8.621	8.718	BB	275044	2728245	98.21%	5.435%
8	9.440	9.374	9.508	BB	277289	2733181	98.39%	5.445%
9	10.838	10.738	10.880	BV	260945	2721101	97.95%	5.421%
10	10.912	10.880	10.974	VB	250973	2604787	93.76%	5.189%
11	11.605	11.534	11.668	BB	260223	2778012	100.00%	5.534%
12	12.652	12.613	12.704	PB	245356	2633722	94.81%	5.247%
13	12.949	12.888	12.988	BV	236230	2600691	93.62%	5.181%
14	14.820	14.744	14.841	BV	194591	2306492	83.03%	4.595%
15	14.863	14.841	14.924	VB	210795	2350643	84.62%	4.683%
16	16.371	16.304	16.386	BV	181529	2270908	81.75%	4.524%
17	16.403	16.386	16.468	VB	187955	2154494	77.56%	4.292%
18	16.749	16.684	16.818	BB	183829	2226245	80.14%	4.435%
19	18.112	17.958	18.131	BV	159294	2010843	72.38%	4.006%
20	18.154	18.131	18.218	VB	167910	2116515	76.19%	4.217%
21	18.368	18.301	18.448	BB	179154	2186583	78.71%	4.356%
Sum of corrected areas:							50194917	

Aromatic EPH 100225.M Thu Oct 02 18:00:51 2025

Continuing Calibration Report for SequenceID : FD100225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049811.D

Aromatic C10-C12	4706995.000	40.000	4.389	6.131	117674.875	122789.439	4.165
Aromatic C12-C16	8303318.000	60.000	6.132	8.759	138388.633	143358.701	3.467
Aromatic C16-C21	10980590.000	80.000	8.760	13.049	137257.375	142171.561	3.457
Aromatic C21-C36	20756349.000	180.000	13.050	18.468	115313.050	123821.788	6.872
Aromatic EPH	44747252.000	360.000	4.389	18.468	124297.922	131040.962	5.146

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	03 Oct 2025 01:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049811.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.389	6.131	4706995.000	40.000	ug/ml
Aromatic C12-C16	6.132	8.759	8303318.000	60.000	ug/ml
Aromatic C16-C21	8.760	13.049	10980590.000	80.000	ug/ml
Aromatic C21-C36	13.050	18.468	20756349.000	180.000	ug/ml
Aromatic EPH	4.389	18.468	44747252.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049811.D
 Signal(s) : FID2B.ch
 Acq On : 03 Oct 2025 01:09
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Oct 03 06:20:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.697	2300763	19.364 ug/ml
Spiked Amount 50.000		Recovery =	38.73%
6) S 2-Fluorobiphenyl (SURR)	8.560	1646931	19.398 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.80%
11) S ortho-Terphenyl (SURR)	11.607	2868054	19.212 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	2171617	19.109 ug/ml
2) T Naphthalene (C11.7)	6.032	2535378	19.217 ug/ml
3) T 2-Methylnaphthalene (...)	7.086	2666646	19.273 ug/ml
5) T Acenaphthylene (C15.06)	8.364	2817528	19.285 ug/ml
7) T Acenaphthene (C15.5)	8.660	2819144	19.361 ug/ml
8) T Flouorene (C16.55)	9.441	2817702	19.294 ug/ml
9) T Phenanthrene (C19.36)	10.839	2812753	19.242 ug/ml
10) T Anthracene (C19.43)	10.914	2673444	19.673 ug/ml
12) T Fluoranthene (C21.85)	12.653	2703600	18.977 ug/ml
13) T Pyrene (C20.8)	12.950	2676691	19.041 ug/ml
14) T Benzo[a]anthracene (C...	14.821	2357331	18.744 ug/ml
15) T Chrysene (C27.41)	14.863	2406366	18.731 ug/ml
16) T benzo[b]fluoranthene ...	16.371	2319610	18.621 ug/ml
17) T Bnezo[k]fluoranthene ...	16.404	2191027	18.653 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.749	2258919	18.614 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.114	2081402	18.511 ug/ml
20) T Dibenz[a,h]anthracene...	18.154	2203163	18.021 ug/ml
21) T Benzo[g,h,i]perylene ...	18.369	2234931	18.686 ug/ml

(f)=RT Delta > 1/2 Window

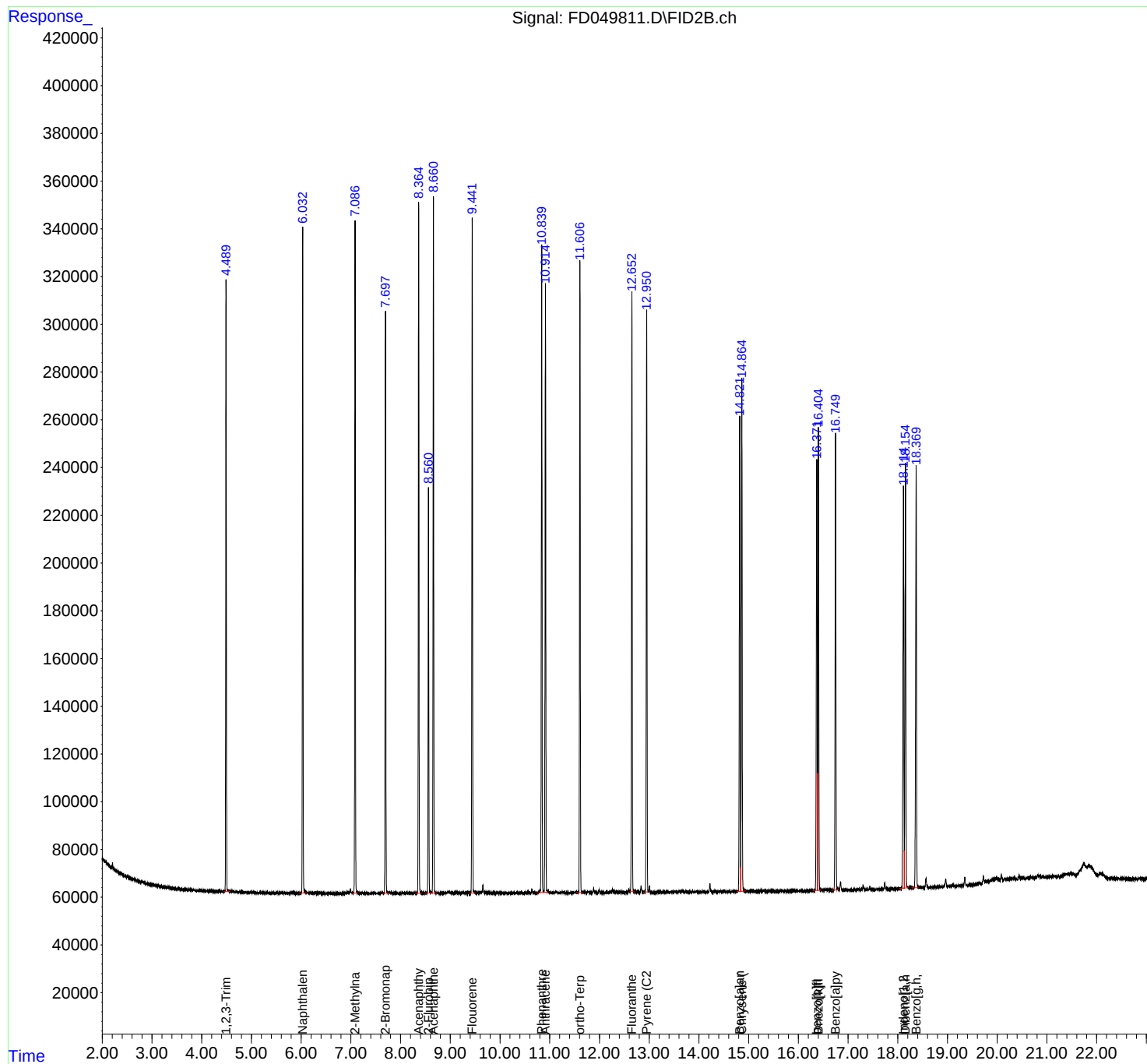
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049811.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 01:09
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 03 06:20:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049811.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 01:09
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.489	4.438	4.565	BB	253378	2171617	75.72%	4.212%
2	6.032	5.965	6.108	BB	278335	2535378	88.40%	4.917%
3	7.086	7.025	7.148	BB	278415	2666646	92.98%	5.172%
4	7.697	7.628	7.761	BB	244081	2300763	80.22%	4.462%
5	8.364	8.295	8.431	BB	290311	2817528	98.24%	5.464%
6	8.560	8.498	8.625	BB	169552	1646931	57.42%	3.194%
7	8.660	8.625	8.728	BB	291979	2819144	98.29%	5.467%
8	9.441	9.378	9.498	BB	283286	2817702	98.24%	5.465%
9	10.839	10.741	10.879	BV	269187	2812753	98.07%	5.455%
10	10.914	10.879	10.978	VB	254954	2673444	93.21%	5.185%
11	11.607	11.535	11.661	BB	265756	2868054	100.00%	5.562%
12	12.653	12.618	12.721	BB	249801	2703600	94.27%	5.243%
13	12.950	12.888	12.984	BV	245472	2676691	93.33%	5.191%
14	14.821	14.758	14.841	BV	199803	2357331	82.19%	4.572%
15	14.863	14.841	14.938	VB	216674	2406366	83.90%	4.667%
16	16.371	16.295	16.387	BV	180140	2319610	80.88%	4.499%
17	16.404	16.387	16.468	VB	193572	2191027	76.39%	4.249%
18	16.749	16.668	16.818	BB	189016	2258919	78.76%	4.381%
19	18.114	18.038	18.132	BV	168730	2081402	72.57%	4.037%
20	18.154	18.132	18.215	VB	177594	2203163	76.82%	4.273%
21	18.369	18.278	18.411	BB	176093	2234931	77.92%	4.334%
Sum of corrected areas:							51563000	

Aromatic EPH 100225.M Fri Oct 03 06:50:18 2025

Continuing Calibration Report for SequenceID : FE100225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056147.D

Aliphatic C9-C12	7965010.000	60.000	3.311	6.945	132750.167	140027.957	5.197
Aliphatic C12-C16	6502829.000	40.000	6.946	10.395	162570.725	153376.491	-5.995
Aliphatic C16-C21	10562347.000	60.000	10.396	13.772	176039.117	165879.737	-6.125
Aliphatic C21-C28	12151939.000	80.000	13.773	17.442	151899.238	148527.151	-2.270
Aliphatic C28-C40	16261900.000	120.000	17.443	22.448	135515.833	136251.923	0.540
Aliphatic EPH	53444025.000	360.000	3.311	22.448	148455.625	146449.789	-1.370

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Oct 2025 12:13
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056147.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.945	7965010.000	60.000	ug/ml
Aliphatic C12-C16	6.946	10.395	6502829.000	40.000	ug/ml
Aliphatic C16-C21	10.396	13.772	10562347.000	60.000	ug/ml
Aliphatic C21-C28	13.773	17.442	12151939.000	80.000	ug/ml
Aliphatic C28-C40	17.443	22.448	16261900.000	120.000	ug/ml
Aliphatic EPH	3.311	22.448	53444025.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056147.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 12:13
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Oct 03 00:55:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.069	3955729	21.080 ug/ml
Spiked Amount 50.000		Recovery =	42.16%
12) S 1-chlorooctadecane (S...	13.505	2953939	21.165 ug/ml
Spiked Amount 50.000		Recovery =	42.33%
Target Compounds			
1) T n-Nonane (C9)	3.412	2495039	18.213 ug/ml
2) T n-Decane (C10)	4.670	2621322	18.782 ug/ml
3) T A~Naphthalene (C11.7)	6.389	3222261	20.182 ug/ml
4) T n-Dodecane (C12)	6.844	2848649	19.847 ug/ml
5) T A~2-methylnaphthalene...	7.489	3227056	20.750 ug/ml
6) T n-Tetradecane (C14)	8.679	3080547	20.836 ug/ml
7) T n-Hexadecane (C16)	10.294	3422282	21.536 ug/ml
8) T n-Octadecane (C18)	11.743	3644070	21.514 ug/ml
10) T n-Eicosane (C20)	13.057	3522523	21.250 ug/ml
11) T n-Heneicosane (C21)	13.671	3395754	20.898 ug/ml
13) T n-Docosane (C22)	14.259	3316593	20.756 ug/ml
14) T n-Tetracosane (C24)	15.364	3122446	20.491 ug/ml
15) T n-Hexacosane (C26)	16.388	2905254	20.369 ug/ml
16) T n-Octacosane (C28)	17.340	2807646	20.155 ug/ml
17) T n-Tricontane (C30)	18.229	2910276	19.640 ug/ml
18) T n-Dotriacontane (C32)	19.063	2952280	19.788 ug/ml
19) T n-Tetratriacontane (C34)	19.848	2846255	20.122 ug/ml
20) T n-Hexatriacontane (C36)	20.588	2623175	20.434 ug/ml
21) T n-Octatriacontane (C38)	21.360	2582196	19.660 ug/ml
22) T n-Tetracontane (C40)	22.342	2347718	19.734 ug/ml

(f)=RT Delta > 1/2 Window

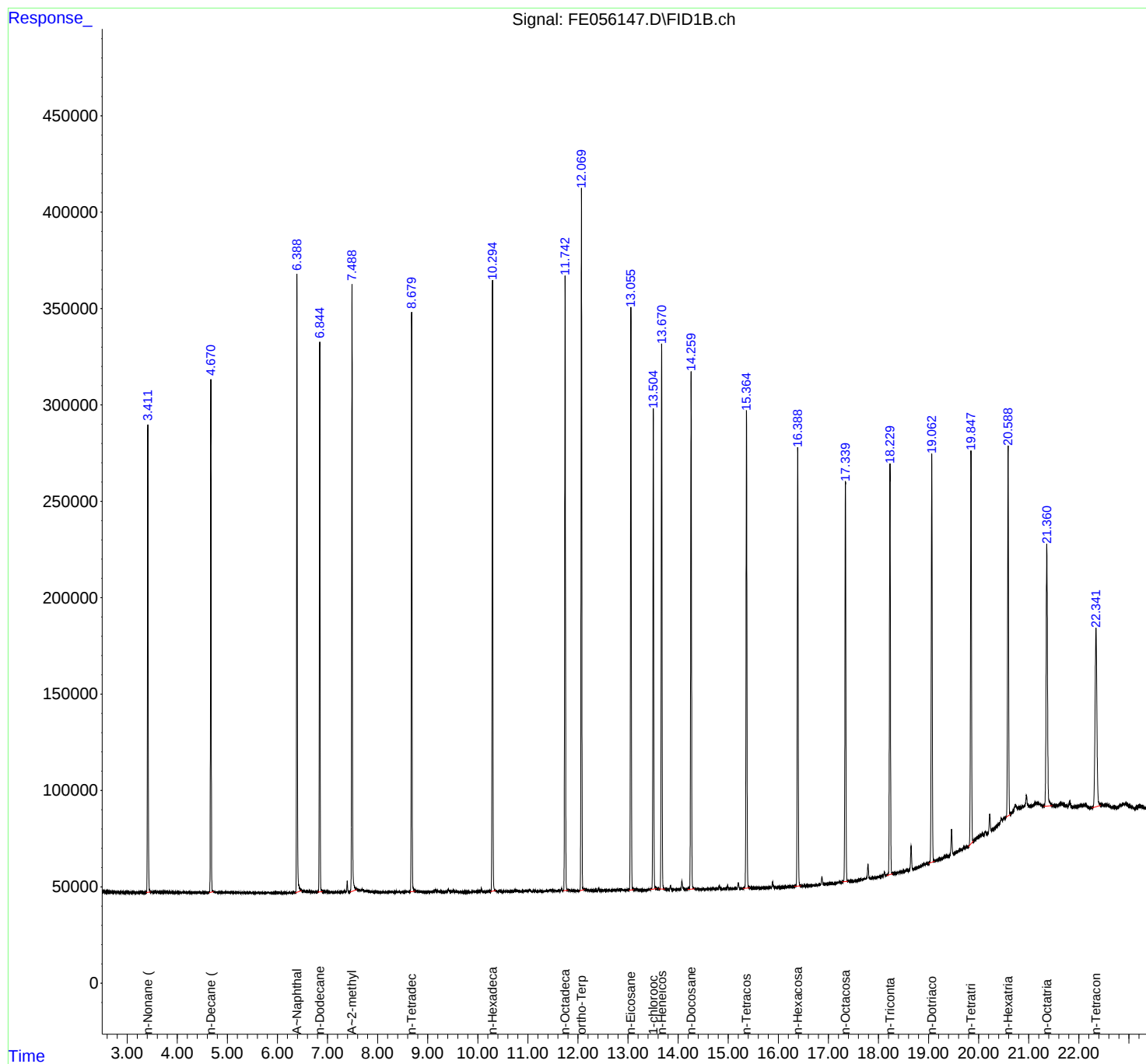
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056147.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 12:13
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 03 00:55:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056147.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 12:13
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.412	3.377	3.462	BB	242202	2495039	63.07%	3.735%
2	4.670	4.635	4.722	BB	266340	2621322	66.27%	3.924%
3	6.389	6.357	6.482	BB	319733	3222261	81.46%	4.824%
4	6.844	6.809	6.902	BB	285436	2848649	72.01%	4.264%
5	7.489	7.450	7.580	BB	315043	3227056	81.58%	4.831%
6	8.679	8.647	8.749	BB	300473	3080547	77.88%	4.611%
7	10.294	10.257	10.359	BB	316720	3422282	86.51%	5.123%
8	11.743	11.705	11.802	BB	320136	3644070	92.12%	5.455%
9	12.069	12.029	12.125	BB	361603	3955729	100.00%	5.921%
10	13.057	13.020	13.117	BB	300436	3522523	89.05%	5.273%
11	13.505	13.439	13.567	BB	246487	2953939	74.67%	4.422%
12	13.671	13.607	13.732	BB	283379	3395754	85.84%	5.083%
13	14.259	14.185	14.324	BB	267739	3316593	83.84%	4.965%
14	15.364	15.294	15.432	BB	248533	3122446	78.93%	4.674%
15	16.388	16.322	16.452	BB	227300	2905254	73.44%	4.349%
16	17.340	17.275	17.392	BB	207253	2807646	70.98%	4.203%
17	18.229	18.164	18.285	BB	211503	2910276	73.57%	4.357%
18	19.063	19.000	19.122	BB	210399	2952280	74.63%	4.419%
19	19.848	19.800	19.887	BB	204122	2846255	71.95%	4.261%
20	20.588	20.550	20.637	BV	191935	2623175	66.31%	3.927%
21	21.360	21.300	21.470	BB	135654	2582196	65.28%	3.865%
22	22.342	22.262	22.434	BB	92658	2347718	59.35%	3.514%
Sum of corrected areas:							66803009	

Aliphatic EPH 092425.M Fri Oct 03 02:19:44 2025

Continuing Calibration Report for SequenceID : FE100225AL

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

File ID : FE056160.D

Aliphatic C9-C12	8211859.000	60.000	3.311	6.945	136864.317	140027.957	2.259
Aliphatic C12-C16	6753799.000	40.000	6.946	10.395	168844.975	153376.491	-10.085
Aliphatic C16-C21	11048212.000	60.000	10.396	13.772	184136.867	165879.737	-11.006
Aliphatic C21-C28	12784235.000	80.000	13.773	17.442	159802.938	148527.151	-7.592
Aliphatic C28-C40	17078354.000	120.000	17.443	22.448	142319.617	136251.923	-4.453
Aliphatic EPH	55876459.000	360.000	3.311	22.448	155212.386	146449.789	-5.983

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Oct 2025 22:06
Client Sample ID:		Operator:	YPAJ
Data file:	FE056160.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.945	8211859.000	60.000	ug/ml
Aliphatic C12-C16	6.946	10.395	6753799.000	40.000	ug/ml
Aliphatic C16-C21	10.396	13.772	11048212.000	60.000	ug/ml
Aliphatic C21-C28	13.773	17.442	12784235.000	80.000	ug/ml
Aliphatic C28-C40	17.443	22.448	17078354.000	120.000	ug/ml
Aliphatic EPH	3.311	22.448	55876459.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056160.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 22:06
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Oct 03 01:02:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.067	4148061	22.105 ug/ml
Spiked Amount 50.000		Recovery =	44.21%
12) S 1-chlorooctadecane (S...	13.503	3082689	22.088 ug/ml
Spiked Amount 50.000		Recovery =	44.18%
Target Compounds			
1) T n-Nonane (C9)	3.411	2570072	18.761 ug/ml
2) T n-Decane (C10)	4.669	2698932	19.338 ug/ml
3) T A~Naphthalene (C11.7)	6.388	3347466	20.966 ug/ml
4) T n-Dodecane (C12)	6.843	2942855	20.504 ug/ml
5) T A~2-methylnaphthalene...	7.488	3344783	21.507 ug/ml
6) T n-Tetradecane (C14)	8.679	3195481	21.614 ug/ml
7) T n-Hexadecane (C16)	10.292	3558318	22.392 ug/ml
8) T n-Octadecane (C18)	11.741	3806059	22.470 ug/ml
10) T n-Eicosane (C20)	13.055	3685983	22.236 ug/ml
11) T n-Heneicosane (C21)	13.670	3556170	21.885 ug/ml
13) T n-Docosane (C22)	14.257	3479667	21.776 ug/ml
14) T n-Tetracosane (C24)	15.363	3279666	21.523 ug/ml
15) T n-Hexacosane (C26)	16.386	3058883	21.446 ug/ml
16) T n-Octacosane (C28)	17.338	2966019	21.291 ug/ml
17) T n-Tricontane (C30)	18.227	3078863	20.778 ug/ml
18) T n-Dotriacontane (C32)	19.061	3122425	20.928 ug/ml
19) T n-Tetratriacontane (C34)	19.846	3029825	21.420 ug/ml
20) T n-Hexatriacontane (C36)	20.587	2785351	21.698 ug/ml
21) T n-Octatriacontane (C38)	21.360	2627669	20.006 ug/ml
22) T n-Tetracontane (C40)	22.339	2434221	20.461 ug/ml

(f)=RT Delta > 1/2 Window

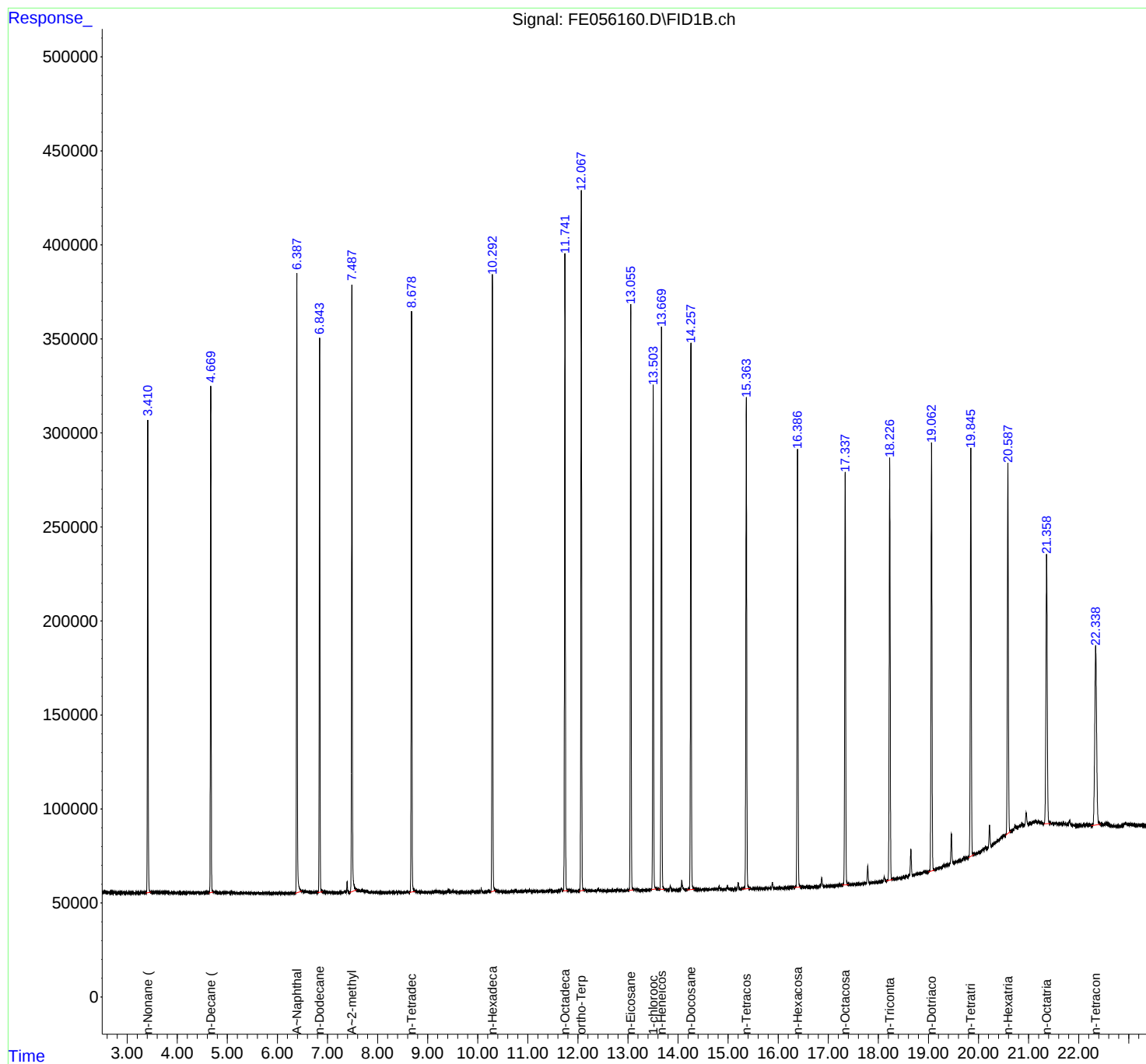
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056160.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 22:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 03 01:02:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056160.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 22:06
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.372	3.470	BB	251061	2570072	61.96%	3.682%
2	4.669	4.635	4.720	BB	268793	2698932	65.06%	3.867%
3	6.388	6.357	6.484	BB	328837	3347466	80.70%	4.796%
4	6.843	6.805	6.899	BB	294953	2942855	70.95%	4.216%
5	7.488	7.440	7.580	BB	322777	3344783	80.63%	4.792%
6	8.679	8.642	8.749	BB	308599	3195481	77.04%	4.578%
7	10.292	10.257	10.357	BB	327616	3558318	85.78%	5.098%
8	11.741	11.700	11.805	BB	338051	3806059	91.76%	5.453%
9	12.067	12.029	12.127	BB	372197	4148061	100.00%	5.943%
10	13.055	13.015	13.112	BB	311550	3685983	88.86%	5.281%
11	13.503	13.465	13.565	BB	268134	3082689	74.32%	4.416%
12	13.670	13.607	13.729	BB	298530	3556170	85.73%	5.095%
13	14.257	14.179	14.327	BB	290884	3479667	83.89%	4.985%
14	15.363	15.280	15.434	BB	260170	3279666	79.07%	4.699%
15	16.386	16.322	16.449	BB	232161	3058883	73.74%	4.382%
16	17.338	17.275	17.405	BB	219456	2966019	71.50%	4.249%
17	18.227	18.160	18.287	BB	224890	3078863	74.22%	4.411%
18	19.061	19.000	19.119	BB	228948	3122425	75.27%	4.473%
19	19.846	19.800	19.909	BB	216225	3029825	73.04%	4.341%
20	20.587	20.550	20.639	BB	197394	2785351	67.15%	3.991%
21	21.360	21.300	21.442	BB	142476	2627669	63.35%	3.765%
22	22.339	22.250	22.435	BB	95235	2434221	58.68%	3.487%
Sum of corrected areas:							69799456	

