

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: Q3266	OrderDate: 10/1/2025 3:15:00 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
Q3266-01	ENV-3-6FT	SOIL			10/01/25			10/01/25
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/03/25	
Q3266-02	ENV-4-6FT	SOIL			10/01/25			10/01/25
			PCB	8082A		10/02/25	10/02/25	
			Pesticide-TCL	8081B		10/02/25	10/02/25	
			EPH	NJEPH		10/02/25	10/02/25	



QC SUMMARY



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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: CAMP02
Lab Code: ACE SDG No.: Q3266
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
ENV-4-6FT	98	98	73	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.: Q3266
Run Number: FD100325AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
ENV-3-6FT	100	101	52	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.: Q3266
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
ENV-3-6FT	51			0
ENV-4-6FT	86			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>Q3266</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>Q3266</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>Q3266</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>Q3266</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>Q3266</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>Q3266</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>Q3266</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>Q3266</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.: Q3266

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
ENV-3-6FT	Q3266-01
ENV-4-6FT	Q3266-02

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
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 20:05	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.23	J	1	0.17	1.24	mg/kg	FE056157.D
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	1	0.14	0.83	mg/kg	FE056157.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	J	1	0.16	1.24	mg/kg	FE056157.D
Aliphatic C21-C28	Aliphatic C21-C28	0.66	U	1	0.66	1.66	mg/kg	FE056157.D
Aliphatic C28-C40	Aliphatic C28-C40	6.31		1	1.47	2.49	mg/kg	FE056157.D
Aromatic C10-C12	Aromatic C10-C12	0.27	J	1	0.15	0.83	mg/kg	FD049815.D
Aromatic C12-C16	Aromatic C12-C16	2.80		1	0.29	1.24	mg/kg	FD049815.D
Aromatic C16-C21	Aromatic C16-C21	1.36	J	1	0.50	2.07	mg/kg	FD049815.D
Aromatic C21-C36	Aromatic C21-C36	1.48	U	1	1.48	3.32	mg/kg	FD049815.D
Total AliphaticEPH	Total AliphaticEPH	7.24	J		2.60	7.46	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.43	J		2.41	7.46	mg/kg	
Total EPH	Total EPH	11.7	J		5.01	14.9	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:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
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
FD049815.D	1	10/02/25	10/03/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.27	J	0.15	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.80		0.29	1.24	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.36	J	0.50	2.07	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.48	U	1.48	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3266-01	Acq On:	03 Oct 2025 11:00
Client Sample ID:	ENV-3-6FT	Operator:	YP/AJ
Data file:	FD049815.D	Misc:	
Instrument:	FID_D	ALS Vial:	56
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.432	6.134	396631	3.23	200	ug/ml
Aromatic C12-C16	6.135	8.763	4843280	33.784	300	ug/ml
Aromatic C16-C21	8.764	13.053	2338399	16.448	500	ug/ml
Aromatic C21-C36	13.054	18.473	1604491	12.958	800	ug/ml
Aromatic EPH	4.432	18.473	9182801	66.42		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	3901319	26.13		ug/ml
2-Bromonaphthalene (SURR)	7.701	7.701	5941401	50.01		ug/ml
2-Fluorobiphenyl (SURR)	8.565	8.565	4269872	50.29		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
 Data File : FD049815.D
 Signal(s) : FID2B.ch
 Acq On : 03 Oct 2025 11:00
 Operator : YP/AJ
 Sample : Q3266-01
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 ENV-3-6FT

Integration File: autoint1.e
 Quant Time: Oct 04 04:17:39 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...	7.701	5941401	50.006 ug/ml
Spiked Amount 50.000		Recovery =	100.01%
6) S 2-Fluorobiphenyl (SURR)	8.565	4269872	50.293 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.59%
11) S ortho-Terphenyl (SURR)	11.610	3901319	26.133 ug/ml
Spiked Amount 50.000		Recovery =	52.27%

Target Compounds

(f)=RT Delta > 1/2 Window

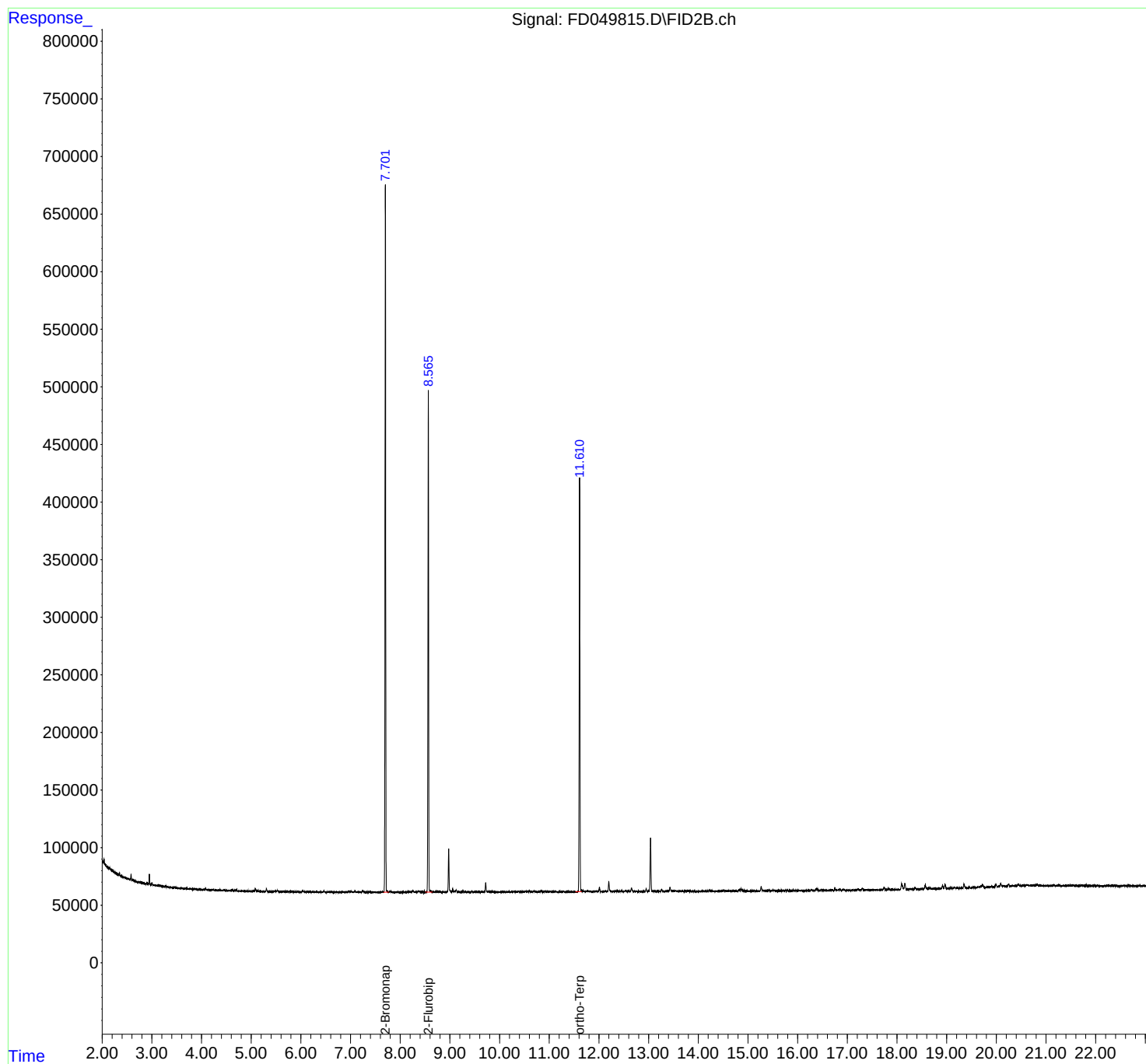
(m)=manual int.

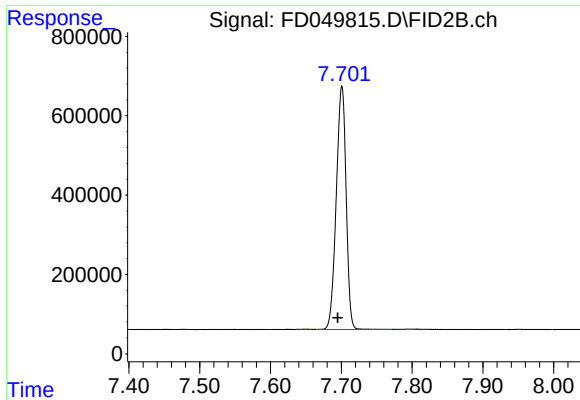
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
Data File : FD049815.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 11:00
Operator : YP/AJ
Sample : Q3266-01
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-3-6FT

Integration File: autoint1.e
Quant Time: Oct 04 04:17:39 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

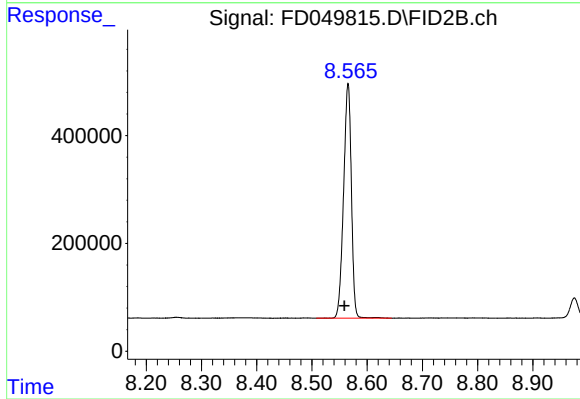




#4 2-Bromonaphthalene (SURRE)

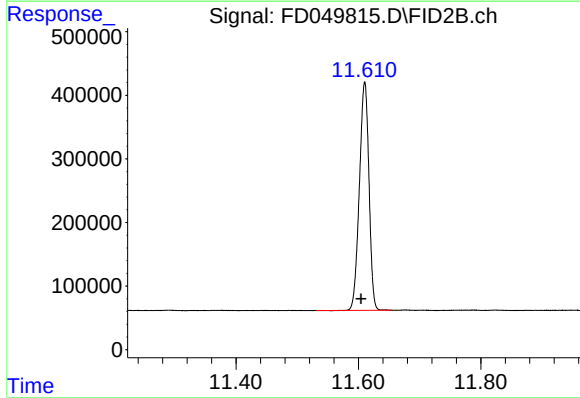
R.T.: 7.701 min
Delta R.T.: 0.006 min
Response: 5941401
Conc: 50.01 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-3-6FT



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.565 min
Delta R.T.: 0.006 min
Response: 4269872
Conc: 50.29 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.610 min
Delta R.T.: 0.006 min
Response: 3901319
Conc: 26.13 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
Data File : FD049815.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 11:00
Sample : Q3266-01
Misc :
ALS Vial : 56 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	4.305	4.294	4.310	PV	191	1395	0.02%	0.007%
2	4.315	4.310	4.341	VV	268	4247	0.07%	0.022%
3	4.350	4.341	4.372	VV	468	4518	0.08%	0.024%
4	4.384	4.372	4.395	PV	332	2351	0.04%	0.012%
5	4.403	4.395	4.439	VV	238	4145	0.07%	0.022%
6	4.452	4.439	4.474	VV	1172	12523	0.21%	0.066%
7	4.495	4.474	4.510	VV	488	6305	0.11%	0.033%
8	4.547	4.523	4.562	VV	405	6713	0.11%	0.035%
9	4.564	4.562	4.589	VV	430	4853	0.08%	0.025%
10	4.622	4.589	4.654	VV	925	19234	0.32%	0.101%
11	4.674	4.654	4.690	VV	861	9978	0.17%	0.052%
12	4.705	4.690	4.730	VV	1412	14317	0.24%	0.075%
13	4.740	4.730	4.750	VV	233	1463	0.02%	0.008%
14	4.755	4.750	4.782	VV	352	2106	0.04%	0.011%
15	4.793	4.782	4.801	VV	326	2585	0.04%	0.014%
16	4.806	4.801	4.880	VV	399	11139	0.19%	0.058%
17	4.900	4.880	4.921	VV	460	7509	0.13%	0.039%
18	4.934	4.921	4.948	VV	452	3557	0.06%	0.019%
19	5.010	4.948	5.030	VV	465	13791	0.23%	0.072%
20	5.035	5.030	5.047	VV	473	3631	0.06%	0.019%
21	5.058	5.047	5.070	VV	799	9201	0.15%	0.048%
22	5.085	5.070	5.128	VV	2813	38214	0.64%	0.200%
23	5.141	5.128	5.176	VV	841	14735	0.25%	0.077%
24	5.182	5.176	5.186	VV	559	2464	0.04%	0.013%
25	5.191	5.186	5.234	VV	603	6590	0.11%	0.035%
26	5.276	5.249	5.289	VV	437	6522	0.11%	0.034%
27	5.306	5.289	5.342	VV	2872	34754	0.58%	0.182%
28	5.356	5.342	5.360	VV	294	2769	0.05%	0.014%
29	5.365	5.360	5.398	VV	439	5466	0.09%	0.029%
30	5.417	5.398	5.438	VV	278	5647	0.09%	0.030%
31	5.451	5.438	5.466	VV	511	6137	0.10%	0.032%
32	5.472	5.466	5.476	VV	418	2083	0.03%	0.011%
33	5.489	5.476	5.512	VV	767	10438	0.18%	0.055%
34	5.527	5.512	5.549	VV	1414	17610	0.30%	0.092%
35	5.561	5.549	5.571	VV	454	4517	0.08%	0.024%
36	5.581	5.571	5.606	VV	399	5583	0.09%	0.029%

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37	5.613	5.606	5.642	VV	290	4798	0.08%	0.025%
38	5.666	5.648	5.680	VV	468	6425	0.11%	0.034%
39	5.683	5.680	5.700	VV	351	3133	0.05%	0.016%
40	5.712	5.700	5.717	VV	426	2819	0.05%	0.015%
41	5.728	5.717	5.758	VV	533	9362	0.16%	0.049%
42	5.772	5.758	5.790	VV	471	7586	0.13%	0.040%
43	5.800	5.790	5.817	VV	575	6307	0.11%	0.033%
44	5.829	5.817	5.850	VV	568	6252	0.10%	0.033%
45	5.855	5.850	5.922	VV	258	3943	0.07%	0.021%
46	5.941	5.922	5.947	VV	471	5053	0.08%	0.026%
47	5.951	5.947	5.959	VV	435	2283	0.04%	0.012%
48	5.964	5.959	5.973	VV	371	2002	0.03%	0.010%
49	5.980	5.973	5.996	VV	498	3807	0.06%	0.020%
50	6.002	5.996	6.015	VV	418	3285	0.06%	0.017%
51	6.038	6.015	6.079	VV	1879	25486	0.43%	0.133%
52	6.084	6.079	6.090	VV	257	1457	0.02%	0.008%
53	6.095	6.090	6.110	VV	317	1522	0.03%	0.008%
54	6.126	6.110	6.152	VV	697	8677	0.15%	0.045%
55	6.186	6.152	6.230	VV	638	16649	0.28%	0.087%
56	6.241	6.230	6.246	VV	408	3057	0.05%	0.016%
57	6.252	6.246	6.298	VV	531	9312	0.16%	0.049%
58	6.318	6.298	6.343	VV	709	10317	0.17%	0.054%
59	6.355	6.343	6.364	VV	358	3016	0.05%	0.016%
60	6.369	6.364	6.386	VV	349	3256	0.05%	0.017%
61	6.401	6.386	6.448	VV	335	8589	0.14%	0.045%
62	6.466	6.448	6.486	VV	1522	16713	0.28%	0.088%
63	6.510	6.486	6.522	VV	431	5926	0.10%	0.031%
64	6.527	6.522	6.538	VV	487	2742	0.05%	0.014%
65	6.549	6.538	6.565	VV	513	5655	0.09%	0.030%
66	6.591	6.565	6.598	VV	503	6297	0.11%	0.033%
67	6.613	6.598	6.634	VV	1008	10727	0.18%	0.056%
68	6.638	6.634	6.648	PV	187	1102	0.02%	0.006%
69	6.653	6.648	6.673	VV	263	1079	0.02%	0.006%
70	6.686	6.673	6.712	VV	655	6308	0.11%	0.033%
71	6.726	6.712	6.743	VV	386	4557	0.08%	0.024%
72	6.750	6.743	6.764	VV	364	2789	0.05%	0.015%
73	6.790	6.764	6.809	VV	551	7058	0.12%	0.037%
74	6.845	6.817	6.853	VV	391	5509	0.09%	0.029%
75	6.860	6.853	6.875	VV	414	4255	0.07%	0.022%
76	6.880	6.875	6.888	VV	341	1903	0.03%	0.010%
77	6.894	6.888	6.899	VV	446	1891	0.03%	0.010%
78	6.906	6.899	6.925	VV	694	8244	0.14%	0.043%
79	6.931	6.925	6.936	VV	513	2658	0.04%	0.014%
80	6.961	6.936	6.982	VV	969	18939	0.32%	0.099%
81	6.986	6.982	6.994	VV	735	4660	0.08%	0.024%
82	7.008	6.994	7.050	VV	839	20854	0.35%	0.109%
83	7.089	7.050	7.115	VV	1254	22640	0.38%	0.119%
84	7.120	7.115	7.141	VV	351	4523	0.08%	0.024%
85	7.147	7.141	7.159	VV	348	2806	0.05%	0.015%
86	7.162	7.159	7.188	VV	322	5538	0.09%	0.029%
87	7.194	7.188	7.211	VV	468	4304	0.07%	0.023%
88	7.247	7.211	7.283	VV	1625	27727	0.46%	0.145%
89	7.289	7.283	7.292	VV	299	1237	0.02%	0.006%

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90	7.299	7.292	7.325	VV	461	6130	0.10%	0.032%
91	7.333	7.325	7.344	VV	338	2513	0.04%	0.013%
92	7.354	7.344	7.364	VV	423	3317	0.06%	0.017%
93	7.386	7.364	7.412	VV	958	12607	0.21%	0.066%
94	7.417	7.412	7.438	VV	283	2421	0.04%	0.013%
95	7.453	7.438	7.464	VV	480	5118	0.09%	0.027%
96	7.478	7.464	7.495	VV	524	6193	0.10%	0.032%
97	7.533	7.495	7.540	PV	308	5293	0.09%	0.028%
98	7.549	7.540	7.575	VV	425	5100	0.09%	0.027%
99	7.624	7.575	7.633	VV	477	9349	0.16%	0.049%
100	7.651	7.633	7.665	VV	888	12438	0.21%	0.065%
101	7.701	7.665	7.771	VV	613855	5964250	100.00%	31.228%
102	7.796	7.771	7.860	VV	1008	30487	0.51%	0.160%
103	7.873	7.860	7.884	VV	299	3064	0.05%	0.016%
104	7.909	7.884	7.922	VV	278	3791	0.06%	0.020%
105	7.926	7.922	7.939	VV	296	1364	0.02%	0.007%
106	7.950	7.939	7.958	VV	584	4685	0.08%	0.025%
107	7.961	7.958	7.976	VV	404	3190	0.05%	0.017%
108	7.979	7.976	7.990	VV	258	1341	0.02%	0.007%
109	8.014	8.000	8.020	VV	320	2023	0.03%	0.011%
110	8.025	8.020	8.036	VV	243	1640	0.03%	0.009%
111	8.052	8.036	8.079	VV	308	4504	0.08%	0.024%
112	8.098	8.091	8.104	PV	282	1090	0.02%	0.006%
113	8.129	8.104	8.139	VV	317	3972	0.07%	0.021%
114	8.156	8.139	8.160	VV	692	6849	0.11%	0.036%
115	8.165	8.160	8.173	VV	704	4440	0.07%	0.023%
116	8.184	8.173	8.204	VV	732	9082	0.15%	0.048%
117	8.213	8.204	8.229	VV	548	6243	0.10%	0.033%
118	8.255	8.229	8.307	VV	1924	32556	0.55%	0.170%
119	8.321	8.307	8.335	VV	520	6532	0.11%	0.034%
120	8.374	8.335	8.435	VV	966	37344	0.63%	0.196%
121	8.452	8.435	8.475	VV	497	8477	0.14%	0.044%
122	8.486	8.475	8.519	VV	732	10662	0.18%	0.056%
123	8.524	8.519	8.535	VV	412	3203	0.05%	0.017%
124	8.566	8.535	8.608	VV	435500	4266010	71.53%	22.336%
125	8.615	8.608	8.652	VV	1510	20544	0.34%	0.108%
126	8.659	8.652	8.672	VV	446	4433	0.07%	0.023%
127	8.675	8.672	8.684	VV	543	2823	0.05%	0.015%
128	8.689	8.684	8.695	VV	347	1846	0.03%	0.010%
129	8.708	8.695	8.730	VV	646	10365	0.17%	0.054%
130	8.736	8.730	8.739	VV	692	2939	0.05%	0.015%
131	8.745	8.739	8.755	VV	636	5602	0.09%	0.029%
132	8.762	8.755	8.782	VV	676	8863	0.15%	0.046%
133	8.792	8.782	8.812	VV	746	10309	0.17%	0.054%
134	8.815	8.812	8.837	VV	553	4933	0.08%	0.026%
135	8.860	8.837	8.865	VV	487	5606	0.09%	0.029%
136	8.869	8.865	8.874	VV	438	1829	0.03%	0.010%
137	8.881	8.874	8.897	VV	374	4103	0.07%	0.021%
138	8.908	8.897	8.926	VV	721	7318	0.12%	0.038%
139	8.975	8.926	9.039	VV	37864	424378	7.12%	2.222%
140	9.058	9.039	9.079	VV	2262	32116	0.54%	0.168%
141	9.095	9.079	9.109	VV	1201	18562	0.31%	0.097%

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142	9.113	9.109	9.117	VV	1167	5442	0.09%	0.028%
143	9.128	9.117	9.152	VV	1966	24157	0.41%	0.126%
144	9.160	9.152	9.199	VV	438	7759	0.13%	0.041%
145	9.210	9.199	9.217	VV	429	2993	0.05%	0.016%
146	9.224	9.217	9.235	VV	511	3860	0.06%	0.020%
147	9.263	9.235	9.287	VV	950	15533	0.26%	0.081%
148	9.311	9.287	9.332	VV	626	12489	0.21%	0.065%
149	9.363	9.332	9.393	VV	579	13602	0.23%	0.071%
150	9.398	9.393	9.405	VV	281	1643	0.03%	0.009%
151	9.443	9.405	9.485	VV	857	18263	0.31%	0.096%
152	9.492	9.485	9.500	VV	350	2376	0.04%	0.012%
153	9.504	9.500	9.509	VV	440	1913	0.03%	0.010%
154	9.517	9.509	9.537	VV	628	8116	0.14%	0.042%
155	9.545	9.537	9.570	VV	388	5495	0.09%	0.029%
156	9.580	9.570	9.616	VV	528	8702	0.15%	0.046%
157	9.637	9.616	9.644	VV	588	6442	0.11%	0.034%
158	9.645	9.644	9.669	VV	476	5287	0.09%	0.028%
159	9.689	9.669	9.700	VV	799	9759	0.16%	0.051%
160	9.721	9.700	9.759	VV	8430	97149	1.63%	0.509%
161	9.767	9.759	9.785	VV	554	7036	0.12%	0.037%
162	9.789	9.785	9.813	VV	471	6179	0.10%	0.032%
163	9.821	9.813	9.828	VV	277	2448	0.04%	0.013%
164	9.849	9.828	9.878	VV	866	16927	0.28%	0.089%
165	9.885	9.878	9.897	VV	336	3499	0.06%	0.018%
166	9.904	9.897	9.912	VV	335	2305	0.04%	0.012%
167	9.924	9.912	9.929	VV	434	3726	0.06%	0.020%
168	9.943	9.929	9.951	VV	480	4747	0.08%	0.025%
169	9.959	9.951	9.983	VV	453	5738	0.10%	0.030%
170	9.987	9.983	9.991	VV	264	1144	0.02%	0.006%
171	10.030	9.991	10.051	VV	403	10266	0.17%	0.054%
172	10.077	10.051	10.115	VV	446	10266	0.17%	0.054%
173	10.126	10.115	10.149	VV	392	5900	0.10%	0.031%
174	10.176	10.149	10.180	VV	522	6572	0.11%	0.034%
175	10.185	10.180	10.211	VV	464	6202	0.10%	0.032%
176	10.222	10.211	10.244	VV	479	7749	0.13%	0.041%
177	10.250	10.244	10.254	VV	489	2574	0.04%	0.013%
178	10.257	10.254	10.273	VV	574	4163	0.07%	0.022%
179	10.283	10.273	10.295	VV	489	5350	0.09%	0.028%
180	10.310	10.295	10.315	VV	533	5560	0.09%	0.029%
181	10.319	10.315	10.328	VV	539	3199	0.05%	0.017%
182	10.336	10.328	10.351	VV	438	5069	0.08%	0.027%
183	10.374	10.351	10.391	VV	948	13213	0.22%	0.069%
184	10.408	10.391	10.424	VV	482	6258	0.10%	0.033%
185	10.435	10.424	10.450	VV	441	5017	0.08%	0.026%
186	10.458	10.450	10.469	VV	518	4630	0.08%	0.024%
187	10.489	10.469	10.504	VV	637	10968	0.18%	0.057%
188	10.520	10.504	10.535	VV	665	9505	0.16%	0.050%
189	10.573	10.535	10.605	VV	781	22672	0.38%	0.119%
190	10.610	10.605	10.627	VV	518	4692	0.08%	0.025%
191	10.648	10.627	10.655	VV	515	6047	0.10%	0.032%
192	10.658	10.655	10.662	VV	485	1681	0.03%	0.009%
193	10.686	10.662	10.702	VV	1067	17287	0.29%	0.091%
194	10.720	10.702	10.748	VV	839	15456	0.26%	0.081%