Aliphatic EPH 092425.M Fri Oct 03 02:24:14 2025



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BL	SDG No.:	Q3257
Lab Sample ID:	PB169950BL	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
10/02/25 09:05	10/02/25 16:33	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FE056150.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FE056150.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FE056150.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FE056150.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE056150.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049801.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049801.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049801.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049801.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg	
Total EPH	Total EPH	4.03	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:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BL	SDG No.:	Q3257
Lab Sample ID:	PB169950BL	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
FD049801.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.2		40 - 140	88%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.5		40 - 140	99%	SPK: 50



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BL	Acq On:	02 Oct 2025 17:28
Client Sample ID:	PB169950BL	Operator:	YP/AJ
Data file:	FD049801.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	0	0	200	ug/ml
Aromatic C12-C16	6.132	8.759	0	0	300	ug/ml
Aromatic C16-C21	8.760	13.049	0	0	500	ug/ml
Aromatic C21-C36	13.050	18.468	0	0	800	ug/ml
Aromatic EPH	4.389	18.468	0	0		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	7383441	49.46		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	5250030	44.19		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3808082	44.85		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049801.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 17:28
 Operator : YP/AJ
 Sample : PB169950BL
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169950BL

Integration File: autoint1.e
 Quant Time: Oct 03 06:17:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.697	5250030	44.187 ug/ml
Spiked Amount 50.000		Recovery =	88.37%
6) S 2-Fluorobiphenyl (SURR)	8.562	3808082	44.854 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	89.71%
11) S ortho-Terphenyl (SURR)	11.610	7383441	49.459 ug/ml
Spiked Amount 50.000		Recovery =	98.92%

Target Compounds

(f)=RT Delta > 1/2 Window

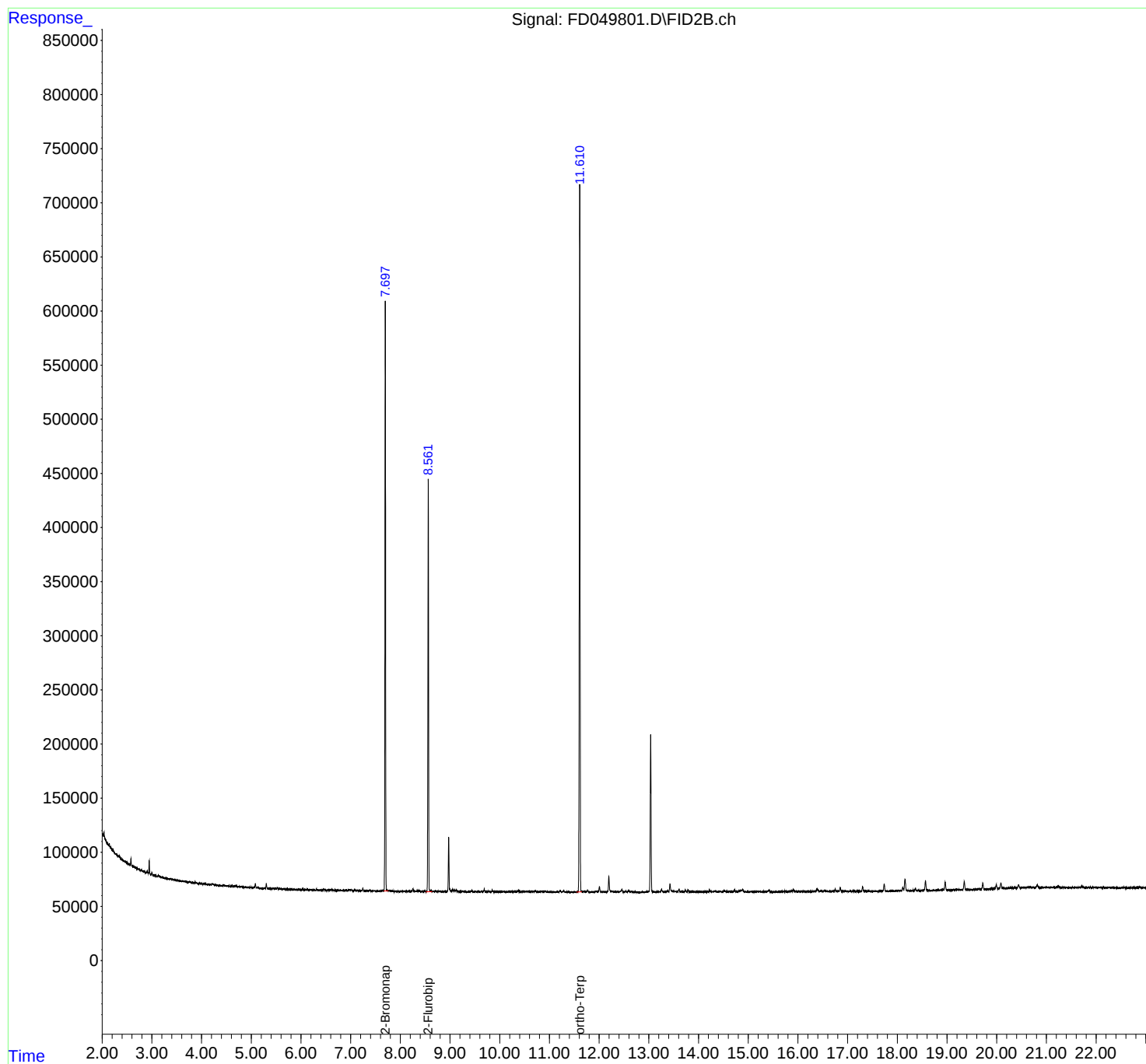
(m)=manual int.

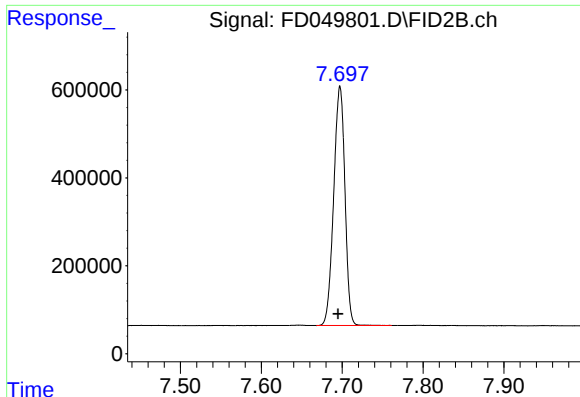
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049801.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 17:28
Operator : YP/AJ
Sample : PB169950BL
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169950BL

Integration File: autoint1.e
Quant Time: Oct 03 06:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

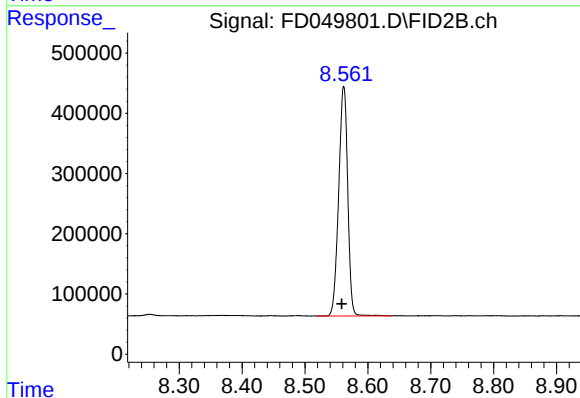




#4 2-Bromonaphthalene (SURRE)

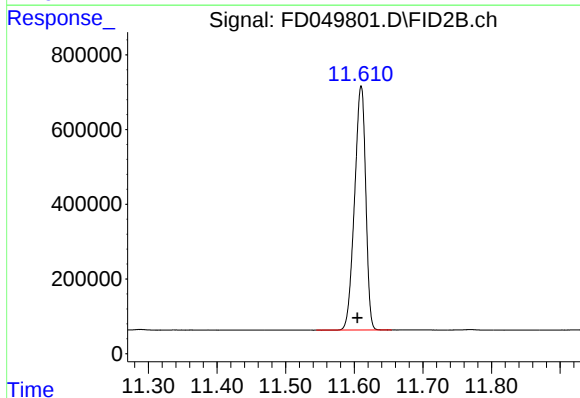
R.T.: 7.697 min
Delta R.T.: 0.002 min
Response: 5250030
Conc: 44.19 ug/ml

Instrument :
FID_D
ClientSampleId :
PB169950BL



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.562 min
Delta R.T.: 0.003 min
Response: 3808082
Conc: 44.85 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.610 min
Delta R.T.: 0.005 min
Response: 7383441
Conc: 49.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049801.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 17:28
Sample : PB169950BL
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.697	7.668	7.761	PB	545618	5250030	71.11%	31.931%
2	8.562	8.518	8.638	BB	382462	3808082	51.58%	23.161%
3	11.610	11.545	11.655	BB	660602	7383441	100.00%	44.907%
Sum of corrected areas:							16441553	

Aromatic EPH 100225.M Fri Oct 03 06:49:39 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BL	SDG No.:	Q3257
Lab Sample ID:	PB169950BL	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
FE056150.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169950BL	Acq On:	02 Oct 2025 16:33
Client Sample ID:	PB169950BL	Operator:	YP\AJ
Data file:	FE056150.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	3.311	6.945	0	0	300	ug/ml
Aliphatic C12-C16	6.946	10.395	0	0	200	ug/ml
Aliphatic C16-C21	10.396	13.772	0	0	300	ug/ml
Aliphatic C21-C28	13.773	17.442	0	0	400	ug/ml
Aliphatic C28-C40	17.443	22.448	0	0	600	ug/ml
Aliphatic EPH	3.311	22.448	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4709065	33.74		ug/ml
Aliphatic C9-C28	3.311	17.442	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056150.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 16:33
Operator : YP\AJ
Sample : PB169950BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169950BL

Integration File: autoint1.e
Quant Time: Oct 03 00:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.505	4709065	33.741 ug/ml
Spiked Amount 50.000		Recovery =	67.48%

Target Compounds

(f)=RT Delta > 1/2 Window

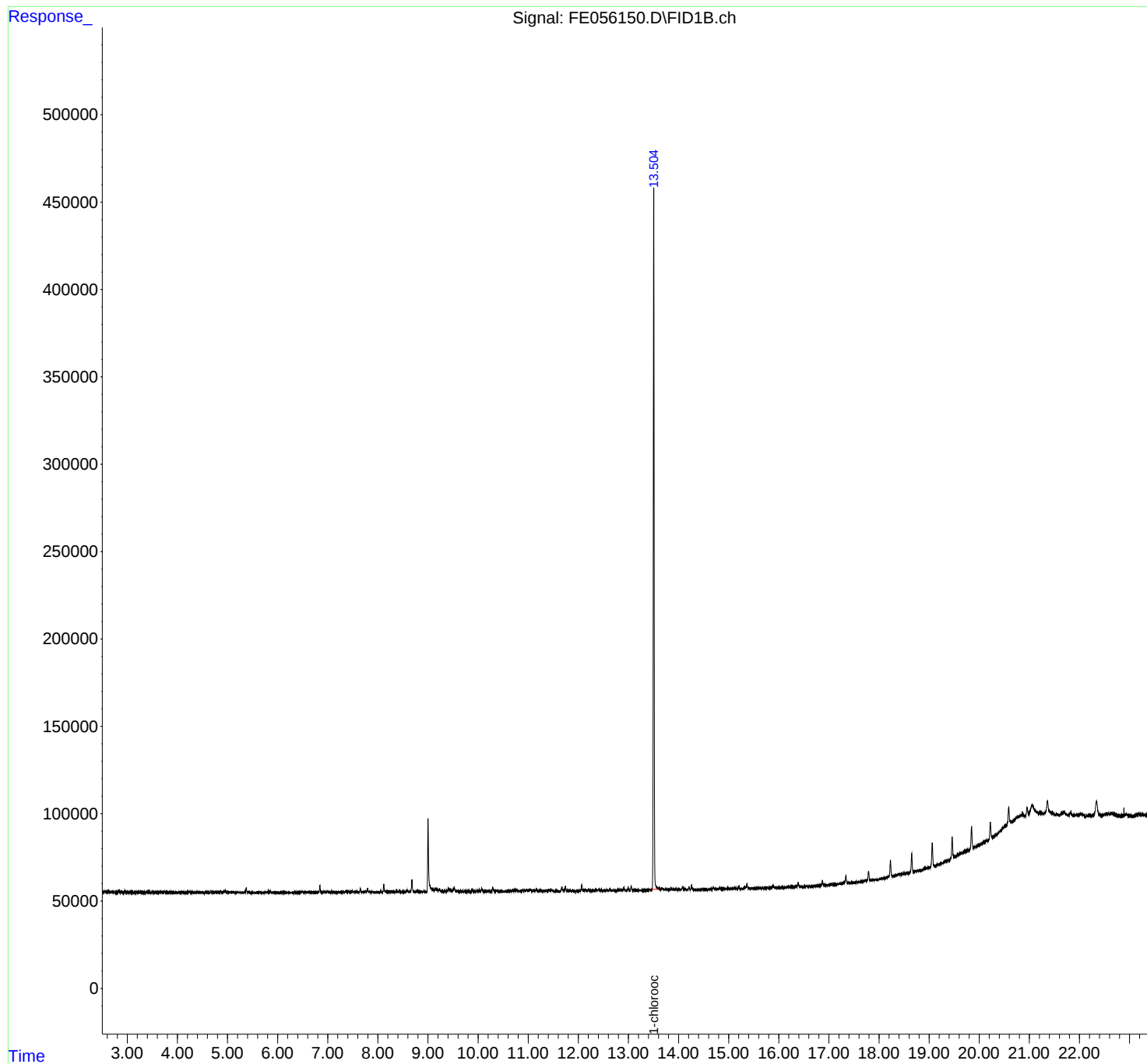
(m)=manual int.

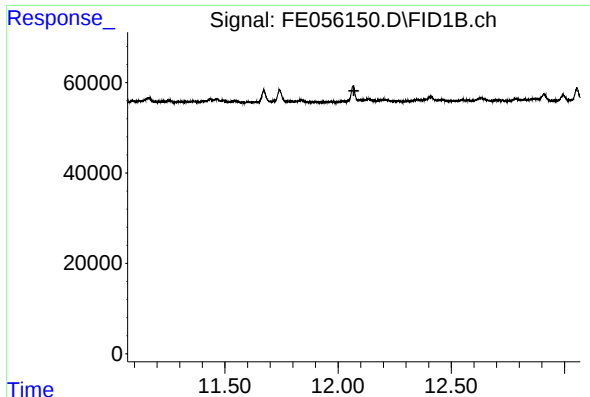
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056150.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 16:33
Operator : YP\AJ
Sample : PB169950BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169950BL

Integration File: autoint1.e
Quant Time: Oct 03 00:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

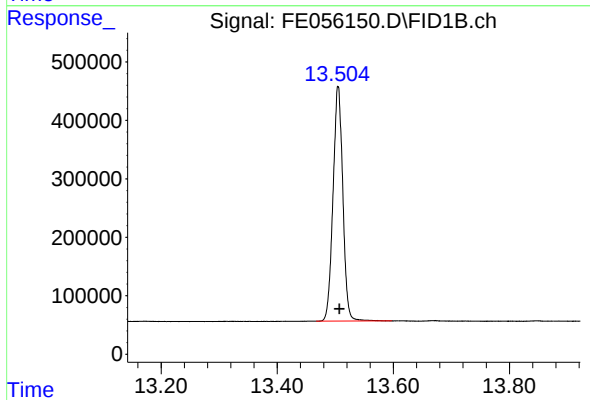




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.070 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
PB169950BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.505 min
Delta R.T.: -0.002 min
Response: 4709065
Conc: 33.74 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056150.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 16:33
Sample : PB169950L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.505	13.467	13.597	BB	401197	4709065	100.00%	100.000%
Sum of corrected areas:							4709065	

Aliphatic EPH 092425.M Fri Oct 03 02:21:09 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3257
Lab Sample ID:	PB169950BS	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
10/02/25 09:05	10/02/25 15:32	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.10		1	0.14	1.00	mg/kg FE056148.D
Aliphatic C12-C16	Aliphatic C12-C16	4.79		1	0.11	0.67	mg/kg FE056148.D
Aliphatic C16-C21	Aliphatic C16-C21	8.05		1	0.13	1.00	mg/kg FE056148.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.53	1.33	mg/kg FE056148.D
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.18	2.00	mg/kg FE056148.D
Aromatic C10-C12	Aromatic C10-C12	4.37		1	0.12	0.67	mg/kg FD049799.D
Aromatic C12-C16	Aromatic C12-C16	7.19		1	0.23	1.00	mg/kg FD049799.D
Aromatic C16-C21	Aromatic C16-C21	14.7		1	0.40	1.67	mg/kg FD049799.D
Aromatic C21-C36	Aromatic C21-C36	24.8		1	1.19	2.66	mg/kg FD049799.D
Total AliphaticEPH	Total AliphaticEPH	46.4			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	51.1			1.94	6.00	mg/kg
Total EPH	Total EPH	97.5			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:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3257
Lab Sample ID:	PB169950BS	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
FD049799.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.37		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.19		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.7		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.8		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.1		40 - 140	76%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.9		40 - 140	86%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BS	Acq On:	02 Oct 2025 16:01
Client Sample ID:	PB169950BS	Operator:	YP/AJ
Data file:	FD049799.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	8045935	65.526	200	ug/ml
Aromatic C12-C16	6.132	8.759	15474304	107.941	300	ug/ml
Aromatic C16-C21	8.760	13.049	31275271	219.983	500	ug/ml
Aromatic C21-C36	13.050	18.468	46046516	371.877	800	ug/ml
Aromatic EPH	4.389	18.468	100842026	765.327		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	6400876	42.88		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4532878	38.15		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3230599	38.05		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049799.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 16:01
 Operator : YP/AJ
 Sample : PB169950BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169950BS

Integration File: autoint1.e
 Quant Time: Oct 03 06:16:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.697	4532878	38.151 ug/ml
Spiked Amount 50.000		Recovery =	76.30%
6) S 2-Fluorobiphenyl (SURR)	8.562	3230599	38.052 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	76.10%
11) S ortho-Terphenyl (SURR)	11.609	6400876	42.877 ug/ml
Spiked Amount 50.000		Recovery =	85.75%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	3592776	31.615 ug/ml
2) T Naphthalene (C11.7)	6.031	4453159	33.752 ug/ml
3) T 2-Methylnaphthalene (...)	7.086	4484166	32.409 ug/ml
5) T Acenaphthylene (C15.06)	8.365	5457241	37.352 ug/ml
7) T Acenaphthene (C15.5)	8.662	5532897	37.998 ug/ml
8) T Flouorene (C16.55)	9.444	5965633	40.850 ug/ml
9) T Phenanthrene (C19.36)	10.843	6315834	43.206 ug/ml
10) T Anthracene (C19.43)	10.918	6009576	44.223 ug/ml
12) T Fluoranthene (C21.85)	12.658	6472807	45.434 ug/ml
13) T Pyrene (C20.8)	12.956	6511421	46.320 ug/ml
14) T Benzo[a]anthracene (C...	14.828	5999041	47.699 ug/ml
15) T Chrysene (C27.41)	14.872	6570561	51.144 ug/ml
16) T benzo[b]fluoranthene ...	16.379	5788391	46.468 ug/ml
17) T Bnezo[k]fluoranthene ...	16.415	5694759	48.480 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.759	5562863	45.838 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	5794620	51.536 ug/ml
20) T Dibenz[a,h]anthracene...	18.165	5479816	44.822 ug/ml
21) T Benzo[g,h,i]perylene ...	18.381	5156465	43.113 ug/ml

(f)=RT Delta > 1/2 Window

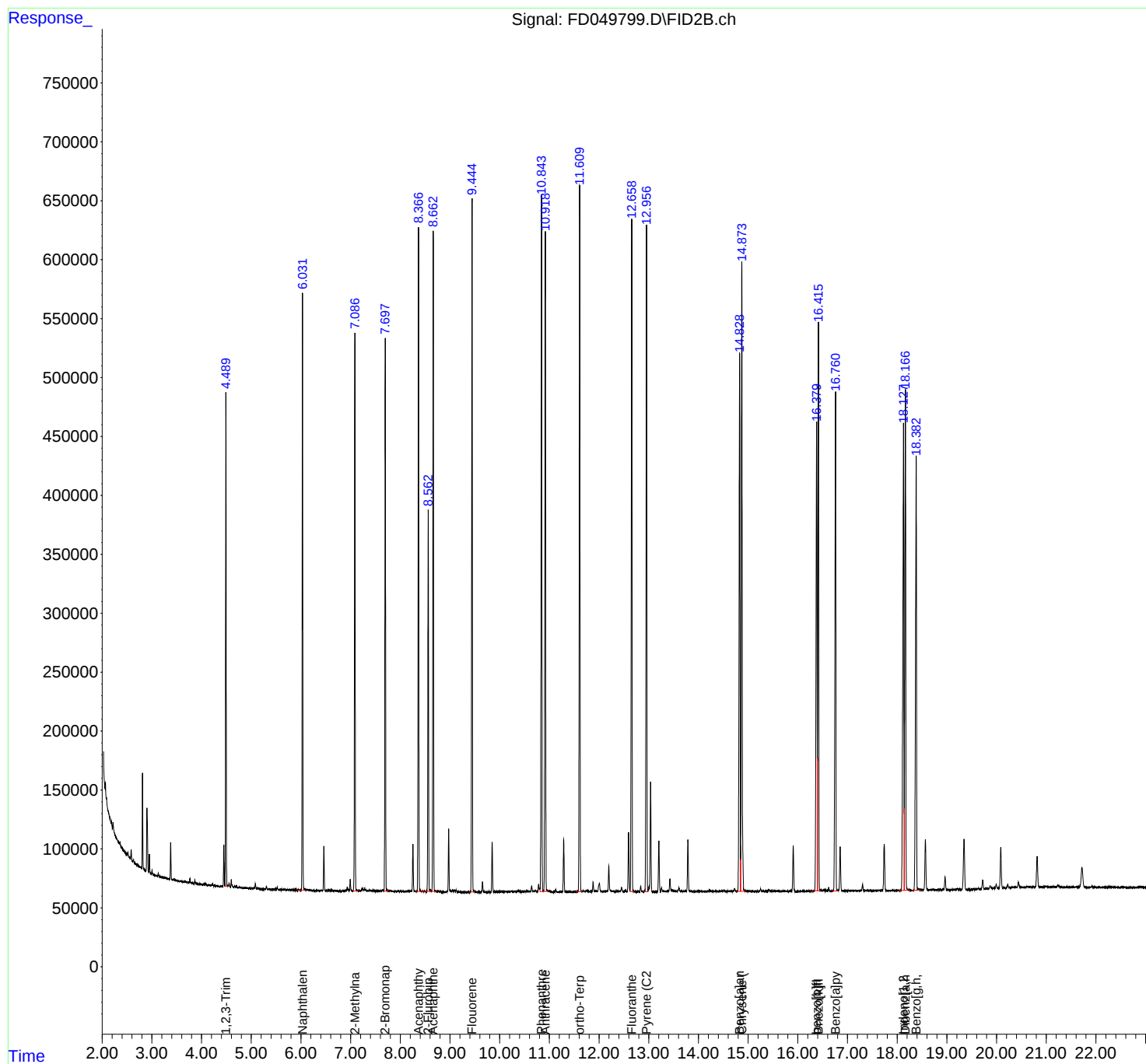
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049799.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 16:01
Operator : YP/AJ
Sample : PB169950BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169950BS

Integration File: autoint1.e
Quant Time: Oct 03 06:16:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049799.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 16:01
Sample : PB169950BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.489	4.467	4.536	VV	413543	3592776	54.68%	3.124%
2	6.031	5.901	6.098	BB	505167	4453159	67.77%	3.872%
3	7.086	7.048	7.158	PB	467135	4484166	68.25%	3.899%
4	7.697	7.665	7.761	PB	469217	4532878	68.99%	3.941%
5	8.365	8.314	8.461	BB	558267	5457241	83.06%	4.745%
6	8.562	8.464	8.631	BB	322888	3230599	49.17%	2.809%
7	8.662	8.631	8.724	BB	553135	5532897	84.21%	4.811%
8	9.444	9.391	9.501	BB	592787	5965633	90.79%	5.187%
9	10.843	10.811	10.884	VV	583985	6315834	96.12%	5.492%
10	10.918	10.884	10.974	VV	558187	6009576	91.46%	5.225%
11	11.609	11.541	11.664	BV	601621	6400876	97.42%	5.566%
12	12.658	12.621	12.704	VB	568381	6472807	98.51%	5.628%
13	12.956	12.884	12.984	BV	561283	6511421	99.10%	5.662%
14	14.828	14.771	14.847	BV	456510	5999041	91.30%	5.216%
15	14.872	14.847	14.958	VB	528052	6570561	100.00%	5.713%
16	16.379	16.294	16.395	BV	397653	5788391	88.10%	5.033%
17	16.415	16.395	16.451	VV	477991	5694759	86.67%	4.952%
18	16.759	16.678	16.798	BV	414897	5562863	84.66%	4.837%
19	18.126	18.034	18.142	BV	402377	5794620	88.19%	5.039%
20	18.165	18.142	18.238	VB	422759	5479816	83.40%	4.765%
21	18.381	18.291	18.458	BB	367342	5156465	78.48%	4.484%
Sum of corrected areas:						115006377		

Aromatic EPH 100225.M Fri Oct 03 06:47:45 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3257
Lab Sample ID:	PB169950BS	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
FE056148.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.10		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.79		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.05		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.4		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169950BS	Acq On:	02 Oct 2025 15:32
Client Sample ID:	PB169950BS	Operator:	YP\AJ
Data file:	FE056148.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	3.311	6.945	10717912	76.541	300	ug/ml
Aliphatic C12-C16	6.946	10.395	11032264	71.929	200	ug/ml
Aliphatic C16-C21	10.396	13.772	20040496	120.813	300	ug/ml
Aliphatic C21-C28	13.773	17.442	23701194	159.575	400	ug/ml
Aliphatic C28-C40	17.443	22.448	36542387	268.197	600	ug/ml
Aliphatic EPH	3.311	22.448	102034253	697.056		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	6062252	43.44		ug/ml
Aliphatic C9-C28	3.311	17.442	65491866	428.858	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056148.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 15:32
 Operator : YP\AJ
 Sample : PB169950BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169950BS

Integration File: autoint1.e
 Quant Time: Oct 03 00:56:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.507	6062252	43.437 ug/ml
Spiked Amount 50.000		Recovery =	86.87%
Target Compounds			
1) T n-Nonane (C9)	3.411	2766232	20.193 ug/ml
2) T n-Decane (C10)	4.670	3530703	25.298 ug/ml
4) T n-Dodecane (C12)	6.844	4420977	30.802 ug/ml
6) T n-Tetradecane (C14)	8.681	5169049	34.963 ug/ml
7) T n-Hexadecane (C16)	10.295	5863215	36.897 ug/ml
8) T n-Octadecane (C18)	11.744	6541875	38.622 ug/ml
10) T n-Eicosane (C20)	13.060	6903933	41.649 ug/ml
11) T n-Heneicosane (C21)	13.673	6594688	40.585 ug/ml
13) T n-Docosane (C22)	14.261	6450613	40.369 ug/ml
14) T n-Tetracosane (C24)	15.367	6100282	40.033 ug/ml
15) T n-Hexacosane (C26)	16.390	5659110	39.677 ug/ml
16) T n-Octacosane (C28)	17.342	5491189	39.418 ug/ml
17) T n-Tricontane (C30)	18.232	5630843	38.000 ug/ml
18) T n-Dotriacontane (C32)	19.066	5877368	39.393 ug/ml
19) T n-Tetratriacontane (C34)	19.850	6114492	43.227 ug/ml
20) T n-Hexatriacontane (C36)	20.592	6286454	48.971 ug/ml
21) T n-Octatriacontane (C38)	21.367	6489174	49.406 ug/ml
22) T n-Tetracontane (C40)	22.349	6144056	51.645 ug/ml

(f)=RT Delta > 1/2 Window

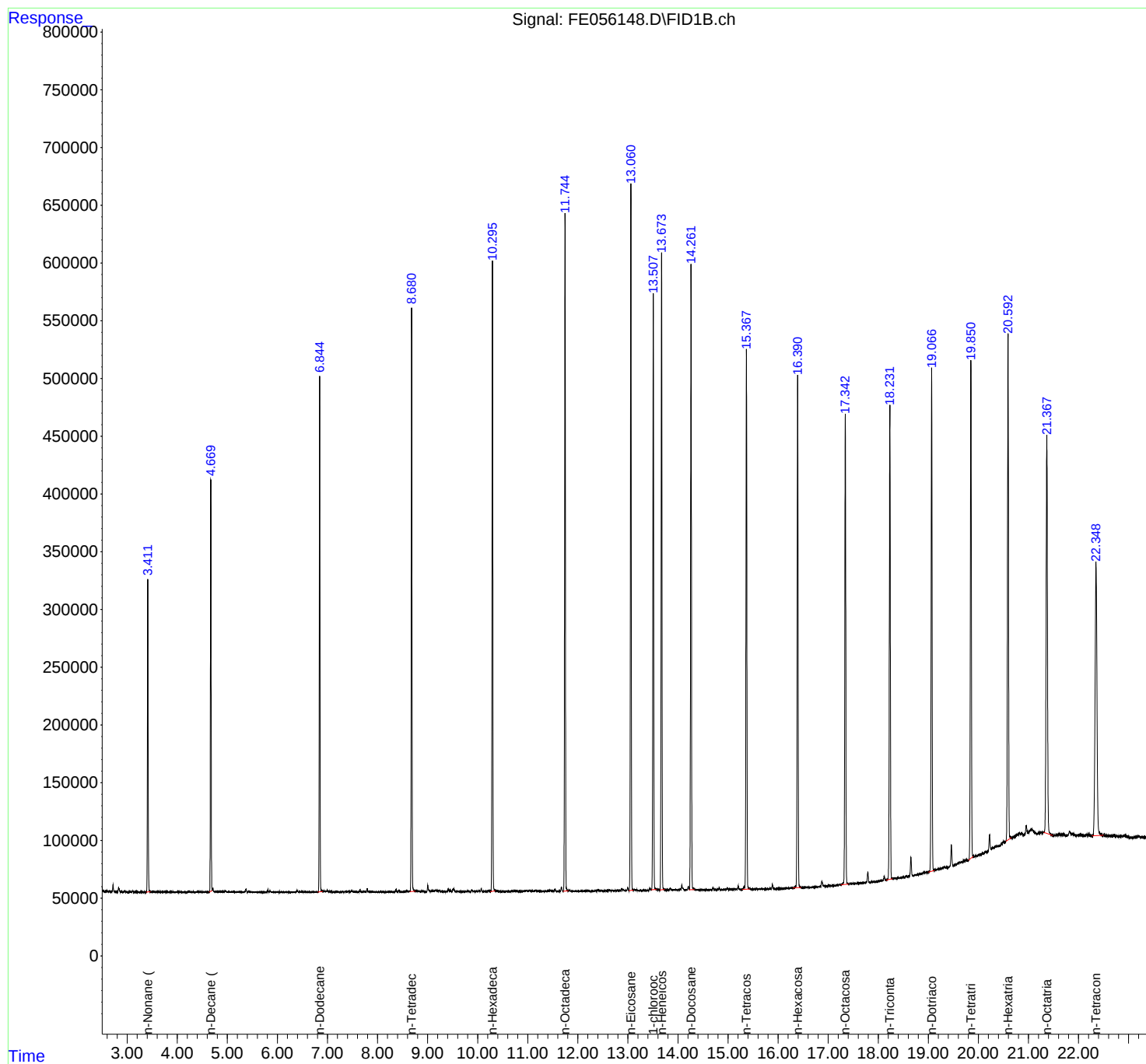
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056148.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 15:32
Operator : YP\AJ
Sample : PB169950BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169950BS

Integration File: autoint1.e
Quant Time: Oct 03 00:56:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056148.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 15:32
Sample : PB169950BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.379	3.467	BB	270631	2766232	40.07%	2.559%
2	4.670	4.637	4.699	BV	356837	3530703	51.14%	3.266%
3	6.844	6.807	6.907	BB	447056	4420977	64.04%	4.090%
4	8.681	8.647	8.757	BB	505222	5169049	74.87%	4.782%
5	10.295	10.252	10.350	BB	546253	5863215	84.93%	5.424%
6	11.744	11.709	11.814	BB	584739	6541875	94.76%	6.052%
7	13.060	13.020	13.110	PB	615365	6903933	100.00%	6.387%
8	13.507	13.465	13.574	BB	515913	6062252	87.81%	5.608%
9	13.673	13.634	13.730	BB	551104	6594688	95.52%	6.101%
10	14.261	14.225	14.332	VB	539093	6450613	93.43%	5.967%
11	15.367	15.280	15.439	BB	466831	6100282	88.36%	5.643%
12	16.390	16.295	16.457	BB	443432	5659110	81.97%	5.235%
13	17.342	17.250	17.407	BB	407143	5491189	79.54%	5.080%
14	18.232	18.159	18.289	BB	409161	5630843	81.56%	5.209%
15	19.066	19.000	19.125	BB	434681	5877368	85.13%	5.437%
16	19.850	19.800	19.895	BB	429931	6114492	88.57%	5.657%
17	20.592	20.550	20.654	BB	437958	6286454	91.06%	5.816%
18	21.367	21.300	21.485	BB	345496	6489174	93.99%	6.003%
19	22.349	22.262	22.499	BBA	236284	6144056	88.99%	5.684%
Sum of corrected areas:						108096503		

Aliphatic EPH 092425.M Fri Oct 03 02:20:14 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BSD	SDG No.:	Q3257
Lab Sample ID:	PB169950BSD	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
10/02/25 09:05	10/02/25 16:02	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	4.76		1	0.14	1.00	mg/kg FE056149.D
Aliphatic C12-C16	Aliphatic C12-C16	4.57		1	0.11	0.67	mg/kg FE056149.D
Aliphatic C16-C21	Aliphatic C16-C21	7.92		1	0.13	1.00	mg/kg FE056149.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.53	1.33	mg/kg FE056149.D
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	1.18	2.00	mg/kg FE056149.D
Aromatic C10-C12	Aromatic C10-C12	4.33		1	0.12	0.67	mg/kg FD049800.D
Aromatic C12-C16	Aromatic C12-C16	7.08		1	0.23	1.00	mg/kg FD049800.D
Aromatic C16-C21	Aromatic C16-C21	14.5		1	0.40	1.67	mg/kg FD049800.D
Aromatic C21-C36	Aromatic C21-C36	24.8		1	1.19	2.66	mg/kg FD049800.D
Total AliphaticEPH	Total AliphaticEPH	45.5			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	50.7			1.94	6.00	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:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BSD	SDG No.:	Q3257
Lab Sample ID:	PB169950BSD	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
FD049800.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.33		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.08		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.5		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.8		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.6		40 - 140	75%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BSD	Acq On:	02 Oct 2025 16:44
Client Sample ID:	PB169950BSD	Operator:	YP/AJ
Data file:	FD049800.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	7982250	65.008	200	ug/ml
Aromatic C12-C16	6.132	8.759	15238556	106.297	300	ug/ml
Aromatic C16-C21	8.760	13.049	30865139	217.098	500	ug/ml
Aromatic C21-C36	13.050	18.468	46055171	371.947	800	ug/ml
Aromatic EPH	4.389	18.468	100141116	760.349		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	6285760	42.11		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4468408	37.61		ug/ml
2-Fluorobiphenyl (SURR)	8.561	8.561	3191925	37.6		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049800.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 16:44
 Operator : YP/AJ
 Sample : PB169950BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169950BSD

Integration File: autoint1.e
 Quant Time: Oct 03 06:17:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.697	4468408	37.608 ug/ml
Spiked Amount 50.000		Recovery =	75.22%
6) S 2-Fluorobiphenyl (SURR)	8.561	3191925	37.596 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	75.19%
11) S ortho-Terphenyl (SURR)	11.609	6285760	42.106 ug/ml
Spiked Amount 50.000		Recovery =	84.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	3557849	31.307 ug/ml
2) T Naphthalene (C11.7)	6.032	4424401	33.534 ug/ml
3) T 2-Methylnaphthalene (...)	7.086	4426949	31.995 ug/ml
5) T Acenaphthylene (C15.06)	8.365	5366652	36.732 ug/ml
7) T Acenaphthene (C15.5)	8.662	5444955	37.394 ug/ml
8) T Flouorene (C16.55)	9.443	5870522	40.199 ug/ml
9) T Phenanthrene (C19.36)	10.842	6216907	42.529 ug/ml
10) T Anthracene (C19.43)	10.918	5925649	43.605 ug/ml
12) T Fluoranthene (C21.85)	12.658	6419205	45.058 ug/ml
13) T Pyrene (C20.8)	12.956	6432856	45.761 ug/ml
14) T Benzo[a]anthracene (C...	14.828	5982803	47.570 ug/ml
15) T Chrysene (C27.41)	14.872	6537851	50.890 ug/ml
16) T benzo[b]fluoranthene ...	16.379	5785243	46.443 ug/ml
17) T Bnezo[k]fluoranthene ...	16.415	5719620	48.692 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.759	5579962	45.979 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	5810897	51.680 ug/ml
20) T Dibenz[a,h]anthracene...	18.164	5494993	44.946 ug/ml
21) T Benzo[g,h,i]perylene ...	18.381	5143802	43.007 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049800.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 16:44
Sample : PB169950BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.490	4.467	4.536	VV	417859	3557849	54.42%	3.119%
2	6.032	5.974	6.108	BV	482718	4424401	67.67%	3.878%
3	7.086	7.044	7.154	PB	466158	4426949	67.71%	3.880%
4	7.697	7.664	7.761	PB	470656	4468408	68.35%	3.917%
5	8.365	8.314	8.431	BB	543903	5366652	82.09%	4.704%
6	8.561	8.511	8.631	BV	329802	3191925	48.82%	2.798%
7	8.662	8.631	8.721	PB	554179	5444955	83.28%	4.773%
8	9.443	9.311	9.504	BB	583921	5870522	89.79%	5.146%
9	10.842	10.811	10.881	VV	573836	6216907	95.09%	5.449%
10	10.918	10.881	10.974	VV	551397	5925649	90.64%	5.194%
11	11.609	11.534	11.661	BB	578907	6285760	96.14%	5.510%
12	12.658	12.621	12.731	VB	566526	6419205	98.19%	5.627%
13	12.956	12.874	12.985	BV	565661	6432856	98.39%	5.639%
14	14.828	14.764	14.847	BV	454782	5982803	91.51%	5.244%
15	14.872	14.847	14.944	VB	521116	6537851	100.00%	5.731%
16	16.379	16.294	16.395	BV	412603	5785243	88.49%	5.071%
17	16.415	16.395	16.488	VB	482672	5719620	87.48%	5.013%
18	16.759	16.678	16.799	BV	434817	5579962	85.35%	4.891%
19	18.126	17.954	18.142	BV	410239	5810897	88.88%	5.093%
20	18.164	18.142	18.238	VB	416659	5494993	84.05%	4.816%
21	18.381	18.281	18.458	BB	359977	5143802	78.68%	4.509%
Sum of corrected areas:						114087211		

Aromatic EPH 100225.M Fri Oct 03 06:49:03 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BSD	SDG No.:	Q3257
Lab Sample ID:	PB169950BSD	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
FE056149.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.76		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.57		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.92		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169950BSD	Acq On:	02 Oct 2025 16:02
Client Sample ID:	PB169950BSD	Operator:	YP\AJ
Data file:	FE056149.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	3.311	6.945	10010564	71.49	300	ug/ml
Aliphatic C12-C16	6.946	10.395	10519573	68.587	200	ug/ml
Aliphatic C16-C21	10.396	13.772	19736725	118.982	300	ug/ml
Aliphatic C21-C28	13.773	17.442	23717806	159.687	400	ug/ml
Aliphatic C28-C40	17.443	22.448	36272078	266.213	600	ug/ml
Aliphatic EPH	3.311	22.448	100256746	684.958		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	6079062	43.56		ug/ml
Aliphatic C9-C28	3.311	17.442	63984668	418.746	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056149.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 16:02
 Operator : YP\AJ
 Sample : PB169950BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169950BSD

Integration File: autoint1.e
 Quant Time: Oct 03 00:56:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.506	6079062	43.557 ug/ml
Spiked Amount 50.000		Recovery =	87.11%
Target Compounds			
1) T n-Nonane (C9)	3.411	2575817	18.803 ug/ml
2) T n-Decane (C10)	4.670	3289600	23.571 ug/ml
4) T n-Dodecane (C12)	6.845	4145147	28.880 ug/ml
6) T n-Tetradecane (C14)	8.681	4892044	33.089 ug/ml
7) T n-Hexadecane (C16)	10.295	5627529	35.414 ug/ml
8) T n-Octadecane (C18)	11.744	6360400	37.550 ug/ml
10) T n-Eicosane (C20)	13.059	6817885	41.130 ug/ml
11) T n-Heneicosane (C21)	13.673	6558440	40.362 ug/ml
13) T n-Docosane (C22)	14.260	6447470	40.349 ug/ml
14) T n-Tetracosane (C24)	15.366	6115580	40.134 ug/ml
15) T n-Hexacosane (C26)	16.390	5669146	39.747 ug/ml
16) T n-Octacosane (C28)	17.342	5485610	39.378 ug/ml
17) T n-Tricontane (C30)	18.232	5604735	37.824 ug/ml
18) T n-Dotriacontane (C32)	19.066	5852414	39.226 ug/ml
19) T n-Tetratriacontane (C34)	19.851	6101617	43.136 ug/ml
20) T n-Hexatriacontane (C36)	20.592	6196094	48.267 ug/ml
21) T n-Octatriacontane (C38)	21.367	6378738	48.566 ug/ml
22) T n-Tetracontane (C40)	22.348	6138480	51.598 ug/ml

(f)=RT Delta > 1/2 Window

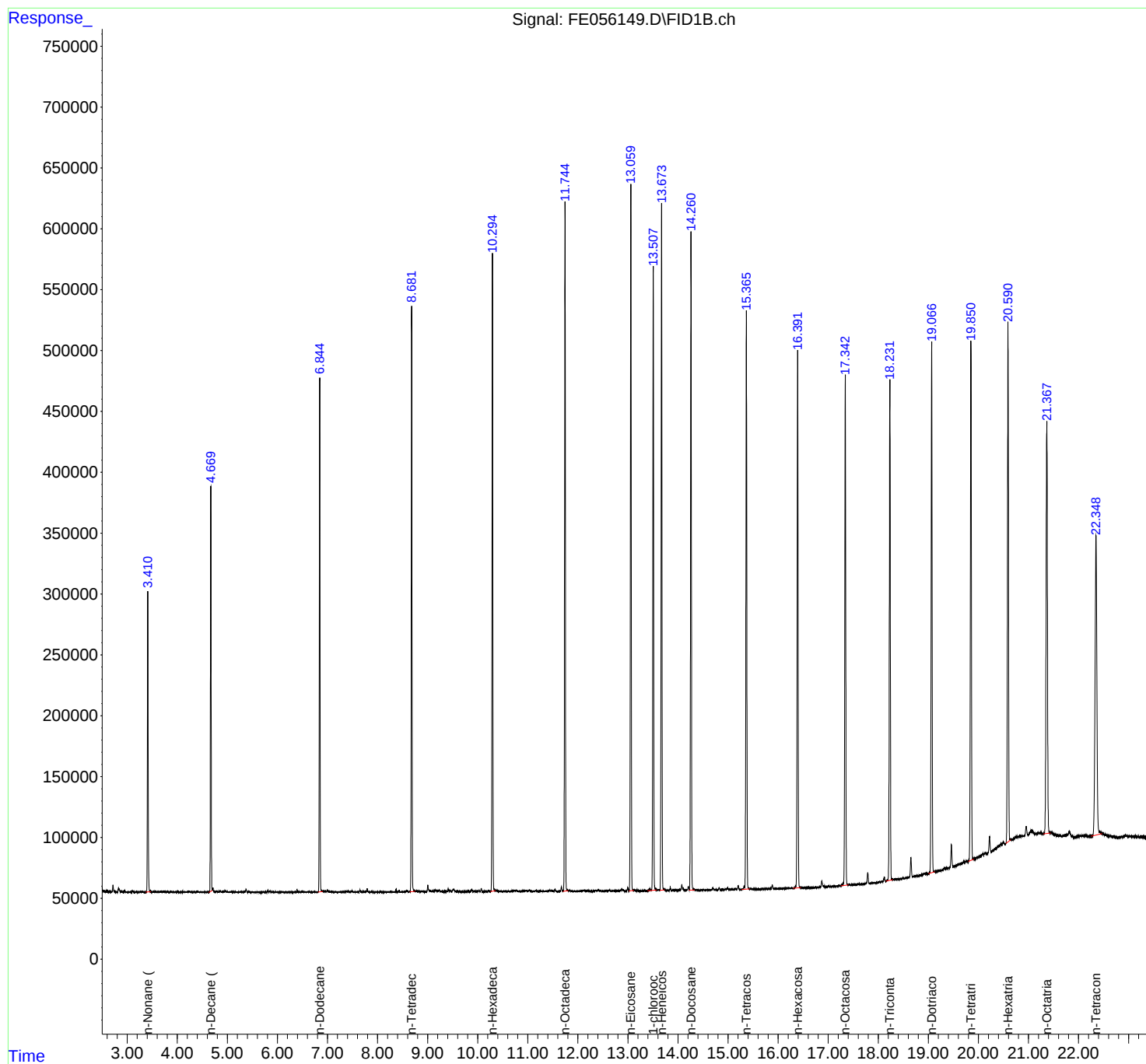
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056149.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 16:02
Operator : YP\AJ
Sample : PB169950BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169950BSD

Integration File: autoint1.e
Quant Time: Oct 03 00:56:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056149.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 16:02
Sample : PB169950BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.411	3.368	3.472	BB	246095	2575817	37.78%	2.422%
2	4.670	4.635	4.700	BV	332807	3289600	48.25%	3.094%
3	6.845	6.810	6.907	BB	423703	4145147	60.80%	3.898%
4	8.681	8.647	8.747	BB	477001	4892044	71.75%	4.601%
5	10.295	10.253	10.355	BB	525336	5627529	82.54%	5.292%
6	11.744	11.707	11.807	BB	563634	6360400	93.29%	5.981%
7	13.059	13.020	13.120	PB	579604	6817885	100.00%	6.412%
8	13.506	13.392	13.578	BB	513611	6079062	89.16%	5.717%
9	13.673	13.633	13.732	BB	567037	6558440	96.19%	6.168%
10	14.260	14.225	14.335	VB	541648	6447470	94.57%	6.063%
11	15.366	15.273	15.433	BB	476165	6115580	89.70%	5.751%
12	16.390	16.300	16.455	BB	439546	5669146	83.15%	5.331%
13	17.342	17.250	17.400	BB	417707	5485610	80.46%	5.159%
14	18.232	18.155	18.293	BB	411390	5604735	82.21%	5.271%
15	19.066	19.000	19.123	BB	437087	5852414	85.84%	5.504%
16	19.851	19.800	19.910	BB	423607	6101617	89.49%	5.738%
17	20.592	20.550	20.643	BB	415622	6196094	90.88%	5.827%
18	21.367	21.300	21.440	BB	337921	6378738	93.56%	5.999%
19	22.348	22.250	22.472	BB	246094	6138480	90.03%	5.773%
Sum of corrected areas:						106335806		

Aliphatic EPH 092425.M Fri Oct 03 02:20:45 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	RCAMS	SDG No.:	Q3257
Lab Sample ID:	Q3238-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 18:04	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	4.92		1	0.14	1.00	mg/kg FE056153.D
Aliphatic C12-C16	Aliphatic C12-C16	4.79		1	0.11	0.67	mg/kg FE056153.D
Aliphatic C16-C21	Aliphatic C16-C21	7.64		1	0.13	1.00	mg/kg FE056153.D
Aliphatic C21-C28	Aliphatic C21-C28	9.89		1	0.53	1.33	mg/kg FE056153.D
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1	1.18	2.00	mg/kg FE056153.D
Aromatic C10-C12	Aromatic C10-C12	4.17		1	0.12	0.67	mg/kg FD049804.D
Aromatic C12-C16	Aromatic C12-C16	8.63		1	0.23	1.00	mg/kg FD049804.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.66	mg/kg FD049804.D
Aromatic C21-C36	Aromatic C21-C36	22.7		1	1.19	2.66	mg/kg FD049804.D
Total AliphaticEPH	Total AliphaticEPH	48.0			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	50.5			1.94	5.98	mg/kg
Total EPH	Total EPH	98.5			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:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	RCAMS	SDG No.:	Q3257
Lab Sample ID:	Q3238-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049804.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.17		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.63		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.0		0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	22.7		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.3		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.0		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3238-01MS	Acq On:	02 Oct 2025 19:37
Client Sample ID:	RCAMS	Operator:	YP/AJ
Data file:	FD049804.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	7693732	62.658	200	ug/ml
Aromatic C12-C16	6.132	8.759	18603790	129.771	300	ug/ml
Aromatic C16-C21	8.760	13.049	32032138	225.306	500	ug/ml
Aromatic C21-C36	13.050	18.468	42171715	340.584	800	ug/ml
Aromatic EPH	4.389	18.468	100501375	758.319		ug/ml
ortho-Terphenyl (SURR)	11.608	11.608	3862905	25.88		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	4901926	41.26		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3563531	41.97		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049804.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 19:37
 Operator : YP/AJ
 Sample : Q3238-01MS
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 RCAMS

Integration File: autoint1.e
 Quant Time: Oct 03 06:18:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.698	4901926	41.257 ug/ml
Spiked Amount 50.000		Recovery =	82.51%
6) S 2-Fluorobiphenyl (SURR)	8.562	3563531	41.973 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.95%
11) S ortho-Terphenyl (SURR)	11.608	3862905	25.876 ug/ml
Spiked Amount 50.000		Recovery =	51.75%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	3123604	27.486 ug/ml
2) T Naphthalene (C11.7)	6.031	3841877	29.119 ug/ml
3) T 2-Methylnaphthalene (...)	7.085	3990514	28.841 ug/ml
5) T Acenaphthylene (C15.06)	8.365	4664802	31.928 ug/ml
7) T Acenaphthene (C15.5)	8.662	4817368	33.084 ug/ml
8) T Flouorene (C16.55)	9.443	5059806	34.647 ug/ml
9) T Phenanthrene (C19.36)	10.841	5356531	36.643 ug/ml
10) T Anthracene (C19.43)	10.917	5313697	39.102 ug/ml
12) T Fluoranthene (C21.85)	12.656	5408526	37.964 ug/ml
13) T Pyrene (C20.8)	12.954	5407853	38.469 ug/ml
14) T Benzo[a]anthracene (C...	14.827	4878971	38.794 ug/ml
15) T Chrysene (C27.41)	14.870	5434064	42.298 ug/ml
16) T benzo[b]fluoranthene ...	16.377	4705740	37.777 ug/ml
17) T Bnezo[k]fluoranthene ...	16.412	4637998	39.484 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.757	4434170	36.538 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.122	4737240	42.132 ug/ml
20) T Dibenz[a,h]anthracene...	18.161	4322636	35.357 ug/ml
21) T Benzo[g,h,i]perylene ...	18.379	4357603	36.433 ug/ml

(f)=RT Delta > 1/2 Window

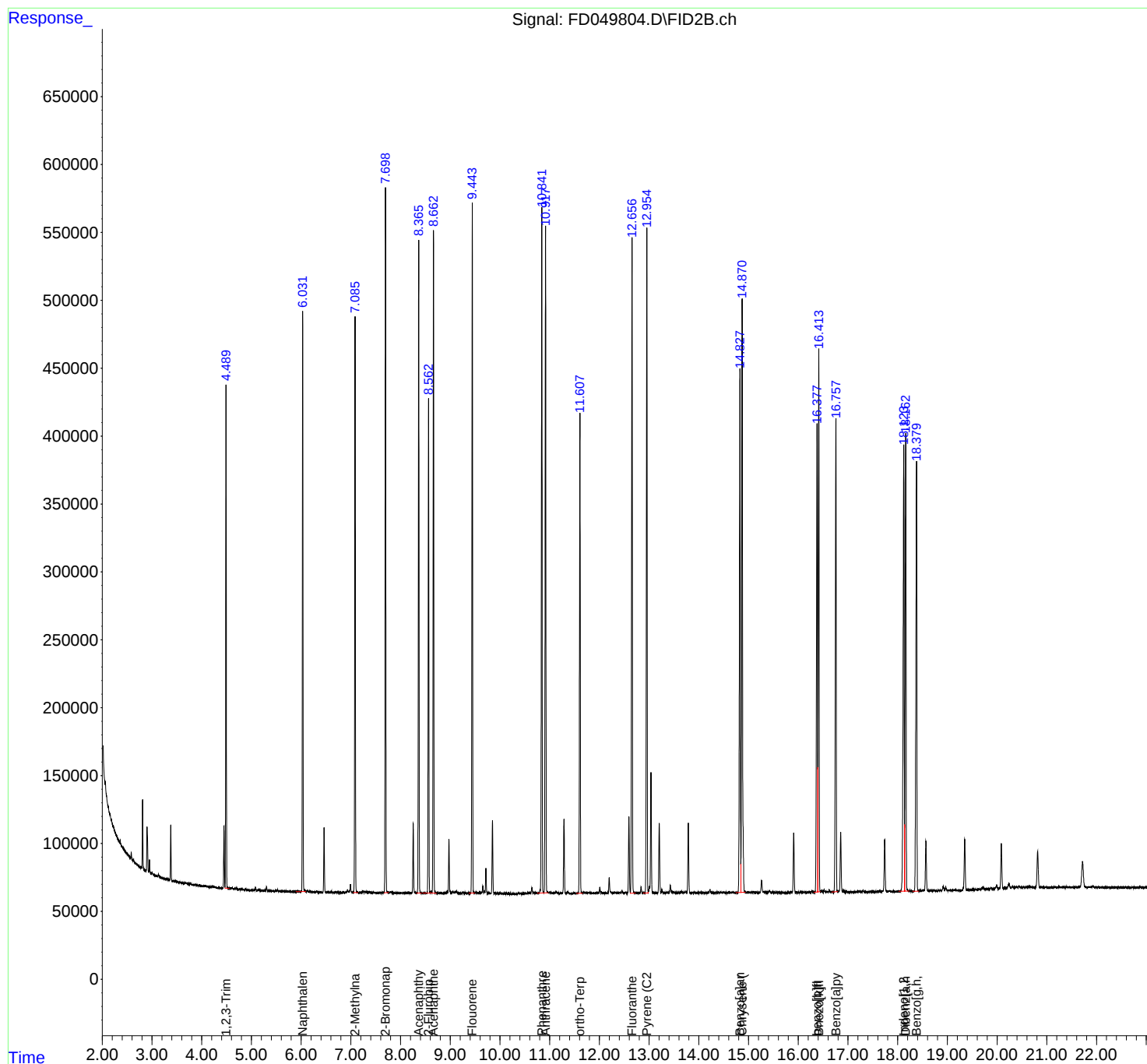
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049804.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 19:37
Operator : YP/AJ
Sample : Q3238-01MS
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
RCAMS