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195	10.753	10.748	10.765	VV	423	3343	0.06%	0.018%
196	10.776	10.765	10.795	VV	473	6706	0.11%	0.035%
197	10.823	10.795	10.826	VV	567	8335	0.14%	0.044%
198	10.842	10.826	10.894	VV	1603	29168	0.49%	0.153%
199	10.920	10.894	10.945	VV	944	17819	0.30%	0.093%
200	10.959	10.945	10.964	VV	604	4987	0.08%	0.026%
201	10.967	10.964	10.983	VV	523	4862	0.08%	0.025%
202	10.989	10.983	10.996	VV	456	2828	0.05%	0.015%
203	11.018	10.996	11.032	VV	599	9092	0.15%	0.048%
204	11.041	11.032	11.054	VV	337	3208	0.05%	0.017%
205	11.057	11.054	11.071	VV	282	2057	0.03%	0.011%
206	11.082	11.071	11.089	VV	370	2696	0.05%	0.014%
207	11.090	11.089	11.104	VV	349	2726	0.05%	0.014%
208	11.137	11.104	11.154	VV	542	12110	0.20%	0.063%
209	11.161	11.154	11.172	VV	361	2988	0.05%	0.016%
210	11.178	11.172	11.187	VV	362	2165	0.04%	0.011%
211	11.219	11.187	11.232	VV	634	9434	0.16%	0.049%
212	11.237	11.232	11.247	VV	451	2814	0.05%	0.015%
213	11.253	11.247	11.260	VV	356	2413	0.04%	0.013%
214	11.288	11.267	11.320	VV	783	12499	0.21%	0.065%
215	11.333	11.320	11.339	VV	379	2819	0.05%	0.015%
216	11.351	11.339	11.355	VV	312	2509	0.04%	0.013%
217	11.366	11.355	11.404	VV	495	10880	0.18%	0.057%
218	11.419	11.404	11.439	VV	323	4750	0.08%	0.025%
219	11.449	11.439	11.470	VV	433	5033	0.08%	0.026%
220	11.474	11.470	11.478	VV	299	1164	0.02%	0.006%
221	11.487	11.478	11.492	VV	442	2451	0.04%	0.013%
222	11.496	11.492	11.500	VV	365	1426	0.02%	0.007%
223	11.505	11.500	11.520	VV	297	3139	0.05%	0.016%
224	11.532	11.525	11.539	VV	390	2130	0.04%	0.011%
225	11.541	11.539	11.555	VV	327	1676	0.03%	0.009%
226	11.610	11.555	11.664	PV	359702	3932655	65.94%	20.591%
227	11.677	11.664	11.694	VV	1089	14683	0.25%	0.077%
228	11.707	11.694	11.729	VV	780	11528	0.19%	0.060%
229	11.738	11.729	11.743	VV	404	3176	0.05%	0.017%
230	11.775	11.743	11.784	VV	826	15858	0.27%	0.083%
231	11.788	11.784	11.810	VV	905	9802	0.16%	0.051%
232	11.823	11.810	11.859	VV	888	15190	0.25%	0.080%
233	11.863	11.859	11.869	VV	362	1923	0.03%	0.010%
234	11.878	11.869	11.884	VV	489	3664	0.06%	0.019%
235	11.891	11.884	11.895	VV	502	2809	0.05%	0.015%
236	11.899	11.895	11.905	VV	549	2793	0.05%	0.015%
237	11.908	11.905	11.914	VV	513	2365	0.04%	0.012%
238	11.953	11.914	11.982	VV	699	19395	0.33%	0.102%
239	12.009	11.982	12.035	VV	4138	52698	0.88%	0.276%
240	12.046	12.035	12.055	VV	473	5061	0.08%	0.026%
241	12.060	12.055	12.066	VV	513	2444	0.04%	0.013%
242	12.072	12.066	12.090	VV	471	4612	0.08%	0.024%
243	12.119	12.090	12.147	VV	674	16579	0.28%	0.087%
244	12.159	12.147	12.164	VV	706	5498	0.09%	0.029%
245	12.199	12.164	12.251	VV	9015	131383	2.20%	0.688%
246	12.255	12.251	12.259	VV	649	3013	0.05%	0.016%

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247	12.262	12.259	12.269	VV	598	3298	0.06%	0.017%
248	12.273	12.269	12.289	VV	542	6000	0.10%	0.031%
249	12.295	12.289	12.303	VV	679	3831	0.06%	0.020%
250	12.312	12.303	12.325	VV	650	7230	0.12%	0.038%
251	12.330	12.325	12.350	VV	645	8269	0.14%	0.043%
252	12.356	12.350	12.380	VV	511	9114	0.15%	0.048%
253	12.385	12.380	12.414	VV	696	8947	0.15%	0.047%
254	12.458	12.414	12.508	VV	1273	35631	0.60%	0.187%
255	12.536	12.508	12.559	VV	1461	22590	0.38%	0.118%
256	12.596	12.559	12.622	VV	1174	22701	0.38%	0.119%
257	12.656	12.622	12.696	VV	3484	59440	1.00%	0.311%
258	12.719	12.696	12.737	VV	428	7835	0.13%	0.041%
259	12.757	12.737	12.780	VV	455	6699	0.11%	0.035%
260	12.794	12.780	12.805	VV	427	4659	0.08%	0.024%
261	12.816	12.805	12.843	VV	399	6835	0.11%	0.036%
262	12.852	12.843	12.863	VV	336	3554	0.06%	0.019%
263	12.899	12.863	12.926	VV	426	11315	0.19%	0.059%
264	12.951	12.926	12.978	VV	2748	34888	0.58%	0.183%
265	12.998	12.978	13.010	VV	663	9470	0.16%	0.050%
266	13.040	13.010	13.069	VV	46604	557213	9.34%	2.917%
267	13.084	13.069	13.109	VV	886	14139	0.24%	0.074%
268	13.126	13.109	13.152	VV	556	10386	0.17%	0.054%
269	13.174	13.152	13.192	VV	450	7090	0.12%	0.037%
270	13.259	13.192	13.319	VV	2168	47678	0.80%	0.250%
271	13.341	13.319	13.354	VV	537	8508	0.14%	0.045%
272	13.430	13.354	13.520	VV	3943	96622	1.62%	0.506%
273	13.540	13.520	13.570	VV	785	16895	0.28%	0.088%
274	13.579	13.570	13.586	VV	369	3219	0.05%	0.017%
275	13.602	13.586	13.622	VV	682	9674	0.16%	0.051%
276	13.657	13.622	13.673	VV	629	14742	0.25%	0.077%
277	13.687	13.673	13.714	VV	681	11119	0.19%	0.058%
278	13.739	13.714	13.763	VV	841	15539	0.26%	0.081%
279	13.790	13.763	13.838	VV	1025	24541	0.41%	0.128%
280	13.856	13.838	13.876	VV	582	9095	0.15%	0.048%
281	13.889	13.876	13.904	VV	286	3507	0.06%	0.018%
282	13.925	13.904	13.955	VV	368	4782	0.08%	0.025%
283	14.013	13.955	14.027	PV	289	7032	0.12%	0.037%
284	14.074	14.027	14.086	VV	304	8078	0.14%	0.042%
285	14.097	14.086	14.154	VV	338	8459	0.14%	0.044%
286	14.179	14.154	14.194	VV	619	7952	0.13%	0.042%
287	14.226	14.194	14.258	VV	952	20484	0.34%	0.107%
288	14.275	14.258	14.304	VV	564	10945	0.18%	0.057%
289	14.316	14.304	14.337	VV	397	4685	0.08%	0.025%
290	14.355	14.337	14.405	VV	367	10982	0.18%	0.058%
291	14.447	14.405	14.470	VV	604	13689	0.23%	0.072%
292	14.480	14.470	14.494	VV	448	5427	0.09%	0.028%
293	14.513	14.494	14.540	VV	934	16354	0.27%	0.086%
294	14.563	14.540	14.581	VV	463	10314	0.17%	0.054%
295	14.588	14.581	14.599	VV	377	3632	0.06%	0.019%
296	14.612	14.599	14.622	VV	442	4544	0.08%	0.024%
297	14.646	14.622	14.660	VV	526	9037	0.15%	0.047%
298	14.677	14.660	14.694	VV	585	8419	0.14%	0.044%
299	14.707	14.694	14.760	VV	549	15012	0.25%	0.079%

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300	14.774	14.760	14.799	VV	244	5497	0.09%	0.029%
301	14.823	14.799	14.844	VV	1681	25891	0.43%	0.136%
302	14.862	14.844	14.924	VV	2296	50701	0.85%	0.265%
303	14.928	14.924	14.964	VV	507	5803	0.10%	0.030%
304	14.988	14.964	15.018	VV	381	6393	0.11%	0.033%
305	15.064	15.018	15.082	VV	375	8687	0.15%	0.045%
306	15.088	15.082	15.111	VV	303	4239	0.07%	0.022%
307	15.127	15.111	15.152	VV	541	6725	0.11%	0.035%
308	15.184	15.152	15.230	VV	298	6684	0.11%	0.035%
309	15.266	15.230	15.308	VV	4055	64061	1.07%	0.335%
310	15.315	15.308	15.337	VV	729	9092	0.15%	0.048%
311	15.367	15.337	15.402	VV	437	13739	0.23%	0.072%
312	15.422	15.402	15.450	VV	872	15852	0.27%	0.083%
313	15.463	15.450	15.479	VV	420	4727	0.08%	0.025%
314	15.498	15.479	15.515	VV	903	13029	0.22%	0.068%
315	15.532	15.515	15.572	VV	561	12297	0.21%	0.064%
316	15.624	15.572	15.641	VV	550	13566	0.23%	0.071%
317	15.670	15.641	15.720	VV	537	18659	0.31%	0.098%
318	15.726	15.720	15.739	VV	373	3217	0.05%	0.017%
319	15.745	15.739	15.769	VV	402	5567	0.09%	0.029%
320	15.787	15.769	15.817	VV	658	9095	0.15%	0.048%
321	15.836	15.817	15.848	VV	548	5517	0.09%	0.029%
322	15.872	15.848	15.886	VV	390	7278	0.12%	0.038%
323	15.910	15.886	15.947	VV	955	16536	0.28%	0.087%
324	15.957	15.947	15.982	VV	402	6662	0.11%	0.035%
325	16.006	15.982	16.045	VV	377	10352	0.17%	0.054%
326	16.055	16.045	16.077	VV	421	4292	0.07%	0.022%
327	16.084	16.077	16.104	VV	327	2871	0.05%	0.015%
328	16.114	16.104	16.142	VV	280	3919	0.07%	0.021%
329	16.185	16.142	16.215	PV	407	12690	0.21%	0.066%
330	16.226	16.215	16.234	VV	347	2759	0.05%	0.014%
331	16.278	16.234	16.328	VV	1100	28267	0.47%	0.148%
332	16.374	16.328	16.437	VV	1931	56361	0.94%	0.295%
333	16.473	16.437	16.500	VV	813	18826	0.32%	0.099%
334	16.528	16.500	16.563	VV	742	16262	0.27%	0.085%
335	16.585	16.563	16.617	VV	468	10096	0.17%	0.053%
336	16.646	16.617	16.664	VV	654	11810	0.20%	0.062%
337	16.692	16.664	16.723	VV	1025	17779	0.30%	0.093%
338	16.751	16.723	16.805	VV	2069	36044	0.60%	0.189%
339	16.818	16.805	16.832	VV	546	7703	0.13%	0.040%
340	16.856	16.832	16.885	VV	1339	21456	0.36%	0.112%
341	16.906	16.885	16.918	VV	932	12297	0.21%	0.064%
342	16.932	16.918	16.985	VV	1174	21272	0.36%	0.111%
343	17.002	16.985	17.037	VV	365	7031	0.12%	0.037%
344	17.060	17.037	17.074	VV	177	2882	0.05%	0.015%
345	17.115	17.074	17.130	PV	501	10660	0.18%	0.056%
346	17.136	17.130	17.164	VV	413	4631	0.08%	0.024%
347	17.215	17.164	17.235	VV	1387	27142	0.46%	0.142%
348	17.247	17.235	17.279	VV	659	14140	0.24%	0.074%
349	17.304	17.279	17.332	VV	2048	31324	0.53%	0.164%
350	17.345	17.332	17.365	VV	419	5908	0.10%	0.031%
351	17.406	17.365	17.462	VV	457	14632	0.25%	0.077%

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352	17.483	17.462	17.493	VV	306	3899	0.07%	0.020%	
353	17.532	17.493	17.569	VV	607	12697	0.21%	0.066%	
354	17.589	17.569	17.634	VV	308	7311	0.12%	0.038%	
355	17.644	17.634	17.653	PV	302	2440	0.04%	0.013%	
356	17.663	17.653	17.674	VV	297	2735	0.05%	0.014%	
357	17.741	17.674	17.777	VV	2660	46706	0.78%	0.245%	
358	17.798	17.777	17.807	VV	392	4231	0.07%	0.022%	
359	17.829	17.807	17.878	VV	1062	22632	0.38%	0.118%	
360	17.905	17.878	17.940	VV	572	10277	0.17%	0.054%	
361	17.956	17.940	17.967	VV	324	4247	0.07%	0.022%	
362	17.970	17.967	17.993	VV	405	3274	0.05%	0.017%	
363	18.024	17.993	18.047	VV	564	10277	0.17%	0.054%	
364	18.093	18.047	18.135	VV	5444	111560	1.87%	0.584%	
365	18.158	18.135	18.195	VV	5477	87243	1.46%	0.457%	
366	18.224	18.195	18.235	VV	378	6705	0.11%	0.035%	
367	18.259	18.235	18.317	VV	619	15700	0.26%	0.082%	
368	18.364	18.317	18.398	VV	1910	30216	0.51%	0.158%	
369	18.421	18.398	18.452	VV	591	6840	0.11%	0.036%	
370	18.483	18.452	18.497	PV	231	2775	0.05%	0.015%	

Sum of corrected areas: 19099144

Aromatic EPH 100225.M Sat Oct 04 04:49:52 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
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
FE056157.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	0.23	J	0.17	1.24	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	0.14	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.35	J	0.16	1.24	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.66	U	0.66	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.31		1.47	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.4		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3266-01	Acq On:	02 Oct 2025 20:05
Client Sample ID:	ENV-3-6FT	Operator:	YP\AJ
Data file:	FE056157.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	389531	2.782	300	ug/ml
Aliphatic C12-C16	6.946	10.395	651876	4.25	200	ug/ml
Aliphatic C16-C21	10.396	13.772	690986	4.166	300	ug/ml
Aliphatic C21-C28	13.773	17.442	514215	3.462	400	ug/ml
Aliphatic C28-C40	17.443	22.448	10371915	76.123	600	ug/ml
Aliphatic EPH	3.311	22.448	12618523	90.783		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	3543930	25.39		ug/ml
Aliphatic C9-C28	3.311	17.442	2246608	14.66	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056157.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 20:05
Operator : YP\AJ
Sample : Q3266-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-3-6FT

Integration File: autoint1.e
Quant Time: Oct 03 01:01:18 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...	13.504	3543930	25.393 ug/ml
Spiked Amount 50.000		Recovery =	50.79%

Target Compounds

(f)=RT Delta > 1/2 Window

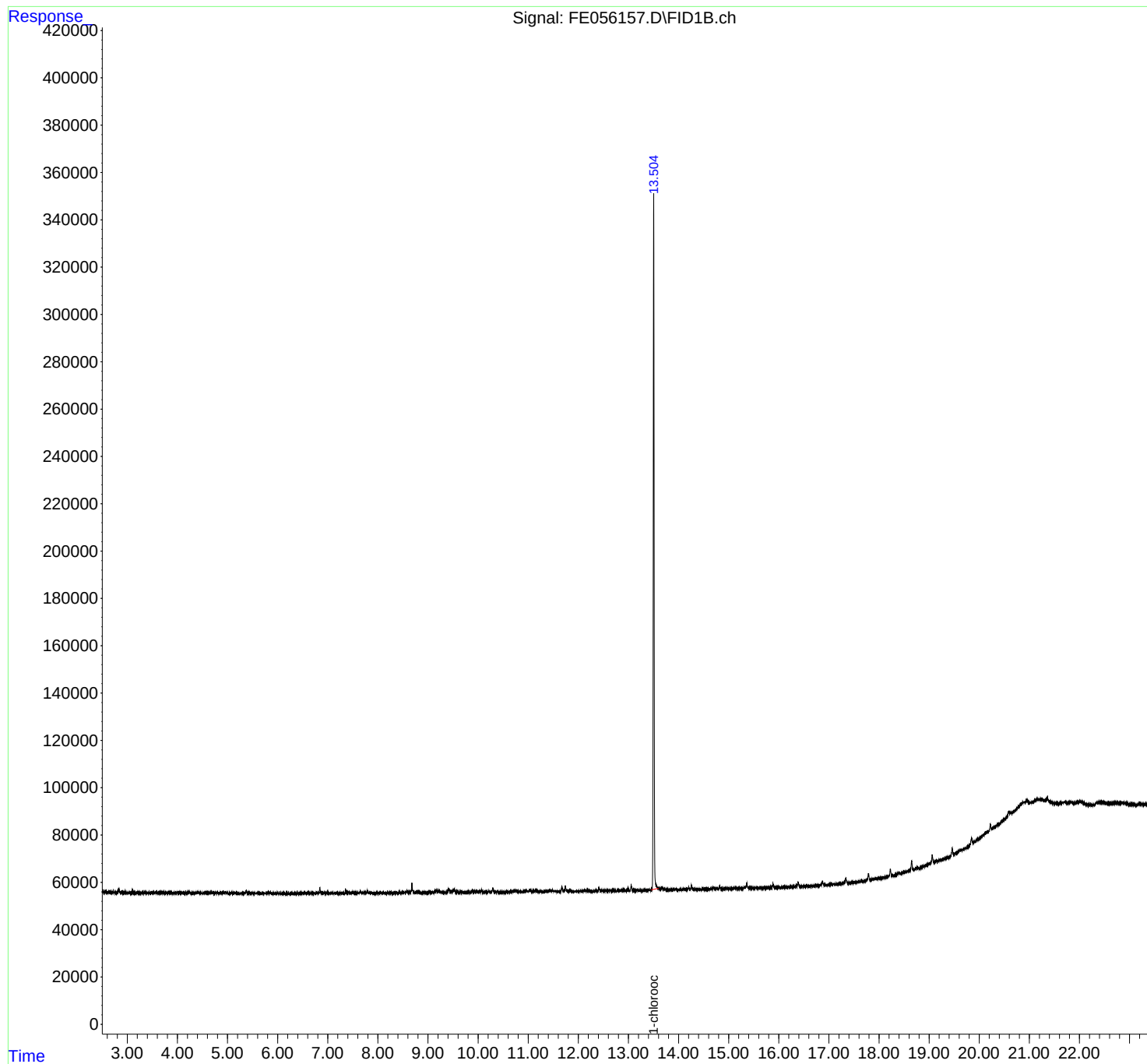
(m)=manual int.

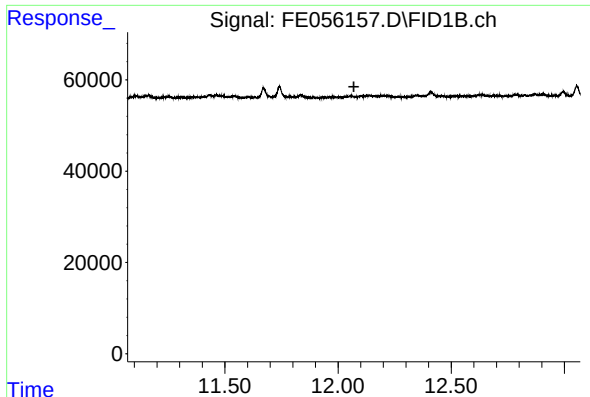
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056157.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 20:05
Operator : YP\AJ
Sample : Q3266-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-3-6FT

Integration File: autoint1.e
Quant Time: Oct 03 01:01:18 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

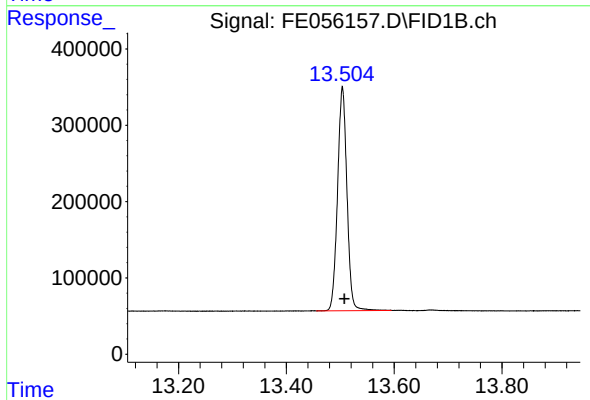




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_E
ClientSampleId :
ENV-3-6FT



#12 1-chlorooctadecane (SURR)

R.T.: 13.504 min
Delta R.T.: -0.003 min
Response: 3543930
Conc: 25.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
 Data File : FE056157.D
 Signal(s) : FID1B.ch
 Acq On : 02 Oct 2025 20:05
 Sample : Q3266-01
 Misc :
 ALS Vial : 20 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	2.825	2.804	2.874	PH	1503	22822	0.63%	0.140%
2	2.880	2.874	2.925	PV	181	1316	0.04%	0.008%
3	2.948	2.925	3.040	PV	693	8444	0.23%	0.052%
4	3.051	3.040	3.088	VV	95	499	0.01%	0.003%
5	3.105	3.088	3.145	PV	974	10275	0.28%	0.063%
6	3.159	3.145	3.178	VV	91	1111	0.03%	0.007%
7	3.188	3.178	3.203	VV	176	1382	0.04%	0.008%
8	3.220	3.203	3.249	VV	167	2914	0.08%	0.018%
9	3.258	3.249	3.298	VV	142	2302	0.06%	0.014%
10	3.317	3.298	3.376	PV	156	3633	0.10%	0.022%
11	3.411	3.376	3.454	VV	324	7211	0.20%	0.044%
12	3.465	3.454	3.488	VV	118	1885	0.05%	0.012%
13	3.529	3.488	3.611	VV	181	9511	0.26%	0.058%
14	3.660	3.611	3.672	VV	219	5876	0.16%	0.036%
15	3.688	3.672	3.711	VV	172	3560	0.10%	0.022%
16	3.727	3.711	3.778	VV	215	4820	0.13%	0.030%
17	3.806	3.778	3.824	VV	243	3203	0.09%	0.020%
18	3.835	3.824	3.843	VV	133	928	0.03%	0.006%
19	3.864	3.843	3.936	VV	210	6407	0.18%	0.039%
20	3.947	3.936	3.978	VV	178	1856	0.05%	0.011%
21	4.002	3.978	4.015	VV	196	2782	0.08%	0.017%
22	4.023	4.015	4.075	VV	146	2888	0.08%	0.018%
23	4.105	4.075	4.125	VV	261	3145	0.09%	0.019%
24	4.155	4.125	4.175	VV	119	2397	0.07%	0.015%
25	4.211	4.175	4.228	VV	371	5822	0.16%	0.036%
26	4.241	4.228	4.303	VV	467	7081	0.20%	0.043%
27	4.318	4.303	4.354	VV	208	3647	0.10%	0.022%
28	4.365	4.354	4.374	VV	168	1621	0.04%	0.010%
29	4.396	4.374	4.441	VV	458	10382	0.29%	0.064%
30	4.472	4.441	4.499	VV	225	5450	0.15%	0.033%
31	4.517	4.499	4.535	VV	234	3094	0.09%	0.019%
32	4.547	4.535	4.598	VV	174	4721	0.13%	0.029%
33	4.605	4.598	4.618	VV	154	1598	0.04%	0.010%
34	4.669	4.618	4.697	VV	647	11923	0.33%	0.073%
35	4.714	4.697	4.735	VV	260	3538	0.10%	0.022%
36	4.750	4.735	4.767	VV	145	2299	0.06%	0.014%

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37	4.786	4.767	4.820	VV	374	6510	0.18%	0.040%
38	4.857	4.820	4.875	VV	487	7882	0.22%	0.048%
39	4.891	4.875	4.903	VV	189	2602	0.07%	0.016%
40	4.919	4.903	4.941	VV	465	6571	0.18%	0.040%
41	4.954	4.941	5.034	VV	727	15260	0.42%	0.094%
42	5.063	5.034	5.070	VV	269	4673	0.13%	0.029%
43	5.085	5.070	5.131	VV	310	8912	0.25%	0.055%
44	5.135	5.131	5.152	VV	321	2771	0.08%	0.017%
45	5.175	5.152	5.231	VV	215	6359	0.18%	0.039%
46	5.246	5.231	5.262	PV	114	1666	0.05%	0.010%
47	5.286	5.262	5.328	VV	209	4193	0.12%	0.026%
48	5.373	5.328	5.409	VV	1468	21773	0.60%	0.134%
49	5.434	5.409	5.454	VV	455	6566	0.18%	0.040%
50	5.464	5.454	5.481	VV	167	1960	0.05%	0.012%
51	5.494	5.481	5.538	VV	230	2481	0.07%	0.015%
52	5.546	5.538	5.563	PV	101	1239	0.03%	0.008%
53	5.579	5.563	5.608	VV	159	2705	0.07%	0.017%
54	5.622	5.608	5.640	VV	148	1926	0.05%	0.012%
55	5.698	5.640	5.748	VV	171	7165	0.20%	0.044%
56	5.752	5.748	5.760	VV	146	825	0.02%	0.005%
57	5.776	5.760	5.794	VV	195	2867	0.08%	0.018%
58	5.810	5.794	5.833	VV	744	9251	0.25%	0.057%
59	5.853	5.833	5.881	VV	749	10774	0.30%	0.066%
60	5.914	5.881	5.942	VV	315	6004	0.17%	0.037%
61	5.960	5.942	5.987	VV	190	3299	0.09%	0.020%
62	6.000	5.987	6.064	VV	272	6793	0.19%	0.042%
63	6.078	6.064	6.089	VV	184	2101	0.06%	0.013%
64	6.107	6.089	6.145	VV	200	4399	0.12%	0.027%
65	6.182	6.145	6.214	PV	160	3502	0.10%	0.021%
66	6.227	6.214	6.241	VV	88	1164	0.03%	0.007%
67	6.245	6.241	6.274	VV	104	1419	0.04%	0.009%
68	6.279	6.274	6.285	VV	119	547	0.02%	0.003%
69	6.340	6.285	6.369	VV	190	6994	0.19%	0.043%
70	6.396	6.369	6.418	VV	362	6460	0.18%	0.040%
71	6.442	6.418	6.471	VV	277	6162	0.17%	0.038%
72	6.488	6.471	6.525	VV	470	9301	0.26%	0.057%
73	6.549	6.525	6.581	VV	395	8228	0.23%	0.050%
74	6.627	6.581	6.656	VV	321	10711	0.30%	0.066%
75	6.665	6.656	6.673	VV	213	1867	0.05%	0.011%
76	6.684	6.673	6.708	VV	195	3466	0.10%	0.021%
77	6.728	6.708	6.744	VV	206	3550	0.10%	0.022%
78	6.749	6.744	6.774	VV	206	2879	0.08%	0.018%
79	6.782	6.774	6.791	VV	201	1832	0.05%	0.011%
80	6.808	6.791	6.821	VV	250	3527	0.10%	0.022%
81	6.842	6.821	6.874	VV	2576	28830	0.79%	0.177%
82	6.883	6.874	6.896	VV	254	2282	0.06%	0.014%
83	6.928	6.896	6.946	VV	319	6005	0.17%	0.037%
84	6.965	6.946	6.981	VV	251	3402	0.09%	0.021%
85	6.998	6.981	7.018	VV	604	6708	0.18%	0.041%
86	7.031	7.018	7.058	VV	219	3463	0.10%	0.021%
87	7.072	7.058	7.114	VV	273	4358	0.12%	0.027%
88	7.131	7.114	7.156	VV	133	1665	0.05%	0.010%
89	7.173	7.156	7.197	VV	134	1668	0.05%	0.010%

					rteres			
90	7.217	7.197	7.273	VV	157	3254	0.09%	0.020%
91	7.300	7.273	7.338	VV	312	5824	0.16%	0.036%
92	7.354	7.338	7.447	VV	991	22320	0.62%	0.137%
93	7.484	7.447	7.510	VV	555	11898	0.33%	0.073%
94	7.527	7.510	7.548	VV	278	4242	0.12%	0.026%
95	7.565	7.548	7.620	VV	352	8684	0.24%	0.053%
96	7.650	7.620	7.688	VV	1052	16510	0.46%	0.101%
97	7.707	7.688	7.748	VV	314	8818	0.24%	0.054%
98	7.755	7.748	7.772	VV	389	4419	0.12%	0.027%
99	7.793	7.772	7.821	VV	1185	16453	0.45%	0.101%
100	7.826	7.821	7.844	VV	255	2793	0.08%	0.017%
101	7.852	7.844	7.872	VV	244	2921	0.08%	0.018%
102	7.886	7.872	7.918	VV	297	3531	0.10%	0.022%
103	7.964	7.918	7.986	PV	165	3738	0.10%	0.023%
104	7.998	7.986	8.018	VV	140	1211	0.03%	0.007%
105	8.059	8.018	8.084	VV	535	7158	0.20%	0.044%
106	8.097	8.084	8.115	VV	97	1342	0.04%	0.008%
107	8.143	8.115	8.180	VV	179	3736	0.10%	0.023%
108	8.227	8.180	8.248	VV	258	6554	0.18%	0.040%
109	8.256	8.248	8.354	VV	184	5043	0.14%	0.031%
110	8.369	8.354	8.398	VV	616	6325	0.17%	0.039%
111	8.428	8.398	8.448	VV	524	6077	0.17%	0.037%
112	8.475	8.448	8.484	VV	147	2357	0.06%	0.014%
113	8.497	8.484	8.518	VV	240	3148	0.09%	0.019%
114	8.585	8.518	8.628	VV	825	22937	0.63%	0.141%
115	8.678	8.628	8.749	VV	4249	67568	1.86%	0.415%
116	8.805	8.749	8.858	VV	467	20394	0.56%	0.125%
117	8.872	8.858	8.896	VV	230	3812	0.11%	0.023%
118	8.914	8.896	8.936	VV	245	3642	0.10%	0.022%
119	8.945	8.936	8.979	VV	93	1287	0.04%	0.008%
120	9.034	8.979	9.048	VV	334	8190	0.23%	0.050%
121	9.059	9.048	9.068	VV	252	2646	0.07%	0.016%
122	9.102	9.068	9.113	VV	378	7246	0.20%	0.044%
123	9.159	9.113	9.202	VV	948	37180	1.02%	0.228%
124	9.220	9.202	9.270	VV	877	22902	0.63%	0.141%
125	9.284	9.270	9.316	VV	378	6565	0.18%	0.040%
126	9.338	9.316	9.364	VV	370	6754	0.19%	0.041%
127	9.411	9.364	9.434	VV	1950	35953	0.99%	0.221%
128	9.443	9.434	9.479	VV	865	16032	0.44%	0.098%
129	9.524	9.479	9.554	VV	1327	37142	1.02%	0.228%
130	9.564	9.554	9.575	VV	369	3853	0.11%	0.024%
131	9.596	9.575	9.631	VV	493	9059	0.25%	0.056%
132	9.646	9.631	9.667	VV	340	5418	0.15%	0.033%
133	9.694	9.667	9.712	VV	289	6200	0.17%	0.038%
134	9.731	9.712	9.777	VV	277	6893	0.19%	0.042%
135	9.806	9.777	9.831	VV	397	8670	0.24%	0.053%
136	9.839	9.831	9.856	VV	179	2190	0.06%	0.013%
137	9.879	9.856	9.914	VV	796	14755	0.41%	0.091%
138	9.932	9.914	9.949	VV	471	8299	0.23%	0.051%
139	9.973	9.949	9.996	VV	504	10943	0.30%	0.067%
140	10.020	9.996	10.050	VV	598	12132	0.33%	0.074%
141	10.071	10.050	10.111	VV	1300	18252	0.50%	0.112%

					rteres			
142	10.148	10.111	10.176	VV	227	7101	0.20%	0.044%
143	10.212	10.176	10.267	VV	803	17454	0.48%	0.107%
144	10.292	10.267	10.344	VV	1996	32008	0.88%	0.196%
145	10.362	10.344	10.411	VV	265	8779	0.24%	0.054%
146	10.436	10.411	10.448	VV	192	3605	0.10%	0.022%
147	10.461	10.448	10.516	VV	293	5859	0.16%	0.036%
148	10.525	10.516	10.532	VV	87	803	0.02%	0.005%
149	10.546	10.532	10.553	PV	110	1196	0.03%	0.007%
150	10.568	10.553	10.584	VV	260	3486	0.10%	0.021%
151	10.637	10.584	10.651	VV	324	9280	0.26%	0.057%
152	10.686	10.651	10.709	VV	683	13922	0.38%	0.085%
153	10.737	10.709	10.812	VV	794	31598	0.87%	0.194%
154	10.829	10.812	10.867	VV	392	9879	0.27%	0.061%
155	10.962	10.867	10.997	VV	725	33933	0.94%	0.208%
156	11.034	10.997	11.073	VV	1330	28219	0.78%	0.173%
157	11.108	11.073	11.124	VV	643	13834	0.38%	0.085%
158	11.164	11.124	11.196	VV	745	21275	0.59%	0.131%
159	11.252	11.196	11.275	VV	488	14570	0.40%	0.089%
160	11.298	11.275	11.336	VV	303	9105	0.25%	0.056%
161	11.363	11.336	11.372	VV	379	6256	0.17%	0.038%
162	11.377	11.372	11.388	VV	318	2758	0.08%	0.017%
163	11.434	11.388	11.450	VV	823	18745	0.52%	0.115%
164	11.464	11.450	11.517	VV	773	20651	0.57%	0.127%
165	11.541	11.517	11.588	VV	515	13411	0.37%	0.082%
166	11.607	11.588	11.618	VV	213	3922	0.11%	0.024%
167	11.671	11.618	11.714	VV	2287	39244	1.08%	0.241%
168	11.741	11.714	11.807	VV	2565	43336	1.19%	0.266%
169	11.836	11.807	11.869	VV	700	13407	0.37%	0.082%
170	11.877	11.869	11.885	VV	176	1216	0.03%	0.007%
171	11.891	11.885	11.917	VV	136	1707	0.05%	0.010%
172	11.931	11.917	11.948	PV	172	1912	0.05%	0.012%
173	11.976	11.948	12.006	VV	331	5519	0.15%	0.034%
174	12.060	12.006	12.081	VV	370	11124	0.31%	0.068%
175	12.099	12.081	12.111	VV	381	5861	0.16%	0.036%
176	12.137	12.111	12.159	VV	520	12454	0.34%	0.076%
177	12.167	12.159	12.181	VV	353	4486	0.12%	0.028%
178	12.204	12.181	12.251	VV	472	14465	0.40%	0.089%
179	12.263	12.251	12.278	VV	239	3070	0.08%	0.019%
180	12.310	12.278	12.324	VV	201	4396	0.12%	0.027%
181	12.348	12.324	12.368	VV	450	8933	0.25%	0.055%
182	12.411	12.368	12.501	VV	1252	34362	0.95%	0.211%
183	12.511	12.501	12.535	VV	273	4415	0.12%	0.027%
184	12.549	12.535	12.561	VV	288	3657	0.10%	0.022%
185	12.633	12.561	12.669	VV	522	20100	0.55%	0.123%
186	12.685	12.669	12.731	VV	385	9937	0.27%	0.061%
187	12.750	12.731	12.762	VV	257	3950	0.11%	0.024%
188	12.782	12.762	12.815	VV	545	11436	0.32%	0.070%
189	12.824	12.815	12.837	VV	352	4159	0.11%	0.026%
190	12.870	12.837	12.889	VV	601	12786	0.35%	0.078%
191	12.908	12.889	12.944	VV	573	12264	0.34%	0.075%
192	12.958	12.944	12.967	VV	268	2821	0.08%	0.017%
193	12.995	12.967	13.024	VV	1059	17447	0.48%	0.107%
194	13.055	13.024	13.111	VV	2328	37566	1.04%	0.230%

					rteres			
195	13.116	13.111	13.140	VV	217	3264	0.09%	0.020%
196	13.174	13.140	13.234	VV	489	11372	0.31%	0.070%
197	13.260	13.234	13.286	PV	148	2213	0.06%	0.014%
198	13.330	13.286	13.364	VV	291	6955	0.19%	0.043%
199	13.420	13.364	13.429	VV	316	7588	0.21%	0.047%
200	13.504	13.429	13.644	VV	293655	3628152	100.00%	22.262%
201	13.668	13.644	13.763	VV	1432	47257	1.30%	0.290%
202	13.776	13.763	13.815	VV	326	8099	0.22%	0.050%
203	13.831	13.815	13.844	VV	227	3148	0.09%	0.019%
204	13.888	13.844	13.921	VV	323	11342	0.31%	0.070%
205	13.941	13.921	13.984	VV	415	10100	0.28%	0.062%
206	14.016	13.984	14.034	VV	365	6320	0.17%	0.039%
207	14.053	14.034	14.080	VV	268	5520	0.15%	0.034%
208	14.108	14.080	14.158	VV	391	11584	0.32%	0.071%
209	14.205	14.158	14.229	VV	998	19091	0.53%	0.117%
210	14.257	14.229	14.341	VV	2001	36940	1.02%	0.227%
211	14.386	14.341	14.394	VV	208	3804	0.10%	0.023%
212	14.422	14.394	14.437	VV	138	2301	0.06%	0.014%
213	14.478	14.437	14.512	PV	294	7370	0.20%	0.045%
214	14.524	14.512	14.537	VV	275	2846	0.08%	0.017%
215	14.554	14.537	14.574	VV	217	3065	0.08%	0.019%
216	14.697	14.574	14.724	VV	919	25560	0.70%	0.157%
217	14.738	14.724	14.748	VV	266	3544	0.10%	0.022%
218	14.775	14.748	14.801	VV	360	8385	0.23%	0.051%
219	14.821	14.801	14.862	VV	1137	18094	0.50%	0.111%
220	14.892	14.862	14.904	VV	203	4060	0.11%	0.025%
221	14.914	14.904	14.933	VV	238	3184	0.09%	0.020%
222	14.969	14.933	14.999	VV	310	8239	0.23%	0.051%
223	15.036	14.999	15.063	VV	174	4508	0.12%	0.028%
224	15.138	15.063	15.199	VV	359	15454	0.43%	0.095%
225	15.321	15.199	15.337	VV	795	18450	0.51%	0.113%
226	15.363	15.337	15.404	VV	2375	39930	1.10%	0.245%
227	15.413	15.404	15.434	VV	292	3872	0.11%	0.024%
228	15.449	15.434	15.474	VV	205	3454	0.10%	0.021%
229	15.558	15.474	15.599	VV	225	9674	0.27%	0.059%
230	15.616	15.599	15.653	VV	268	2338	0.06%	0.014%
231	15.702	15.653	15.723	PV	75	2432	0.07%	0.015%
232	15.773	15.723	15.818	PV	240	8114	0.22%	0.050%
233	15.885	15.818	15.991	VV	1583	36426	1.00%	0.224%
234	16.067	15.991	16.094	PV	142	5775	0.16%	0.035%
235	16.156	16.094	16.169	VV	126	3364	0.09%	0.021%
236	16.215	16.169	16.231	VV	198	4076	0.11%	0.025%
237	16.259	16.231	16.298	VV	169	4368	0.12%	0.027%
238	16.387	16.298	16.473	VV	1926	45265	1.25%	0.278%
239	16.516	16.473	16.541	VV	175	4226	0.12%	0.026%
240	16.611	16.541	16.634	VV	170	6578	0.18%	0.040%
241	16.700	16.634	16.721	PV	173	3864	0.11%	0.024%
242	16.871	16.721	16.938	VV	1870	33779	0.93%	0.207%
243	17.044	16.938	17.064	PV	159	4581	0.13%	0.028%
244	17.220	17.064	17.245	VV	266	8457	0.23%	0.052%
245	17.338	17.245	17.391	PV	2226	42634	1.18%	0.262%
246	17.452	17.391	17.474	VV	170	3819	0.11%	0.023%

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247	17.606	17.474	17.640	PV	264	9181	0.25%	0.056%	
248	17.790	17.640	17.844	PV	2830	53787	1.48%	0.330%	
249	18.016	17.844	18.041	VV	197	13897	0.38%	0.085%	
250	18.227	18.041	18.258	PV	2778	43563	1.20%	0.267%	
251	18.394	18.258	18.444	PV	430	11469	0.32%	0.070%	
252	18.499	18.444	18.516	PV	247	4274	0.12%	0.026%	
253	18.651	18.516	18.691	VV	3944	63681	1.76%	0.391%	
254	18.759	18.691	18.781	PV	543	9206	0.25%	0.056%	
255	19.062	18.781	19.104	PV	3546	68825	1.90%	0.422%	
256	19.460	19.104	19.494	VV	3283	84653	2.33%	0.519%	
257	19.847	19.494	19.876	VV	4693	344202	9.49%	2.112%	
258	20.223	19.876	20.251	VV	7318	929304	25.61%	5.702%	
259	20.588	20.251	20.637	VV	10342	1676897	46.22%	10.289%	
260	20.954	20.637	21.010	VV	12528	2423882	66.81%	14.873%	
261	21.189	21.010	21.328	VV	10858	2001772	55.17%	12.283%	
262	21.358	21.328	21.531	VV	9963	968348	26.69%	5.942%	
263	21.599	21.531	21.614	VV	5980	302292	8.33%	1.855%	
264	21.691	21.614	21.764	VV	5959	504358	13.90%	3.095%	
265	21.816	21.764	21.904	VV	4865	369091	10.17%	2.265%	
266	22.004	21.904	22.182	VV	3566	457789	12.62%	2.809%	
267	22.206	22.182	22.284	VV	752	27625	0.76%	0.170%	
					Sum of corrected areas:	16297742			

Aliphatic EPH 092425.M Fri Oct 03 02:30:31 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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 20:36	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	1	0.16	1.15	mg/kg	FE056158.D
Aliphatic C12-C16	Aliphatic C12-C16	0.60	J	1	0.13	0.77	mg/kg	FE056158.D
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	1	0.15	1.15	mg/kg	FE056158.D
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	1	0.61	1.53	mg/kg	FE056158.D
Aliphatic C28-C40	Aliphatic C28-C40	7.08		1	1.35	2.29	mg/kg	FE056158.D
Aromatic C10-C12	Aromatic C10-C12	0.32	J	1	0.14	0.77	mg/kg	FD049809.D
Aromatic C12-C16	Aromatic C12-C16	0.36	J	1	0.26	1.15	mg/kg	FD049809.D
Aromatic C16-C21	Aromatic C16-C21	2.95		1	0.46	1.91	mg/kg	FD049809.D
Aromatic C21-C36	Aromatic C21-C36	8.16		1	1.37	3.06	mg/kg	FD049809.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.39	6.88	mg/kg	
Total AromaticEPH	Total AromaticEPH	11.8			2.23	6.88	mg/kg	
Total EPH	Total EPH	21.4			4.63	13.8	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:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
FD049809.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	0.32	J	0.14	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	J	0.26	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.95		0.46	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	8.16		1.37	3.06	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.1		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	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:	Q3266-02	Acq On:	02 Oct 2025 23:07
Client Sample ID:	ENV-3-6FT	Operator:	YP/AJ
Data file:	FD049809.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	508884	4.144	200	ug/ml
Aromatic C12-C16	6.132	8.759	666863	4.652	300	ug/ml
Aromatic C16-C21	8.760	13.049	5478100	38.532	500	ug/ml
Aromatic C21-C36	13.050	18.468	13205354	106.648	800	ug/ml
Aromatic EPH	4.389	18.468	19859201	153.976		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	5450117	36.51		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	5839926	49.15		ug/ml
2-Fluorobiphenyl (SURR)	8.563	8.563	4156975	48.96		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
 Data File : FD049809.D
 Signal(s) : FID2B.ch
 Acq On : 02 Oct 2025 23:07
 Operator : YP/AJ
 Sample : Q3266-02
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 ENV-4-6FT

Integration File: autoint1.e
 Quant Time: Oct 03 06:19:51 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	5839926	49.152 ug/ml
Spiked Amount 50.000		Recovery =	98.30%
6) S 2-Fluorobiphenyl (SURR)	8.563	4156975	48.963 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.93%
11) S ortho-Terphenyl (SURR)	11.609	5450117	36.508 ug/ml
Spiked Amount 50.000		Recovery =	73.02%

Target Compounds

(f)=RT Delta > 1/2 Window

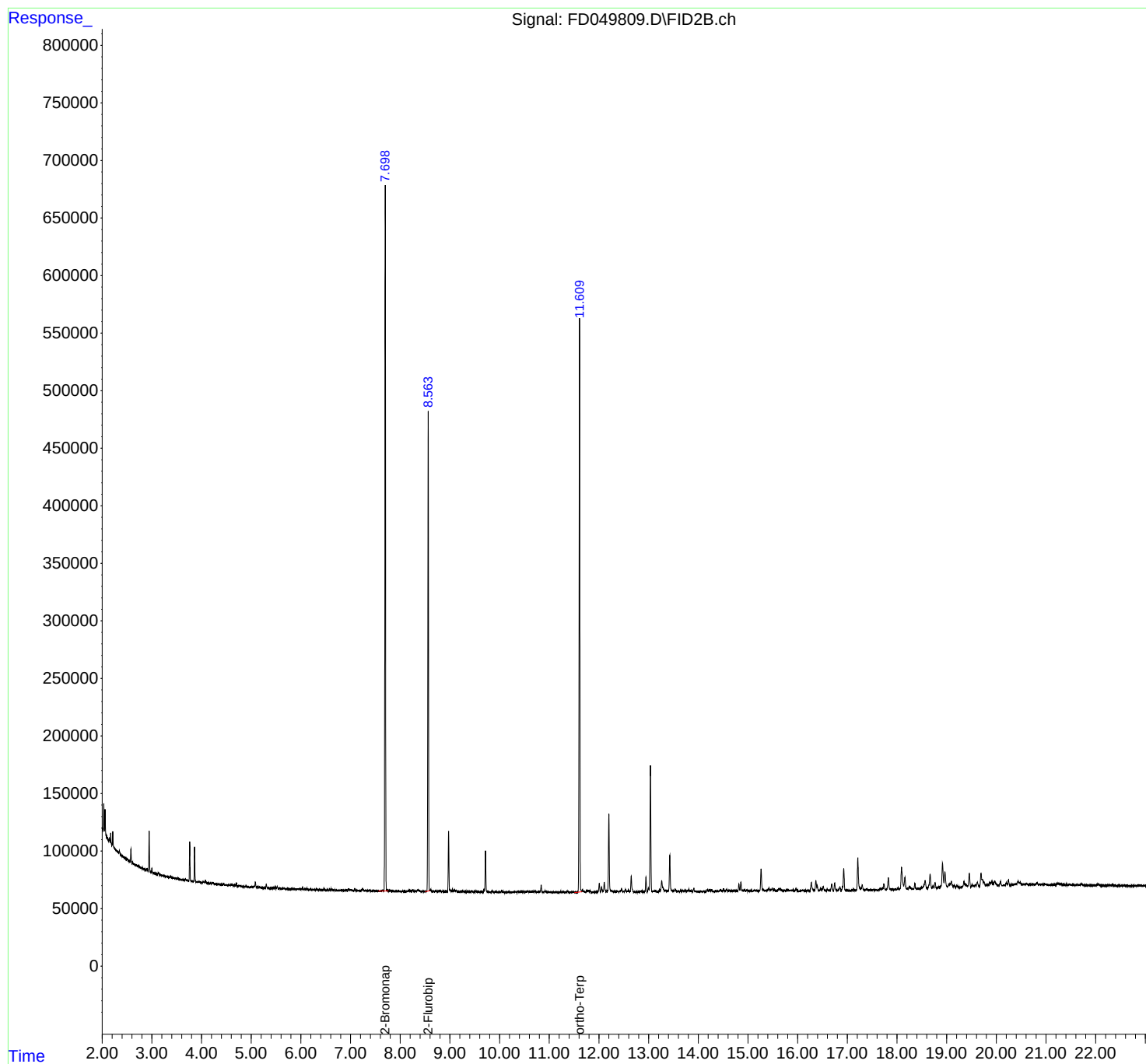
(m)=manual int.