Integration File: autoint1.e
Quant Time: Oct 03 06:18:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049804.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 19:37
 Sample : Q3238-01MS
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.293	4.289	4.338	PV	121	1058	0.02%	0.001%
2	4.353	4.338	4.362	PV	293	2341	0.04%	0.002%
3	4.370	4.362	4.386	PV	301	2856	0.05%	0.003%
4	4.401	4.386	4.425	VV	374	5721	0.10%	0.005%
5	4.448	4.425	4.468	VV	45937	404827	7.38%	0.370%
6	4.489	4.468	4.536	VV	370321	3136604	57.21%	2.869%
7	4.547	4.536	4.580	VV	764	12194	0.22%	0.011%
8	4.597	4.580	4.607	VV	808	8920	0.16%	0.008%
9	4.617	4.607	4.653	VV	1056	11303	0.21%	0.010%
10	4.673	4.653	4.688	VV	859	9640	0.18%	0.009%
11	4.701	4.688	4.725	VV	1097	11202	0.20%	0.010%
12	4.730	4.725	4.747	VV	93	1060	0.02%	0.001%
13	4.757	4.747	4.774	VV	443	3828	0.07%	0.004%
14	4.794	4.774	4.810	VV	437	6305	0.11%	0.006%
15	4.821	4.810	4.843	VV	367	4587	0.08%	0.004%
16	4.853	4.843	4.869	VV	164	1246	0.02%	0.001%
17	4.889	4.869	4.921	PV	412	5985	0.11%	0.005%
18	4.928	4.921	4.938	VV	272	1281	0.02%	0.001%
19	4.959	4.957	4.990	VV	129	1691	0.03%	0.002%
20	5.002	4.990	5.025	PV	244	3047	0.06%	0.003%
21	5.028	5.025	5.038	VV	212	1318	0.02%	0.001%
22	5.055	5.038	5.067	VV	678	7265	0.13%	0.007%
23	5.083	5.067	5.110	VV	2477	27433	0.50%	0.025%
24	5.140	5.110	5.157	VV	576	8362	0.15%	0.008%
25	5.166	5.157	5.210	VV	428	6997	0.13%	0.006%
26	5.230	5.210	5.237	VV	216	2392	0.04%	0.002%
27	5.242	5.237	5.255	VV	165	1090	0.02%	0.001%
28	5.271	5.255	5.286	VV	247	3098	0.06%	0.003%
29	5.304	5.286	5.338	VV	3282	34582	0.63%	0.032%
30	5.342	5.338	5.351	VV	248	1255	0.02%	0.001%
31	5.365	5.351	5.388	VV	347	4223	0.08%	0.004%
32	5.392	5.388	5.421	VV	320	3218	0.06%	0.003%
33	5.450	5.438	5.468	VV	340	3354	0.06%	0.003%
34	5.485	5.468	5.502	VV	865	8574	0.16%	0.008%
35	5.526	5.502	5.548	VV	1139	14933	0.27%	0.014%
36	5.556	5.548	5.562	VV	272	1585	0.03%	0.001%

					rteres			
37	5.565	5.562	5.575	VV	282	1486	0.03%	0.001%
38	5.581	5.575	5.597	VV	346	2753	0.05%	0.003%
39	5.616	5.612	5.625	VV	168	1007	0.02%	0.001%
40	5.644	5.635	5.659	VV	469	3864	0.07%	0.004%
41	5.673	5.659	5.686	VV	342	3627	0.07%	0.003%
42	5.731	5.697	5.748	PV	361	5848	0.11%	0.005%
43	5.757	5.748	5.773	VV	289	3246	0.06%	0.003%
44	5.778	5.773	5.787	VV	322	1842	0.03%	0.002%
45	5.793	5.787	5.804	VV	290	1992	0.04%	0.002%
46	5.825	5.804	5.857	VV	411	8239	0.15%	0.008%
47	5.861	5.857	5.875	VV	336	2227	0.04%	0.002%
48	5.877	5.875	5.896	VV	241	1793	0.03%	0.002%
49	5.906	5.896	5.923	VV	299	2989	0.05%	0.003%
50	5.942	5.923	5.965	VV	541	8088	0.15%	0.007%
51	5.982	5.965	5.988	VV	491	4518	0.08%	0.004%
52	6.032	5.988	6.072	VV	428108	3847737	70.18%	3.519%
53	6.079	6.072	6.110	VV	1211	17922	0.33%	0.016%
54	6.122	6.110	6.155	VV	1107	15434	0.28%	0.014%
55	6.182	6.155	6.220	VV	788	17281	0.32%	0.016%
56	6.225	6.220	6.233	VV	433	2267	0.04%	0.002%
57	6.237	6.233	6.287	VV	317	7812	0.14%	0.007%
58	6.314	6.287	6.353	VV	836	12620	0.23%	0.012%
59	6.357	6.353	6.369	VV	208	1231	0.02%	0.001%
60	6.385	6.369	6.396	PV	231	1854	0.03%	0.002%
61	6.401	6.396	6.415	VV	149	1620	0.03%	0.001%
62	6.462	6.415	6.507	VV	47968	465323	8.49%	0.426%
63	6.548	6.507	6.570	VV	511	10598	0.19%	0.010%
64	6.581	6.570	6.599	VV	519	5182	0.09%	0.005%
65	6.611	6.599	6.634	VV	780	8672	0.16%	0.008%
66	6.646	6.634	6.663	VV	338	3080	0.06%	0.003%
67	6.687	6.663	6.707	PV	529	6924	0.13%	0.006%
68	6.729	6.718	6.745	VV	253	2804	0.05%	0.003%
69	6.749	6.745	6.755	VV	369	1221	0.02%	0.001%
70	6.781	6.762	6.818	PV	327	7073	0.13%	0.006%
71	6.838	6.818	6.863	VV	307	6324	0.12%	0.006%
72	6.868	6.863	6.875	VV	360	1794	0.03%	0.002%
73	6.882	6.875	6.888	VV	400	2266	0.04%	0.002%
74	6.906	6.888	6.917	VV	591	7115	0.13%	0.007%
75	6.933	6.917	6.947	VV	2414	24728	0.45%	0.023%
76	6.958	6.947	6.973	VV	1032	13827	0.25%	0.013%
77	6.993	6.973	7.052	VV	6484	75404	1.38%	0.069%
78	7.086	7.052	7.122	VV	423336	3996788	72.89%	3.656%
79	7.128	7.122	7.165	VV	782	11316	0.21%	0.010%
80	7.171	7.165	7.184	VV	339	2801	0.05%	0.003%
81	7.193	7.184	7.207	VV	387	2811	0.05%	0.003%
82	7.223	7.207	7.232	VV	1043	9304	0.17%	0.009%
83	7.245	7.232	7.265	VV	1712	19593	0.36%	0.018%
84	7.280	7.265	7.295	VV	1247	15261	0.28%	0.014%
85	7.305	7.295	7.321	VV	1016	10191	0.19%	0.009%
86	7.326	7.321	7.340	VV	478	3416	0.06%	0.003%
87	7.351	7.340	7.369	VV	870	9458	0.17%	0.009%
88	7.386	7.369	7.411	VV	730	10321	0.19%	0.009%
89	7.417	7.411	7.431	VV	342	3118	0.06%	0.003%

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90	7.442	7.431	7.460	VV	391	5485	0.10%	0.005%
91	7.478	7.460	7.515	VV	593	8181	0.15%	0.007%
92	7.564	7.515	7.575	VV	394	7294	0.13%	0.007%
93	7.580	7.575	7.585	VV	282	1524	0.03%	0.001%
94	7.599	7.585	7.607	VV	435	4341	0.08%	0.004%
95	7.616	7.607	7.631	VV	515	4621	0.08%	0.004%
96	7.647	7.631	7.660	VV	755	9433	0.17%	0.009%
97	7.698	7.660	7.763	VV	520043	4926434	89.85%	4.506%
98	7.792	7.763	7.838	VV	885	25810	0.47%	0.024%
99	7.841	7.838	7.850	VV	290	1640	0.03%	0.001%
100	7.859	7.850	7.897	VV	295	4237	0.08%	0.004%
101	7.915	7.897	7.925	VV	427	3637	0.07%	0.003%
102	7.949	7.925	7.990	PV	549	10490	0.19%	0.010%
103	8.001	7.990	8.027	VV	360	5504	0.10%	0.005%
104	8.036	8.027	8.059	VV	393	5004	0.09%	0.005%
105	8.071	8.059	8.090	VV	357	4688	0.09%	0.004%
106	8.095	8.090	8.112	VV	249	2738	0.05%	0.003%
107	8.117	8.112	8.140	VV	408	5390	0.10%	0.005%
108	8.158	8.140	8.187	VV	887	15191	0.28%	0.014%
109	8.194	8.187	8.202	VV	461	3481	0.06%	0.003%
110	8.208	8.202	8.225	VV	376	4274	0.08%	0.004%
111	8.255	8.225	8.302	VV	51609	537330	9.80%	0.491%
112	8.315	8.302	8.333	VV	493	7110	0.13%	0.007%
113	8.365	8.333	8.430	VV	480449	4679845	85.35%	4.280%
114	8.446	8.430	8.473	VV	387	8260	0.15%	0.008%
115	8.488	8.473	8.515	VV	547	8037	0.15%	0.007%
116	8.524	8.515	8.530	VV	225	1419	0.03%	0.001%
117	8.563	8.530	8.603	VV	365554	3578585	65.27%	3.273%
118	8.616	8.603	8.632	VV	1421	19362	0.35%	0.018%
119	8.662	8.632	8.696	VV	487838	4822020	87.95%	4.410%
120	8.702	8.696	8.707	VV	911	5090	0.09%	0.005%
121	8.712	8.707	8.727	VV	1021	8646	0.16%	0.008%
122	8.743	8.727	8.778	VV	636	13725	0.25%	0.013%
123	8.803	8.778	8.829	VV	580	13650	0.25%	0.012%
124	8.838	8.829	8.843	VV	435	2801	0.05%	0.003%
125	8.876	8.843	8.902	VV	574	15151	0.28%	0.014%
126	8.907	8.902	8.919	VV	562	4954	0.09%	0.005%
127	8.935	8.919	8.947	VV	1415	16895	0.31%	0.015%
128	8.973	8.947	9.030	VV	40164	423844	7.73%	0.388%
129	9.056	9.030	9.078	VV	2050	28948	0.53%	0.026%
130	9.095	9.078	9.105	VV	1265	16281	0.30%	0.015%
131	9.126	9.105	9.154	VV	1889	31658	0.58%	0.029%
132	9.160	9.154	9.195	VV	606	9097	0.17%	0.008%
133	9.199	9.195	9.203	VV	364	1538	0.03%	0.001%
134	9.261	9.203	9.282	VV	943	26126	0.48%	0.024%
135	9.301	9.282	9.328	VV	696	14456	0.26%	0.013%
136	9.334	9.328	9.338	VV	519	2764	0.05%	0.003%
137	9.344	9.338	9.349	VV	576	3089	0.06%	0.003%
138	9.358	9.349	9.382	VV	612	10624	0.19%	0.010%
139	9.390	9.382	9.402	VV	583	4544	0.08%	0.004%
140	9.443	9.402	9.506	VV	508717	5101454	93.04%	4.666%
141	9.535	9.506	9.541	VV	906	16374	0.30%	0.015%

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142	9.544	9.541	9.558	VV	759	7036	0.13%	0.006%
143	9.582	9.558	9.592	VV	940	15403	0.28%	0.014%
144	9.597	9.592	9.616	VV	897	11406	0.21%	0.010%
145	9.655	9.616	9.675	VV	5994	83086	1.52%	0.076%
146	9.687	9.675	9.697	VV	1760	19557	0.36%	0.018%
147	9.717	9.697	9.747	VV	19021	205551	3.75%	0.188%
148	9.762	9.747	9.782	VV	970	16237	0.30%	0.015%
149	9.793	9.782	9.804	VV	732	8710	0.16%	0.008%
150	9.810	9.804	9.819	VV	546	4415	0.08%	0.004%
151	9.849	9.819	9.885	VV	54196	594234	10.84%	0.544%
152	9.890	9.885	9.896	VV	598	3198	0.06%	0.003%
153	9.917	9.896	9.950	VV	753	18699	0.34%	0.017%
154	9.954	9.950	9.967	VV	660	5686	0.10%	0.005%
155	9.970	9.967	9.990	VV	583	6950	0.13%	0.006%
156	10.023	9.990	10.038	VV	645	14648	0.27%	0.013%
157	10.045	10.038	10.059	VV	602	6261	0.11%	0.006%
158	10.078	10.059	10.111	VV	820	17196	0.31%	0.016%
159	10.130	10.111	10.148	VV	763	9628	0.18%	0.009%
160	10.156	10.148	10.192	VV	625	10765	0.20%	0.010%
161	10.195	10.192	10.218	VV	427	5646	0.10%	0.005%
162	10.228	10.218	10.255	VV	452	7229	0.13%	0.007%
163	10.266	10.255	10.272	VV	549	3254	0.06%	0.003%
164	10.278	10.272	10.288	VV	452	3079	0.06%	0.003%
165	10.293	10.288	10.308	VV	267	2040	0.04%	0.002%
166	10.313	10.308	10.330	VV	271	1487	0.03%	0.001%
167	10.372	10.350	10.386	VV	1061	13692	0.25%	0.013%
168	10.405	10.386	10.443	VV	660	14887	0.27%	0.014%
169	10.477	10.443	10.486	VV	771	14743	0.27%	0.013%
170	10.497	10.486	10.512	VV	753	10595	0.19%	0.010%
171	10.540	10.512	10.555	VV	766	17075	0.31%	0.016%
172	10.570	10.555	10.581	VV	955	12669	0.23%	0.012%
173	10.585	10.581	10.603	VV	899	9730	0.18%	0.009%
174	10.606	10.603	10.612	VV	683	3227	0.06%	0.003%
175	10.643	10.612	10.667	VV	4625	73317	1.34%	0.067%
176	10.682	10.667	10.697	VV	1326	19035	0.35%	0.017%
177	10.720	10.697	10.750	VV	1173	29153	0.53%	0.027%
178	10.768	10.750	10.775	VV	942	11302	0.21%	0.010%
179	10.778	10.775	10.790	VV	964	7587	0.14%	0.007%
180	10.842	10.790	10.883	VV	505901	5402084	98.52%	4.941%
181	10.917	10.883	10.952	VV	490085	5346146	97.50%	4.890%
182	10.956	10.952	10.976	VV	1621	19074	0.35%	0.017%
183	10.992	10.976	11.036	VV	1464	39932	0.73%	0.037%
184	11.044	11.036	11.076	VV	812	17090	0.31%	0.016%
185	11.094	11.076	11.107	VV	1068	16138	0.29%	0.015%
186	11.126	11.107	11.178	VV	2030	46340	0.85%	0.042%
187	11.180	11.178	11.197	VV	814	6097	0.11%	0.006%
188	11.220	11.197	11.243	VV	940	17830	0.33%	0.016%
189	11.288	11.243	11.341	VV	55290	652121	11.89%	0.596%
190	11.365	11.341	11.402	VV	1611	32109	0.59%	0.029%
191	11.408	11.402	11.412	VV	585	3124	0.06%	0.003%
192	11.418	11.412	11.434	VV	545	5671	0.10%	0.005%
193	11.457	11.434	11.465	VV	581	8056	0.15%	0.007%
194	11.478	11.465	11.498	VV	661	10437	0.19%	0.010%

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195	11.507	11.498	11.528	VV	531	8123	0.15%	0.007%
196	11.538	11.528	11.555	VV	498	6843	0.12%	0.006%
197	11.608	11.555	11.660	VV	354419	3897207	71.08%	3.565%
198	11.675	11.660	11.686	VV	1026	12657	0.23%	0.012%
199	11.701	11.686	11.706	VV	1081	11550	0.21%	0.011%
200	11.709	11.706	11.726	VV	970	9420	0.17%	0.009%
201	11.740	11.726	11.751	VV	1034	13606	0.25%	0.012%
202	11.771	11.751	11.803	VV	1074	27641	0.50%	0.025%
203	11.812	11.803	11.855	VV	1079	21784	0.40%	0.020%
204	11.860	11.855	11.872	VV	562	4329	0.08%	0.004%
205	11.876	11.872	11.881	VV	469	2380	0.04%	0.002%
206	11.892	11.881	11.904	VV	736	7714	0.14%	0.007%
207	11.955	11.904	11.979	VV	857	31610	0.58%	0.029%
208	12.008	11.979	12.033	VV	4803	65553	1.20%	0.060%
209	12.045	12.033	12.075	VV	965	18231	0.33%	0.017%
210	12.086	12.075	12.108	VV	718	11683	0.21%	0.011%
211	12.114	12.108	12.142	VV	858	12907	0.24%	0.012%
212	12.196	12.142	12.258	VV	11961	181126	3.30%	0.166%
213	12.264	12.258	12.276	VV	992	8676	0.16%	0.008%
214	12.284	12.276	12.306	VV	987	14961	0.27%	0.014%
215	12.321	12.306	12.354	VV	1001	23446	0.43%	0.021%
216	12.383	12.354	12.400	VV	916	20097	0.37%	0.018%
217	12.457	12.400	12.484	VV	1925	51090	0.93%	0.047%
218	12.493	12.484	12.507	VV	663	6820	0.12%	0.006%
219	12.533	12.507	12.557	VV	1295	22624	0.41%	0.021%
220	12.594	12.557	12.621	VV	56696	675387	12.32%	0.618%
221	12.656	12.621	12.713	VV	484317	5431113	99.05%	4.968%
222	12.720	12.713	12.741	VV	837	9716	0.18%	0.009%
223	12.746	12.741	12.760	VV	520	5177	0.09%	0.005%
224	12.788	12.760	12.815	VV	630	18053	0.33%	0.017%
225	12.838	12.815	12.867	VV	5133	63004	1.15%	0.058%
226	12.879	12.867	12.899	VV	598	10046	0.18%	0.009%
227	12.909	12.899	12.914	VV	603	4762	0.09%	0.004%
228	12.954	12.914	12.982	VV	490854	5427951	99.00%	4.965%
229	13.005	12.982	13.013	VV	5356	65467	1.19%	0.060%
230	13.038	13.013	13.071	VV	89575	1041681	19.00%	0.953%
231	13.077	13.071	13.092	VV	848	8892	0.16%	0.008%
232	13.094	13.092	13.105	VV	753	4652	0.08%	0.004%
233	13.110	13.105	13.114	VV	513	2461	0.04%	0.002%
234	13.118	13.114	13.132	VV	468	4673	0.09%	0.004%
235	13.140	13.132	13.153	VV	545	5715	0.10%	0.005%
236	13.158	13.153	13.173	VV	528	4885	0.09%	0.004%
237	13.204	13.173	13.238	VV	51783	638356	11.64%	0.584%
238	13.257	13.238	13.302	VV	2632	45530	0.83%	0.042%
239	13.316	13.302	13.327	VV	735	9177	0.17%	0.008%
240	13.333	13.327	13.348	VV	978	7994	0.15%	0.007%
241	13.360	13.348	13.365	VV	700	5629	0.10%	0.005%
242	13.370	13.365	13.377	VV	592	4082	0.07%	0.004%
243	13.382	13.377	13.391	VV	585	4157	0.08%	0.004%
244	13.395	13.391	13.402	VV	514	3413	0.06%	0.003%
245	13.427	13.402	13.465	VV	6213	94814	1.73%	0.087%
246	13.469	13.465	13.479	VV	1164	8284	0.15%	0.008%

					rteres			
247	13.485	13.479	13.518	VV	1082	20383	0.37%	0.019%
248	13.524	13.518	13.537	VV	850	7741	0.14%	0.007%
249	13.546	13.537	13.551	VV	568	4735	0.09%	0.004%
250	13.555	13.551	13.565	VV	682	4459	0.08%	0.004%
251	13.580	13.565	13.595	VV	673	10242	0.19%	0.009%
252	13.605	13.595	13.628	VV	633	10987	0.20%	0.010%
253	13.657	13.628	13.688	VV	1571	33705	0.61%	0.031%
254	13.703	13.688	13.715	VV	686	10454	0.19%	0.010%
255	13.740	13.715	13.759	VV	1607	27100	0.49%	0.025%
256	13.788	13.759	13.842	VV	51892	639296	11.66%	0.585%
257	13.850	13.842	13.862	VV	517	5043	0.09%	0.005%
258	13.866	13.862	13.870	VV	427	1890	0.03%	0.002%
259	13.879	13.870	13.892	VV	536	5494	0.10%	0.005%
260	13.913	13.892	13.945	VV	688	16477	0.30%	0.015%
261	13.963	13.945	13.983	VV	559	9561	0.17%	0.009%
262	14.005	13.983	14.013	VV	641	8591	0.16%	0.008%
263	14.017	14.013	14.022	VV	543	2367	0.04%	0.002%
264	14.026	14.022	14.057	VV	507	10544	0.19%	0.010%
265	14.061	14.057	14.069	VV	605	3908	0.07%	0.004%
266	14.072	14.069	14.076	VV	521	2024	0.04%	0.002%
267	14.081	14.076	14.116	VV	543	10312	0.19%	0.009%
268	14.122	14.116	14.135	VV	563	4718	0.09%	0.004%
269	14.140	14.135	14.145	VV	398	2066	0.04%	0.002%
270	14.150	14.145	14.163	VV	497	4301	0.08%	0.004%
271	14.182	14.163	14.199	VV	729	12196	0.22%	0.011%
272	14.223	14.199	14.263	VV	2895	46845	0.85%	0.043%
273	14.297	14.263	14.301	VV	498	9386	0.17%	0.009%
274	14.316	14.301	14.335	VV	567	8920	0.16%	0.008%
275	14.346	14.335	14.365	VV	610	8519	0.16%	0.008%
276	14.393	14.365	14.422	VV	637	16601	0.30%	0.015%
277	14.435	14.422	14.439	VV	604	5460	0.10%	0.005%
278	14.448	14.439	14.473	VV	672	11778	0.21%	0.011%
279	14.481	14.473	14.496	VV	641	7391	0.13%	0.007%
280	14.502	14.496	14.507	VV	703	3977	0.07%	0.004%
281	14.514	14.507	14.534	VV	684	8770	0.16%	0.008%
282	14.561	14.534	14.572	VV	717	11846	0.22%	0.011%
283	14.584	14.572	14.594	VV	561	5587	0.10%	0.005%
284	14.602	14.594	14.614	VV	482	4825	0.09%	0.004%
285	14.617	14.614	14.621	VV	546	1751	0.03%	0.002%
286	14.639	14.621	14.649	VV	662	8401	0.15%	0.008%
287	14.660	14.649	14.677	VV	648	9479	0.17%	0.009%
288	14.682	14.677	14.687	VV	689	3658	0.07%	0.003%
289	14.695	14.687	14.700	VV	590	4261	0.08%	0.004%
290	14.704	14.700	14.717	VV	625	5109	0.09%	0.005%
291	14.722	14.717	14.734	VV	476	4574	0.08%	0.004%
292	14.737	14.734	14.753	VV	505	4936	0.09%	0.005%
293	14.763	14.753	14.773	VV	522	4890	0.09%	0.004%
294	14.778	14.773	14.787	VV	445	2764	0.05%	0.003%
295	14.827	14.787	14.846	VV	385750	4897961	89.33%	4.480%
296	14.871	14.846	14.963	VV	435073	5482984	100.00%	5.015%
297	14.967	14.963	14.978	VV	590	4556	0.08%	0.004%
298	14.983	14.978	15.007	VV	606	9162	0.17%	0.008%
299	15.013	15.007	15.019	VV	570	3713	0.07%	0.003%

					rteres			
300	15.040	15.019	15.047	VV	704	9085	0.17%	0.008%
301	15.055	15.047	15.068	VV	651	7788	0.14%	0.007%
302	15.073	15.068	15.078	VV	682	3652	0.07%	0.003%
303	15.081	15.078	15.115	VV	618	13709	0.25%	0.013%
304	15.133	15.115	15.163	VV	636	13320	0.24%	0.012%
305	15.179	15.163	15.185	VV	523	5613	0.10%	0.005%
306	15.189	15.185	15.203	VV	472	4207	0.08%	0.004%
307	15.219	15.203	15.229	VV	586	6605	0.12%	0.006%
308	15.263	15.229	15.302	VV	9299	146156	2.67%	0.134%
309	15.306	15.302	15.326	VV	1077	11223	0.20%	0.010%
310	15.330	15.326	15.337	VV	602	3420	0.06%	0.003%
311	15.343	15.337	15.373	VV	642	8854	0.16%	0.008%
312	15.381	15.373	15.387	VV	501	3218	0.06%	0.003%
313	15.425	15.387	15.449	VV	1761	33472	0.61%	0.031%
314	15.473	15.449	15.529	VV	518	18047	0.33%	0.017%
315	15.542	15.529	15.595	VV	525	13450	0.25%	0.012%
316	15.605	15.595	15.647	VV	340	7854	0.14%	0.007%
317	15.657	15.647	15.678	VV	231	3831	0.07%	0.004%
318	15.694	15.678	15.711	VV	311	3506	0.06%	0.003%
319	15.737	15.711	15.760	PV	434	7307	0.13%	0.007%
320	15.779	15.760	15.797	VV	427	6902	0.13%	0.006%
321	15.815	15.797	15.828	VV	393	5534	0.10%	0.005%
322	15.839	15.828	15.846	VV	416	3738	0.07%	0.003%
323	15.908	15.846	15.946	VV	44049	579892	10.58%	0.530%
324	15.980	15.946	15.988	VV	371	5624	0.10%	0.005%
325	16.006	15.988	16.022	VV	375	5141	0.09%	0.005%
326	16.053	16.022	16.087	VV	551	13293	0.24%	0.012%
327	16.104	16.087	16.179	VV	776	18314	0.33%	0.017%
328	16.187	16.179	16.210	VV	343	4678	0.09%	0.004%
329	16.221	16.210	16.244	VV	430	7177	0.13%	0.007%
330	16.274	16.244	16.318	VV	1342	25847	0.47%	0.024%
331	16.377	16.318	16.393	VV	344792	4722715	86.13%	4.320%
332	16.412	16.393	16.453	VV	397282	4670459	85.18%	4.272%
333	16.467	16.453	16.502	VV	1247	25981	0.47%	0.024%
334	16.522	16.502	16.553	VV	1420	28007	0.51%	0.026%
335	16.567	16.553	16.601	VV	787	18061	0.33%	0.017%
336	16.624	16.601	16.662	VV	1733	30225	0.55%	0.028%
337	16.687	16.662	16.705	VV	477	10959	0.20%	0.010%
338	16.757	16.705	16.800	VV	349354	4468692	81.50%	4.087%
339	16.853	16.800	16.886	VV	44415	604731	11.03%	0.553%
340	16.904	16.886	16.927	VV	1514	23889	0.44%	0.022%
341	16.934	16.927	17.000	VV	635	15241	0.28%	0.014%
342	17.056	17.000	17.100	VV	284	15833	0.29%	0.014%
343	17.124	17.100	17.167	VV	536	15698	0.29%	0.014%
344	17.215	17.167	17.237	VV	806	21336	0.39%	0.020%
345	17.248	17.237	17.272	VV	555	9830	0.18%	0.009%
346	17.302	17.272	17.345	VV	1398	26659	0.49%	0.024%
347	17.353	17.345	17.378	VV	252	3400	0.06%	0.003%
348	17.418	17.378	17.431	PV	413	8044	0.15%	0.007%
349	17.477	17.431	17.516	VV	511	14452	0.26%	0.013%
350	17.564	17.516	17.583	PV	419	10402	0.19%	0.010%
351	17.601	17.583	17.612	VV	525	7749	0.14%	0.007%

					rteres				
352	17.630	17.612	17.651	VV	702	11159	0.20%	0.010%	
353	17.661	17.651	17.670	VV	433	4382	0.08%	0.004%	
354	17.738	17.670	17.803	VV	38633	559325	10.20%	0.512%	
355	17.829	17.803	17.863	VV	796	17521	0.32%	0.016%	
356	17.897	17.863	17.942	VV	469	12281	0.22%	0.011%	
357	17.967	17.942	17.994	VV	235	4989	0.09%	0.005%	
358	18.020	17.994	18.047	VV	393	7988	0.15%	0.007%	
359	18.122	18.047	18.138	VV	327341	4751641	86.66%	4.346%	
360	18.161	18.138	18.235	VV	338177	4349534	79.33%	3.978%	
361	18.243	18.235	18.323	VV	682	13895	0.25%	0.013%	
362	18.379	18.323	18.451	PV	314614	4365545	79.62%	3.993%	
363	18.460	18.451	18.468	VV	190	1223	0.02%	0.001%	
					Sum of corrected areas:		109331273		

Aromatic EPH 100225.M Fri Oct 03 06:52:00 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	RCAMS	SDG No.:	Q3257
Lab Sample ID:	Q3238-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056153.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.92		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.79		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.64		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.89		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3238-01MS	Acq On:	02 Oct 2025 18:04
Client Sample ID:	RCAMS	Operator:	YP\AJ
Data file:	FE056153.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	10354395	73.945	300	ug/ml
Aliphatic C12-C16	6.946	10.395	11038918	71.973	200	ug/ml
Aliphatic C16-C21	10.396	13.772	19057854	114.89	300	ug/ml
Aliphatic C21-C28	13.773	17.442	22073475	148.616	400	ug/ml
Aliphatic C28-C40	17.443	22.448	42539910	312.215	600	ug/ml
Aliphatic EPH	3.311	22.448	105064552	721.638		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4205241	30.13		ug/ml
Aliphatic C9-C28	3.311	17.442	62524642	409.424	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056153.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 18:04
 Operator : YP\AJ
 Sample : Q3238-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 RCAMS

Integration File: autoint1.e
 Quant Time: Oct 03 00:59:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.505	4205241	30.131 ug/ml
Spiked Amount 50.000		Recovery =	60.26%
Target Compounds			
1) T n-Nonane (C9)	3.412	2640929	19.278 ug/ml
2) T n-Decane (C10)	4.670	3284878	23.537 ug/ml
4) T n-Dodecane (C12)	6.844	3955975	27.562 ug/ml
6) T n-Tetradecane (C14)	8.680	4722784	31.944 ug/ml
7) T n-Hexadecane (C16)	10.294	5473463	34.444 ug/ml
8) T n-Octadecane (C18)	11.743	6060973	35.783 ug/ml
10) T n-Eicosane (C20)	13.058	6245608	37.677 ug/ml
11) T n-Heneicosane (C21)	13.672	6037044	37.153 ug/ml
13) T n-Docosane (C22)	14.260	5880851	36.803 ug/ml
14) T n-Tetracosane (C24)	15.366	5501820	36.106 ug/ml
15) T n-Hexacosane (C26)	16.389	5129272	35.962 ug/ml
16) T n-Octacosane (C28)	17.340	4959815	35.604 ug/ml
17) T n-Tricontane (C30)	18.230	4952327	33.421 ug/ml
18) T n-Dotriacontane (C32)	19.064	5079927	34.048 ug/ml
19) T n-Tetratriacontane (C34)	19.850	5256053	37.158 ug/ml
20) T n-Hexatriacontane (C36)	20.591	5286293	41.180 ug/ml
21) T n-Octatriacontane (C38)	21.365	5338543	40.646 ug/ml
22) T n-Tetracontane (C40)	22.345	5140051	43.206 ug/ml

(f)=RT Delta > 1/2 Window

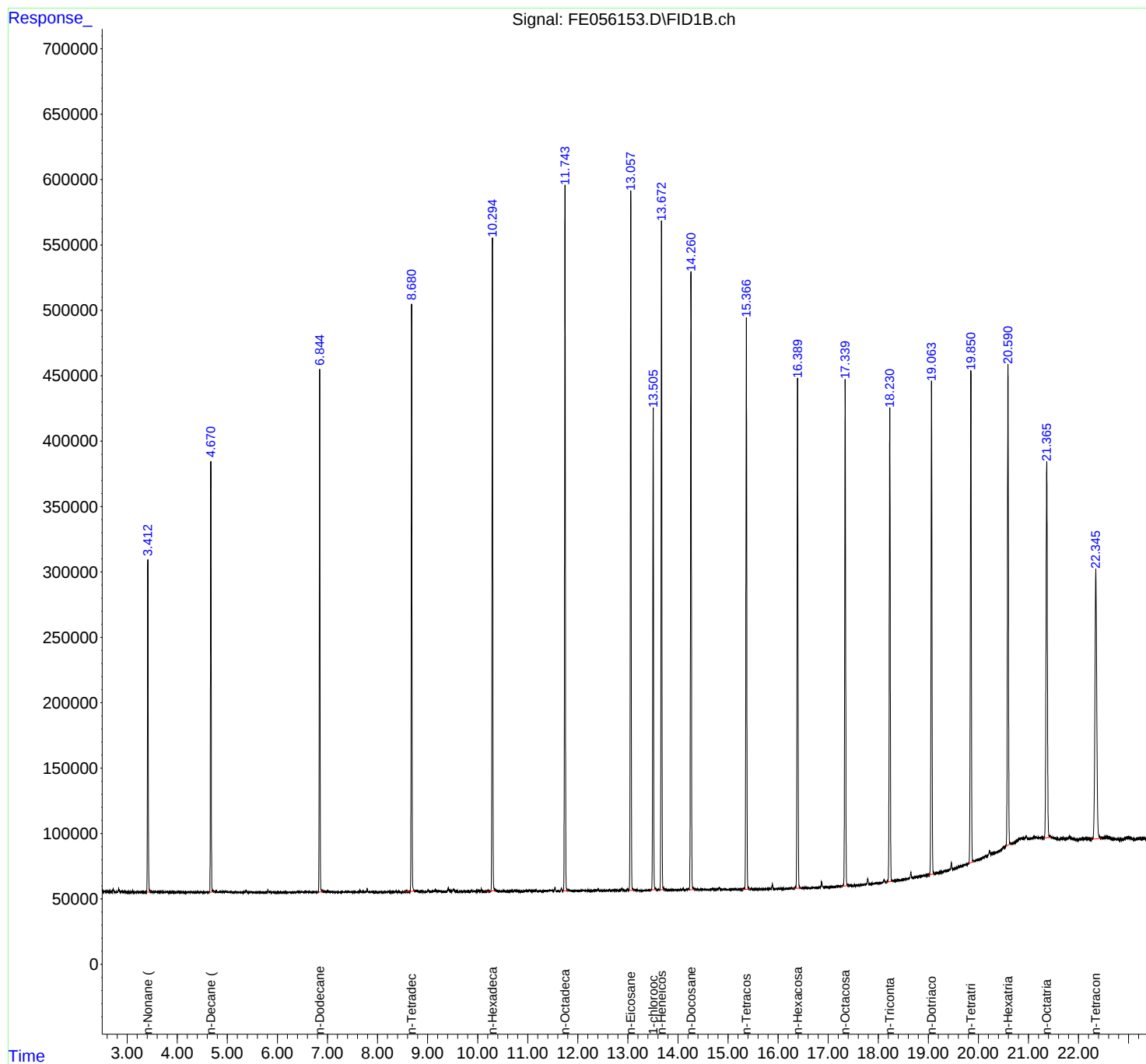
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056153.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 18:04
Operator : YP\AJ
Sample : Q3238-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
RCAMS

Integration File: autoint1.e
Quant Time: Oct 03 00:59:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056153.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 18:04
 Sample : Q3238-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.829	2.805	2.868	BV	2130	33200	0.48%	0.030%
2	2.886	2.868	2.935	VV	561	7123	0.10%	0.007%
3	2.950	2.935	3.023	VV	802	9445	0.14%	0.009%
4	3.048	3.023	3.088	PV	214	3356	0.05%	0.003%
5	3.107	3.088	3.144	PV	1061	11745	0.17%	0.011%
6	3.201	3.144	3.215	VV	223	6110	0.09%	0.006%
7	3.231	3.215	3.254	VV	159	2993	0.04%	0.003%
8	3.283	3.254	3.303	VV	192	4063	0.06%	0.004%
9	3.313	3.303	3.381	VV	163	5635	0.08%	0.005%
10	3.412	3.381	3.517	VV	253225	2663255	38.51%	2.434%
11	3.531	3.517	3.545	VV	324	4394	0.06%	0.004%
12	3.561	3.545	3.614	VV	324	11059	0.16%	0.010%
13	3.629	3.614	3.638	VV	310	3746	0.05%	0.003%
14	3.657	3.638	3.680	VV	294	6116	0.09%	0.006%
15	3.704	3.680	3.714	VV	264	4359	0.06%	0.004%
16	3.750	3.714	3.774	VV	329	9687	0.14%	0.009%
17	3.791	3.774	3.851	VV	344	8844	0.13%	0.008%
18	3.862	3.851	3.889	VV	216	3640	0.05%	0.003%
19	3.907	3.889	3.928	VV	136	2585	0.04%	0.002%
20	3.932	3.928	3.982	VV	145	3277	0.05%	0.003%
21	4.004	3.982	4.018	VV	325	4096	0.06%	0.004%
22	4.025	4.018	4.042	VV	221	1950	0.03%	0.002%
23	4.056	4.042	4.087	VV	141	2383	0.03%	0.002%
24	4.101	4.087	4.132	VV	230	3135	0.05%	0.003%
25	4.141	4.132	4.178	VV	93	1424	0.02%	0.001%
26	4.210	4.178	4.227	PV	414	5184	0.07%	0.005%
27	4.244	4.227	4.268	VV	548	6654	0.10%	0.006%
28	4.281	4.268	4.298	VV	145	1342	0.02%	0.001%
29	4.319	4.298	4.361	VV	280	3520	0.05%	0.003%
30	4.398	4.361	4.431	PV	539	10195	0.15%	0.009%
31	4.440	4.431	4.501	VB	176	3865	0.06%	0.004%
32	4.538	4.505	4.551	BV	73	909	0.01%	0.001%
33	4.591	4.551	4.601	VV	117	2192	0.03%	0.002%
34	4.614	4.601	4.633	VV	81	1385	0.02%	0.001%
35	4.670	4.633	4.767	VV	328321	3305972	47.80%	3.022%
36	4.785	4.767	4.825	VV	909	14656	0.21%	0.013%

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37	4.859	4.825	4.878	VV	669	10866	0.16%	0.010%
38	4.922	4.878	4.938	VV	539	10581	0.15%	0.010%
39	4.956	4.938	5.011	VV	980	16431	0.24%	0.015%
40	5.019	5.011	5.073	VV	230	7365	0.11%	0.007%
41	5.096	5.073	5.118	VV	266	6006	0.09%	0.005%
42	5.133	5.118	5.156	VV	269	4770	0.07%	0.004%
43	5.170	5.156	5.251	VV	193	7260	0.10%	0.007%
44	5.262	5.251	5.271	VV	174	1381	0.02%	0.001%
45	5.288	5.271	5.328	VV	255	4253	0.06%	0.004%
46	5.374	5.328	5.408	VV	1844	27537	0.40%	0.025%
47	5.435	5.408	5.451	VV	432	6243	0.09%	0.006%
48	5.464	5.451	5.479	VV	324	2671	0.04%	0.002%
49	5.491	5.479	5.541	VV	187	2715	0.04%	0.002%
50	5.548	5.541	5.647	VV	83	5707	0.08%	0.005%
51	5.675	5.647	5.685	VV	190	2136	0.03%	0.002%
52	5.692	5.685	5.738	VV	126	2475	0.04%	0.002%
53	5.756	5.738	5.791	PV	144	2399	0.03%	0.002%
54	5.810	5.791	5.833	VV	1646	18614	0.27%	0.017%
55	5.853	5.833	5.894	VV	760	10461	0.15%	0.010%
56	5.914	5.894	5.985	VV	258	6208	0.09%	0.006%
57	6.005	5.985	6.028	VV	289	4773	0.07%	0.004%
58	6.072	6.028	6.091	VV	193	4214	0.06%	0.004%
59	6.113	6.091	6.151	VV	246	4891	0.07%	0.004%
60	6.170	6.151	6.191	VV	127	2388	0.03%	0.002%
61	6.202	6.191	6.225	PV	140	1867	0.03%	0.002%
62	6.231	6.225	6.238	VV	107	644	0.01%	0.001%
63	6.245	6.238	6.271	VV	145	1269	0.02%	0.001%
64	6.293	6.271	6.325	VV	141	2951	0.04%	0.003%
65	6.333	6.325	6.338	VV	169	901	0.01%	0.001%
66	6.394	6.338	6.427	VV	517	14571	0.21%	0.013%
67	6.442	6.427	6.468	VV	463	7202	0.10%	0.007%
68	6.488	6.468	6.532	VV	794	13975	0.20%	0.013%
69	6.552	6.532	6.596	VV	659	12234	0.18%	0.011%
70	6.633	6.596	6.671	VV	359	12226	0.18%	0.011%
71	6.675	6.671	6.701	VV	330	3967	0.06%	0.004%
72	6.722	6.701	6.808	VV	272	12440	0.18%	0.011%
73	6.844	6.808	6.915	VV	399740	3985568	57.63%	3.643%
74	6.930	6.915	6.951	VV	898	16776	0.24%	0.015%
75	6.966	6.951	6.979	VV	783	10921	0.16%	0.010%
76	6.998	6.979	7.018	VV	1198	17857	0.26%	0.016%
77	7.035	7.018	7.054	VV	538	9395	0.14%	0.009%
78	7.073	7.054	7.100	VV	512	9888	0.14%	0.009%
79	7.130	7.100	7.155	VV	329	7465	0.11%	0.007%
80	7.178	7.155	7.249	VV	303	12715	0.18%	0.012%
81	7.260	7.249	7.278	VV	273	3065	0.04%	0.003%
82	7.301	7.278	7.336	VV	454	8915	0.13%	0.008%
83	7.355	7.336	7.395	VV	610	14244	0.21%	0.013%
84	7.419	7.395	7.448	VV	541	12776	0.18%	0.012%
85	7.484	7.448	7.512	VV	788	16061	0.23%	0.015%
86	7.527	7.512	7.548	VV	270	5456	0.08%	0.005%
87	7.578	7.548	7.588	VV	292	5506	0.08%	0.005%
88	7.593	7.588	7.623	VV	252	4534	0.07%	0.004%
89	7.649	7.623	7.681	VV	1465	20927	0.30%	0.019%

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90	7.714	7.681	7.741	VV	376	11561	0.17%	0.011%
91	7.759	7.741	7.771	VV	516	6645	0.10%	0.006%
92	7.794	7.771	7.818	VV	2224	28605	0.41%	0.026%
93	7.828	7.818	7.841	VV	330	3620	0.05%	0.003%
94	7.857	7.841	7.873	VV	284	4710	0.07%	0.004%
95	7.887	7.873	7.962	VV	380	7943	0.11%	0.007%
96	7.970	7.962	7.981	VV	130	793	0.01%	0.001%
97	8.059	7.981	8.088	VV	601	8266	0.12%	0.008%
98	8.109	8.088	8.127	VV	94	1793	0.03%	0.002%
99	8.170	8.127	8.183	PV	186	3792	0.05%	0.003%
100	8.223	8.183	8.246	VV	370	7979	0.12%	0.007%
101	8.255	8.246	8.271	VV	294	2850	0.04%	0.003%
102	8.324	8.271	8.344	VV	267	7160	0.10%	0.007%
103	8.370	8.344	8.401	VV	1063	13819	0.20%	0.013%
104	8.427	8.401	8.451	VV	941	11400	0.16%	0.010%
105	8.458	8.451	8.485	VV	203	2839	0.04%	0.003%
106	8.501	8.485	8.515	VV	202	2555	0.04%	0.002%
107	8.536	8.515	8.550	VV	285	4599	0.07%	0.004%
108	8.584	8.550	8.635	VV	1102	24842	0.36%	0.023%
109	8.680	8.635	8.765	VV	454334	4768607	68.95%	4.359%
110	8.775	8.765	8.860	VV	917	34893	0.50%	0.032%
111	8.876	8.860	8.901	VV	502	8762	0.13%	0.008%
112	8.912	8.901	8.964	VV	508	8466	0.12%	0.008%
113	8.975	8.964	8.985	VV	179	1590	0.02%	0.001%
114	9.005	8.985	9.090	VV	1294	34597	0.50%	0.032%
115	9.102	9.090	9.111	VV	456	4746	0.07%	0.004%
116	9.166	9.111	9.205	VV	1116	43615	0.63%	0.040%
117	9.222	9.205	9.267	VV	898	23117	0.33%	0.021%
118	9.284	9.267	9.316	VV	385	7121	0.10%	0.007%
119	9.341	9.316	9.361	VV	356	6073	0.09%	0.006%
120	9.411	9.361	9.485	VV	3276	74322	1.07%	0.068%
121	9.510	9.485	9.565	VV	1797	47821	0.69%	0.044%
122	9.571	9.565	9.582	VV	323	2757	0.04%	0.003%
123	9.596	9.582	9.622	VV	557	7218	0.10%	0.007%
124	9.646	9.622	9.678	VV	328	6066	0.09%	0.006%
125	9.695	9.678	9.713	VV	219	3169	0.05%	0.003%
126	9.752	9.713	9.780	VV	241	5432	0.08%	0.005%
127	9.810	9.780	9.854	VV	464	9612	0.14%	0.009%
128	9.880	9.854	9.918	PV	982	17375	0.25%	0.016%
129	9.931	9.918	9.950	VV	544	7555	0.11%	0.007%
130	9.974	9.950	10.001	VV	518	9205	0.13%	0.008%
131	10.023	10.001	10.050	VV	693	11574	0.17%	0.011%
132	10.071	10.050	10.125	VV	2064	23606	0.34%	0.022%
133	10.132	10.125	10.143	VV	157	1257	0.02%	0.001%
134	10.162	10.143	10.177	VV	240	2915	0.04%	0.003%
135	10.212	10.177	10.255	VV	970	15979	0.23%	0.015%
136	10.294	10.255	10.448	VV	500343	5535972	80.04%	5.060%
137	10.461	10.448	10.488	VV	366	5647	0.08%	0.005%
138	10.520	10.488	10.558	VV	880	12006	0.17%	0.011%
139	10.572	10.558	10.586	VV	184	2382	0.03%	0.002%
140	10.622	10.586	10.635	VV	226	4623	0.07%	0.004%
141	10.643	10.635	10.651	VV	221	1991	0.03%	0.002%

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142	10.688	10.651	10.711	VV	565	12251	0.18%	0.011%
143	10.736	10.711	10.805	VV	811	28663	0.41%	0.026%
144	10.826	10.805	10.865	VV	340	7663	0.11%	0.007%
145	10.933	10.865	10.948	VV	489	14254	0.21%	0.013%
146	10.965	10.948	11.004	VV	805	17884	0.26%	0.016%
147	11.036	11.004	11.075	VV	1428	25882	0.37%	0.024%
148	11.108	11.075	11.125	VV	383	8683	0.13%	0.008%
149	11.163	11.125	11.204	VV	815	20019	0.29%	0.018%
150	11.252	11.204	11.278	VV	462	10715	0.15%	0.010%
151	11.295	11.278	11.312	VV	240	3374	0.05%	0.003%
152	11.319	11.312	11.337	VV	183	2558	0.04%	0.002%
153	11.361	11.337	11.385	VV	597	10112	0.15%	0.009%
154	11.410	11.385	11.421	VV	774	10833	0.16%	0.010%
155	11.434	11.421	11.455	VV	859	13713	0.20%	0.013%
156	11.463	11.455	11.521	VV	826	20318	0.29%	0.019%
157	11.544	11.521	11.579	VV	3084	39000	0.56%	0.036%
158	11.602	11.579	11.636	PV	226	5161	0.07%	0.005%
159	11.672	11.636	11.701	VV	2591	35728	0.52%	0.033%
160	11.743	11.701	11.818	VV	538976	6089083	88.04%	5.566%
161	11.835	11.818	11.925	VV	973	26129	0.38%	0.024%
162	11.935	11.925	11.955	VV	225	2814	0.04%	0.003%
163	11.962	11.955	11.968	VV	200	1584	0.02%	0.001%
164	11.974	11.968	11.995	VV	224	2378	0.03%	0.002%
165	12.039	11.995	12.047	VV	291	5232	0.08%	0.005%
166	12.073	12.047	12.083	VV	345	6321	0.09%	0.006%
167	12.104	12.083	12.117	VV	505	8206	0.12%	0.008%
168	12.135	12.117	12.188	VV	573	16691	0.24%	0.015%
169	12.199	12.188	12.219	VV	575	7490	0.11%	0.007%
170	12.228	12.219	12.245	VV	285	3461	0.05%	0.003%
171	12.263	12.245	12.280	VV	243	3147	0.05%	0.003%
172	12.303	12.280	12.331	VV	167	4425	0.06%	0.004%
173	12.349	12.331	12.374	VV	464	8472	0.12%	0.008%
174	12.411	12.374	12.437	VV	1293	23847	0.34%	0.022%
175	12.458	12.437	12.492	VV	331	7403	0.11%	0.007%
176	12.513	12.492	12.541	VV	240	5105	0.07%	0.005%
177	12.547	12.541	12.601	VV	248	6715	0.10%	0.006%
178	12.633	12.601	12.671	VV	592	14417	0.21%	0.013%
179	12.705	12.671	12.734	VV	414	11662	0.17%	0.011%
180	12.750	12.734	12.765	VV	419	5491	0.08%	0.005%
181	12.783	12.765	12.808	VV	507	9520	0.14%	0.009%
182	12.879	12.808	12.941	VV	1700	46734	0.68%	0.043%
183	12.955	12.941	12.969	VV	285	3661	0.05%	0.003%
184	12.996	12.969	13.021	VV	1197	17222	0.25%	0.016%
185	13.058	13.021	13.160	VV	532806	6271725	90.68%	5.733%
186	13.174	13.160	13.240	VV	515	12465	0.18%	0.011%
187	13.316	13.240	13.368	PV	209	7412	0.11%	0.007%
188	13.419	13.368	13.430	VV	299	6575	0.10%	0.006%
189	13.505	13.430	13.595	VV	365214	4259147	61.58%	3.893%
190	13.614	13.595	13.633	VV	798	13428	0.19%	0.012%
191	13.672	13.633	13.832	VV	513648	6095579	88.13%	5.572%
192	13.887	13.832	13.915	VV	333	11139	0.16%	0.010%
193	13.941	13.915	13.989	VV	386	11565	0.17%	0.011%
194	14.014	13.989	14.030	VV	360	6486	0.09%	0.006%

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195	14.050	14.030	14.074	VV	726	10817	0.16%	0.010%
196	14.101	14.074	14.140	VV	1225	24069	0.35%	0.022%
197	14.161	14.140	14.171	VV	356	4943	0.07%	0.005%
198	14.205	14.171	14.223	VV	1370	20882	0.30%	0.019%
199	14.260	14.223	14.365	VV	474257	5912288	85.48%	5.404%
200	14.388	14.365	14.427	VV	654	12465	0.18%	0.011%
201	14.492	14.427	14.505	VV	356	12831	0.19%	0.012%
202	14.527	14.505	14.541	VV	282	5133	0.07%	0.005%
203	14.546	14.541	14.555	VV	256	1756	0.03%	0.002%
204	14.590	14.555	14.610	VV	275	6642	0.10%	0.006%
205	14.630	14.610	14.651	VV	289	5425	0.08%	0.005%
206	14.695	14.651	14.727	VV	1306	24715	0.36%	0.023%
207	14.776	14.727	14.795	VV	476	12650	0.18%	0.012%
208	14.822	14.795	14.855	VV	1978	28367	0.41%	0.026%
209	14.865	14.855	14.874	VV	188	1868	0.03%	0.002%
210	14.915	14.874	14.925	VV	288	6791	0.10%	0.006%
211	14.947	14.925	15.004	VV	360	9857	0.14%	0.009%
212	15.027	15.004	15.056	VV	250	4275	0.06%	0.004%
213	15.084	15.056	15.094	VV	234	3724	0.05%	0.003%
214	15.143	15.094	15.201	VV	493	16922	0.24%	0.015%
215	15.218	15.201	15.283	VV	337	6229	0.09%	0.006%
216	15.366	15.283	15.501	PV	430440	5534104	80.02%	5.059%
217	15.503	15.501	15.547	VV	242	5058	0.07%	0.005%
218	15.562	15.547	15.608	VV	287	6650	0.10%	0.006%
219	15.614	15.608	15.657	VV	181	3248	0.05%	0.003%
220	15.668	15.657	15.678	VV	123	1262	0.02%	0.001%
221	15.701	15.678	15.728	VV	147	2938	0.04%	0.003%
222	15.765	15.728	15.811	PV	275	7937	0.11%	0.007%
223	15.843	15.811	15.861	VV	453	8137	0.12%	0.007%
224	15.884	15.861	15.951	VV	3261	48619	0.70%	0.044%
225	15.970	15.951	16.005	VV	209	2440	0.04%	0.002%
226	16.027	16.005	16.041	PV	99	1616	0.02%	0.001%
227	16.045	16.041	16.051	VV	96	342	0.00%	0.000%
228	16.063	16.051	16.111	PV	100	2426	0.04%	0.002%
229	16.116	16.111	16.132	VV	131	893	0.01%	0.001%
230	16.147	16.132	16.170	VV	96	1536	0.02%	0.001%
231	16.211	16.170	16.241	PV	251	6152	0.09%	0.006%
232	16.258	16.241	16.304	VV	351	6789	0.10%	0.006%
233	16.389	16.304	16.467	VV	390341	5149262	74.45%	4.707%
234	16.477	16.467	16.501	VV	337	5043	0.07%	0.005%
235	16.519	16.501	16.537	VV	357	5210	0.08%	0.005%
236	16.571	16.537	16.625	VV	259	9519	0.14%	0.009%
237	16.641	16.625	16.665	VV	96	1469	0.02%	0.001%
238	16.700	16.665	16.731	PV	471	8907	0.13%	0.008%
239	16.747	16.731	16.787	VV	228	3845	0.06%	0.004%
240	16.833	16.787	16.845	PV	417	6158	0.09%	0.006%
241	16.870	16.845	16.928	VV	3760	60602	0.88%	0.055%
242	16.962	16.928	16.978	VV	188	4670	0.07%	0.004%
243	17.032	16.978	17.068	VV	328	9352	0.14%	0.009%
244	17.112	17.068	17.128	VV	197	5152	0.07%	0.005%
245	17.169	17.128	17.188	PV	199	5207	0.08%	0.005%
246	17.219	17.188	17.245	VV	461	8261	0.12%	0.008%