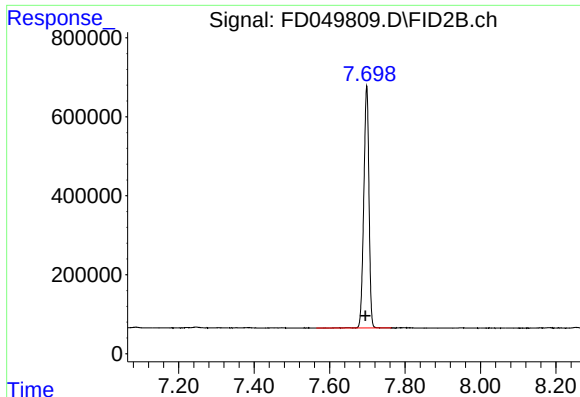
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049809.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 23:07
Operator : YP/AJ
Sample : Q3266-02
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-4-6FT

Integration File: autoint1.e
Quant Time: Oct 03 06:19:51 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

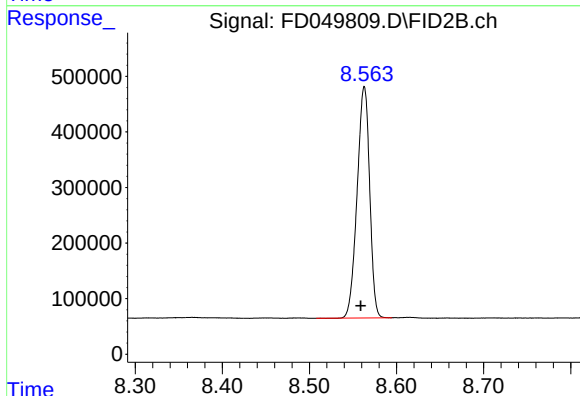




#4 2-Bromonaphthalene (SURRE)

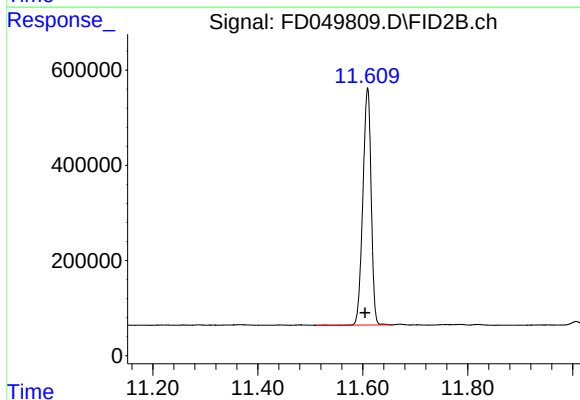
R.T.: 7.698 min
Delta R.T.: 0.003 min
Response: 5839926
Conc: 49.15 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-4-6FT



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.563 min
Delta R.T.: 0.004 min
Response: 4156975
Conc: 48.96 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.609 min
Delta R.T.: 0.004 min
Response: 5450117
Conc: 36.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049809.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 23:07
Sample : Q3266-02
Misc :
ALS Vial : 72 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	4.342	4.332	4.391	PV	439	6844	0.12%	0.019%
2	4.402	4.391	4.417	VV	325	2687	0.05%	0.008%
3	4.448	4.417	4.475	PV	1696	16581	0.28%	0.047%
4	4.492	4.475	4.508	VV	718	6695	0.11%	0.019%
5	4.514	4.508	4.535	VV	262	3166	0.05%	0.009%
6	4.542	4.535	4.558	VV	655	6571	0.11%	0.019%
7	4.563	4.558	4.578	VV	500	3434	0.06%	0.010%
8	4.594	4.578	4.605	VV	941	9646	0.16%	0.027%
9	4.616	4.605	4.640	VV	1834	18710	0.32%	0.053%
10	4.652	4.640	4.657	VV	353	2705	0.05%	0.008%
11	4.671	4.657	4.686	VV	1560	15991	0.27%	0.045%
12	4.703	4.686	4.732	VV	2829	27444	0.47%	0.077%
13	4.738	4.732	4.744	PV	208	1134	0.02%	0.003%
14	4.756	4.744	4.772	VV	1131	10178	0.17%	0.029%
15	4.783	4.772	4.811	VV	832	10268	0.18%	0.029%
16	4.817	4.811	4.842	VV	336	4966	0.08%	0.014%
17	4.847	4.842	4.870	VV	229	2922	0.05%	0.008%
18	4.893	4.870	4.931	VV	526	7645	0.13%	0.022%
19	4.951	4.931	4.964	PV	319	3779	0.06%	0.011%
20	4.972	4.964	4.993	VV	284	2864	0.05%	0.008%
21	5.004	4.993	5.028	VV	415	5760	0.10%	0.016%
22	5.058	5.028	5.066	VV	1218	13477	0.23%	0.038%
23	5.083	5.066	5.117	VV	4929	56081	0.96%	0.158%
24	5.140	5.117	5.160	VV	970	15108	0.26%	0.043%
25	5.165	5.160	5.177	VV	357	2694	0.05%	0.008%
26	5.182	5.177	5.187	VV	263	1328	0.02%	0.004%
27	5.194	5.187	5.200	VV	495	2403	0.04%	0.007%
28	5.203	5.200	5.212	VV	318	1246	0.02%	0.004%
29	5.218	5.212	5.229	VV	253	1721	0.03%	0.005%
30	5.234	5.229	5.258	PV	186	2299	0.04%	0.006%
31	5.272	5.258	5.286	VV	488	4351	0.07%	0.012%
32	5.303	5.286	5.336	VV	3554	38661	0.66%	0.109%
33	5.342	5.336	5.352	VV	247	1278	0.02%	0.004%
34	5.363	5.352	5.387	VV	359	3862	0.07%	0.011%
35	5.397	5.387	5.421	VV	262	2453	0.04%	0.007%
36	5.448	5.421	5.467	VV	707	10479	0.18%	0.030%

					rteres			
37	5.485	5.467	5.505	VV	1392	16168	0.28%	0.046%
38	5.524	5.505	5.544	VV	1984	23697	0.40%	0.067%
39	5.557	5.544	5.565	VV	399	3857	0.07%	0.011%
40	5.580	5.565	5.605	VV	788	10937	0.19%	0.031%
41	5.612	5.605	5.623	VV	471	3549	0.06%	0.010%
42	5.636	5.623	5.640	VV	454	3729	0.06%	0.011%
43	5.645	5.640	5.660	VV	597	5716	0.10%	0.016%
44	5.666	5.660	5.692	VV	554	5846	0.10%	0.016%
45	5.722	5.704	5.739	VV	474	5090	0.09%	0.014%
46	5.771	5.749	5.803	VV	469	10307	0.18%	0.029%
47	5.819	5.803	5.838	VV	736	8781	0.15%	0.025%
48	5.860	5.838	5.875	VV	437	5808	0.10%	0.016%
49	5.881	5.875	5.895	VV	441	4017	0.07%	0.011%
50	5.900	5.895	5.920	VV	446	4281	0.07%	0.012%
51	5.934	5.920	5.958	VV	457	7140	0.12%	0.020%
52	5.974	5.958	6.000	VV	470	8845	0.15%	0.025%
53	6.005	6.000	6.011	VV	399	2433	0.04%	0.007%
54	6.014	6.011	6.017	VV	435	1302	0.02%	0.004%
55	6.035	6.017	6.062	VV	2290	27272	0.47%	0.077%
56	6.081	6.062	6.100	VV	681	11862	0.20%	0.033%
57	6.123	6.100	6.151	VV	1380	17660	0.30%	0.050%
58	6.156	6.151	6.169	VV	247	2114	0.04%	0.006%
59	6.180	6.169	6.230	VV	777	12753	0.22%	0.036%
60	6.249	6.230	6.274	VV	556	9480	0.16%	0.027%
61	6.275	6.274	6.287	VV	286	1619	0.03%	0.005%
62	6.313	6.287	6.344	VV	1017	15160	0.26%	0.043%
63	6.360	6.344	6.369	VV	407	2419	0.04%	0.007%
64	6.377	6.369	6.418	VV	305	5828	0.10%	0.016%
65	6.436	6.427	6.442	VV	291	2026	0.03%	0.006%
66	6.462	6.442	6.492	VV	1622	19767	0.34%	0.056%
67	6.500	6.492	6.514	VV	394	2494	0.04%	0.007%
68	6.523	6.514	6.530	VV	327	1862	0.03%	0.005%
69	6.546	6.530	6.563	VV	712	7589	0.13%	0.021%
70	6.584	6.563	6.594	PV	550	6272	0.11%	0.018%
71	6.613	6.594	6.635	VV	1503	17902	0.31%	0.050%
72	6.644	6.635	6.663	VV	471	4787	0.08%	0.013%
73	6.685	6.663	6.707	VV	845	9391	0.16%	0.026%
74	6.723	6.707	6.732	VV	325	2846	0.05%	0.008%
75	6.737	6.732	6.758	VV	291	2535	0.04%	0.007%
76	6.767	6.758	6.775	VV	251	1539	0.03%	0.004%
77	6.781	6.775	6.817	VV	377	5608	0.10%	0.016%
78	6.832	6.817	6.885	VV	382	10452	0.18%	0.029%
79	6.904	6.885	6.932	VV	733	9873	0.17%	0.028%
80	6.960	6.932	6.979	VV	1125	20611	0.35%	0.058%
81	6.981	6.979	6.989	VV	779	4134	0.07%	0.012%
82	7.005	6.989	7.014	VV	989	12063	0.21%	0.034%
83	7.019	7.014	7.052	VV	861	11094	0.19%	0.031%
84	7.086	7.052	7.111	VV	1940	28188	0.48%	0.079%
85	7.121	7.111	7.139	VV	313	3622	0.06%	0.010%
86	7.141	7.139	7.148	VV	299	1078	0.02%	0.003%
87	7.154	7.148	7.184	VV	288	4129	0.07%	0.012%
88	7.194	7.184	7.205	VV	309	2720	0.05%	0.008%
89	7.224	7.205	7.234	VV	1120	11876	0.20%	0.033%

					rteres			
90	7.246	7.234	7.278	VV	2327	29244	0.50%	0.082%
91	7.305	7.278	7.322	VV	622	10390	0.18%	0.029%
92	7.325	7.322	7.340	VV	509	4138	0.07%	0.012%
93	7.353	7.340	7.365	VV	611	6949	0.12%	0.020%
94	7.385	7.365	7.412	VV	1055	14976	0.26%	0.042%
95	7.447	7.412	7.452	PV	448	5275	0.09%	0.015%
96	7.455	7.452	7.462	VV	447	2329	0.04%	0.007%
97	7.474	7.462	7.500	VV	744	7069	0.12%	0.020%
98	7.511	7.500	7.518	PV	218	1498	0.03%	0.004%
99	7.546	7.518	7.566	VV	353	5919	0.10%	0.017%
100	7.589	7.566	7.603	VV	341	5342	0.09%	0.015%
101	7.623	7.603	7.634	VV	556	8045	0.14%	0.023%
102	7.649	7.634	7.668	VV	982	14040	0.24%	0.040%
103	7.698	7.668	7.774	VV	613675	5855064	100.00%	16.489%
104	7.796	7.774	7.835	VV	941	22597	0.39%	0.064%
105	7.843	7.835	7.854	VV	271	2368	0.04%	0.007%
106	7.860	7.854	7.887	VV	370	4090	0.07%	0.012%
107	7.907	7.887	7.927	VV	443	6024	0.10%	0.017%
108	7.934	7.927	7.938	VV	307	1859	0.03%	0.005%
109	7.950	7.938	7.964	VV	745	8303	0.14%	0.023%
110	7.975	7.964	7.992	VV	434	5662	0.10%	0.016%
111	8.002	7.992	8.015	VV	327	3356	0.06%	0.009%
112	8.019	8.015	8.062	VV	304	7919	0.14%	0.022%
113	8.082	8.062	8.101	VV	494	7663	0.13%	0.022%
114	8.105	8.101	8.127	VV	296	3197	0.05%	0.009%
115	8.158	8.127	8.168	VV	805	12026	0.21%	0.034%
116	8.181	8.168	8.200	VV	1261	16335	0.28%	0.046%
117	8.210	8.200	8.227	VV	751	8152	0.14%	0.023%
118	8.253	8.227	8.273	VV	1978	26028	0.44%	0.073%
119	8.282	8.273	8.300	VV	493	5549	0.09%	0.016%
120	8.314	8.300	8.331	VV	662	9200	0.16%	0.026%
121	8.366	8.331	8.432	VV	1714	50751	0.87%	0.143%
122	8.455	8.432	8.471	PV	718	10095	0.17%	0.028%
123	8.488	8.471	8.519	VV	738	9280	0.16%	0.026%
124	8.563	8.519	8.594	VV	417331	4188810	71.54%	11.797%
125	8.599	8.594	8.602	VV	1305	5995	0.10%	0.017%
126	8.615	8.602	8.647	VV	1906	26594	0.45%	0.075%
127	8.658	8.647	8.689	VV	708	11379	0.19%	0.032%
128	8.712	8.689	8.731	VV	847	15615	0.27%	0.044%
129	8.741	8.731	8.777	VV	777	17781	0.30%	0.050%
130	8.793	8.777	8.802	VV	852	10900	0.19%	0.031%
131	8.810	8.802	8.831	VV	954	10619	0.18%	0.030%
132	8.837	8.831	8.845	VV	300	2331	0.04%	0.007%
133	8.856	8.845	8.866	VV	594	5603	0.10%	0.016%
134	8.871	8.866	8.885	VV	518	4357	0.07%	0.012%
135	8.906	8.885	8.921	VV	596	7785	0.13%	0.022%
136	8.937	8.921	8.949	VV	598	6558	0.11%	0.018%
137	8.974	8.949	9.039	VV	52791	559424	9.55%	1.575%
138	9.055	9.039	9.079	VV	1762	28002	0.48%	0.079%
139	9.093	9.079	9.114	VV	1757	28383	0.48%	0.080%
140	9.127	9.114	9.154	VV	1533	21274	0.36%	0.060%
141	9.162	9.154	9.184	VV	659	6026	0.10%	0.017%

					rteres			
142	9.192	9.184	9.198	VV	182	1327	0.02%	0.004%
143	9.217	9.198	9.242	VV	731	12355	0.21%	0.035%
144	9.259	9.242	9.286	VV	1096	16673	0.28%	0.047%
145	9.303	9.286	9.327	VV	782	12214	0.21%	0.034%
146	9.358	9.327	9.390	VV	889	17473	0.30%	0.049%
147	9.401	9.390	9.420	VV	555	5978	0.10%	0.017%
148	9.441	9.420	9.482	VV	1167	22340	0.38%	0.063%
149	9.521	9.482	9.562	VV	1042	23287	0.40%	0.066%
150	9.583	9.562	9.595	VV	608	8425	0.14%	0.024%
151	9.604	9.595	9.615	VV	483	4307	0.07%	0.012%
152	9.634	9.615	9.640	VV	591	7514	0.13%	0.021%
153	9.643	9.640	9.672	VV	666	8349	0.14%	0.024%
154	9.687	9.672	9.695	VV	1850	18482	0.32%	0.052%
155	9.717	9.695	9.752	VV	36229	376398	6.43%	1.060%
156	9.762	9.752	9.782	VV	777	11355	0.19%	0.032%
157	9.785	9.782	9.829	VV	488	9983	0.17%	0.028%
158	9.851	9.829	9.886	VV	1253	21498	0.37%	0.061%
159	9.890	9.886	9.897	VV	351	1866	0.03%	0.005%
160	9.908	9.897	9.915	VV	514	3957	0.07%	0.011%
161	9.925	9.915	9.956	VV	551	8849	0.15%	0.025%
162	9.960	9.956	9.986	VV	324	3223	0.06%	0.009%
163	10.017	9.986	10.024	PV	456	5802	0.10%	0.016%
164	10.045	10.024	10.069	VV	2065	25488	0.44%	0.072%
165	10.078	10.069	10.099	VV	474	5237	0.09%	0.015%
166	10.104	10.099	10.114	VV	228	1765	0.03%	0.005%
167	10.125	10.114	10.138	VV	348	2967	0.05%	0.008%
168	10.183	10.138	10.211	VV	631	14624	0.25%	0.041%
169	10.219	10.211	10.225	VV	242	1695	0.03%	0.005%
170	10.235	10.225	10.242	VV	408	3324	0.06%	0.009%
171	10.288	10.242	10.294	VV	742	15031	0.26%	0.042%
172	10.309	10.294	10.339	VV	845	16184	0.28%	0.046%
173	10.368	10.339	10.394	VV	976	16751	0.29%	0.047%
174	10.401	10.394	10.420	VV	467	5554	0.09%	0.016%
175	10.435	10.420	10.453	VV	911	13462	0.23%	0.038%
176	10.471	10.453	10.478	VV	799	8766	0.15%	0.025%
177	10.492	10.478	10.509	VV	1015	13538	0.23%	0.038%
178	10.541	10.509	10.552	VV	859	18347	0.31%	0.052%
179	10.571	10.552	10.593	VV	1027	19203	0.33%	0.054%
180	10.607	10.593	10.624	VV	930	12870	0.22%	0.036%
181	10.639	10.624	10.663	VV	1108	18833	0.32%	0.053%
182	10.681	10.663	10.703	VV	1107	21255	0.36%	0.060%
183	10.717	10.703	10.732	VV	1091	15300	0.26%	0.043%
184	10.747	10.732	10.761	VV	760	10226	0.17%	0.029%
185	10.777	10.761	10.798	VV	813	13240	0.23%	0.037%
186	10.806	10.798	10.820	VV	975	10447	0.18%	0.029%
187	10.838	10.820	10.899	VV	6571	83585	1.43%	0.235%
188	10.914	10.899	10.942	VV	1585	22029	0.38%	0.062%
189	10.968	10.942	10.990	VV	599	11039	0.19%	0.031%
190	11.008	10.990	11.015	VV	480	5787	0.10%	0.016%
191	11.019	11.015	11.028	VV	535	3193	0.05%	0.009%
192	11.035	11.028	11.049	VV	485	4169	0.07%	0.012%
193	11.056	11.049	11.068	VV	416	2602	0.04%	0.007%
194	11.093	11.079	11.100	VV	448	3271	0.06%	0.009%

					rteres			
195	11.105	11.100	11.112	VV	315	1363	0.02%	0.004%
196	11.127	11.112	11.180	VV	869	15885	0.27%	0.045%
197	11.182	11.180	11.195	VV	271	1554	0.03%	0.004%
198	11.222	11.195	11.236	PV	635	10146	0.17%	0.029%
199	11.258	11.236	11.274	VV	730	9175	0.16%	0.026%
200	11.288	11.274	11.303	VV	959	10774	0.18%	0.030%
201	11.316	11.303	11.325	VV	577	5698	0.10%	0.016%
202	11.339	11.325	11.345	VV	679	6331	0.11%	0.018%
203	11.364	11.345	11.420	VV	1345	30332	0.52%	0.085%
204	11.441	11.420	11.462	VV	785	12204	0.21%	0.034%
205	11.481	11.462	11.510	VV	912	13538	0.23%	0.038%
206	11.530	11.510	11.550	VV	548	8762	0.15%	0.025%
207	11.609	11.556	11.655	VV	497903	5485040	93.68%	15.447%
208	11.671	11.655	11.692	VV	2421	35063	0.60%	0.099%
209	11.704	11.692	11.728	VV	1206	19222	0.33%	0.054%
210	11.760	11.728	11.772	VV	1651	33334	0.57%	0.094%
211	11.786	11.772	11.805	VV	2020	29303	0.50%	0.083%
212	11.819	11.805	11.854	VV	1903	28749	0.49%	0.081%
213	11.873	11.854	11.885	VV	536	7287	0.12%	0.021%
214	11.954	11.885	11.970	VV	1089	35034	0.60%	0.099%
215	12.007	11.970	12.030	VV	8343	113196	1.93%	0.319%
216	12.053	12.030	12.082	VV	5045	79342	1.36%	0.223%
217	12.107	12.082	12.156	VV	8972	152773	2.61%	0.430%
218	12.200	12.156	12.270	VV	68803	862219	14.73%	2.428%
219	12.287	12.270	12.302	VV	1555	25786	0.44%	0.073%
220	12.313	12.302	12.321	VV	1590	15866	0.27%	0.045%
221	12.325	12.321	12.350	VV	1496	22174	0.38%	0.062%
222	12.357	12.350	12.368	VV	1313	14016	0.24%	0.039%
223	12.374	12.368	12.395	VV	1359	20492	0.35%	0.058%
224	12.400	12.395	12.410	VV	1100	9724	0.17%	0.027%
225	12.426	12.410	12.434	VV	1855	21740	0.37%	0.061%
226	12.457	12.434	12.479	VV	3164	58848	1.01%	0.166%
227	12.486	12.479	12.504	VV	1494	19216	0.33%	0.054%
228	12.535	12.504	12.557	VV	3414	63318	1.08%	0.178%
229	12.571	12.557	12.580	VV	1668	19600	0.33%	0.055%
230	12.596	12.580	12.623	VV	2426	43149	0.74%	0.122%
231	12.650	12.623	12.697	VV	14806	225548	3.85%	0.635%
232	12.703	12.697	12.725	VV	992	14525	0.25%	0.041%
233	12.728	12.725	12.735	VV	853	4723	0.08%	0.013%
234	12.748	12.735	12.755	VV	928	10234	0.17%	0.029%
235	12.765	12.755	12.770	VV	1060	8135	0.14%	0.023%
236	12.789	12.770	12.805	VV	1232	22495	0.38%	0.063%
237	12.811	12.805	12.827	VV	1378	15254	0.26%	0.043%
238	12.840	12.827	12.854	VV	1533	21454	0.37%	0.060%
239	12.857	12.854	12.899	VV	1544	34591	0.59%	0.097%
240	12.902	12.899	12.907	VV	1148	5265	0.09%	0.015%
241	12.947	12.907	12.972	VV	13968	180753	3.09%	0.509%
242	12.995	12.972	13.011	VV	4369	70531	1.20%	0.199%
243	13.037	13.011	13.069	VV	110991	1296680	22.15%	3.652%
244	13.081	13.069	13.108	VV	1662	36442	0.62%	0.103%
245	13.126	13.108	13.182	VV	1963	69410	1.19%	0.195%
246	13.220	13.182	13.239	VV	2885	68263	1.17%	0.192%

					rteres			
247	13.265	13.239	13.334	VV	10906	277357	4.74%	0.781%
248	13.347	13.334	13.384	VV	2504	63956	1.09%	0.180%
249	13.427	13.384	13.491	VV	33052	511125	8.73%	1.439%
250	13.534	13.491	13.566	VV	3797	112539	1.92%	0.317%
251	13.570	13.566	13.575	VV	1637	8676	0.15%	0.024%
252	13.583	13.575	13.590	VV	1722	14487	0.25%	0.041%
253	13.608	13.590	13.625	VV	2140	36954	0.63%	0.104%
254	13.645	13.625	13.665	VV	2528	49252	0.84%	0.139%
255	13.682	13.665	13.707	VV	2734	52042	0.89%	0.147%
256	13.737	13.707	13.762	VV	2854	70456	1.20%	0.198%
257	13.789	13.762	13.797	VV	2642	46875	0.80%	0.132%
258	13.811	13.797	13.837	VV	3461	62664	1.07%	0.176%
259	13.852	13.837	13.877	VV	2768	48579	0.83%	0.137%
260	13.909	13.877	13.939	VV	4400	93883	1.60%	0.264%
261	13.944	13.939	13.959	VV	1852	20486	0.35%	0.058%
262	13.964	13.959	13.975	VV	1738	15654	0.27%	0.044%
263	13.979	13.975	13.984	VV	1764	9265	0.16%	0.026%
264	13.990	13.984	14.002	VV	1721	17462	0.30%	0.049%
265	14.007	14.002	14.030	VV	1699	26420	0.45%	0.074%
266	14.049	14.030	14.065	VV	1785	33483	0.57%	0.094%
267	14.071	14.065	14.075	VV	1574	9474	0.16%	0.027%
268	14.079	14.075	14.094	VV	1701	16395	0.28%	0.046%
269	14.115	14.094	14.131	VV	1710	34809	0.59%	0.098%
270	14.180	14.131	14.206	VV	3196	97096	1.66%	0.273%
271	14.225	14.206	14.252	VV	3337	75568	1.29%	0.213%
272	14.268	14.252	14.327	VV	3380	103257	1.76%	0.291%
273	14.346	14.327	14.365	VV	2494	49471	0.84%	0.139%
274	14.375	14.365	14.400	VV	2231	43565	0.74%	0.123%
275	14.412	14.400	14.417	VV	2132	21357	0.36%	0.060%
276	14.447	14.417	14.489	VV	3603	113630	1.94%	0.320%
277	14.509	14.489	14.529	VV	4288	76180	1.30%	0.215%
278	14.542	14.529	14.548	VV	2314	24774	0.42%	0.070%
279	14.572	14.548	14.595	VV	3833	82457	1.41%	0.232%
280	14.601	14.595	14.604	VV	2328	13224	0.23%	0.037%
281	14.608	14.604	14.615	VV	2275	13979	0.24%	0.039%
282	14.634	14.615	14.650	VV	2853	54631	0.93%	0.154%
283	14.668	14.650	14.684	VV	2422	46985	0.80%	0.132%
284	14.688	14.684	14.701	VV	2530	24477	0.42%	0.069%
285	14.725	14.701	14.764	VV	2935	95133	1.62%	0.268%
286	14.778	14.764	14.789	VV	2420	34995	0.60%	0.099%
287	14.817	14.789	14.836	VV	8369	134769	2.30%	0.380%
288	14.857	14.836	14.881	VV	10176	163252	2.79%	0.460%
289	14.885	14.881	14.913	VV	3054	53193	0.91%	0.150%
290	14.931	14.913	14.960	VV	3769	81508	1.39%	0.230%
291	14.980	14.960	15.010	VV	3756	86446	1.48%	0.243%
292	15.019	15.010	15.037	VV	2589	38977	0.67%	0.110%
293	15.056	15.037	15.093	VV	2939	86541	1.48%	0.244%
294	15.124	15.093	15.170	VV	3059	125202	2.14%	0.353%
295	15.179	15.170	15.206	VV	2816	56119	0.96%	0.158%
296	15.220	15.206	15.225	VV	2545	27960	0.48%	0.079%
297	15.264	15.225	15.346	VV	21758	464519	7.93%	1.308%
298	15.364	15.346	15.380	VV	2978	58555	1.00%	0.165%
299	15.425	15.380	15.446	VV	4999	140747	2.40%	0.396%

					rteres			
300	15.489	15.446	15.510	VV	4686	144493	2.47%	0.407%
301	15.528	15.510	15.556	VV	3714	89069	1.52%	0.251%
302	15.570	15.556	15.587	VV	3101	52154	0.89%	0.147%
303	15.626	15.587	15.646	VV	4434	127413	2.18%	0.359%
304	15.653	15.646	15.702	VV	3923	107440	1.83%	0.303%
305	15.724	15.702	15.752	VV	3168	87453	1.49%	0.246%
306	15.783	15.752	15.801	VV	3499	91781	1.57%	0.258%
307	15.809	15.801	15.846	VV	3294	83351	1.42%	0.235%
308	15.866	15.846	15.880	VV	3479	64187	1.10%	0.181%
309	15.883	15.880	15.890	VV	2996	17372	0.30%	0.049%
310	15.909	15.890	15.930	VV	3641	76963	1.31%	0.217%
311	15.935	15.930	15.941	VV	2910	17414	0.30%	0.049%
312	15.967	15.941	16.004	VV	4671	127027	2.17%	0.358%
313	16.010	16.004	16.029	VV	2777	39823	0.68%	0.112%
314	16.058	16.029	16.067	VV	2732	58171	0.99%	0.164%
315	16.099	16.067	16.113	VV	3141	81540	1.39%	0.230%
316	16.123	16.113	16.146	VV	3030	57318	0.98%	0.161%
317	16.153	16.146	16.172	VV	2852	42648	0.73%	0.120%
318	16.193	16.172	16.202	VV	3059	53761	0.92%	0.151%
319	16.207	16.202	16.227	VV	3092	40406	0.69%	0.114%
320	16.239	16.227	16.245	VV	2876	31220	0.53%	0.088%
321	16.275	16.245	16.335	VV	9676	273762	4.68%	0.771%
322	16.367	16.335	16.388	VV	11765	223509	3.82%	0.629%
323	16.395	16.388	16.435	VV	7063	127831	2.18%	0.360%
324	16.464	16.435	16.487	VV	4861	122512	2.09%	0.345%
325	16.516	16.487	16.551	VV	6793	177359	3.03%	0.499%
326	16.557	16.551	16.570	VV	3385	38026	0.65%	0.107%
327	16.596	16.570	16.643	VV	4011	150790	2.58%	0.425%
328	16.687	16.643	16.715	VV	8958	217099	3.71%	0.611%
329	16.746	16.715	16.799	VV	9872	248989	4.25%	0.701%
330	16.823	16.799	16.830	VV	3842	66219	1.13%	0.186%
331	16.849	16.830	16.874	VV	6456	126825	2.17%	0.357%
332	16.929	16.874	16.968	VV	22325	471150	8.05%	1.327%
333	16.990	16.968	17.024	VV	3587	114731	1.96%	0.323%
334	17.030	17.024	17.052	VV	3349	53136	0.91%	0.150%
335	17.056	17.052	17.077	VV	3255	45752	0.78%	0.129%
336	17.118	17.077	17.139	VV	4057	132626	2.27%	0.374%
337	17.141	17.139	17.147	VV	3397	16459	0.28%	0.046%
338	17.152	17.147	17.155	VV	3479	17658	0.30%	0.050%
339	17.158	17.155	17.169	VV	3557	27572	0.47%	0.078%
340	17.212	17.169	17.267	VV	31641	629769	10.76%	1.774%
341	17.273	17.267	17.279	VV	5019	34979	0.60%	0.099%
342	17.300	17.279	17.352	VV	7882	229324	3.92%	0.646%
343	17.386	17.352	17.432	VV	4825	192596	3.29%	0.542%
344	17.449	17.432	17.456	VV	3942	53001	0.91%	0.149%
345	17.469	17.456	17.491	VV	4243	81854	1.40%	0.231%
346	17.520	17.491	17.555	VV	4104	146847	2.51%	0.414%
347	17.562	17.555	17.575	VV	3748	43923	0.75%	0.124%
348	17.579	17.575	17.585	VV	3791	22420	0.38%	0.063%
349	17.590	17.585	17.606	VV	3825	46551	0.80%	0.131%
350	17.668	17.606	17.689	VV	5101	216704	3.70%	0.610%
351	17.711	17.689	17.715	VV	5386	78243	1.34%	0.220%

						rteres		
352	17.738	17.715	17.766	VV	8976	197519	3.37%	0.556%
353	17.781	17.766	17.785	VV	4455	49224	0.84%	0.139%
354	17.826	17.785	17.872	VV	14670	376928	6.44%	1.062%
355	17.887	17.872	17.899	VV	4541	72871	1.24%	0.205%
356	17.905	17.899	17.928	VV	4567	76573	1.31%	0.216%
357	17.934	17.928	17.938	VV	4221	24418	0.42%	0.069%
358	17.957	17.938	17.993	VV	4780	148878	2.54%	0.419%
359	18.020	17.993	18.042	VV	5691	145290	2.48%	0.409%
360	18.092	18.042	18.135	VV	23731	637527	10.89%	1.795%
361	18.159	18.135	18.225	VV	15133	423720	7.24%	1.193%
362	18.251	18.225	18.333	VV	6906	368233	6.29%	1.037%
363	18.360	18.333	18.392	VV	9801	232711	3.97%	0.655%
364	18.406	18.392	18.418	VV	5384	84494	1.44%	0.238%
365	18.423	18.418	18.430	VV	5376	36252	0.62%	0.102%
366	18.436	18.430	18.440	VV	5391	33396	0.57%	0.094%
367	18.447	18.440	18.467	VV	5382	83125	1.42%	0.234%
368	18.494	18.467	18.500	VBA	6288	113005	1.93%	0.318%
						Sum of corrected areas:	35507974	

Aromatic EPH 100225.M Fri Oct 03 06:58:45 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
FE056158.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	0.36	J	0.16	1.15	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.60	J	0.13	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	0.15	1.15	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	0.61	1.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.08		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3266-02	Acq On:	02 Oct 2025 20:36
Client Sample ID:	ENV-3-6FT	Operator:	YP\AJ
Data file:	FE056158.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	653145	4.664	300	ug/ml
Aliphatic C12-C16	6.946	10.395	1193691	7.783	200	ug/ml
Aliphatic C16-C21	10.396	13.772	1010402	6.091	300	ug/ml
Aliphatic C21-C28	13.773	17.442	2161234	14.551	400	ug/ml
Aliphatic C28-C40	17.443	22.448	12609271	92.544	600	ug/ml
Aliphatic EPH	3.311	22.448	17627743	125.633		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	5980742	42.85		ug/ml
Aliphatic C9-C28	3.311	17.442	5018472	33.089	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056158.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 20:36
Operator : YP\AJ
Sample : Q3266-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-4-6FT

Integration File: autoint1.e
Quant Time: Oct 03 02:13:47 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	5980742	42.853 ug/ml
Spiked Amount 50.000		Recovery =	85.71%

Target Compounds

(f)=RT Delta > 1/2 Window

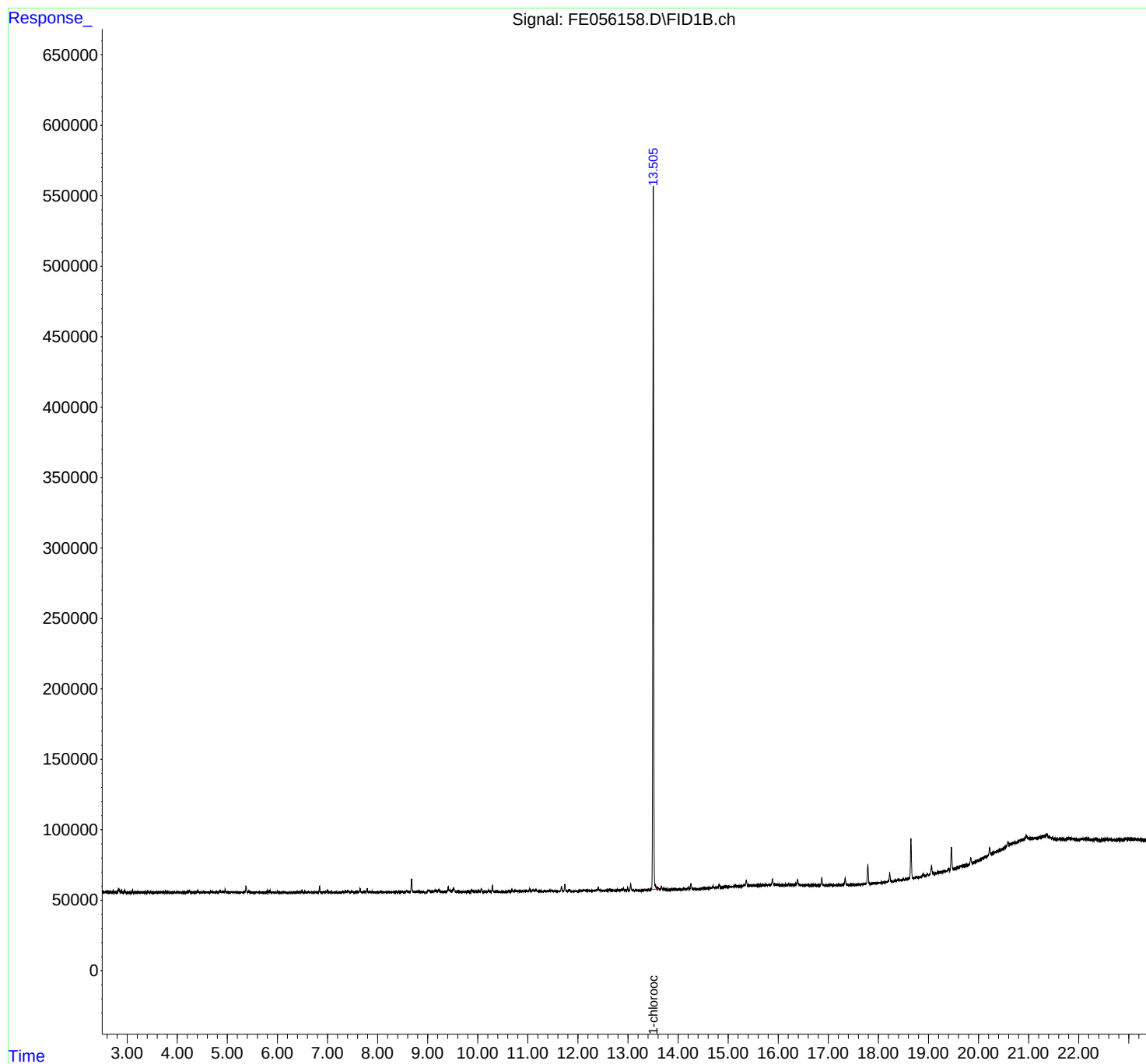
(m)=manual int.

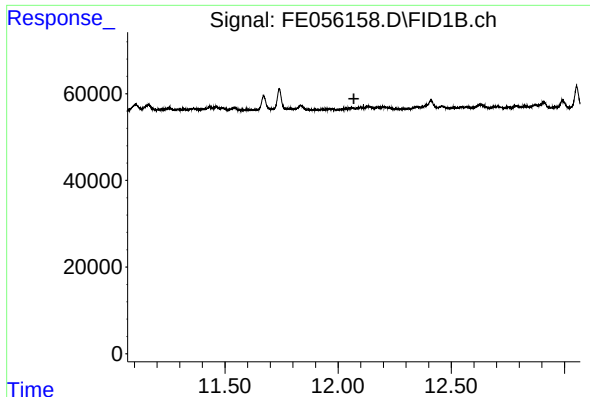
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056158.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 20:36
Operator : YP\AJ
Sample : Q3266-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-4-6FT

Integration File: autoint1.e
Quant Time: Oct 03 02:13:47 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

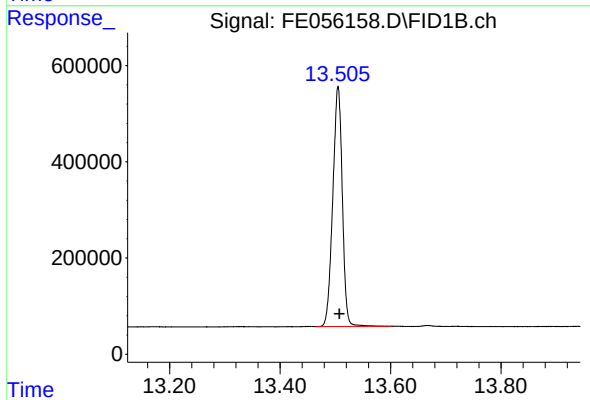




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_E
ClientSampleId :
ENV-4-6FT



#12 1-chlorooctadecane (SURR)

R.T.: 13.505 min
Delta R.T.: -0.002 min
Response: 5980742
Conc: 42.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056158.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 20:36
Sample : Q3266-02
Misc :
ALS Vial : 21 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	2.863	PV	2136	33204	0.55%	0.140%
2	2.882	2.863	2.926	PV	1163	12111	0.20%	0.051%
3	2.949	2.926	3.031	PV	1732	20092	0.33%	0.084%
4	3.049	3.031	3.082	PV	151	2633	0.04%	0.011%
5	3.105	3.082	3.144	VV	1487	15765	0.26%	0.066%
6	3.191	3.144	3.208	VV	254	6066	0.10%	0.025%
7	3.223	3.208	3.253	VV	261	3964	0.07%	0.017%
8	3.282	3.253	3.320	VV	153	4265	0.07%	0.018%
9	3.368	3.320	3.388	VV	153	3751	0.06%	0.016%
10	3.412	3.388	3.451	VV	723	11784	0.19%	0.050%
11	3.468	3.451	3.512	VV	219	4954	0.08%	0.021%
12	3.534	3.512	3.547	VV	235	3185	0.05%	0.013%
13	3.591	3.547	3.640	VV	279	11244	0.19%	0.047%
14	3.658	3.640	3.671	VV	282	4039	0.07%	0.017%
15	3.681	3.671	3.717	VV	211	5004	0.08%	0.021%
16	3.729	3.717	3.754	VV	333	5310	0.09%	0.022%
17	3.771	3.754	3.789	VV	811	9636	0.16%	0.040%
18	3.803	3.789	3.840	VV	360	5793	0.10%	0.024%
19	3.861	3.840	3.882	VV	319	4954	0.08%	0.021%
20	3.900	3.882	3.927	VV	164	4179	0.07%	0.018%
21	3.948	3.927	3.984	VV	337	4792	0.08%	0.020%
22	4.003	3.984	4.016	VV	593	6339	0.10%	0.027%
23	4.024	4.016	4.076	VV	273	4843	0.08%	0.020%
24	4.103	4.076	4.158	VV	406	7373	0.12%	0.031%
25	4.209	4.158	4.225	PV	851	10772	0.18%	0.045%
26	4.243	4.225	4.296	VV	1269	19290	0.32%	0.081%
27	4.320	4.296	4.343	VV	289	3211	0.05%	0.013%
28	4.396	4.343	4.437	VV	1224	24178	0.40%	0.102%
29	4.450	4.437	4.471	VV	141	3036	0.05%	0.013%
30	4.483	4.471	4.490	VV	192	1864	0.03%	0.008%
31	4.509	4.490	4.524	VV	361	4752	0.08%	0.020%
32	4.582	4.524	4.637	VV	324	14081	0.23%	0.059%
33	4.669	4.637	4.692	VV	1324	15777	0.26%	0.066%
34	4.712	4.692	4.731	VV	529	7205	0.12%	0.030%
35	4.752	4.731	4.761	VV	230	3507	0.06%	0.015%
36	4.788	4.761	4.813	VV	512	9970	0.16%	0.042%

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37	4.831	4.813	4.840	VV	431	4912	0.08%	0.021%
38	4.858	4.840	4.881	VV	1330	16971	0.28%	0.071%
39	4.891	4.881	4.902	VV	330	3205	0.05%	0.013%
40	4.921	4.902	4.936	VV	1114	12485	0.21%	0.052%
41	4.954	4.936	5.005	VV	2162	27701	0.46%	0.116%
42	5.039	5.005	5.051	VV	290	6208	0.10%	0.026%
43	5.090	5.051	5.117	VV	446	12489	0.21%	0.052%
44	5.130	5.117	5.158	VV	369	6545	0.11%	0.028%
45	5.171	5.158	5.181	VV	361	3960	0.07%	0.017%
46	5.190	5.181	5.208	VV	345	3524	0.06%	0.015%
47	5.215	5.208	5.237	VV	148	2158	0.04%	0.009%
48	5.252	5.237	5.271	VV	228	3127	0.05%	0.013%
49	5.286	5.271	5.316	VV	289	5048	0.08%	0.021%
50	5.372	5.316	5.407	VV	4555	64073	1.06%	0.269%
51	5.434	5.407	5.450	VV	1015	12665	0.21%	0.053%
52	5.461	5.450	5.477	VV	434	5016	0.08%	0.021%
53	5.488	5.477	5.530	VV	254	4500	0.07%	0.019%
54	5.584	5.530	5.600	VV	281	5678	0.09%	0.024%
55	5.619	5.600	5.658	VV	256	5930	0.10%	0.025%
56	5.671	5.658	5.704	VV	231	4716	0.08%	0.020%
57	5.714	5.704	5.751	VV	202	3111	0.05%	0.013%
58	5.774	5.751	5.791	VV	236	4110	0.07%	0.017%
59	5.809	5.791	5.828	VV	1521	16599	0.27%	0.070%
60	5.852	5.828	5.888	VV	1622	21151	0.35%	0.089%
61	5.912	5.888	5.950	VV	387	6276	0.10%	0.026%
62	5.959	5.950	5.965	VV	160	983	0.02%	0.004%
63	6.004	5.965	6.041	VV	492	10452	0.17%	0.044%
64	6.072	6.041	6.094	VV	201	4231	0.07%	0.018%
65	6.120	6.094	6.154	VV	430	8301	0.14%	0.035%
66	6.174	6.154	6.192	VV	231	3326	0.05%	0.014%
67	6.205	6.192	6.221	VV	185	2208	0.04%	0.009%
68	6.228	6.221	6.272	VV	126	1828	0.03%	0.008%
69	6.291	6.272	6.316	PV	136	2502	0.04%	0.011%
70	6.344	6.316	6.362	VV	187	2980	0.05%	0.013%
71	6.394	6.362	6.419	VV	555	9686	0.16%	0.041%
72	6.443	6.419	6.462	VV	550	7803	0.13%	0.033%
73	6.486	6.462	6.518	VV	1143	16247	0.27%	0.068%
74	6.550	6.518	6.581	VV	604	10092	0.17%	0.042%
75	6.627	6.581	6.659	VV	497	14003	0.23%	0.059%
76	6.668	6.659	6.695	VV	216	3809	0.06%	0.016%
77	6.722	6.695	6.790	VV	287	10892	0.18%	0.046%
78	6.842	6.790	6.871	VV	4521	53381	0.88%	0.224%
79	6.889	6.871	6.911	VV	230	4422	0.07%	0.019%
80	6.929	6.911	6.951	VV	727	9018	0.15%	0.038%
81	6.964	6.951	6.978	VV	526	5577	0.09%	0.023%
82	6.996	6.978	7.016	VV	1536	17045	0.28%	0.072%
83	7.031	7.016	7.054	VV	489	6517	0.11%	0.027%
84	7.071	7.054	7.110	VV	720	8941	0.15%	0.038%
85	7.130	7.110	7.148	VV	156	2407	0.04%	0.010%
86	7.179	7.148	7.204	VV	201	4220	0.07%	0.018%
87	7.224	7.204	7.235	VV	230	2764	0.05%	0.012%
88	7.253	7.235	7.271	VV	183	2794	0.05%	0.012%
89	7.298	7.271	7.333	VV	840	13126	0.22%	0.055%