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247	17.340	17.245	17.415	VV	383376	4984314	72.07%	4.556%
248	17.420	17.415	17.445	VV	372	4518	0.07%	0.004%
249	17.450	17.445	17.465	VV	256	2195	0.03%	0.002%
250	17.473	17.465	17.478	VV	137	979	0.01%	0.001%
251	17.568	17.478	17.577	VV	88	4888	0.07%	0.004%
252	17.633	17.577	17.650	PV	193	5933	0.09%	0.005%
253	17.678	17.650	17.704	VV	213	3526	0.05%	0.003%
254	17.790	17.704	17.828	PV	4114	68122	0.98%	0.062%
255	17.836	17.828	17.841	VV	129	628	0.01%	0.001%
256	17.876	17.841	17.911	VV	321	6333	0.09%	0.006%
257	18.020	17.911	18.038	PV	208	9123	0.13%	0.008%
258	18.076	18.038	18.089	PV	208	3391	0.05%	0.003%
259	18.119	18.089	18.151	VV	2207	29797	0.43%	0.027%
260	18.230	18.151	18.311	VV	359489	4966291	71.81%	4.539%
261	18.391	18.311	18.401	VV	268	10928	0.16%	0.010%
262	18.437	18.401	18.448	VV	179	4032	0.06%	0.004%
263	18.496	18.448	18.518	PV	226	4278	0.06%	0.004%
264	18.651	18.518	18.691	PV	4634	80607	1.17%	0.074%
265	18.961	18.691	18.979	VV	261	44910	0.65%	0.041%
266	19.064	18.979	19.125	PV	372397	5097179	73.70%	4.659%
267	19.319	19.125	19.335	VV	538	41060	0.59%	0.038%
268	19.460	19.335	19.498	VV	5246	114934	1.66%	0.105%
269	19.619	19.498	19.635	VV	1674	96729	1.40%	0.088%
270	19.850	19.635	19.918	VV	382097	5640705	81.56%	5.156%
271	20.223	19.918	20.252	VV	8769	947864	13.70%	0.866%
272	20.497	20.252	20.516	VV	9342	1119279	16.18%	1.023%
273	20.591	20.516	20.642	VV	377015	6029200	87.17%	5.511%
274	20.859	20.642	20.876	VV	12950	1649351	23.85%	1.508%
275	20.886	20.876	20.890	VV	12664	107588	1.56%	0.098%
276	20.905	20.890	20.913	VV	12722	175618	2.54%	0.161%
277	20.955	20.913	21.015	VV	14181	759655	10.98%	0.694%
278	21.118	21.015	21.236	VV	11759	1488044	21.52%	1.360%
279	21.264	21.236	21.303	VV	10386	404165	5.84%	0.369%
280	21.365	21.303	21.615	VV	298214	6916270	100.00%	6.322%
281	21.626	21.615	21.635	VV	6281	74890	1.08%	0.068%
282	21.675	21.635	21.721	VV	6410	320275	4.63%	0.293%
283	21.735	21.721	21.777	VV	5712	183394	2.65%	0.168%
284	21.820	21.777	21.962	VV	6464	521543	7.54%	0.477%
285	22.059	21.962	22.088	VV	2798	212271	3.07%	0.194%
286	22.129	22.088	22.137	VV	2522	71901	1.04%	0.066%
287	22.147	22.137	22.175	VV	2422	51794	0.75%	0.047%
288	22.185	22.175	22.264	VV	2177	79504	1.15%	0.073%
289	22.345	22.264	22.465	VV	205947	5190736	75.05%	4.745%
Sum of corrected areas:					109401738			

Aliphatic EPH 092425.M Fri Oct 03 02:28:12 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	RCAMSD	SDG No.:	Q3257
Lab Sample ID:	Q3238-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 18:34	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.73		1	0.14	1.00	mg/kg	FE056154.D
Aliphatic C12-C16	Aliphatic C12-C16	4.61		1	0.11	0.67	mg/kg	FE056154.D
Aliphatic C16-C21	Aliphatic C16-C21	9.31		1	0.13	1.00	mg/kg	FE056154.D
Aliphatic C21-C28	Aliphatic C21-C28	9.97		1	0.53	1.33	mg/kg	FE056154.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.18	2.00	mg/kg	FE056154.D
Aromatic C10-C12	Aromatic C10-C12	4.16		1	0.12	0.67	mg/kg	FD049805.D
Aromatic C12-C16	Aromatic C12-C16	8.60		1	0.23	1.00	mg/kg	FD049805.D
Aromatic C16-C21	Aromatic C16-C21	14.9		1	0.40	1.66	mg/kg	FD049805.D
Aromatic C21-C36	Aromatic C21-C36	23.0		1	1.19	2.66	mg/kg	FD049805.D
Total AliphaticEPH	Total AliphaticEPH	49.9			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.7			1.94	5.98	mg/kg	
Total EPH	Total EPH	101			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:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	RCAMSD	SDG No.:	Q3257
Lab Sample ID:	Q3238-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049805.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.16		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.60		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.9		0.40	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.0		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.9		40 - 140	82%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	41.7		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3238-01MSD	Acq On:	02 Oct 2025 20:19
Client Sample ID:	RCAMSD	Operator:	YP/AJ
Data file:	FD049805.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	7671808	62.479	200	ug/ml
Aromatic C12-C16	6.132	8.759	18532916	129.277	300	ug/ml
Aromatic C16-C21	8.760	13.049	31731837	223.194	500	ug/ml
Aromatic C21-C36	13.050	18.468	42829413	345.896	800	ug/ml
Aromatic EPH	4.389	18.468	100765974	760.846		ug/ml
ortho-Terphenyl (SURR)	11.608	11.608	3851203	25.8		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4860590	40.91		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3538469	41.68		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049805.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 20:19
 Operator : YP/AJ
 Sample : Q3238-01MSD
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 RCAMSD

Integration File: autoint1.e
 Quant Time: Oct 03 06:18:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.697	4860590	40.909 ug/ml
Spiked Amount 50.000		Recovery =	81.82%
6) S 2-Fluorobiphenyl (SURR)	8.562	3538469	41.678 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.36%
11) S ortho-Terphenyl (SURR)	11.608	3851203	25.798 ug/ml
Spiked Amount 50.000		Recovery =	51.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	3109195	27.359 ug/ml
2) T Naphthalene (C11.7)	6.031	3816811	28.929 ug/ml
3) T 2-Methylnaphthalene (...)	7.086	3963883	28.649 ug/ml
5) T Acenaphthylene (C15.06)	8.365	4635551	31.728 ug/ml
7) T Acenaphthene (C15.5)	8.662	4773325	32.781 ug/ml
8) T Flouorene (C16.55)	9.443	5038675	34.503 ug/ml
9) T Phenanthrene (C19.36)	10.841	5370590	36.739 ug/ml
10) T Anthracene (C19.43)	10.917	5323970	39.178 ug/ml
12) T Fluoranthene (C21.85)	12.657	5429552	38.111 ug/ml
13) T Pyrene (C20.8)	12.955	5441389	38.708 ug/ml
14) T Benzo[a]anthracene (C...	14.827	4962832	39.460 ug/ml
15) T Chrysene (C27.41)	14.870	5526610	43.018 ug/ml
16) T benzo[b]fluoranthene ...	16.378	4789515	38.449 ug/ml
17) T Bnezo[k]fluoranthene ...	16.413	4723060	40.208 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.757	4526802	37.301 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.123	4837357	43.022 ug/ml
20) T Dibenz[a,h]anthracene...	18.162	4451953	36.414 ug/ml
21) T Benzo[g,h,i]perylene ...	18.379	4444424	37.159 ug/ml

(f)=RT Delta > 1/2 Window

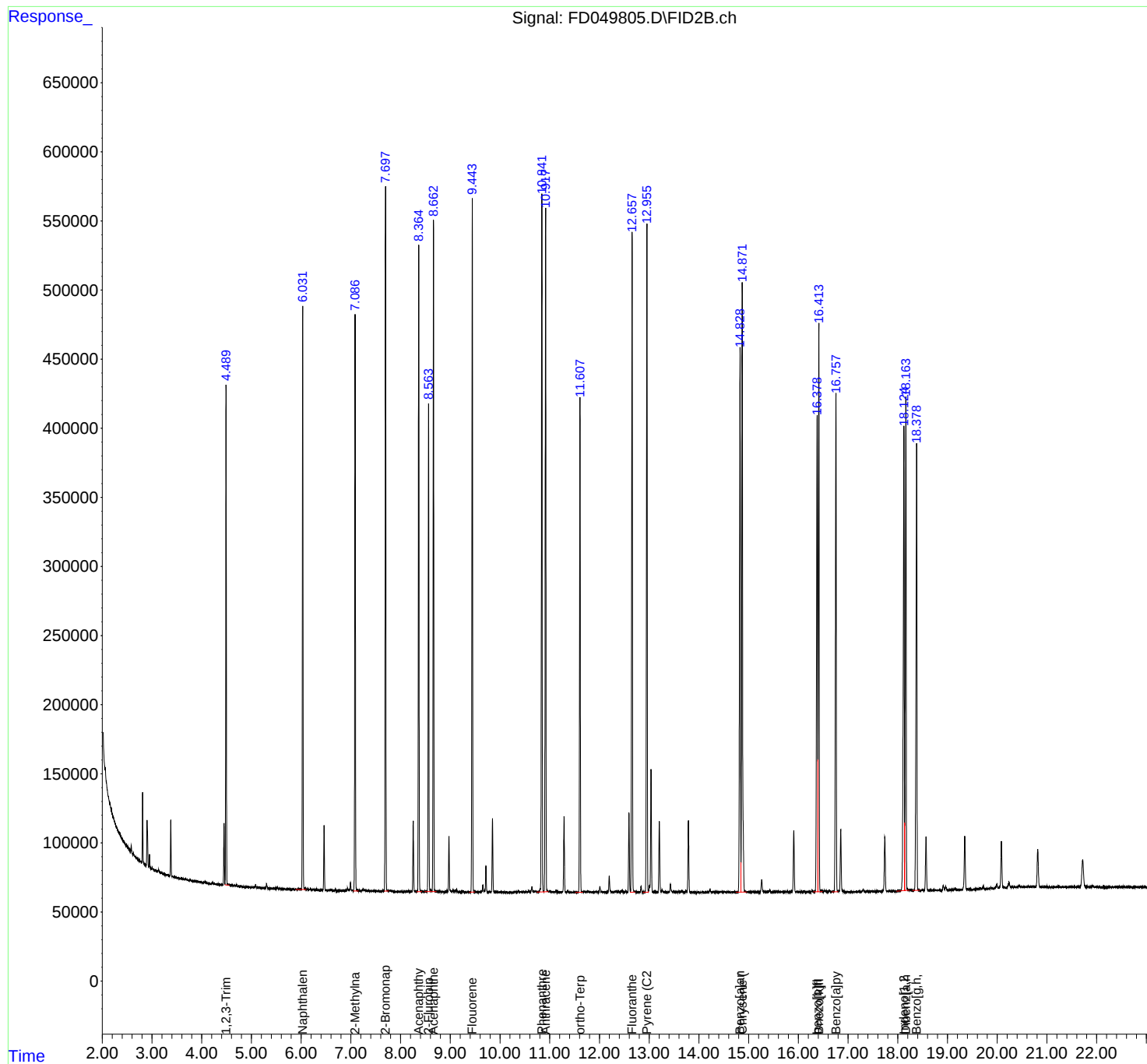
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049805.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 20:19
Operator : YP/AJ
Sample : Q3238-01MSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
RCAMSD

Integration File: autoint1.e
Quant Time: Oct 03 06:18:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
Quant Title : GC Extractables
QLast Update : Thu Oct 02 17:50:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049805.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 20:19
 Sample : Q3238-01MSD
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.319	4.314	4.351	PV	202	2231	0.04%	0.002%
2	4.355	4.351	4.365	VV	183	1024	0.02%	0.001%
3	4.370	4.365	4.392	VV	266	2478	0.04%	0.002%
4	4.402	4.392	4.423	VV	349	3879	0.07%	0.004%
5	4.449	4.423	4.468	PV	44987	401649	7.22%	0.367%
6	4.489	4.468	4.537	VV	363033	3122439	56.13%	2.851%
7	4.545	4.537	4.582	VV	796	14179	0.25%	0.013%
8	4.599	4.582	4.606	VV	862	8619	0.15%	0.008%
9	4.619	4.606	4.648	VV	1108	14606	0.26%	0.013%
10	4.674	4.648	4.688	VV	912	11327	0.20%	0.010%
11	4.702	4.688	4.745	VV	1420	16433	0.30%	0.015%
12	4.750	4.745	4.777	VV	285	3161	0.06%	0.003%
13	4.792	4.777	4.810	VV	476	6159	0.11%	0.006%
14	4.819	4.815	4.857	VV	439	4410	0.08%	0.004%
15	4.891	4.857	4.934	VV	441	10751	0.19%	0.010%
16	4.950	4.944	4.972	VV	169	1674	0.03%	0.002%
17	4.977	4.972	4.989	VV	267	1696	0.03%	0.002%
18	5.001	4.989	5.025	VV	263	4515	0.08%	0.004%
19	5.030	5.025	5.036	VV	244	1328	0.02%	0.001%
20	5.052	5.036	5.066	VV	720	8173	0.15%	0.007%
21	5.083	5.066	5.107	VV	2559	28105	0.51%	0.026%
22	5.111	5.107	5.120	VV	168	1082	0.02%	0.001%
23	5.141	5.120	5.157	VV	672	8382	0.15%	0.008%
24	5.165	5.157	5.179	VV	350	3382	0.06%	0.003%
25	5.184	5.179	5.214	VV	327	3847	0.07%	0.004%
26	5.220	5.214	5.257	VV	240	3453	0.06%	0.003%
27	5.271	5.257	5.288	VV	386	4530	0.08%	0.004%
28	5.304	5.288	5.349	VV	3428	38290	0.69%	0.035%
29	5.359	5.349	5.399	PV	269	4892	0.09%	0.004%
30	5.404	5.399	5.435	VV	188	3656	0.07%	0.003%
31	5.452	5.435	5.472	VV	478	6542	0.12%	0.006%
32	5.485	5.472	5.500	VV	859	8142	0.15%	0.007%
33	5.523	5.500	5.555	VV	1153	17344	0.31%	0.016%
34	5.560	5.555	5.568	VV	369	2133	0.04%	0.002%
35	5.575	5.568	5.598	VV	393	4720	0.08%	0.004%
36	5.610	5.598	5.635	PV	206	3592	0.06%	0.003%

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37	5.643	5.635	5.660	VV	356	3315	0.06%	0.003%
38	5.666	5.660	5.691	VV	340	3898	0.07%	0.004%
39	5.704	5.691	5.710	VV	157	1503	0.03%	0.001%
40	5.714	5.710	5.719	VV	245	1116	0.02%	0.001%
41	5.730	5.719	5.762	VV	449	5823	0.10%	0.005%
42	5.773	5.762	5.800	VV	354	4308	0.08%	0.004%
43	5.824	5.800	5.829	VV	387	3649	0.07%	0.003%
44	5.834	5.829	5.855	VV	297	2697	0.05%	0.002%
45	5.883	5.878	5.891	VV	274	1196	0.02%	0.001%
46	5.898	5.891	5.917	VV	180	2005	0.04%	0.002%
47	5.945	5.917	5.961	VV	545	7970	0.14%	0.007%
48	5.983	5.961	5.997	VV	513	7390	0.13%	0.007%
49	6.032	5.997	6.071	VV	422572	3820047	68.67%	3.488%
50	6.080	6.071	6.109	VV	1176	17366	0.31%	0.016%
51	6.123	6.109	6.144	VV	887	12435	0.22%	0.011%
52	6.150	6.144	6.168	VV	427	4696	0.08%	0.004%
53	6.185	6.168	6.203	VV	802	11137	0.20%	0.010%
54	6.211	6.203	6.215	VV	383	2369	0.04%	0.002%
55	6.219	6.215	6.232	VV	453	3016	0.05%	0.003%
56	6.243	6.232	6.296	VV	412	9737	0.18%	0.009%
57	6.312	6.296	6.336	VV	761	10068	0.18%	0.009%
58	6.341	6.336	6.348	VV	254	1325	0.02%	0.001%
59	6.354	6.348	6.364	VV	395	2335	0.04%	0.002%
60	6.370	6.364	6.377	VV	249	1111	0.02%	0.001%
61	6.392	6.377	6.434	VV	309	7967	0.14%	0.007%
62	6.462	6.434	6.512	VV	47190	468492	8.42%	0.428%
63	6.526	6.512	6.541	VV	485	6458	0.12%	0.006%
64	6.549	6.541	6.570	VV	527	5769	0.10%	0.005%
65	6.580	6.570	6.601	VV	594	8267	0.15%	0.008%
66	6.612	6.601	6.637	VV	753	8774	0.16%	0.008%
67	6.641	6.637	6.645	VV	241	1247	0.02%	0.001%
68	6.648	6.645	6.663	VV	342	2334	0.04%	0.002%
69	6.684	6.672	6.706	VV	586	6179	0.11%	0.006%
70	6.716	6.706	6.737	VV	223	2757	0.05%	0.003%
71	6.750	6.737	6.762	VV	174	1973	0.04%	0.002%
72	6.787	6.762	6.802	PV	370	5068	0.09%	0.005%
73	6.821	6.802	6.854	VV	397	7580	0.14%	0.007%
74	6.858	6.854	6.878	VV	302	3719	0.07%	0.003%
75	6.884	6.878	6.889	VV	283	1724	0.03%	0.002%
76	6.905	6.889	6.915	VV	580	6690	0.12%	0.006%
77	6.933	6.915	6.949	VV	2393	25560	0.46%	0.023%
78	6.956	6.949	6.970	VV	945	9775	0.18%	0.009%
79	6.993	6.970	7.044	VV	6381	77176	1.39%	0.070%
80	7.086	7.044	7.180	VV	415911	3981346	71.57%	3.635%
81	7.194	7.180	7.204	VV	439	4013	0.07%	0.004%
82	7.222	7.204	7.232	VV	1050	10956	0.20%	0.010%
83	7.246	7.232	7.262	VV	1650	20079	0.36%	0.018%
84	7.279	7.262	7.295	VV	1341	17767	0.32%	0.016%
85	7.303	7.295	7.335	VV	916	12760	0.23%	0.012%
86	7.354	7.335	7.368	VV	873	10063	0.18%	0.009%
87	7.385	7.368	7.403	VV	856	10113	0.18%	0.009%
88	7.415	7.403	7.427	VV	326	3428	0.06%	0.003%
89	7.447	7.427	7.452	VV	638	6363	0.11%	0.006%

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90	7.456	7.452	7.463	VV	563	3095	0.06%	0.003%
91	7.474	7.463	7.502	VV	653	7032	0.13%	0.006%
92	7.507	7.502	7.512	VV	283	1152	0.02%	0.001%
93	7.526	7.520	7.532	VV	265	1504	0.03%	0.001%
94	7.544	7.532	7.552	VV	392	3726	0.07%	0.003%
95	7.563	7.552	7.577	VV	555	5117	0.09%	0.005%
96	7.597	7.577	7.607	VV	449	5358	0.10%	0.005%
97	7.643	7.607	7.666	VV	925	19580	0.35%	0.018%
98	7.697	7.666	7.749	VV	509767	4885160	87.82%	4.460%
99	7.756	7.749	7.778	VV	697	10564	0.19%	0.010%
100	7.792	7.778	7.814	VV	973	17217	0.31%	0.016%
101	7.820	7.814	7.835	VV	646	6400	0.12%	0.006%
102	7.840	7.835	7.884	VV	553	8885	0.16%	0.008%
103	7.901	7.884	7.905	VV	151	1098	0.02%	0.001%
104	7.921	7.905	7.935	VV	280	1748	0.03%	0.002%
105	7.952	7.935	7.965	VV	466	4315	0.08%	0.004%
106	7.970	7.965	8.000	PV	225	2872	0.05%	0.003%
107	8.006	8.000	8.012	VV	335	2105	0.04%	0.002%
108	8.017	8.012	8.041	VV	278	4283	0.08%	0.004%
109	8.046	8.041	8.065	VV	312	2932	0.05%	0.003%
110	8.068	8.065	8.077	VV	210	1290	0.02%	0.001%
111	8.089	8.077	8.104	VV	303	3013	0.05%	0.003%
112	8.112	8.104	8.120	VV	206	1392	0.03%	0.001%
113	8.126	8.120	8.131	VV	317	1677	0.03%	0.002%
114	8.159	8.131	8.180	VV	665	14253	0.26%	0.013%
115	8.190	8.180	8.199	VV	419	3698	0.07%	0.003%
116	8.221	8.199	8.226	VV	374	4808	0.09%	0.004%
117	8.254	8.226	8.287	VV	51417	529064	9.51%	0.483%
118	8.291	8.287	8.299	VV	487	3011	0.05%	0.003%
119	8.304	8.299	8.317	VV	336	3521	0.06%	0.003%
120	8.324	8.317	8.332	VV	436	3187	0.06%	0.003%
121	8.365	8.332	8.441	VV	468042	4660308	83.78%	4.255%
122	8.443	8.441	8.468	VV	550	7101	0.13%	0.006%
123	8.486	8.468	8.527	VV	654	13615	0.24%	0.012%
124	8.563	8.527	8.605	VV	352338	3563899	64.07%	3.254%
125	8.615	8.605	8.633	VV	1543	19903	0.36%	0.018%
126	8.662	8.633	8.696	VV	486084	4789498	86.10%	4.373%
127	8.702	8.696	8.730	VV	812	14251	0.26%	0.013%
128	8.735	8.730	8.738	VV	526	2394	0.04%	0.002%
129	8.744	8.738	8.749	VV	630	3859	0.07%	0.004%
130	8.762	8.749	8.792	VV	650	12682	0.23%	0.012%
131	8.809	8.792	8.841	VV	657	10990	0.20%	0.010%
132	8.859	8.841	8.872	VV	340	4995	0.09%	0.005%
133	8.880	8.872	8.895	VV	406	4151	0.07%	0.004%
134	8.905	8.895	8.918	VV	473	5500	0.10%	0.005%
135	8.933	8.918	8.947	VV	1242	15660	0.28%	0.014%
136	8.973	8.947	9.016	VV	40618	418675	7.53%	0.382%
137	9.021	9.016	9.040	VV	906	11019	0.20%	0.010%
138	9.055	9.040	9.079	VV	2070	28779	0.52%	0.026%
139	9.086	9.079	9.106	VV	1444	17705	0.32%	0.016%
140	9.126	9.106	9.158	VV	1990	31754	0.57%	0.029%
141	9.164	9.158	9.190	VV	507	5664	0.10%	0.005%

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142	9.194	9.190	9.199	VV	289	1095	0.02%	0.001%
143	9.212	9.199	9.227	VV	498	5860	0.11%	0.005%
144	9.261	9.227	9.280	VV	856	16632	0.30%	0.015%
145	9.291	9.280	9.295	VV	317	2528	0.05%	0.002%
146	9.301	9.295	9.330	VV	466	5636	0.10%	0.005%
147	9.339	9.330	9.345	PV	218	1247	0.02%	0.001%
148	9.360	9.345	9.408	VV	408	11466	0.21%	0.010%
149	9.443	9.408	9.510	VV	504828	5064643	91.05%	4.624%
150	9.521	9.510	9.560	VV	737	14991	0.27%	0.014%
151	9.579	9.560	9.615	VV	641	16246	0.29%	0.015%
152	9.655	9.615	9.675	VV	5743	74246	1.33%	0.068%
153	9.687	9.675	9.697	VV	1572	16763	0.30%	0.015%
154	9.717	9.697	9.750	VV	19330	203310	3.65%	0.186%
155	9.767	9.750	9.782	VV	573	9752	0.18%	0.009%
156	9.790	9.782	9.809	VV	758	8511	0.15%	0.008%
157	9.849	9.809	9.909	VV	53636	594368	10.69%	0.543%
158	9.930	9.909	9.974	VV	622	17921	0.32%	0.016%
159	9.997	9.974	10.040	VV	481	14460	0.26%	0.013%
160	10.051	10.040	10.115	VV	392	12677	0.23%	0.012%
161	10.128	10.115	10.144	VV	567	3975	0.07%	0.004%
162	10.152	10.144	10.161	PV	217	1677	0.03%	0.002%
163	10.178	10.161	10.193	VV	327	4144	0.07%	0.004%
164	10.211	10.193	10.234	VV	373	5432	0.10%	0.005%
165	10.244	10.234	10.263	VV	386	4812	0.09%	0.004%
166	10.277	10.263	10.290	VV	440	5418	0.10%	0.005%
167	10.306	10.290	10.316	VV	461	6407	0.12%	0.006%
168	10.327	10.316	10.340	VV	507	6036	0.11%	0.006%
169	10.370	10.340	10.390	VV	1280	20965	0.38%	0.019%
170	10.409	10.390	10.424	VV	773	12232	0.22%	0.011%
171	10.440	10.424	10.450	VV	643	7830	0.14%	0.007%
172	10.469	10.450	10.510	VV	844	22785	0.41%	0.021%
173	10.521	10.510	10.539	VV	706	11019	0.20%	0.010%
174	10.567	10.539	10.611	VV	895	30367	0.55%	0.028%
175	10.642	10.611	10.665	VV	4445	64090	1.15%	0.059%
176	10.682	10.665	10.705	VV	1055	20357	0.37%	0.019%
177	10.719	10.705	10.762	VV	973	22498	0.40%	0.021%
178	10.841	10.762	10.881	VV	507678	5413098	97.31%	4.942%
179	10.917	10.881	10.980	VV	495788	5367961	96.50%	4.901%
180	10.991	10.980	11.059	VV	1141	36217	0.65%	0.033%
181	11.067	11.059	11.080	VV	529	5936	0.11%	0.005%
182	11.094	11.080	11.107	VV	704	9917	0.18%	0.009%
183	11.127	11.107	11.193	VV	1686	34995	0.63%	0.032%
184	11.220	11.193	11.239	VV	803	13057	0.23%	0.012%
185	11.288	11.239	11.333	VV	55384	630968	11.34%	0.576%
186	11.364	11.333	11.411	VV	1435	24618	0.44%	0.022%
187	11.444	11.411	11.465	VV	401	8697	0.16%	0.008%
188	11.484	11.465	11.529	VV	485	11890	0.21%	0.011%
189	11.538	11.529	11.552	VV	313	2806	0.05%	0.003%
190	11.608	11.552	11.670	VV	357976	3878316	69.72%	3.541%
191	11.704	11.670	11.725	VV	957	20524	0.37%	0.019%
192	11.741	11.725	11.754	VV	769	10437	0.19%	0.010%
193	11.770	11.754	11.806	VV	856	21308	0.38%	0.019%
194	11.817	11.806	11.850	VV	716	12594	0.23%	0.011%