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90	7.355	7.333	7.391	VV	1051	20349	0.34%	0.086%
91	7.405	7.391	7.445	VV	901	19650	0.32%	0.083%
92	7.483	7.445	7.508	VV	1392	23645	0.39%	0.099%
93	7.521	7.508	7.547	VV	392	6156	0.10%	0.026%
94	7.566	7.547	7.609	VV	791	14184	0.23%	0.060%
95	7.649	7.609	7.681	VV	3108	39444	0.65%	0.166%
96	7.727	7.681	7.744	VV	506	15573	0.26%	0.065%
97	7.757	7.744	7.770	VV	708	8269	0.14%	0.035%
98	7.792	7.770	7.814	VV	2715	34552	0.57%	0.145%
99	7.826	7.814	7.839	VV	451	5236	0.09%	0.022%
100	7.856	7.839	7.870	VV	546	7612	0.13%	0.032%
101	7.885	7.870	7.937	VV	746	12298	0.20%	0.052%
102	7.955	7.937	7.991	VV	259	6380	0.11%	0.027%
103	8.001	7.991	8.035	VV	154	2522	0.04%	0.011%
104	8.058	8.035	8.079	PV	1126	12132	0.20%	0.051%
105	8.156	8.079	8.181	VV	311	10046	0.17%	0.042%
106	8.234	8.181	8.247	VV	418	10995	0.18%	0.046%
107	8.256	8.247	8.274	VV	341	4497	0.07%	0.019%
108	8.281	8.274	8.305	VV	306	3713	0.06%	0.016%
109	8.326	8.305	8.351	VV	332	4787	0.08%	0.020%
110	8.369	8.351	8.398	VV	1330	15475	0.25%	0.065%
111	8.426	8.398	8.447	VV	1030	13040	0.21%	0.055%
112	8.465	8.447	8.480	VV	357	5265	0.09%	0.022%
113	8.497	8.480	8.513	VV	554	7049	0.12%	0.030%
114	8.583	8.513	8.651	VV	1542	41770	0.69%	0.176%
115	8.677	8.651	8.758	VV	9802	132604	2.18%	0.557%
116	8.791	8.758	8.811	VV	760	20403	0.34%	0.086%
117	8.827	8.811	8.858	VV	592	13561	0.22%	0.057%
118	8.873	8.858	8.894	VV	594	8043	0.13%	0.034%
119	8.914	8.894	8.976	VV	618	10846	0.18%	0.046%
120	9.005	8.976	9.077	PV	1696	49114	0.81%	0.206%
121	9.089	9.077	9.113	VV	626	12722	0.21%	0.053%
122	9.148	9.113	9.161	VV	1413	28575	0.47%	0.120%
123	9.168	9.161	9.204	VV	1355	27431	0.45%	0.115%
124	9.220	9.204	9.261	VV	1916	38787	0.64%	0.163%
125	9.284	9.261	9.312	VV	597	12622	0.21%	0.053%
126	9.336	9.312	9.354	VV	575	9840	0.16%	0.041%
127	9.409	9.354	9.429	VV	3542	56778	0.94%	0.239%
128	9.441	9.429	9.484	VV	1512	33734	0.56%	0.142%
129	9.523	9.484	9.571	VV	2839	67221	1.11%	0.283%
130	9.596	9.571	9.628	VV	740	13523	0.22%	0.057%
131	9.645	9.628	9.664	VV	561	8171	0.13%	0.034%
132	9.693	9.664	9.713	VV	354	7374	0.12%	0.031%
133	9.728	9.713	9.738	VV	373	4284	0.07%	0.018%
134	9.745	9.738	9.774	VV	378	5798	0.10%	0.024%
135	9.810	9.774	9.853	VV	797	18018	0.30%	0.076%
136	9.878	9.853	9.916	VV	1407	25874	0.43%	0.109%
137	9.930	9.916	9.947	VV	790	9619	0.16%	0.040%
138	9.970	9.947	9.994	VV	596	12784	0.21%	0.054%
139	10.017	9.994	10.051	VV	1067	19696	0.32%	0.083%
140	10.070	10.051	10.108	VV	2439	32250	0.53%	0.136%
141	10.131	10.108	10.149	VV	286	5252	0.09%	0.022%

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142	10.163	10.149	10.180	VV	328	4205	0.07%	0.018%
143	10.211	10.180	10.265	VV	1223	23097	0.38%	0.097%
144	10.291	10.265	10.342	VV	4038	56762	0.94%	0.239%
145	10.366	10.342	10.378	VV	510	8070	0.13%	0.034%
146	10.388	10.378	10.428	VV	481	8603	0.14%	0.036%
147	10.464	10.428	10.491	VV	331	6395	0.11%	0.027%
148	10.503	10.491	10.519	VV	188	1633	0.03%	0.007%
149	10.569	10.519	10.588	PV	355	6676	0.11%	0.028%
150	10.614	10.588	10.631	VV	479	8350	0.14%	0.035%
151	10.685	10.631	10.706	VV	1256	25964	0.43%	0.109%
152	10.732	10.706	10.751	VV	955	17899	0.29%	0.075%
153	10.774	10.751	10.812	VV	892	22094	0.36%	0.093%
154	10.826	10.812	10.863	VV	477	11159	0.18%	0.047%
155	10.897	10.863	10.909	VV	627	11543	0.19%	0.049%
156	10.933	10.909	10.944	VV	597	10503	0.17%	0.044%
157	10.968	10.944	10.998	VV	904	21845	0.36%	0.092%
158	11.034	10.998	11.070	VV	2235	42903	0.71%	0.180%
159	11.105	11.070	11.131	VV	1586	32631	0.54%	0.137%
160	11.161	11.131	11.198	VV	1472	32221	0.53%	0.135%
161	11.223	11.198	11.231	VV	425	7353	0.12%	0.031%
162	11.254	11.231	11.276	VV	646	12825	0.21%	0.054%
163	11.293	11.276	11.308	VV	372	5770	0.10%	0.024%
164	11.316	11.308	11.338	VV	372	5753	0.09%	0.024%
165	11.362	11.338	11.388	VV	566	11929	0.20%	0.050%
166	11.406	11.388	11.414	VV	490	6360	0.10%	0.027%
167	11.433	11.414	11.446	VV	942	13141	0.22%	0.055%
168	11.462	11.446	11.479	VV	954	14176	0.23%	0.060%
169	11.490	11.479	11.515	VV	673	9913	0.16%	0.042%
170	11.542	11.515	11.578	VV	701	12931	0.21%	0.054%
171	11.593	11.578	11.617	VV	186	2896	0.05%	0.012%
172	11.671	11.617	11.718	VV	3408	54109	0.89%	0.227%
173	11.740	11.718	11.772	VV	4981	65301	1.08%	0.274%
174	11.789	11.772	11.804	VV	368	6601	0.11%	0.028%
175	11.834	11.804	11.881	VV	1114	21014	0.35%	0.088%
176	11.895	11.881	11.911	VV	214	1723	0.03%	0.007%
177	11.928	11.911	11.940	PV	146	1752	0.03%	0.007%
178	11.965	11.940	12.000	VV	230	5021	0.08%	0.021%
179	12.063	12.000	12.074	VV	538	12651	0.21%	0.053%
180	12.133	12.074	12.155	VV	774	26008	0.43%	0.109%
181	12.176	12.155	12.191	VV	567	10194	0.17%	0.043%
182	12.199	12.191	12.247	VV	614	14432	0.24%	0.061%
183	12.256	12.247	12.277	VV	151	2752	0.05%	0.012%
184	12.348	12.277	12.371	VV	616	18219	0.30%	0.077%
185	12.410	12.371	12.440	VV	2115	42748	0.70%	0.180%
186	12.458	12.440	12.491	VV	657	13626	0.22%	0.057%
187	12.511	12.491	12.528	VV	401	6389	0.11%	0.027%
188	12.549	12.528	12.559	VV	527	7238	0.12%	0.030%
189	12.568	12.559	12.591	VV	458	6963	0.11%	0.029%
190	12.630	12.591	12.665	VV	1011	26107	0.43%	0.110%
191	12.705	12.665	12.731	VV	537	15009	0.25%	0.063%
192	12.751	12.731	12.764	VV	377	5471	0.09%	0.023%
193	12.785	12.764	12.806	VV	666	11746	0.19%	0.049%
194	12.825	12.806	12.845	VV	500	10972	0.18%	0.046%

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195	12.871	12.845	12.886	VV	829	15917	0.26%	0.067%
196	12.908	12.886	12.934	VV	1449	24833	0.41%	0.104%
197	12.959	12.934	12.966	VV	335	4700	0.08%	0.020%
198	12.993	12.966	13.024	VV	1870	28071	0.46%	0.118%
199	13.054	13.024	13.105	VV	5057	69774	1.15%	0.293%
200	13.118	13.105	13.134	VV	325	3996	0.07%	0.017%
201	13.172	13.134	13.218	VV	476	12777	0.21%	0.054%
202	13.227	13.218	13.243	VV	67	776	0.01%	0.003%
203	13.270	13.243	13.284	PV	130	1990	0.03%	0.008%
204	13.330	13.284	13.363	VV	563	14951	0.25%	0.063%
205	13.376	13.363	13.394	VV	275	3956	0.07%	0.017%
206	13.415	13.394	13.430	VV	401	5914	0.10%	0.025%
207	13.455	13.430	13.465	VV	837	11919	0.20%	0.050%
208	13.505	13.465	13.640	VV	499808	6068919	100.00%	25.505%
209	13.667	13.640	13.698	VV	2560	46051	0.76%	0.194%
210	13.718	13.698	13.768	VV	918	23868	0.39%	0.100%
211	13.780	13.768	13.824	VV	367	7373	0.12%	0.031%
212	13.889	13.824	13.908	VV	419	12175	0.20%	0.051%
213	13.947	13.908	13.983	VV	727	16945	0.28%	0.071%
214	14.012	13.983	14.038	VV	348	5793	0.10%	0.024%
215	14.055	14.038	14.074	VV	267	4523	0.07%	0.019%
216	14.103	14.074	14.142	VV	420	12357	0.20%	0.052%
217	14.204	14.142	14.228	VV	1613	26877	0.44%	0.113%
218	14.256	14.228	14.304	VV	3911	56820	0.94%	0.239%
219	14.314	14.304	14.371	VV	324	6722	0.11%	0.028%
220	14.395	14.371	14.423	VV	197	3107	0.05%	0.013%
221	14.437	14.423	14.448	PV	88	820	0.01%	0.003%
222	14.490	14.448	14.531	PV	629	18206	0.30%	0.077%
223	14.554	14.531	14.569	VV	395	7656	0.13%	0.032%
224	14.593	14.569	14.608	VV	443	7922	0.13%	0.033%
225	14.696	14.608	14.745	VV	1762	62863	1.04%	0.264%
226	14.779	14.745	14.798	VV	922	24575	0.40%	0.103%
227	14.820	14.798	14.862	VV	3158	57285	0.94%	0.241%
228	14.950	14.862	14.998	VV	1369	84667	1.40%	0.356%
229	15.026	14.998	15.041	VV	1150	26759	0.44%	0.112%
230	15.044	15.041	15.062	VV	1034	12634	0.21%	0.053%
231	15.078	15.062	15.093	VV	1295	21383	0.35%	0.090%
232	15.141	15.093	15.158	VV	1501	49871	0.82%	0.210%
233	15.174	15.158	15.184	VV	1317	19646	0.32%	0.083%
234	15.218	15.184	15.237	VV	1385	38824	0.64%	0.163%
235	15.257	15.237	15.268	VV	1325	22045	0.36%	0.093%
236	15.318	15.268	15.336	VV	2471	65239	1.07%	0.274%
237	15.361	15.336	15.448	VV	5640	163992	2.70%	0.689%
238	15.517	15.448	15.532	VV	1655	74986	1.24%	0.315%
239	15.566	15.532	15.582	VV	1645	45653	0.75%	0.192%
240	15.611	15.582	15.681	VV	1733	89927	1.48%	0.378%
241	15.699	15.681	15.731	VV	1690	46141	0.76%	0.194%
242	15.788	15.731	15.824	VV	1732	87495	1.44%	0.368%
243	15.843	15.824	15.854	VV	1825	30554	0.50%	0.128%
244	15.883	15.854	16.003	VV	5508	196626	3.24%	0.826%
245	16.033	16.003	16.051	VV	1441	39570	0.65%	0.166%
246	16.069	16.051	16.090	VV	1486	31337	0.52%	0.132%

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247	16.102	16.090	16.129	VV	1323	28863	0.48%	0.121%
248	16.139	16.129	16.144	VV	1266	10616	0.17%	0.045%
249	16.154	16.144	16.168	VV	1297	17591	0.29%	0.074%
250	16.205	16.168	16.304	VV	1696	106635	1.76%	0.448%
251	16.347	16.304	16.361	VV	1815	45633	0.75%	0.192%
252	16.385	16.361	16.508	VV	4914	134288	2.21%	0.564%
253	16.518	16.508	16.540	VV	779	13452	0.22%	0.057%
254	16.590	16.540	16.651	VV	864	44558	0.73%	0.187%
255	16.699	16.651	16.731	VV	853	27110	0.45%	0.114%
256	16.738	16.731	16.801	VV	619	18385	0.30%	0.077%
257	16.835	16.801	16.843	VV	574	10590	0.17%	0.045%
258	16.869	16.843	16.954	VV	5723	93960	1.55%	0.395%
259	17.034	16.954	17.078	VV	490	21227	0.35%	0.089%
260	17.090	17.078	17.140	VV	296	5495	0.09%	0.023%
261	17.169	17.140	17.194	VV	267	5062	0.08%	0.021%
262	17.216	17.194	17.238	VV	561	7594	0.13%	0.032%
263	17.258	17.238	17.271	PV	175	1913	0.03%	0.008%
264	17.337	17.271	17.419	VV	4880	88894	1.46%	0.374%
265	17.450	17.419	17.461	VV	204	2477	0.04%	0.010%
266	17.468	17.461	17.474	PV	44	362	0.01%	0.002%
267	17.490	17.474	17.527	VV	136	2099	0.03%	0.009%
268	17.598	17.527	17.621	PV	398	9700	0.16%	0.041%
269	17.627	17.621	17.647	VV	336	3136	0.05%	0.013%
270	17.679	17.647	17.698	PV	288	5261	0.09%	0.022%
271	17.727	17.698	17.737	VV	314	4555	0.08%	0.019%
272	17.789	17.737	17.852	VV	13578	201642	3.32%	0.847%
273	17.875	17.852	17.908	PV	342	5627	0.09%	0.024%
274	17.926	17.908	17.954	VV	421	7762	0.13%	0.033%
275	18.007	17.954	18.034	VV	305	6157	0.10%	0.026%
276	18.116	18.034	18.124	PV	212	6489	0.11%	0.027%
277	18.135	18.124	18.147	VV	166	1642	0.03%	0.007%
278	18.225	18.147	18.268	VV	6104	99423	1.64%	0.418%
279	18.291	18.268	18.305	VV	184	3429	0.06%	0.014%
280	18.390	18.305	18.454	PV	799	26748	0.44%	0.112%
281	18.497	18.454	18.524	PV	500	9322	0.15%	0.039%
282	18.649	18.524	18.701	VV	28561	406846	6.70%	1.710%
283	18.761	18.701	18.804	VV	804	18529	0.31%	0.078%
284	18.893	18.804	18.938	PV	1814	33981	0.56%	0.143%
285	18.977	18.938	19.001	VV	1218	21906	0.36%	0.092%
286	19.059	19.001	19.118	VV	6507	122602	2.02%	0.515%
287	19.185	19.118	19.205	VV	874	28568	0.47%	0.120%
288	19.229	19.205	19.239	VV	822	13661	0.23%	0.057%
289	19.318	19.239	19.338	VV	1172	41241	0.68%	0.173%
290	19.397	19.338	19.420	VV	1733	44439	0.73%	0.187%
291	19.458	19.420	19.498	VV	16752	262791	4.33%	1.104%
292	19.509	19.498	19.521	VV	1101	13570	0.22%	0.057%
293	19.648	19.521	19.674	VV	2215	130561	2.15%	0.549%
294	19.699	19.674	19.721	VV	1911	48663	0.80%	0.205%
295	19.844	19.721	19.874	VV	6280	241070	3.97%	1.013%
296	20.134	19.874	20.151	VV	4927	595174	9.81%	2.501%
297	20.220	20.151	20.249	VV	10541	385481	6.35%	1.620%
298	20.587	20.249	20.614	VV	12464	1754456	28.91%	7.373%
299	20.951	20.614	21.004	VV	14208	2668723	43.97%	11.216%

					rteres			
300	21.048	21.004	21.074	VV	11429	478794	7.89%	2.012%
301	21.122	21.074	21.132	VV	11196	383998	6.33%	1.614%
302	21.139	21.132	21.164	VV	11053	213574	3.52%	0.898%
303	21.189	21.164	21.197	VV	10700	207239	3.41%	0.871%
304	21.359	21.197	21.561	VV	12040	2117991	34.90%	8.901%
305	21.649	21.561	21.672	VV	6517	443714	7.31%	1.865%
306	21.689	21.672	21.741	VV	6169	246788	4.07%	1.037%
307	21.815	21.741	22.001	VV	6227	758885	12.50%	3.189%
308	22.118	22.001	22.141	VV	3213	279380	4.60%	1.174%
309	22.158	22.141	22.246	VV	2900	148167	2.44%	0.623%
310	22.335	22.246	22.398	VV	1510	99518	1.64%	0.418%
311	22.411	22.398	22.422	VV	330	3130	0.05%	0.013%
Sum of corrected areas:						23794762		

Aliphatic EPH 092425.M Fri Oct 03 02:31:09 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

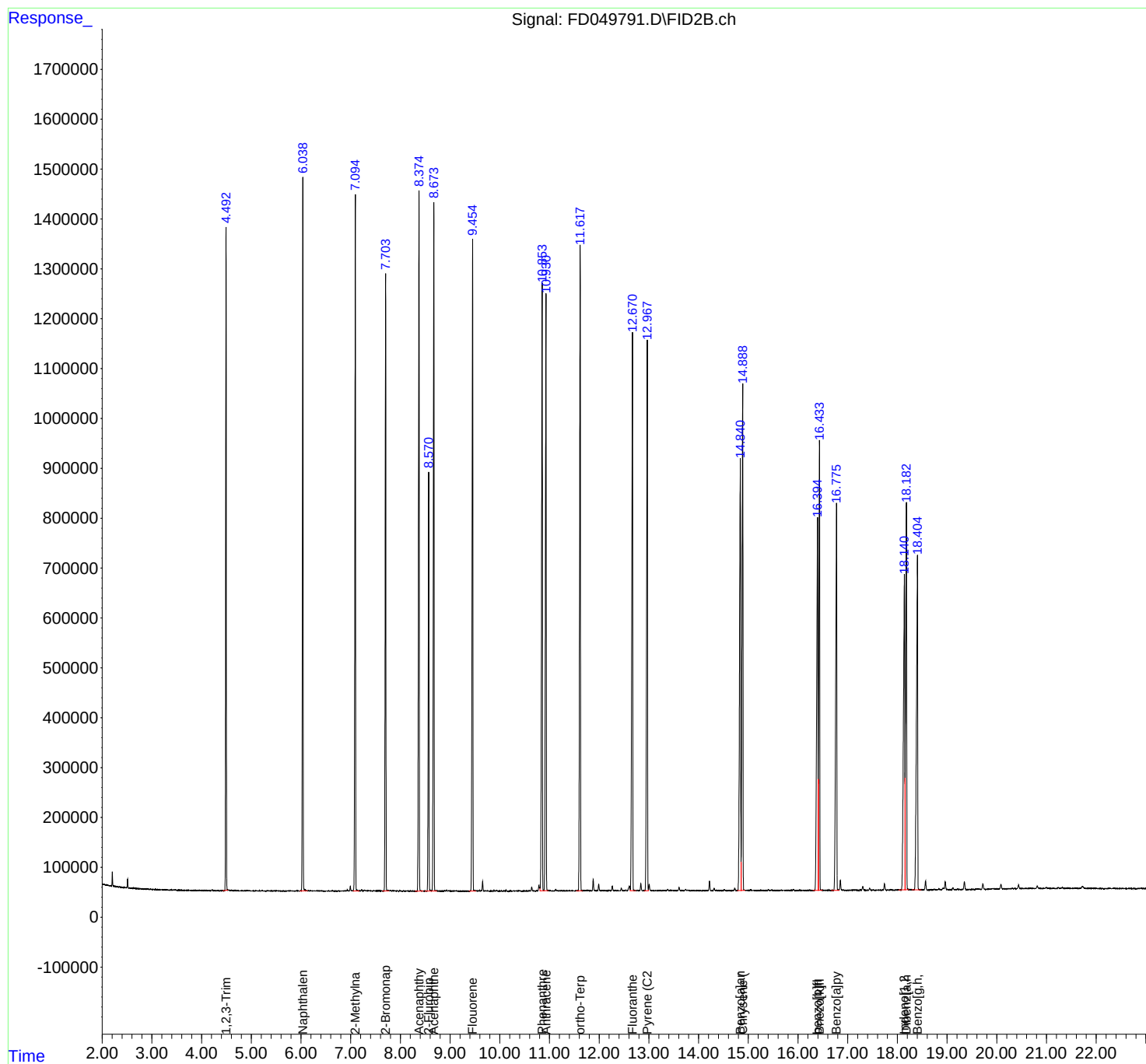
(m)=manual int.

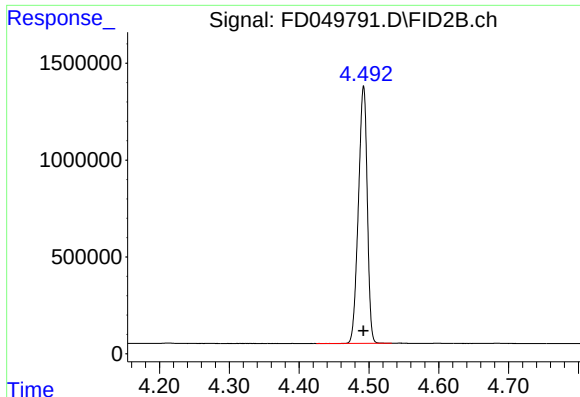
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049791.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 09:40
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

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)

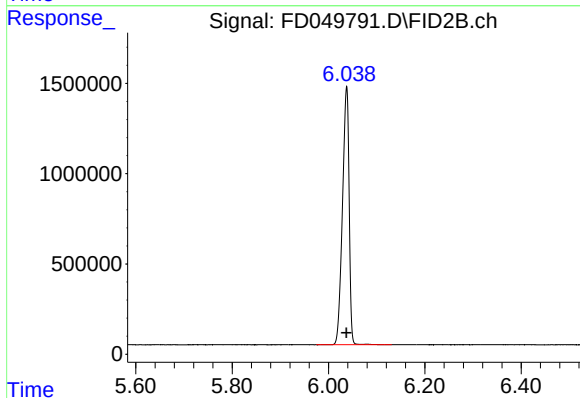
R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 11695090
Conc: 105.25 ug/ml

Instrument :

FID_D

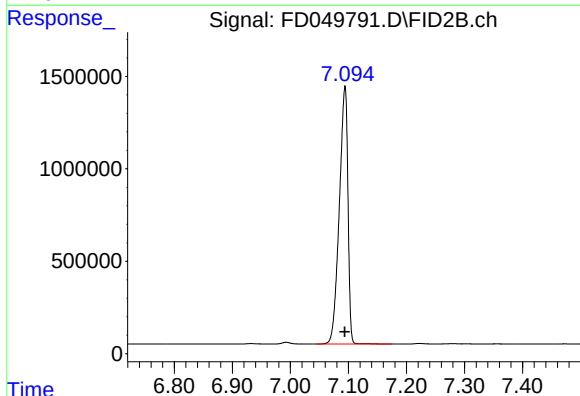
ClientSampleId :

100 PPM AROMATIC HC STD1



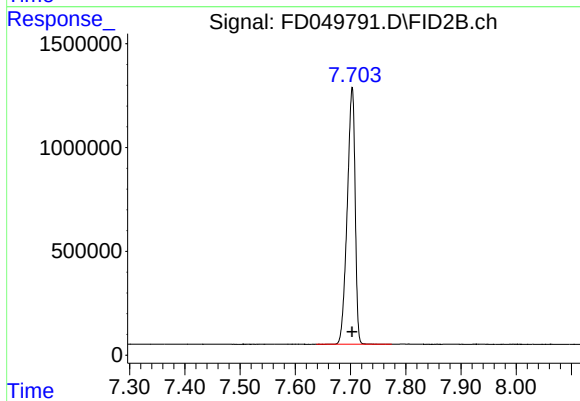
#2 Naphthalene (C11.7)

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



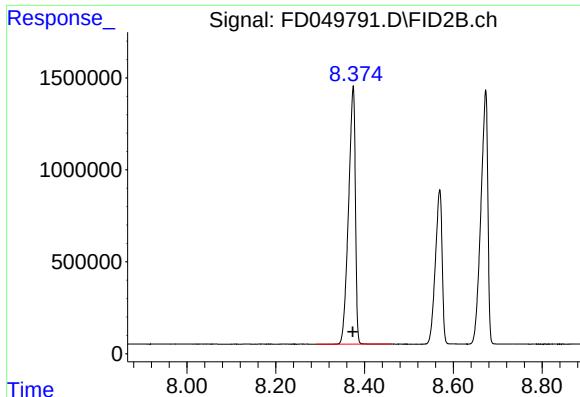
#3 2-Methylnaphthalene (C12.89)

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)

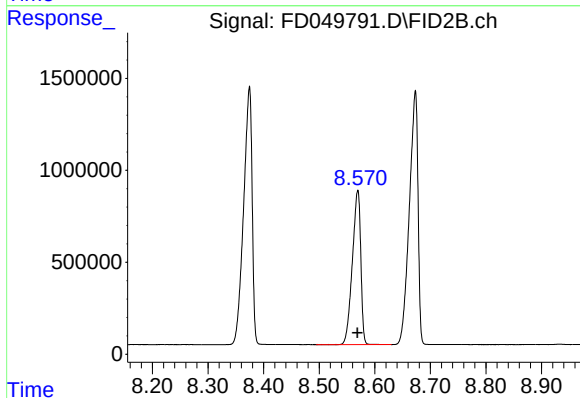
R.T.: 8.374 min
Delta R.T.: 0.000 min
Response: 14927854
Conc: 104.73 ug/ml

Instrument :

FID_D

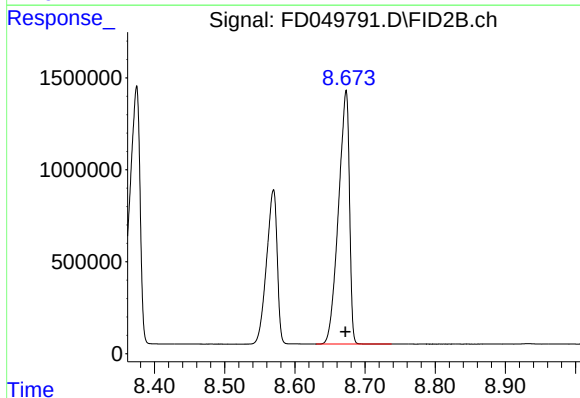
ClientSampleId :

100 PPM AROMATIC HC STD1



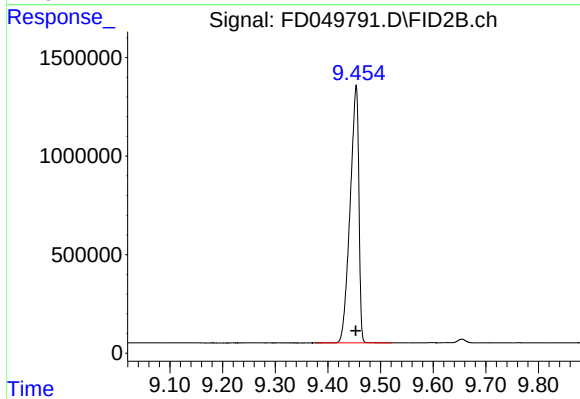
#6 2-Fluorobiphenyl (SURR)

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



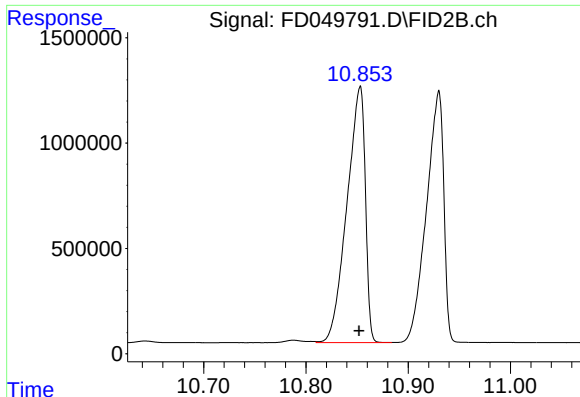
#7 Acenaphthene (C15.5)

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)

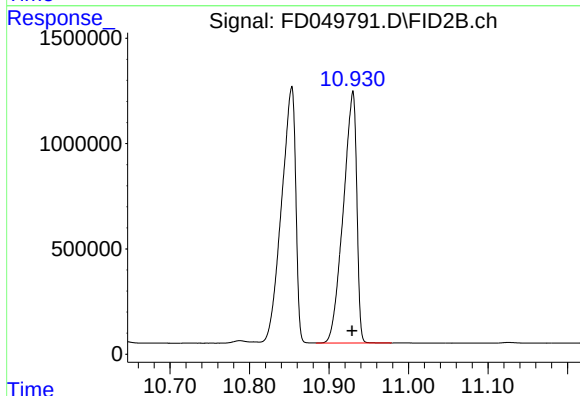
R.T.: 10.852 min
Delta R.T.: 0.000 min
Response: 15141178
Conc: 105.31 ug/ml

Instrument :

FID_D

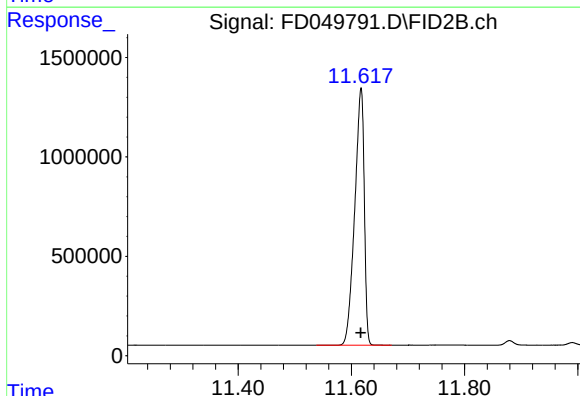
ClientSampleId :

100 PPM AROMATIC HC STD1



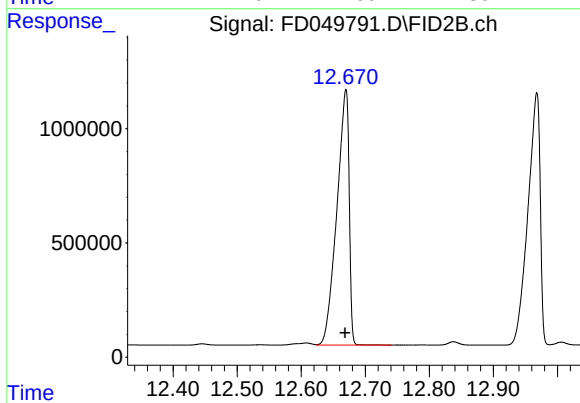
#10 Anthracene (C19.43)

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



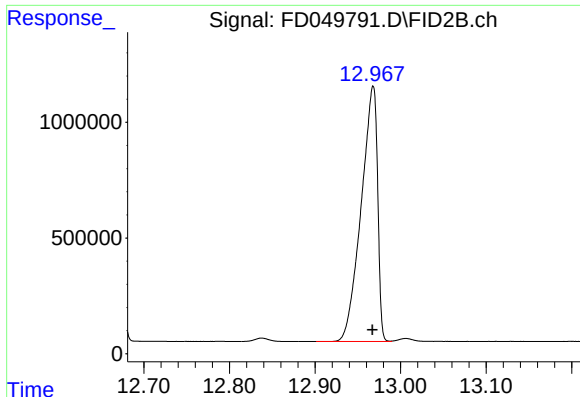
#11 ortho-Terphenyl (SURR)

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)

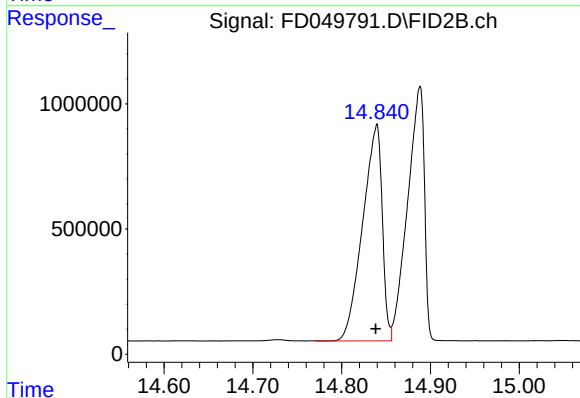
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 14684165
Conc: 105.91 ug/ml

Instrument :

FID_D

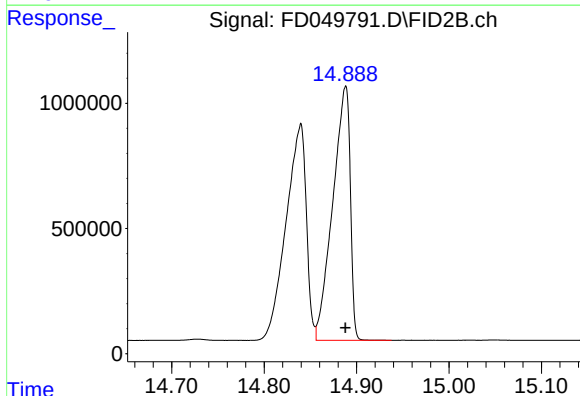
ClientSampleId :

100 PPM AROMATIC HC STD1



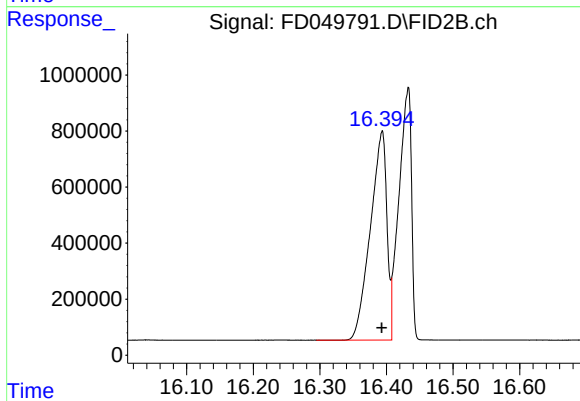
#14 Benzo[a]anthracene (C26.37)

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



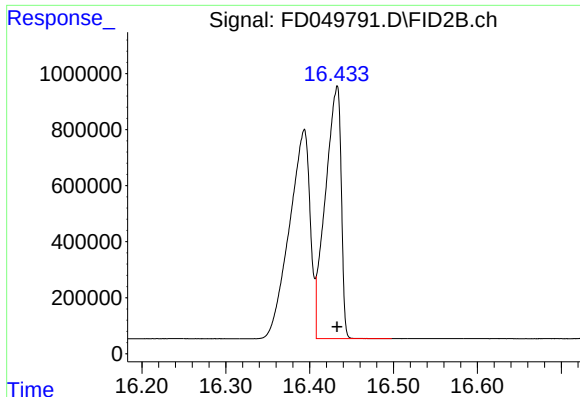
#15 Chrysene (C27.41)

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)

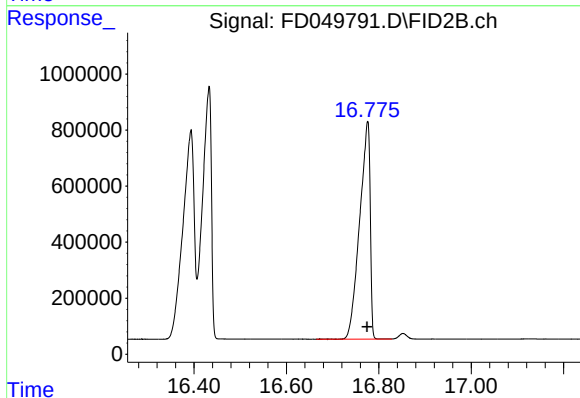
R.T.: 16.431 min
Delta R.T.: -0.001 min
Response: 11752195
Conc: 104.88 ug/ml

Instrument :

FID_D

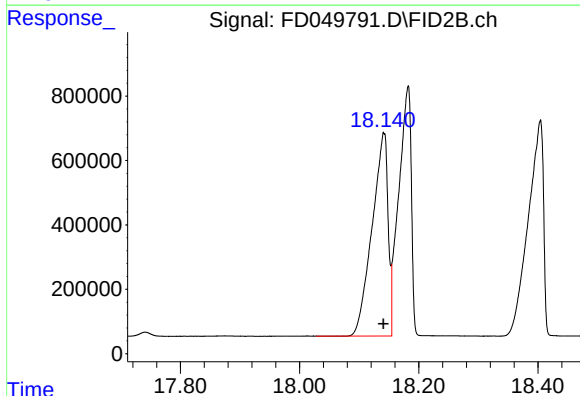
ClientSampleId :

100 PPM AROMATIC HC STD1



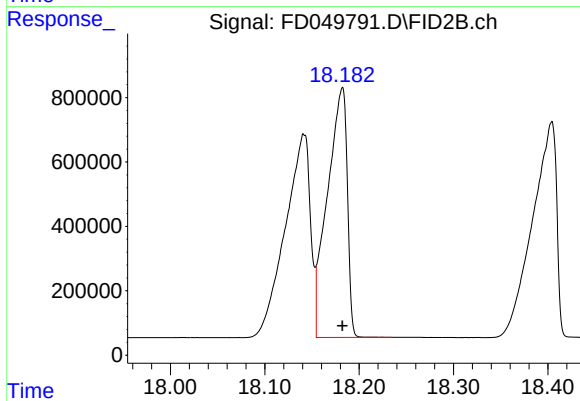
#18 Benzo[a]pyrene (C31.34)

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



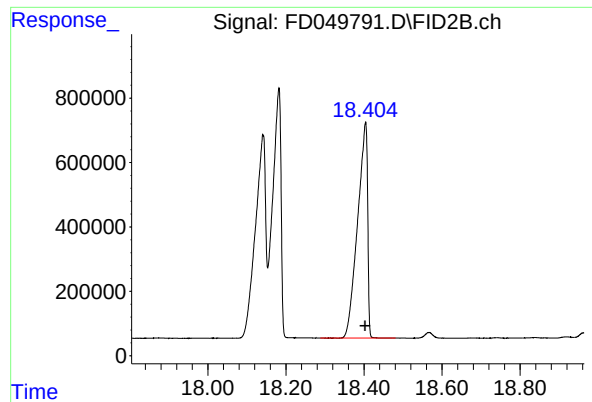
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

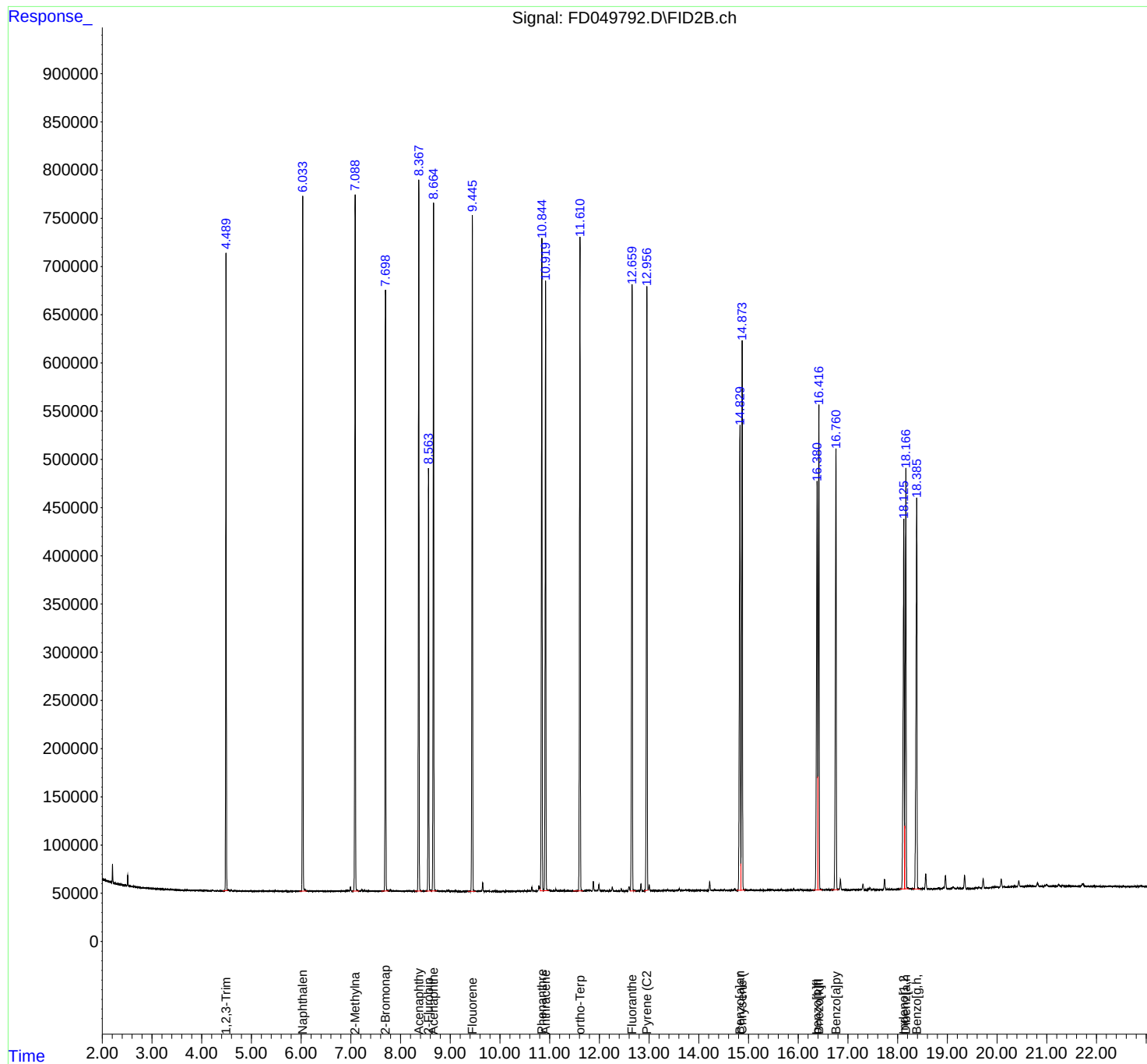
(m)=manual int.

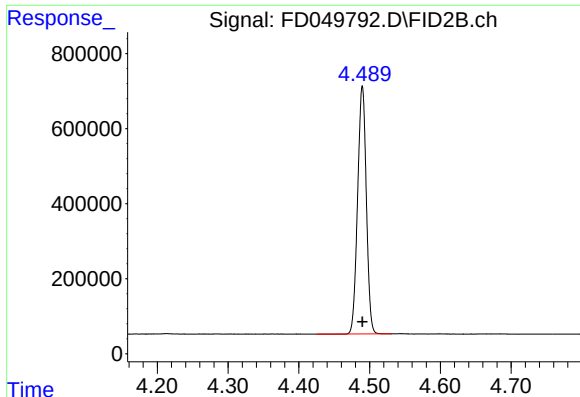
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049792.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 10:21
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

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

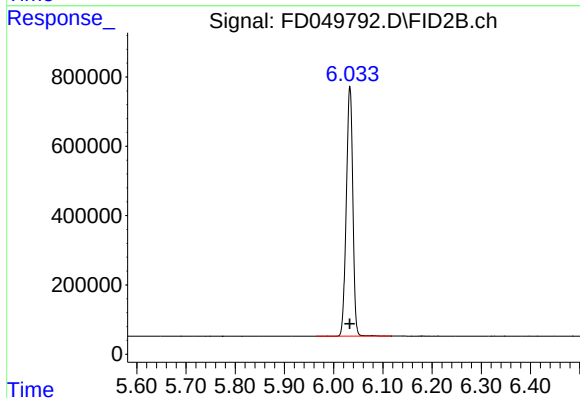




#1 1,2,3-Trimethylbenzene (C10.1)

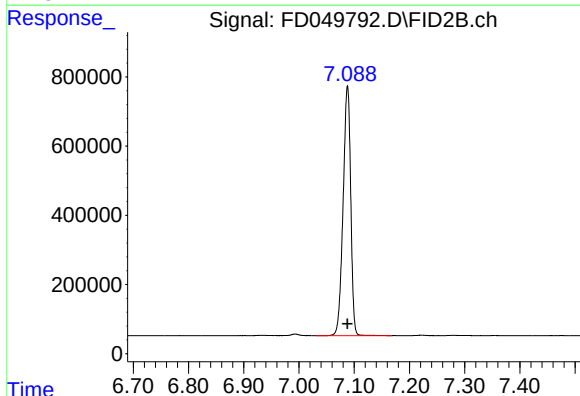
R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 5643594
Conc: 50.52 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



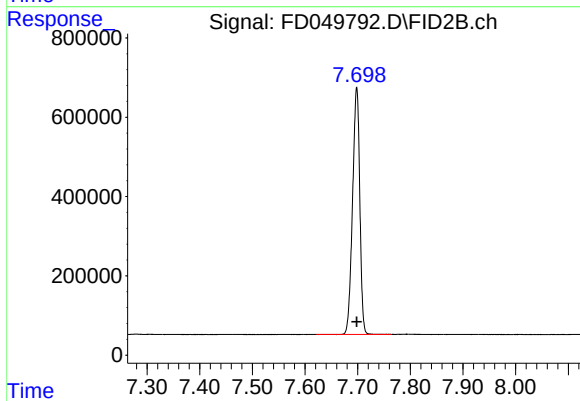
#2 Naphthalene (C11.7)

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



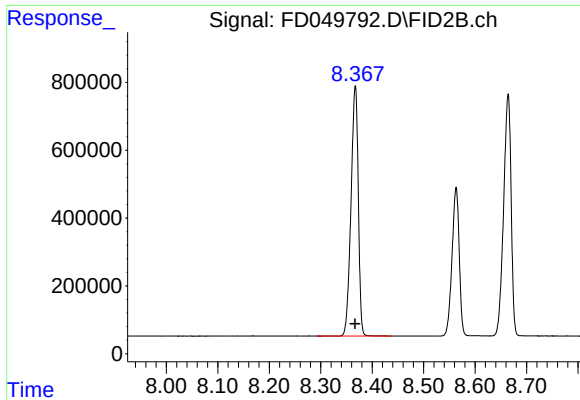
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

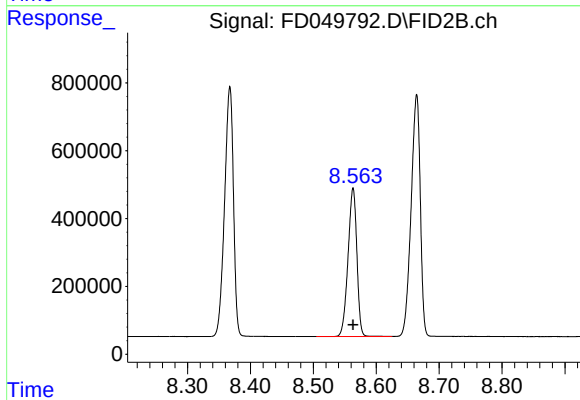
R.T.: 7.698 min
Delta R.T.: 0.000 min
Response: 5936602
Conc: 50.55 ug/ml



#5 Acenaphthylene (C15.06)

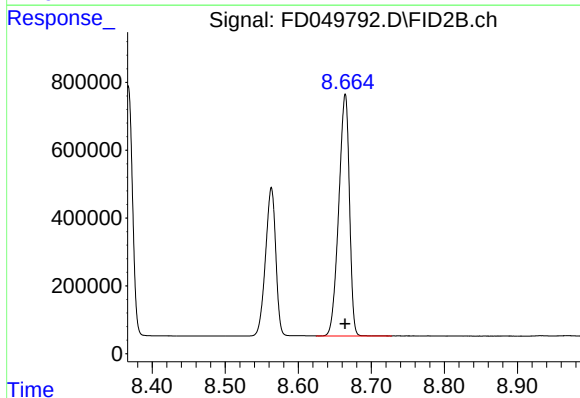
R.T.: 8.367 min
Delta R.T.: 0.000 min
Response: 7224358
Conc: 50.45 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