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195	11.890	11.850	11.909	VV	621	15168	0.27%	0.014%
196	11.953	11.909	11.980	VV	724	22518	0.40%	0.021%
197	12.008	11.980	12.035	VV	4508	59165	1.06%	0.054%
198	12.042	12.035	12.074	VV	676	10951	0.20%	0.010%
199	12.091	12.074	12.107	VV	449	7235	0.13%	0.007%
200	12.121	12.107	12.131	VV	484	5544	0.10%	0.005%
201	12.196	12.131	12.270	VV	12121	182246	3.28%	0.166%
202	12.283	12.270	12.298	VV	724	8820	0.16%	0.008%
203	12.313	12.298	12.352	VV	835	21390	0.38%	0.020%
204	12.382	12.352	12.413	VV	880	23079	0.41%	0.021%
205	12.458	12.413	12.499	VV	1708	41898	0.75%	0.038%
206	12.534	12.499	12.558	VV	1052	19412	0.35%	0.018%
207	12.594	12.558	12.621	VV	57764	673627	12.11%	0.615%
208	12.657	12.621	12.767	VV	478942	5470996	98.35%	4.995%
209	12.774	12.767	12.802	VV	498	8289	0.15%	0.008%
210	12.837	12.802	12.863	VV	4630	57955	1.04%	0.053%
211	12.872	12.863	12.909	VV	432	8686	0.16%	0.008%
212	12.955	12.909	12.983	VV	485499	5458649	98.13%	4.983%
213	13.006	12.983	13.013	VV	5336	59773	1.07%	0.055%
214	13.038	13.013	13.075	VV	89217	1041443	18.72%	0.951%
215	13.087	13.075	13.120	VV	797	16082	0.29%	0.015%
216	13.132	13.120	13.149	VV	563	8877	0.16%	0.008%
217	13.159	13.149	13.171	VV	543	5579	0.10%	0.005%
218	13.204	13.171	13.238	VV	51203	636101	11.44%	0.581%
219	13.258	13.238	13.314	VV	2325	43210	0.78%	0.039%
220	13.323	13.314	13.345	VV	569	7218	0.13%	0.007%
221	13.428	13.345	13.549	VV	6464	135182	2.43%	0.123%
222	13.556	13.549	13.572	VV	412	6173	0.11%	0.006%
223	13.600	13.572	13.627	VV	571	16626	0.30%	0.015%
224	13.664	13.627	13.692	VV	1325	32846	0.59%	0.030%
225	13.703	13.692	13.717	VV	580	7387	0.13%	0.007%
226	13.740	13.717	13.758	VV	1594	22384	0.40%	0.020%
227	13.789	13.758	13.843	VV	52034	635809	11.43%	0.580%
228	13.850	13.843	13.877	VV	402	5169	0.09%	0.005%
229	13.890	13.877	13.900	VV	354	3740	0.07%	0.003%
230	13.911	13.900	13.940	VV	554	7262	0.13%	0.007%
231	13.952	13.940	13.964	PV	300	2812	0.05%	0.003%
232	14.005	13.964	14.022	VV	369	9541	0.17%	0.009%
233	14.029	14.022	14.037	VV	331	2258	0.04%	0.002%
234	14.061	14.037	14.070	VV	480	6898	0.12%	0.006%
235	14.079	14.070	14.112	VV	479	7871	0.14%	0.007%
236	14.128	14.112	14.152	VV	354	6472	0.12%	0.006%
237	14.223	14.152	14.255	VV	2784	51478	0.93%	0.047%
238	14.300	14.255	14.315	VV	666	14371	0.26%	0.013%
239	14.360	14.315	14.382	VV	588	17357	0.31%	0.016%
240	14.398	14.382	14.408	VV	402	5438	0.10%	0.005%
241	14.429	14.408	14.438	VV	582	8574	0.15%	0.008%
242	14.453	14.438	14.482	VV	746	15081	0.27%	0.014%
243	14.511	14.482	14.532	VV	658	14798	0.27%	0.014%
244	14.559	14.532	14.624	VV	671	21487	0.39%	0.020%
245	14.631	14.624	14.644	VV	456	4827	0.09%	0.004%
246	14.664	14.644	14.680	VV	518	9271	0.17%	0.008%

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247	14.705	14.680	14.715	VV	618	9741	0.18%	0.009%
248	14.729	14.715	14.765	VV	471	11496	0.21%	0.010%
249	14.827	14.765	14.847	VV	391454	4980116	89.53%	4.547%
250	14.871	14.847	14.977	VV	440363	5562557	100.00%	5.078%
251	14.985	14.977	15.015	VV	530	9601	0.17%	0.009%
252	15.058	15.015	15.167	VV	679	38916	0.70%	0.036%
253	15.178	15.167	15.204	VV	428	6739	0.12%	0.006%
254	15.211	15.204	15.219	VV	285	2685	0.05%	0.002%
255	15.263	15.219	15.299	VV	9460	149086	2.68%	0.136%
256	15.308	15.299	15.391	VV	853	32021	0.58%	0.029%
257	15.426	15.391	15.465	VV	1726	34599	0.62%	0.032%
258	15.536	15.465	15.553	VV	530	19909	0.36%	0.018%
259	15.568	15.553	15.586	VV	523	9069	0.16%	0.008%
260	15.591	15.586	15.602	VV	408	4035	0.07%	0.004%
261	15.631	15.602	15.641	VV	569	10384	0.19%	0.009%
262	15.677	15.641	15.717	VV	611	19020	0.34%	0.017%
263	15.734	15.717	15.759	VV	743	13599	0.24%	0.012%
264	15.776	15.759	15.809	VV	681	13725	0.25%	0.013%
265	15.815	15.809	15.824	VV	391	2703	0.05%	0.002%
266	15.844	15.824	15.851	VV	521	6781	0.12%	0.006%
267	15.865	15.851	15.877	VV	773	9026	0.16%	0.008%
268	15.909	15.877	15.945	VV	44781	587303	10.56%	0.536%
269	15.965	15.945	16.006	VV	520	15006	0.27%	0.014%
270	16.014	16.006	16.034	VV	312	4975	0.09%	0.005%
271	16.051	16.034	16.059	VV	588	6597	0.12%	0.006%
272	16.066	16.059	16.085	VV	492	6012	0.11%	0.005%
273	16.106	16.085	16.175	VV	604	20192	0.36%	0.018%
274	16.181	16.175	16.190	VV	346	2381	0.04%	0.002%
275	16.197	16.190	16.205	VV	363	2661	0.05%	0.002%
276	16.224	16.205	16.235	VV	292	4905	0.09%	0.004%
277	16.274	16.235	16.327	VV	1246	30938	0.56%	0.028%
278	16.378	16.327	16.394	VV	346081	4804371	86.37%	4.386%
279	16.413	16.394	16.450	VV	408022	4737593	85.17%	4.325%
280	16.469	16.450	16.501	VV	1218	26303	0.47%	0.024%
281	16.522	16.501	16.597	VV	1363	45130	0.81%	0.041%
282	16.623	16.597	16.667	VV	1680	31446	0.57%	0.029%
283	16.692	16.667	16.710	VV	564	10803	0.19%	0.010%
284	16.757	16.710	16.797	VV	361157	4549418	81.79%	4.153%
285	16.854	16.797	16.887	VV	45533	615378	11.06%	0.562%
286	16.903	16.887	16.957	VV	1490	27862	0.50%	0.025%
287	16.965	16.957	16.979	VV	292	2742	0.05%	0.003%
288	16.990	16.979	17.005	VV	342	2381	0.04%	0.002%
289	17.051	17.005	17.096	PV	320	8860	0.16%	0.008%
290	17.145	17.096	17.190	PV	401	14259	0.26%	0.013%
291	17.212	17.190	17.249	VV	642	15251	0.27%	0.014%
292	17.304	17.249	17.345	VV	1843	37435	0.67%	0.034%
293	17.365	17.345	17.373	VV	425	5301	0.10%	0.005%
294	17.392	17.373	17.405	VV	407	6672	0.12%	0.006%
295	17.413	17.405	17.435	VV	491	6608	0.12%	0.006%
296	17.456	17.435	17.474	VV	504	8027	0.14%	0.007%
297	17.480	17.474	17.519	VV	436	7389	0.13%	0.007%
298	17.525	17.519	17.534	VV	242	2117	0.04%	0.002%
299	17.596	17.534	17.620	VV	419	12659	0.23%	0.012%

					rteres				
300	17.630	17.620	17.659	VV	525	6364	0.11%	0.006%	
301	17.739	17.659	17.799	VV	39616	565879	10.17%	0.517%	
302	17.828	17.799	17.857	VV	559	11532	0.21%	0.011%	
303	17.889	17.857	17.945	VV	467	11436	0.21%	0.010%	
304	17.969	17.945	17.989	PV	197	3373	0.06%	0.003%	
305	18.024	17.989	18.040	VV	433	8654	0.16%	0.008%	
306	18.051	18.040	18.058	VV	292	3001	0.05%	0.003%	
307	18.123	18.058	18.139	VV	336060	4835654	86.93%	4.415%	
308	18.162	18.139	18.233	VV	356467	4497844	80.86%	4.106%	
309	18.248	18.233	18.310	VV	837	22124	0.40%	0.020%	
310	18.379	18.310	18.467	VV	324724	4470590	80.37%	4.081%	

Sum of corrected areas: 109535184

Aromatic EPH 100225.M Fri Oct 03 06:52:26 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	RCAMSD	SDG No.:	Q3257
Lab Sample ID:	Q3238-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056154.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.73		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.61		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.31		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.97		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3238-01MSD	Acq On:	02 Oct 2025 18:34
Client Sample ID:	RCAMSD	Operator:	YP\AJ
Data file:	FE056154.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	3.311	6.945	9950514	71.061	300	ug/ml
Aliphatic C12-C16	6.946	10.395	10624570	69.271	200	ug/ml
Aliphatic C16-C21	10.396	13.772	23198627	139.852	300	ug/ml
Aliphatic C21-C28	13.773	17.442	22254021	149.831	400	ug/ml
Aliphatic C28-C40	17.443	22.448	43527930	319.467	600	ug/ml
Aliphatic EPH	3.311	22.448	109555662	749.482		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4297189	30.79		ug/ml
Aliphatic C9-C28	3.311	17.442	66027732	430.015	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056154.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 18:34
 Operator : YP\AJ
 Sample : Q3238-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 RCAMSD

Integration File: autoint1.e
 Quant Time: Oct 03 01:00:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.505	4297189	30.790 ug/ml
Spiked Amount 50.000		Recovery =	61.58%
Target Compounds			
1) T n-Nonane (C9)	3.411	2490975	18.183 ug/ml
2) T n-Decane (C10)	4.669	3102635	22.231 ug/ml
4) T n-Dodecane (C12)	6.844	3754600	26.159 ug/ml
6) T n-Tetradecane (C14)	8.679	4524131	30.600 ug/ml
7) T n-Hexadecane (C16)	10.294	5294721	33.319 ug/ml
8) T n-Octadecane (C18)	11.742	5943001	35.086 ug/ml
10) T n-Eicosane (C20)	13.057	6197406	37.387 ug/ml
11) T n-Heneicosane (C21)	13.671	6029106	37.104 ug/ml
13) T n-Docosane (C22)	14.259	5898325	36.913 ug/ml
14) T n-Tetracosane (C24)	15.365	5541202	36.364 ug/ml
15) T n-Hexacosane (C26)	16.388	5164417	36.208 ug/ml
16) T n-Octacosane (C28)	17.340	5062014	36.337 ug/ml
17) T n-Tricontane (C30)	18.229	4970337	33.542 ug/ml
18) T n-Dotriacontane (C32)	19.063	5100611	34.187 ug/ml
19) T n-Tetratriacontane (C34)	19.848	5271615	37.268 ug/ml
20) T n-Hexatriacontane (C36)	20.589	5327218	41.499 ug/ml
21) T n-Octatriacontane (C38)	21.363	5425902	41.311 ug/ml
22) T n-Tetracontane (C40)	22.345	5268536	44.286 ug/ml

(f)=RT Delta > 1/2 Window

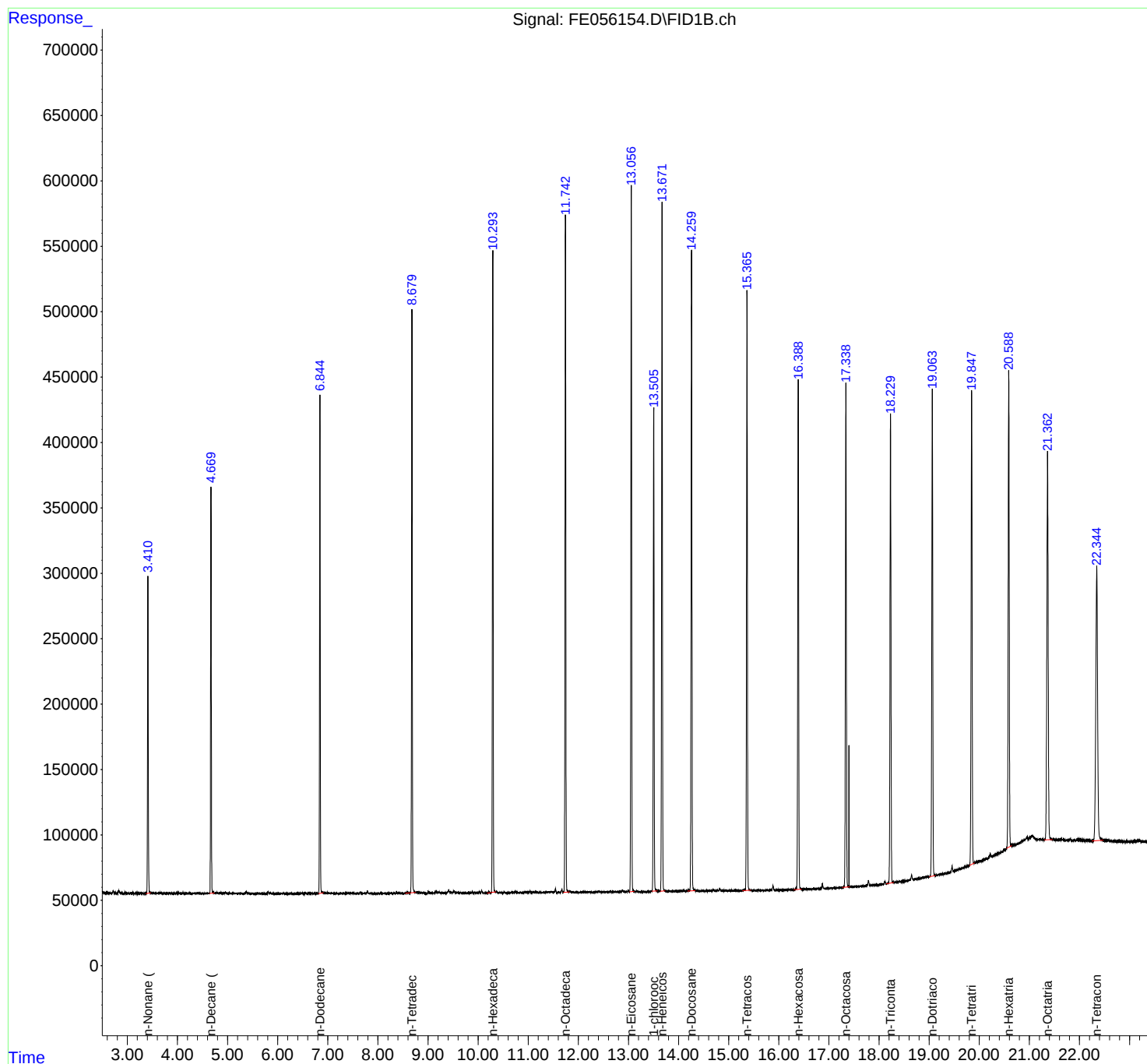
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056154.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 18:34
Operator : YP\AJ
Sample : Q3238-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
RCAMSD

Integration File: autoint1.e
Quant Time: Oct 03 01:00:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056154.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 18:34
 Sample : Q3238-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.827	2.804	2.868	BV	1845	30609	0.42%	0.028%
2	2.883	2.868	2.922	VV	534	7424	0.10%	0.007%
3	2.949	2.922	3.036	PV	660	8992	0.12%	0.008%
4	3.048	3.036	3.070	VV	165	1192	0.02%	0.001%
5	3.105	3.070	3.136	PV	1010	11639	0.16%	0.011%
6	3.153	3.136	3.164	PV	105	1317	0.02%	0.001%
7	3.191	3.164	3.214	VV	283	5110	0.07%	0.005%
8	3.221	3.214	3.264	VV	196	3899	0.05%	0.004%
9	3.277	3.264	3.329	VV	201	6220	0.08%	0.006%
10	3.411	3.329	3.508	VV	242360	2519144	34.41%	2.298%
11	3.532	3.508	3.547	VV	367	7439	0.10%	0.007%
12	3.558	3.547	3.606	VV	374	11334	0.15%	0.010%
13	3.625	3.606	3.638	VV	401	5600	0.08%	0.005%
14	3.657	3.638	3.671	VV	397	6365	0.09%	0.006%
15	3.675	3.671	3.688	VV	342	2672	0.04%	0.002%
16	3.695	3.688	3.704	VV	305	2549	0.03%	0.002%
17	3.747	3.704	3.771	VV	389	11611	0.16%	0.011%
18	3.803	3.771	3.844	VV	327	10615	0.14%	0.010%
19	3.858	3.844	3.888	VV	261	5444	0.07%	0.005%
20	4.002	3.888	4.081	VV	322	19267	0.26%	0.018%
21	4.104	4.081	4.174	VV	241	9430	0.13%	0.009%
22	4.208	4.174	4.228	VV	474	8102	0.11%	0.007%
23	4.242	4.228	4.298	VV	681	11251	0.15%	0.010%
24	4.317	4.298	4.347	VV	360	6502	0.09%	0.006%
25	4.407	4.347	4.464	VV	534	20483	0.28%	0.019%
26	4.481	4.464	4.538	VV	288	9086	0.12%	0.008%
27	4.590	4.538	4.641	VV	353	15784	0.22%	0.014%
28	4.669	4.641	4.764	VV	309299	3132876	42.79%	2.858%
29	4.784	4.764	4.817	VV	992	18686	0.26%	0.017%
30	4.858	4.817	4.898	VV	802	19393	0.26%	0.018%
31	4.920	4.898	4.936	VV	632	10036	0.14%	0.009%
32	4.955	4.936	5.070	VV	1063	32408	0.44%	0.030%
33	5.090	5.070	5.161	VV	485	16417	0.22%	0.015%
34	5.176	5.161	5.234	VV	277	9539	0.13%	0.009%
35	5.288	5.234	5.323	VV	272	9365	0.13%	0.009%
36	5.373	5.323	5.409	VV	1766	30285	0.41%	0.028%

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37	5.434	5.409	5.539	VV	491	14696	0.20%	0.013%
38	5.617	5.539	5.641	VV	232	8277	0.11%	0.008%
39	5.666	5.641	5.738	VV	208	8029	0.11%	0.007%
40	5.758	5.738	5.788	VV	182	4218	0.06%	0.004%
41	5.810	5.788	5.834	VV	1719	19843	0.27%	0.018%
42	5.852	5.834	5.898	VV	790	12430	0.17%	0.011%
43	5.915	5.898	5.954	VV	270	4498	0.06%	0.004%
44	6.006	5.954	6.031	VV	271	7916	0.11%	0.007%
45	6.070	6.031	6.091	VV	209	5751	0.08%	0.005%
46	6.112	6.091	6.149	VV	342	7340	0.10%	0.007%
47	6.173	6.149	6.271	VV	152	9106	0.12%	0.008%
48	6.294	6.271	6.322	PV	197	3698	0.05%	0.003%
49	6.396	6.322	6.424	VV	533	14463	0.20%	0.013%
50	6.443	6.424	6.465	VV	420	6451	0.09%	0.006%
51	6.488	6.465	6.512	VV	731	10065	0.14%	0.009%
52	6.550	6.512	6.598	VV	647	14648	0.20%	0.013%
53	6.624	6.598	6.708	VV	340	16531	0.23%	0.015%
54	6.724	6.708	6.758	VV	215	5401	0.07%	0.005%
55	6.771	6.758	6.786	VV	178	3125	0.04%	0.003%
56	6.844	6.786	6.981	VV	383606	3812345	52.08%	3.477%
57	6.997	6.981	7.054	VV	1090	25387	0.35%	0.023%
58	7.072	7.054	7.108	VV	543	10861	0.15%	0.010%
59	7.123	7.108	7.153	VV	279	6046	0.08%	0.006%
60	7.177	7.153	7.201	VV	313	6453	0.09%	0.006%
61	7.220	7.201	7.274	VV	284	8888	0.12%	0.008%
62	7.301	7.274	7.331	VV	468	8471	0.12%	0.008%
63	7.354	7.331	7.391	VV	577	13119	0.18%	0.012%
64	7.409	7.391	7.446	VV	491	13055	0.18%	0.012%
65	7.483	7.446	7.545	VV	707	18860	0.26%	0.017%
66	7.590	7.545	7.614	VV	252	8012	0.11%	0.007%
67	7.649	7.614	7.698	VV	1356	21601	0.30%	0.020%
68	7.727	7.698	7.742	VV	310	7305	0.10%	0.007%
69	7.793	7.742	7.841	VV	2124	34382	0.47%	0.031%
70	7.855	7.841	7.871	VV	246	4115	0.06%	0.004%
71	7.886	7.871	7.923	VV	317	5180	0.07%	0.005%
72	7.954	7.923	7.985	VV	173	4147	0.06%	0.004%
73	8.002	7.985	8.024	VV	115	1889	0.03%	0.002%
74	8.059	8.024	8.113	VV	587	8276	0.11%	0.008%
75	8.149	8.113	8.179	PV	193	3760	0.05%	0.003%
76	8.229	8.179	8.296	VV	301	10655	0.15%	0.010%
77	8.324	8.296	8.348	VV	250	4198	0.06%	0.004%
78	8.370	8.348	8.398	VV	1054	12501	0.17%	0.011%
79	8.427	8.398	8.450	VV	856	10190	0.14%	0.009%
80	8.584	8.450	8.644	VV	1091	34047	0.47%	0.031%
81	8.679	8.644	8.851	VV	441380	4599217	62.82%	4.195%
82	8.871	8.851	8.894	VV	513	9183	0.13%	0.008%
83	8.913	8.894	8.978	VV	513	10893	0.15%	0.010%
84	9.006	8.978	9.071	VV	1249	30304	0.41%	0.028%
85	9.162	9.071	9.203	VV	1098	50122	0.68%	0.046%
86	9.222	9.203	9.266	VV	909	22046	0.30%	0.020%
87	9.285	9.266	9.308	VV	391	6529	0.09%	0.006%
88	9.339	9.308	9.357	VV	322	6668	0.09%	0.006%
89	9.411	9.357	9.480	VV	2764	67942	0.93%	0.062%

					rteres			
90	9.514	9.480	9.581	VV	1587	49263	0.67%	0.045%
91	9.596	9.581	9.623	VV	410	6270	0.09%	0.006%
92	9.646	9.623	9.678	VV	300	6235	0.09%	0.006%
93	9.695	9.678	9.718	VV	283	4438	0.06%	0.004%
94	9.748	9.718	9.781	VV	219	5187	0.07%	0.005%
95	9.810	9.781	9.836	VV	459	7496	0.10%	0.007%
96	9.879	9.836	9.914	VV	955	17315	0.24%	0.016%
97	9.930	9.914	9.950	VV	479	7195	0.10%	0.007%
98	9.973	9.950	9.998	VV	393	9102	0.12%	0.008%
99	10.020	9.998	10.051	VV	636	13295	0.18%	0.012%
100	10.071	10.051	10.111	VV	1949	22895	0.31%	0.021%
101	10.160	10.111	10.178	VV	235	5480	0.07%	0.005%
102	10.213	10.178	10.254	PV	893	16714	0.23%	0.015%
103	10.293	10.254	10.491	VV	491698	5369383	73.34%	4.898%
104	10.519	10.491	10.551	VV	897	12096	0.17%	0.011%
105	10.570	10.551	10.594	VV	236	4133	0.06%	0.004%
106	10.686	10.594	10.708	VV	600	19382	0.26%	0.018%
107	10.737	10.708	10.814	VV	820	29913	0.41%	0.027%
108	10.828	10.814	10.863	VV	308	6758	0.09%	0.006%
109	10.964	10.863	10.998	VV	725	30415	0.42%	0.028%
110	11.034	10.998	11.073	VV	1297	25927	0.35%	0.024%
111	11.161	11.073	11.206	VV	799	30500	0.42%	0.028%
112	11.252	11.206	11.274	VV	383	9043	0.12%	0.008%
113	11.315	11.274	11.334	VV	172	5172	0.07%	0.005%
114	11.360	11.334	11.388	VV	474	8269	0.11%	0.008%
115	11.464	11.388	11.518	VV	770	39371	0.54%	0.036%
116	11.543	11.518	11.578	VV	2973	36590	0.50%	0.033%
117	11.604	11.578	11.631	PV	159	3723	0.05%	0.003%
118	11.671	11.631	11.704	VV	2623	35405	0.48%	0.032%
119	11.742	11.704	11.814	VV	515848	5965473	81.49%	5.441%
120	11.834	11.814	11.874	VV	967	19418	0.27%	0.018%
121	11.892	11.874	11.918	VV	275	4286	0.06%	0.004%
122	11.970	11.918	12.003	VV	167	6761	0.09%	0.006%
123	12.064	12.003	12.081	VV	304	9415	0.13%	0.009%
124	12.133	12.081	12.176	VV	529	19658	0.27%	0.018%
125	12.201	12.176	12.281	VV	552	13823	0.19%	0.013%
126	12.305	12.281	12.320	PV	229	2840	0.04%	0.003%
127	12.347	12.320	12.368	VV	479	8058	0.11%	0.007%
128	12.410	12.368	12.494	VV	1205	29159	0.40%	0.027%
129	12.548	12.494	12.601	VV	241	9132	0.12%	0.008%
130	12.631	12.601	12.671	VV	582	13218	0.18%	0.012%
131	12.695	12.671	12.730	VV	350	8529	0.12%	0.008%
132	12.749	12.730	12.768	VV	321	4233	0.06%	0.004%
133	12.784	12.768	12.808	VV	425	8085	0.11%	0.007%
134	12.879	12.808	12.971	VV	1578	47440	0.65%	0.043%
135	12.994	12.971	13.015	VV	1263	16770	0.23%	0.015%
136	13.056	13.015	13.153	VV	537604	6228892	85.08%	5.682%
137	13.171	13.153	13.251	VV	562	14322	0.20%	0.013%
138	13.310	13.251	13.364	PV	207	8181	0.11%	0.007%
139	13.504	13.364	13.592	VV	368947	4361088	59.57%	3.978%
140	13.612	13.592	13.634	VV	881	15449	0.21%	0.014%
141	13.671	13.634	13.841	VV	525397	6087700	83.16%	5.553%

					rteres			
142	13.883	13.841	13.914	VV	314	10722	0.15%	0.010%
143	13.950	13.914	13.990	VV	341	11099	0.15%	0.010%
144	14.048	13.990	14.071	VV	630	15773	0.22%	0.014%
145	14.100	14.071	14.148	VV	1271	25867	0.35%	0.024%
146	14.259	14.148	14.374	VV	484092	5954992	81.34%	5.432%
147	14.388	14.374	14.428	VV	575	11336	0.15%	0.010%
148	14.477	14.428	14.571	VV	432	23466	0.32%	0.021%
149	14.642	14.571	14.658	VV	432	13294	0.18%	0.012%
150	14.695	14.658	14.748	VV	1465	29258	0.40%	0.027%
151	14.772	14.748	14.791	VV	461	8375	0.11%	0.008%
152	14.821	14.791	14.864	VV	2023	31257	0.43%	0.029%
153	14.883	14.864	14.931	VV	280	8957	0.12%	0.008%
154	14.953	14.931	14.996	VV	273	8357	0.11%	0.008%
155	15.141	14.996	15.194	VV	387	24500	0.33%	0.022%
156	15.218	15.194	15.274	VV	360	6842	0.09%	0.006%
157	15.365	15.274	15.541	PV	458480	5577418	76.19%	5.087%
158	15.560	15.541	15.591	VV	185	4872	0.07%	0.004%
159	15.617	15.591	15.648	VV	205	4350	0.06%	0.004%
160	15.665	15.648	15.728	PV	140	3626	0.05%	0.003%
161	15.776	15.728	15.813	VV	187	5952	0.08%	0.005%
162	15.883	15.813	15.978	VV	3277	53683	0.73%	0.049%
163	15.997	15.978	16.044	PV	131	2038	0.03%	0.002%
164	16.067	16.044	16.088	VV	129	1268	0.02%	0.001%
165	16.205	16.088	16.226	PV	194	7551	0.10%	0.007%
166	16.259	16.226	16.301	VV	242	7445	0.10%	0.007%
167	16.388	16.301	16.498	VV	389143	5189382	70.88%	4.733%
168	16.523	16.498	16.648	VV	324	15341	0.21%	0.014%
169	16.698	16.648	16.724	PV	397	9071	0.12%	0.008%
170	16.772	16.724	16.801	VV	147	5915	0.08%	0.005%
171	16.870	16.801	16.938	VV	4021	67137	0.92%	0.061%
172	16.979	16.938	17.014	VV	238	6301	0.09%	0.006%
173	17.047	17.014	17.071	PV	252	5734	0.08%	0.005%
174	17.173	17.071	17.190	VV	186	8948	0.12%	0.008%
175	17.220	17.190	17.248	PV	452	7010	0.10%	0.006%
176	17.339	17.248	17.394	VV	387695	5011868	68.46%	4.572%
177	17.401	17.394	17.424	VV	37367	75016	1.02%	0.068%
178	17.448	17.424	17.471	VV	322	7726	0.11%	0.007%
179	17.495	17.471	17.514	VV	270	4731	0.06%	0.004%
180	17.631	17.514	17.653	VV	311	12637	0.17%	0.012%
181	17.675	17.653	17.701	PV	177	4311	0.06%	0.004%
182	17.789	17.701	17.831	VV	4109	69068	0.94%	0.063%
183	17.877	17.831	17.901	PV	304	4639	0.06%	0.004%
184	18.118	17.901	18.148	PV	1979	26215	0.36%	0.024%
185	18.229	18.148	18.301	PV	355699	4984068	68.08%	4.546%
186	18.318	18.301	18.348	VV	305	7459	0.10%	0.007%
187	18.497	18.348	18.516	VV	336	14696	0.20%	0.013%
188	18.650	18.516	18.684	PV	4110	63027	0.86%	0.057%
189	19.063	18.684	19.126	VV	368890	5116424	69.89%	4.667%
190	19.458	19.126	19.489	PV	4185	68723	0.94%	0.063%
191	19.848	19.489	19.904	VV	365860	5706491	77.95%	5.205%
192	20.221	19.904	20.248	VV	7879	935069	12.77%	0.853%
193	20.588	20.248	20.658	VV	374469	7320847	100.00%	6.678%
194	20.953	20.658	20.981	VV	14897	2367493	32.34%	2.159%

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195	21.055	20.981	21.176	VV	15104	1566655	21.40%	1.429%
196	21.198	21.176	21.248	VV	11272	471008	6.43%	0.430%
197	21.252	21.248	21.288	VV	10678	251105	3.43%	0.229%
198	21.363	21.288	21.531	VV	301803	6797016	92.84%	6.200%
199	21.602	21.531	21.758	VV	8107	1014616	13.86%	0.925%
200	21.815	21.758	21.854	VV	6554	348803	4.76%	0.318%
201	21.990	21.854	22.111	VV	4778	695502	9.50%	0.634%
202	22.150	22.111	22.271	VV	3126	247794	3.38%	0.226%
203	22.344	22.271	22.513	VV	210720	5421807	74.06%	4.945%
					Sum of corrected areas:		109632065	

Aliphatic EPH 092425.M Fri Oct 03 02:29:00 2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:

FD100225AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:

FE092425AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3168-03	FE055979.D	1-chlorooctadecane (SURR)	yogesh	9/25/2025 1:08:41 PM	mohammad	9/26/2025 4:25:44	Peak Integrated by Software
Q3168-03	FE055979.D	ortho-Terphenyl (SURR)	yogesh	9/25/2025 1:08:41 PM	mohammad	9/26/2025 4:25:44	Peak Integrated by Software

Manual Integration Report

Sequence:

FE100225AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056142.D	n-Octatriacontane (C38)	yogesh	10/3/2025 7:27:33 AM	mohammad	10/4/2025 6:30:19	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056142.D	n-Tetracontane (C40)	yogesh	10/3/2025 7:27:33 AM	mohammad	10/4/2025 6:30:19	Peak Integrated by Software
Q3256-05DL	FE056143.D	ortho-Terphenyl (SURR)	yogesh	10/3/2025 7:27:35 AM	mohammad	10/4/2025 6:30:19	Peak Integrated by Software

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD100225AR

Review By	yogesh	Review On	10/2/2025 10:15:14 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:33 AM
SubDirectory	FD100225AR	HP Acquire Method	HP Processing Method FD100225AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959		
CCC Internal Standard/PEM	PP24961		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049789.D	02 Oct 2025 08:21	YP/AJ	Ok
2	I.BLK	FD049790.D	02 Oct 2025 09:00	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049791.D	02 Oct 2025 09:40	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049792.D	02 Oct 2025 10:21	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049793.D	02 Oct 2025 11:03	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049794.D	02 Oct 2025 11:44	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049795.D	02 Oct 2025 12:26	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049796.D	02 Oct 2025 13:09	YP/AJ	Ok
9	I.BLK	FD049797.D	02 Oct 2025 13:52	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049798.D	02 Oct 2025 14:35	YP/AJ	Ok
11	PB169950BS	FD049799.D	02 Oct 2025 16:01	YP/AJ	Ok
12	PB169950BSD	FD049800.D	02 Oct 2025 16:44	YP/AJ	Ok
13	PB169950BL	FD049801.D	02 Oct 2025 17:28	YP/AJ	Ok
14	Q3238-01	FD049802.D	02 Oct 2025 18:12	YP/AJ	Ok
15	Q3238-01D	FD049803.D	02 Oct 2025 18:55	YP/AJ	Ok
16	Q3238-01MS	FD049804.D	02 Oct 2025 19:37	YP/AJ	Ok
17	Q3238-01MSD	FD049805.D	02 Oct 2025 20:19	YP/AJ	Ok
18	Q3257-01	FD049806.D	02 Oct 2025 21:02	YP/AJ	Ok
19	Q3257-02	FD049807.D	02 Oct 2025 21:44	YP/AJ	Ok
20	Q3266-01	FD049808.D	02 Oct 2025 22:25	YP/AJ	ReRun
21	Q3266-02	FD049809.D	02 Oct 2025 23:07	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD100225AR

Review By	yogesh	Review On	10/2/2025 10:15:14 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:33 AM
SubDirectory	FD100225AR	HP Acquire Method	HP Processing Method FD100225AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959		
CCC Internal Standard/PEM	PP24961		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960		

22	I.BLK	FD049810.D	03 Oct 2025 00:28	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049811.D	03 Oct 2025 01:09	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055960.D	24 Sep 2025 08:06	YP\AJ	Ok
2	I.BLK	FE055961.D	24 Sep 2025 08:36	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE055962.D	24 Sep 2025 09:07	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE055963.D	24 Sep 2025 09:37	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE055964.D	24 Sep 2025 10:07	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE055965.D	24 Sep 2025 10:38	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE055966.D	24 Sep 2025 11:08	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE055967.D	24 Sep 2025 11:39	YP\AJ	Ok
9	I.BLK	FE055968.D	24 Sep 2025 12:09	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055969.D	24 Sep 2025 12:40	YP\AJ	Ok
11	PB169809BL	FE055970.D	24 Sep 2025 14:27	YP\AJ	Ok
12	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
13	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
14	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
15	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
16	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
17	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
18	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
19	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
20	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
21	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

22	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
23	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
24	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
25	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
26	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
27	Q3159-01	FE055973.D	24 Sep 2025 15:59	YP\AJ	Ok
28	Q3159-01D	FE055974.D	24 Sep 2025 16:29	YP\AJ	Ok
29	Q3159-01MS	FE055975.D	24 Sep 2025 17:00	YP\AJ	Ok
30	Q3159-01MSD	FE055976.D	24 Sep 2025 17:31	YP\AJ	Ok
31	Q3159-03	FE055977.D	24 Sep 2025 18:01	YP\AJ	Ok
32	Q3167-01	FE055978.D	24 Sep 2025 18:32	YP\AJ	Dilution
33	Q3168-03	FE055979.D	24 Sep 2025 19:03	YP\AJ	Dilution
34	I.BLK	FE055980.D	24 Sep 2025 20:04	YP\AJ	Ok
35	20 PPM ALIPHATIC HC STD	FE055981.D	24 Sep 2025 20:35	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100225AL

Review By	yogesh	Review On	10/2/2025 9:24:37 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:19 AM
SubDirectory	FE100225AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056140.D	02 Oct 2025 07:39	YP\AJ	Ok
2	I.BLK	FE056141.D	02 Oct 2025 08:10	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056142.D	02 Oct 2025 08:40	YP\AJ	Ok,M
4	Q3256-05DL	FE056143.D	02 Oct 2025 09:42	YP\AJ	Ok,M
5	Q3256-01	FE056144.D	02 Oct 2025 10:12	YP\AJ	Ok
6	Q3256-01DL	FE056145.D	02 Oct 2025 10:43	YP\AJ	Not Ok
7	I.BLK	FE056146.D	02 Oct 2025 11:43	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD	FE056147.D	02 Oct 2025 12:13	YP\AJ	Ok
9	PB169950BS	FE056148.D	02 Oct 2025 15:32	YP\AJ	Ok
10	PB169950BSD	FE056149.D	02 Oct 2025 16:02	YP\AJ	Ok
11	PB169950BL	FE056150.D	02 Oct 2025 16:33	YP\AJ	Ok
12	Q3238-01	FE056151.D	02 Oct 2025 17:03	YP\AJ	Ok
13	Q3238-01D	FE056152.D	02 Oct 2025 17:34	YP\AJ	Ok
14	Q3238-01MS	FE056153.D	02 Oct 2025 18:04	YP\AJ	Ok
15	Q3238-01MSD	FE056154.D	02 Oct 2025 18:34	YP\AJ	Ok
16	Q3257-01	FE056155.D	02 Oct 2025 19:05	YP\AJ	Ok
17	Q3257-02	FE056156.D	02 Oct 2025 19:35	YP\AJ	Ok
18	Q3266-01	FE056157.D	02 Oct 2025 20:05	YP\AJ	Ok
19	Q3266-02	FE056158.D	02 Oct 2025 20:36	YP\AJ	Ok
20	I.BLK	FE056159.D	02 Oct 2025 21:36	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FE056160.D	02 Oct 2025 22:06	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD100225AR

Review By	yogesh	Review On	10/2/2025 10:15:14 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:33 AM
SubDirectory	FD100225AR	HP Acquire Method	HP Processing Method
			FD100225AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959
CCC Internal Standard/PEM	PP24961
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049789.D	02 Oct 2025 08:21		YP/AJ	Ok
2	I.BLK	I.BLK	FD049790.D	02 Oct 2025 09:00		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049791.D	02 Oct 2025 09:40		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049792.D	02 Oct 2025 10:21		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049793.D	02 Oct 2025 11:03		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049794.D	02 Oct 2025 11:44		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049795.D	02 Oct 2025 12:26		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049796.D	02 Oct 2025 13:09		YP/AJ	Ok
9	I.BLK	I.BLK	FD049797.D	02 Oct 2025 13:52		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049798.D	02 Oct 2025 14:35		YP/AJ	Ok
11	PB169950BS	PB169950BS	FD049799.D	02 Oct 2025 16:01		YP/AJ	Ok
12	PB169950BSD	PB169950BSD	FD049800.D	02 Oct 2025 16:44		YP/AJ	Ok
13	PB169950BL	PB169950BL	FD049801.D	02 Oct 2025 17:28		YP/AJ	Ok
14	Q3238-01	RCA	FD049802.D	02 Oct 2025 18:12		YP/AJ	Ok
15	Q3238-01D	Q3238-01D	FD049803.D	02 Oct 2025 18:55		YP/AJ	Ok
16	Q3238-01MS	RCAMS	FD049804.D	02 Oct 2025 19:37	FD049802.D	YP/AJ	Ok
17	Q3238-01MSD	RCAMSD	FD049805.D	02 Oct 2025 20:19	FD049802.D!FD049804.D	YP/AJ	Ok
18	Q3257-01	ENV1-6FT	FD049806.D	02 Oct 2025 21:02		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD100225AR

Review By	yogesh	Review On	10/2/2025 10:15:14 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:33 AM
SubDirectory	FD100225AR	HP Acquire Method	HP Processing Method
			FD100225AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959		
CCC	PP24961		
Internal Standard/PEM			
ICV/I.BLK	PP24955,PP24960		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3257-02	ENV2-6FT	FD049807.D	02 Oct 2025 21:44		YP/AJ	Ok
20	Q3266-01	ENV-3-6FT	FD049808.D	02 Oct 2025 22:25	Surrogate fail	YP/AJ	ReRun
21	Q3266-02	ENV-4-6FT	FD049809.D	02 Oct 2025 23:07		YP/AJ	Ok
22	I.BLK	I.BLK	FD049810.D	03 Oct 2025 00:28		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049811.D	03 Oct 2025 01:09		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method FE092425AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055960.D	24 Sep 2025 08:06		YPIAJ	Ok
2	I.BLK	I.BLK	FE055961.D	24 Sep 2025 08:36		YPIAJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE055962.D	24 Sep 2025 09:07		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055963.D	24 Sep 2025 09:37		YPIAJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055964.D	24 Sep 2025 10:07		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055965.D	24 Sep 2025 10:38		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055966.D	24 Sep 2025 11:08		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055967.D	24 Sep 2025 11:39		YPIAJ	Ok
9	I.BLK	I.BLK	FE055968.D	24 Sep 2025 12:09		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055969.D	24 Sep 2025 12:40		YPIAJ	Ok
11	PB169809BL	PB169809BL	FE055970.D	24 Sep 2025 14:27		YPIAJ	Ok
12	PB169809BS	PB169809BLBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
13	PB169809BS	PB169809BLBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
14	PB169809BS	PB169809BLBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
15	PB169809BS	PB169809BLBSBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
16	PB169809BS	PB169809BLBSBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
17	PB169809BS	PB169809BLBSBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
18	PB169809BS	PB169809BS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
20	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
21	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
22	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
23	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
24	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
25	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
26	PB169809BSD	PB169809BSD	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
27	Q3159-01	VNJ-245	FE055973.D	24 Sep 2025 15:59		YPIAJ	Ok
28	Q3159-01D	VNJ-245D	FE055974.D	24 Sep 2025 16:29		YPIAJ	Ok
29	Q3159-01MS	VNJ-245MS	FE055975.D	24 Sep 2025 17:00	FE055973.D	YPIAJ	Ok
30	Q3159-01MSD	VNJ-245MSD	FE055976.D	24 Sep 2025 17:31	FE055973.D!FE055975.D	YPIAJ	Ok
31	Q3159-03	VNJ-255	FE055977.D	24 Sep 2025 18:01		YPIAJ	Ok
32	Q3167-01	RT4784	FE055978.D	24 Sep 2025 18:32	Need 2X	YPIAJ	Dilution
33	Q3168-03	ARS20-0010-Oily Soil-S	FE055979.D	24 Sep 2025 19:03	Need 10X	YPIAJ	Dilution
34	I.BLK	I.BLK	FE055980.D	24 Sep 2025 20:04		YPIAJ	Ok
35	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055981.D	24 Sep 2025 20:35		YPIAJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100225AL

Review By	yogesh	Review On	10/2/2025 9:24:37 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:19 AM
SubDirectory	FE100225AL	HP Acquire Method	HP Processing Method
			FE092425AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056140.D	02 Oct 2025 07:39		YPIAJ	Ok
2	I.BLK	I.BLK	FE056141.D	02 Oct 2025 08:10		YPIAJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056142.D	02 Oct 2025 08:40		YPIAJ	Ok,M
4	Q3256-05DL	SOIL-PILE-2-WCDL	FE056143.D	02 Oct 2025 09:42		YPIAJ	Ok,M
5	Q3256-01	SOIL-PILE-1-WC	FE056144.D	02 Oct 2025 10:12		YPIAJ	Ok
6	Q3256-01DL	SOIL-PILE-1-WCDL	FE056145.D	02 Oct 2025 10:43	Not Required	YPIAJ	Not Ok
7	I.BLK	I.BLK	FE056146.D	02 Oct 2025 11:43		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056147.D	02 Oct 2025 12:13		YPIAJ	Ok
9	PB169950BS	PB169950BS	FE056148.D	02 Oct 2025 15:32		YPIAJ	Ok
10	PB169950BSD	PB169950BSD	FE056149.D	02 Oct 2025 16:02		YPIAJ	Ok
11	PB169950BL	PB169950BL	FE056150.D	02 Oct 2025 16:33		YPIAJ	Ok
12	Q3238-01	RCA	FE056151.D	02 Oct 2025 17:03		YPIAJ	Ok
13	Q3238-01D	Q3238-01D	FE056152.D	02 Oct 2025 17:34		YPIAJ	Ok
14	Q3238-01MS	RCAMS	FE056153.D	02 Oct 2025 18:04	FE056151.D	YPIAJ	Ok
15	Q3238-01MSD	RCAMSD	FE056154.D	02 Oct 2025 18:34	FE056151.D!FE056153.D	YPIAJ	Ok
16	Q3257-01	ENV1-6FT	FE056155.D	02 Oct 2025 19:05		YPIAJ	Ok
17	Q3257-02	ENV2-6FT	FE056156.D	02 Oct 2025 19:35		YPIAJ	Ok
18	Q3266-01	ENV-3-6FT	FE056157.D	02 Oct 2025 20:05		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100225AL

Review By	yogesh	Review On	10/2/2025 9:24:37 AM
Supervise By	mohammad	Supervise On	10/4/2025 6:30:19 AM
SubDirectory	FE100225AL	HP Acquire Method	HP Processing Method FE092425AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC Internal Standard/PEM	PP24771
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774

19	Q3266-02	ENV-4-6FT	FE056158.D	02 Oct 2025 20:36		YP\AJ	Ok
20	I.BLK	I.BLK	FE056159.D	02 Oct 2025 21:36		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056160.D	02 Oct 2025 22:06		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 10/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137380

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3257-01	ENV1-6FT	1	1.14	10.57	11.71	10.05	84.3	
Q3257-02	ENV2-6FT	2	1.15	10.55	11.7	10.09	84.7	
Q3262-01	PAD-100125	3	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3262-02	MOO-25-0280	4	1.15	10.87	12.02	6.94	53.3	
Q3262-04	MOO-25-0282	5	1.19	11.25	12.44	7.9	59.6	
Q3262-05	MOO-25-0281-82	6	1.16	11.03	12.19	8.19	63.7	
Q3262-07	279887	7	1.18	10.18	11.36	10.00	86.6	
Q3262-08	279887	8	1.12	10.85	11.97	10.6	87.4	
Q3264-01	L23A	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-02	L23B	10	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-03	L24A	11	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-04	L24B	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-05	L25A	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-06	L25B	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-07	L26A	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-08	L26B	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-09	L27A	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-10	L27B	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-11	L28A	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-12	L29A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-13	L30A	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-14	L31A	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-15	L32A	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-16	L33A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-17	L33B	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-18	L34A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-19	L34B	27	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-20	245F55-1-1	28	1.00	1.00	2.00	2.00	100.0	PILC



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 10/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137380

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q3264-21	245F55-1-2	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-22	245F46-1-1	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-23	245F46-1-2	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-24	245F46-2-1	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3264-25	245F46-2-2	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3265-01	BC279304-LOZ-END-1-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3265-02	BC279304-LOZ-END-1-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3266-01	ENV-3-6FT	36	1.15	11.10	12.25	10.06	80.3	
Q3266-02	ENV-3-6FT	37	1.14	10.18	11.32	10.00	87.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137380

WorkList Name : %1-100125

WorkList ID : 192195

Department : Wet-Chemistry

Date : 10-01-2025 07:02:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3257-01	ENV1-6FT	Solid	Percent Solids	Cool 4 deg C	CAMP02	D31	09/30/2025	Chemtech -SO
Q3257-02	ENV2-6FT	Solid	Percent Solids	Cool 4 deg C	CAMP02	D31	09/29/2025	Chemtech -SO
Q3262-01	PAD-100125	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3262-02	MOO-25-0280	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3262-04	MOO-25-0282	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3262-05	MOO-25-0281-82	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3262-07	279887	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3262-08	279887	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-01	L23A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-02	L23B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-03	L24A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-04	L24B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-05	L25A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-06	L25B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-07	L26A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-08	L26B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-09	L27A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-10	L27B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-11	L28A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-12	L29A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-13	L30A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO

Date/Time 10/01/25 15:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/01/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

17137380

WorkList Name : %1-100125 WorkList ID : 192195 Department : Wet-Chemistry Date : 10-01-2025 07:02:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3264-14	L31A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-15	L32A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-16	L33A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-17	L33B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-18	L34A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-19	L34B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-20	245F55-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-21	245F55-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-22	245F46-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-23	245F46-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-24	245F46-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3264-25	245F46-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3265-01	BC279304-LOZ-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3265-02	BC279304-LOZ-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/01/2025	Chemtech -SO
Q3266-01	ENV-3-6FT	Solid	Percent Solids	Cool 4 deg C	CAMP02	D31	10/01/2025	Chemtech -SO
Q3266-02	ENV-3-6FT	Solid	Percent Solids	Cool 4 deg C	CAMP02	D31	10/01/2025	Chemtech -SO

Date/Time 10/01/25 15:15
Raw Sample Received by: rsd wcy
Raw Sample Relinquished by: cf sw

Date/Time 10/01/25 17:30
Raw Sample Received by: cf sw
Raw Sample Relinquished by: rsd wcy

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A **Extraction Start Date :** 10/02/2025

Matrix : Solid **Extraction Start Time :** 09:05

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 10/02/2025

Balance check: EH **Filter By:** RJ **Extraction End Time :** 15:15

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** ritesh

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24918
Surrogate	1.0ML	100 PPM	PP24941
Fractionation Surrogate	1.0ML	100 PPM	PP24915
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2646
Sand	N/A	E3951
Hexane	N/A	E3974
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A **Envap ID:** NEVAP-02

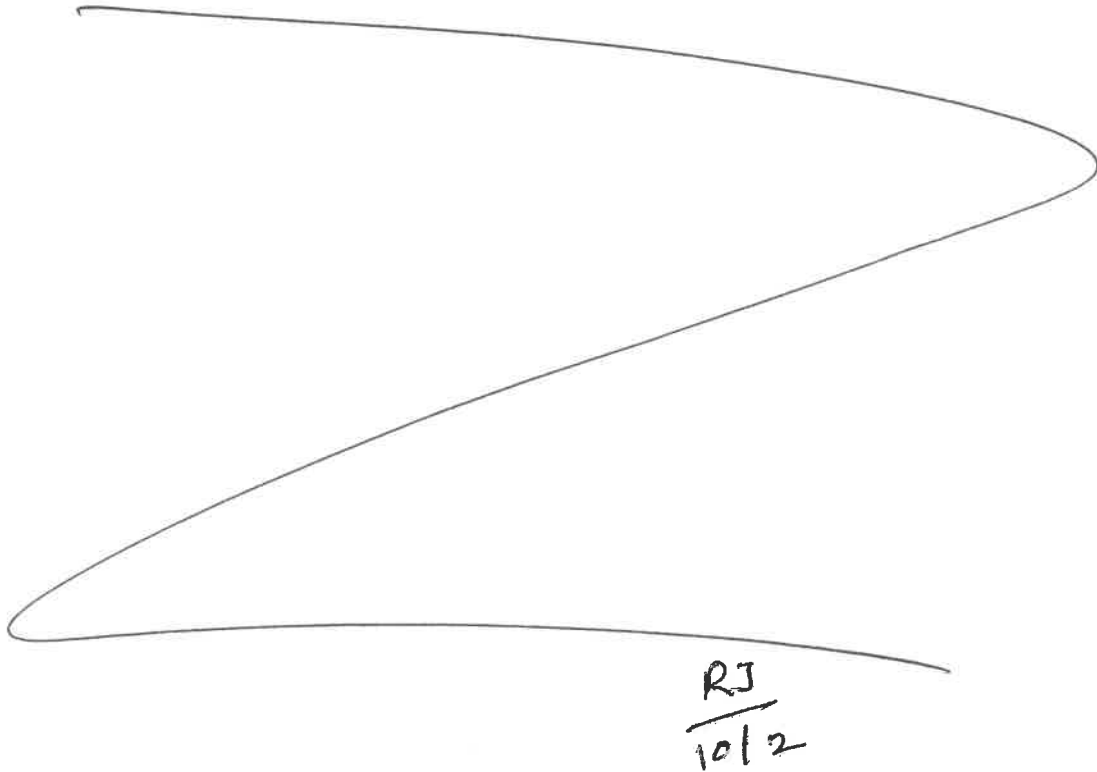
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/02/25	R3 (EXT-1 lab)	Y-P. Pestilera
15:20	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 10/02/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169950BL	PB169950BL	EPH	30.01	N/A	ritesh	Evelyn	2			U4-1
PB169950BS	PB169950BS	EPH	30.02	N/A	ritesh	Evelyn	2			2
PB169950BSD	PB169950BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
Q3238-01	RCA	EPH	30.07	N/A	ritesh	Evelyn	2	B	Concrete	4
Q3238-01DUP	RCADUP	EPH	30.04	N/A	ritesh	Evelyn	2	B	Concrete	5
Q3238-01MS	RCAMS	EPH	30.06	N/A	ritesh	Evelyn	2	B	Concrete	6
Q3238-01MSD	RCMSD	EPH	30.05	N/A	ritesh	Evelyn	2	B	Concrete	U6-1
Q3257-01	ENV1-6FT	EPH	30.02	N/A	ritesh	Evelyn	2	E		2
Q3257-02	ENV2-6FT	EPH	30.01	N/A	ritesh	Evelyn	2	E		3
Q3266-01	ENV-3-6FT	EPH	30.05	N/A	ritesh	Evelyn	2	F		4
Q3266-02	ENV-3-6FT	EPH	30.06	N/A	ritesh	Evelyn	2	F		5



RJ
10/2

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3238EPH WorkList ID : 192232 Department : Extraction Date : 10-02-2025 08:36:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3238-01	RCA	Solid	EPH	Cool 4 deg C	YANN01	D31	09/18/2025	NJEPH
Q3257-01	ENV1-6FT	Solid	EPH	Cool 4 deg C	CAMP02	D31	09/30/2025	NJEPH
Q3257-02	ENV2-6FT	Solid	EPH	Cool 4 deg C	CAMP02	D31	09/29/2025	NJEPH
Q3266-01	ENV-3-6FT	Solid	EPH	Cool 4 deg C	CAMP02	D31	10/01/2025	NJEPH
Q3266-02	ENV-3-6FT	Solid	EPH	Cool 4 deg C	CAMP02	D31	10/01/2025	NJEPH

Date/Time 10/02/25 9:10
 Raw Sample Received by: R3 (L-21-100)
 Raw Sample Relinquished by: [Signature]

Date/Time 10/02/25 9:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: R3 (L-21-100)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Ave., #8, 6th floor
CITY Edison STATE: NJ ZIP: 08839
ATTENTION: Marcie Encinas
PHONE: 908-642-5565 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: Teco CJO WTP PFAS - Geotail
PROJECT NO.: 295110 LOCATION: Edison, NJ
PROJECT MANAGER: David Tanzi
e-mail: TANZIDJ@cdmsmith.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Ave., #8, 6th floor
CITY Edison STATE: NJ ZIP: 08839
ATTENTION: Marcie Encinas PHONE: 908-642-5565

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ 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. EPH 2. Herbicide 3. TAL Metal 4. Hg 5. TCL Pesticide 6. PCB 7. TCL VOC +10 8. TC LVOC +20 9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	ENV 1 - 6ft	Soil		X	9/30/25	10:50	4	X	X	X	X	X	X	X	X		
2.	ENV 2 - 6ft	Soil		X	9/30/25	11:10	4	X	X	X	X	X	1	X	X		
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. TH	DATE/TIME: 9/30/25 12:35	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 9-30-25	RECEIVED BY: 3.	

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 : Q3257	CAMP02	Order Date : 9/30/2025 2:40:01 PM	Project Mgr :
Client Name : CDM Smith		Project Name : MWCO CJO WTP Edison 2	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 9/30/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 15:40	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3257-01	ENV1-6FT	Solid	09/30/2025	10:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3257-02	ENV2-6FT	Solid	09/30/2025 09/29/2025	11:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : 

Date / Time : 9-30-25 1600

Received By : 

Date / Time : 9/30/25 1600

Storage Area : VOA Refridgerator Room