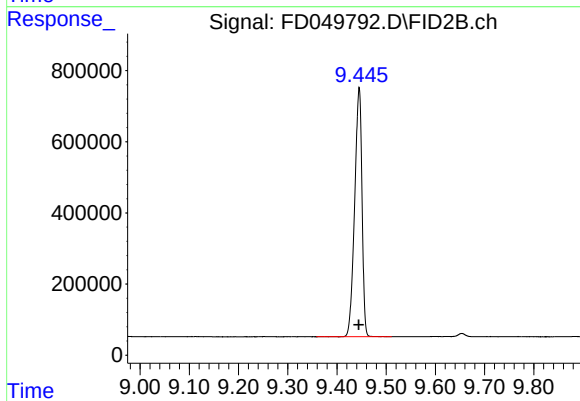
#6 2-Fluorobiphenyl (SURR)

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



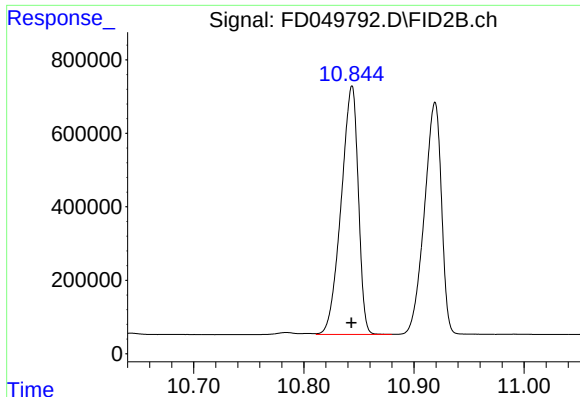
#7 Acenaphthene (C15.5)

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



#8 Fluorene (C16.55)

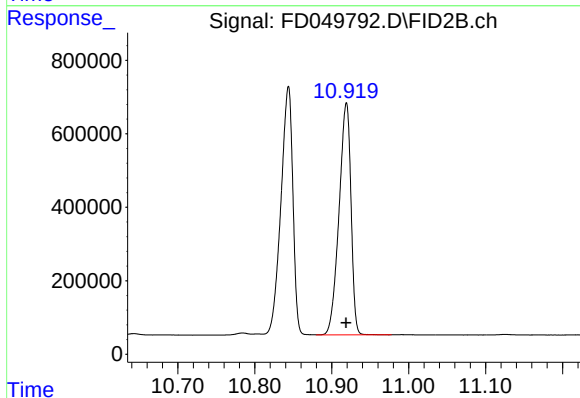
R.T.: 9.445 min
Delta R.T.: 0.000 min
Response: 7263851
Conc: 50.53 ug/ml



#9 Phenanthrene (C19.36)

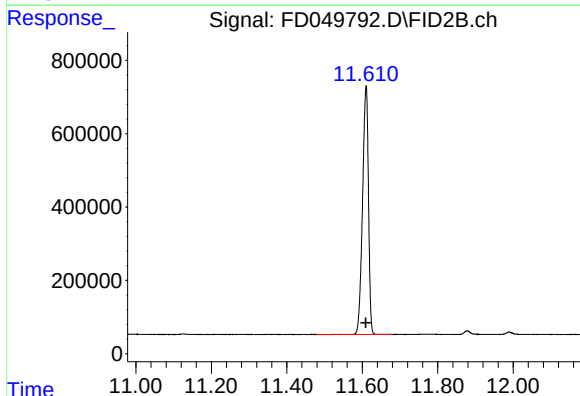
R.T.: 10.843 min
Delta R.T.: 0.000 min
Response: 7319229
Conc: 50.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



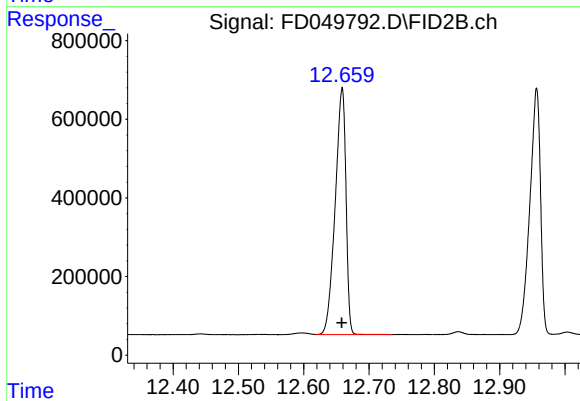
#10 Anthracene (C19.43)

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



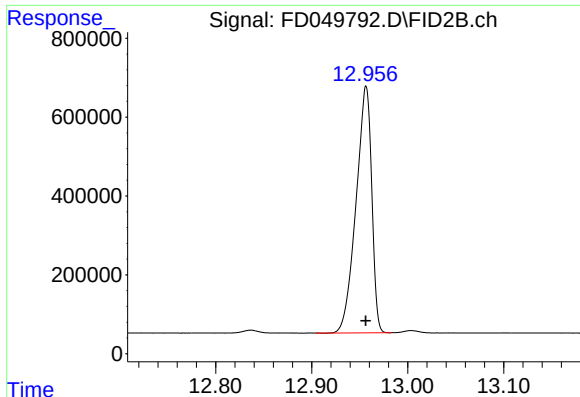
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

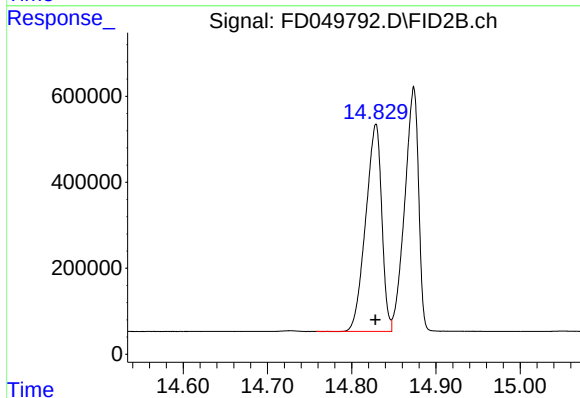
R.T.: 12.658 min
Delta R.T.: 0.000 min
Response: 7188398
Conc: 50.86 ug/ml



#13 Pyrene (C20.8)

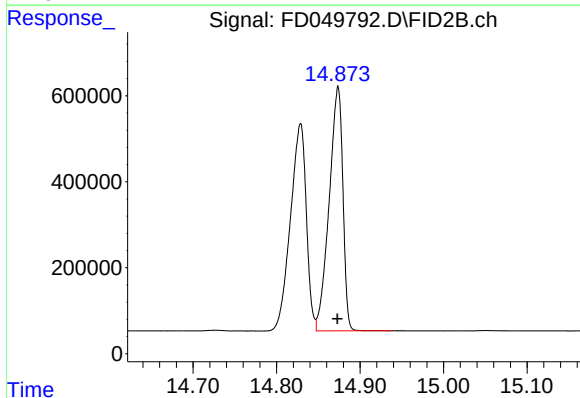
R.T.: 12.956 min
Delta R.T.: 0.000 min
Response: 7092864
Conc: 50.77 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



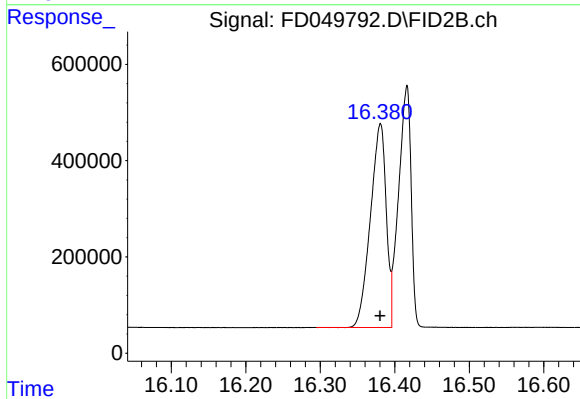
#14 Benzo[a]anthracene (C26.37)

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



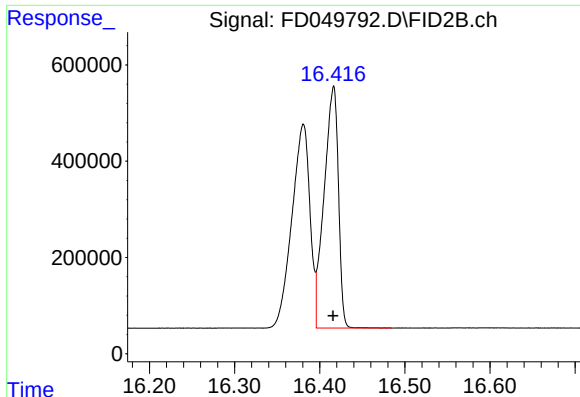
#15 Chrysene (C27.41)

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



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

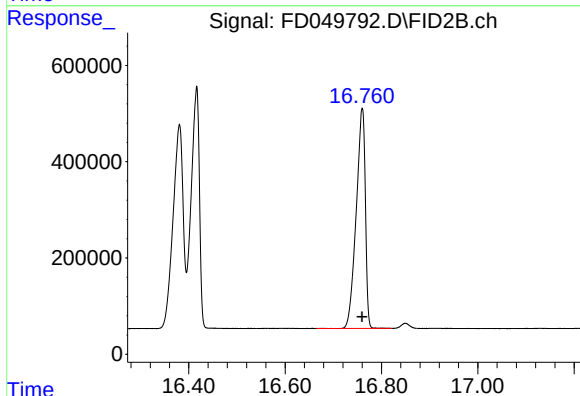
R.T.: 16.380 min
Delta R.T.: 0.000 min
Response: 6243749
Conc: 50.81 ug/ml



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

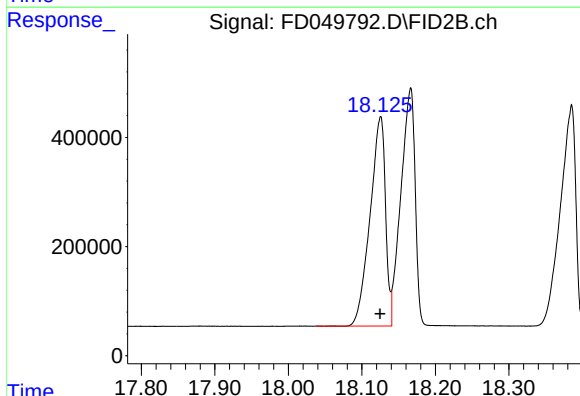
R.T.: 16.415 min
Delta R.T.: 0.000 min
Response: 5846863
Conc: 51.08 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



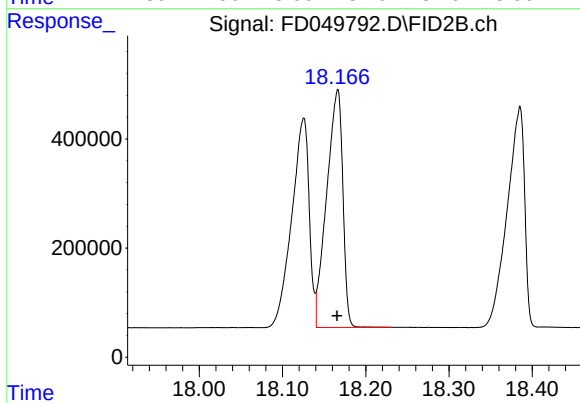
#18 Benzo[a]pyrene (C31.34)

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



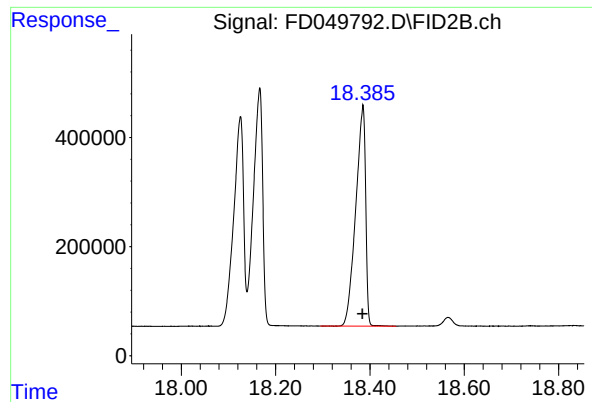
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

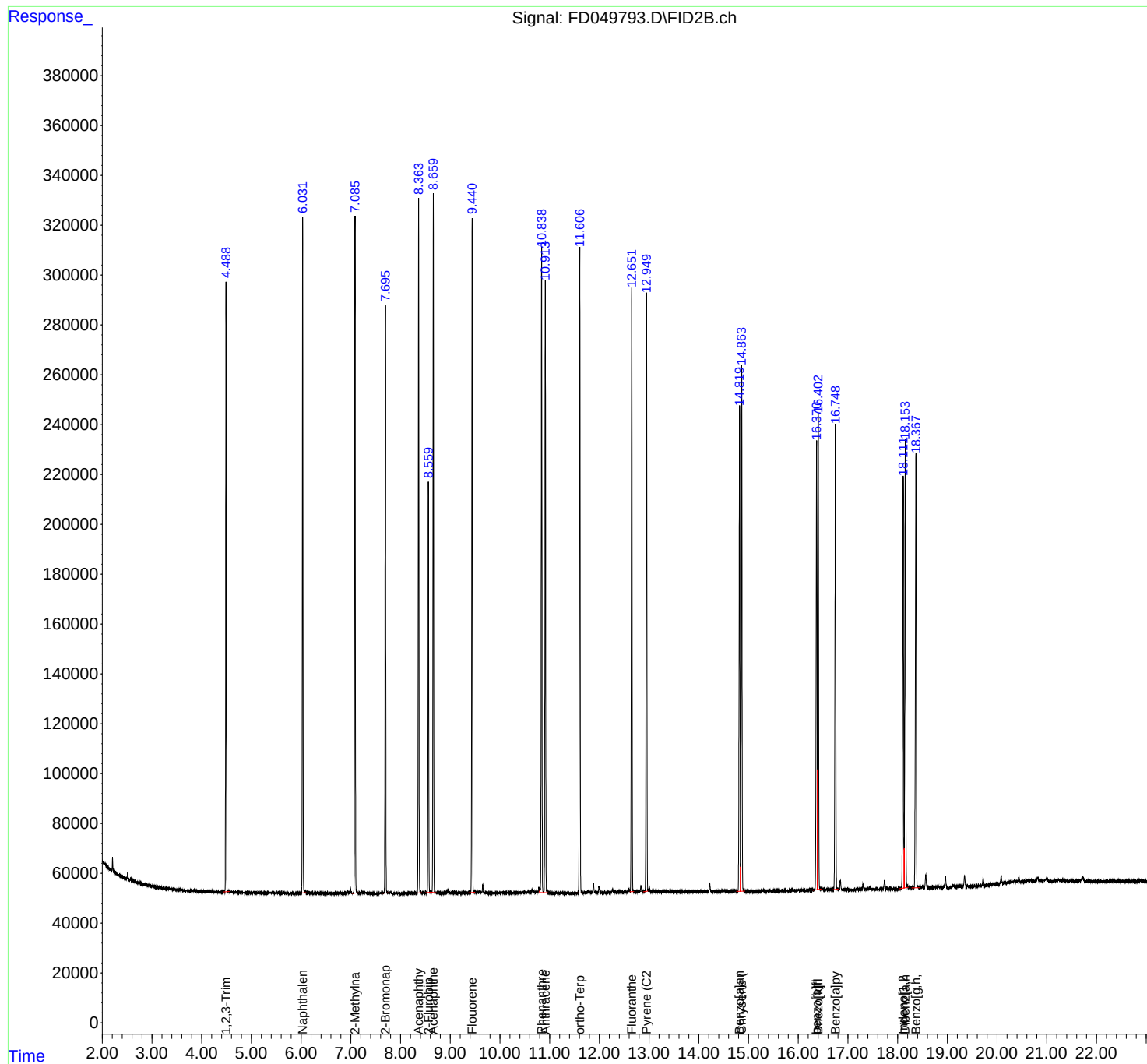
(m)=manual int.

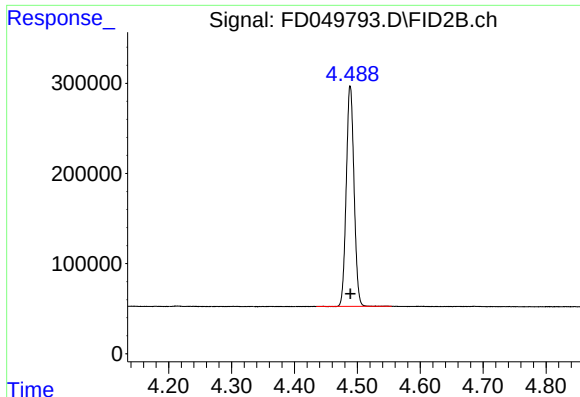
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049793.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 11:03
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 58 Sample Multiplier: 1

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

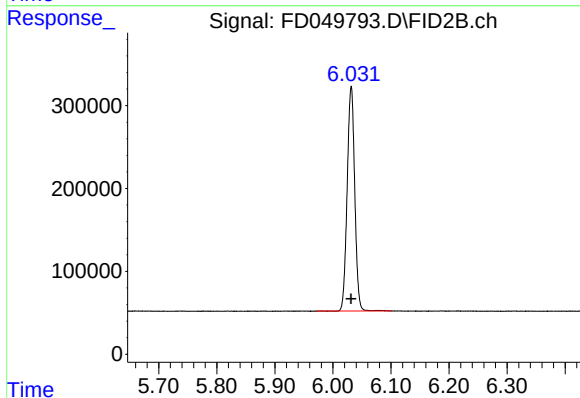




#1 1,2,3-Trimethylbenzene (C10.1)

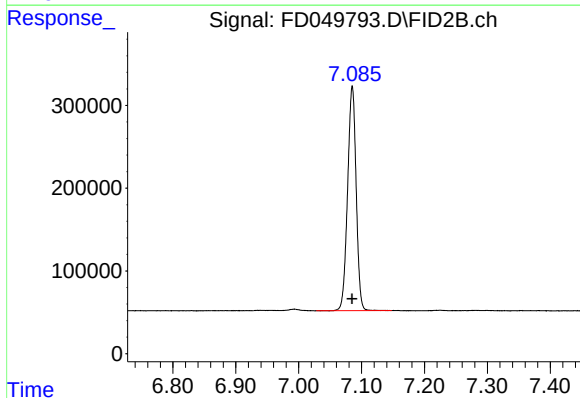
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 2105689
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



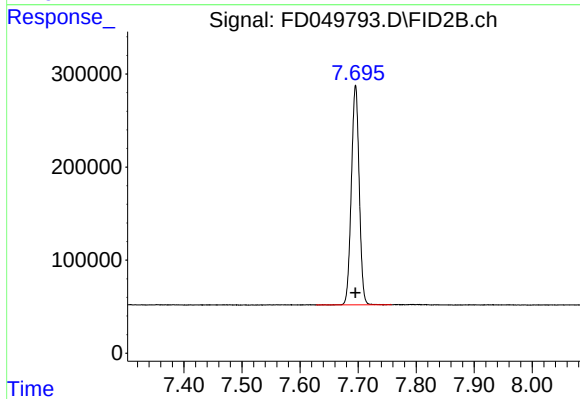
#2 Naphthalene (C11.7)

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



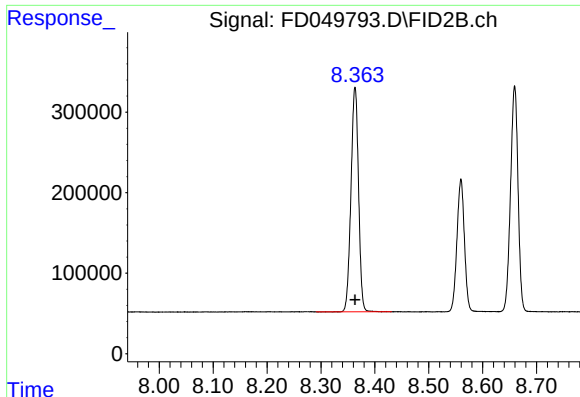
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

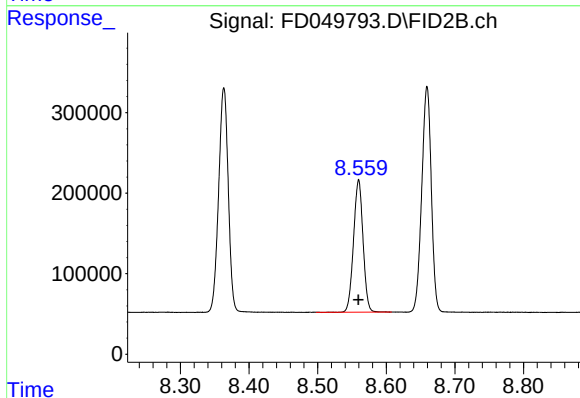
R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 2212860
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

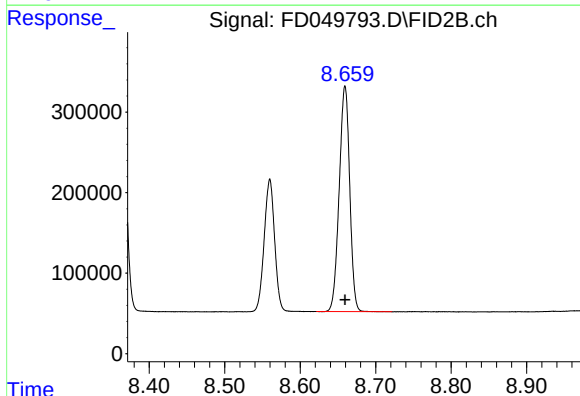
R.T.: 8.363 min
Delta R.T.: 0.000 min
Response: 2715957
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



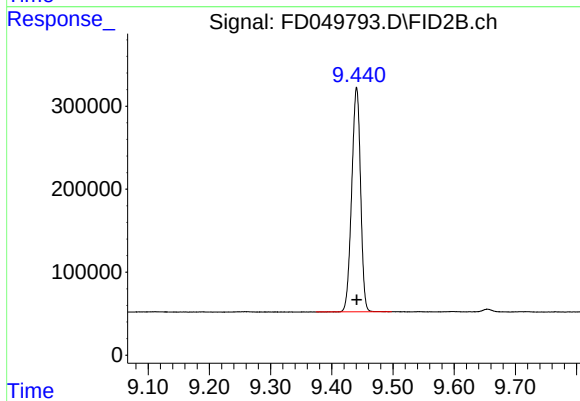
#6 2-Fluorobiphenyl (SURR)

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



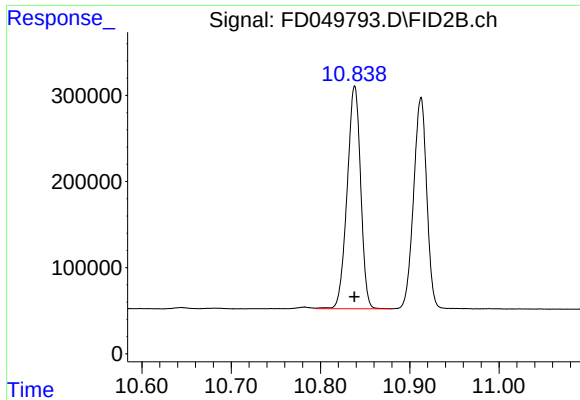
#7 Acenaphthene (C15.5)

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



#8 Flouorene (C16.55)

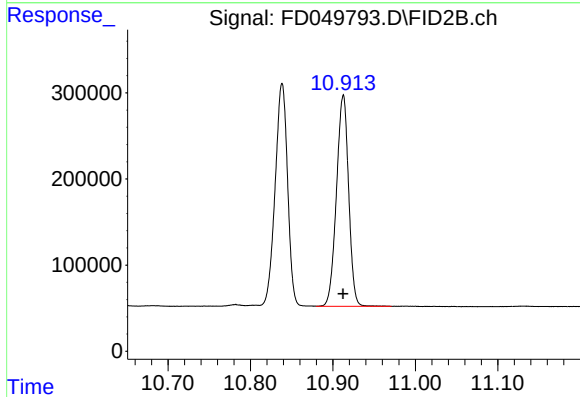
R.T.: 9.441 min
Delta R.T.: 0.000 min
Response: 2719657
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

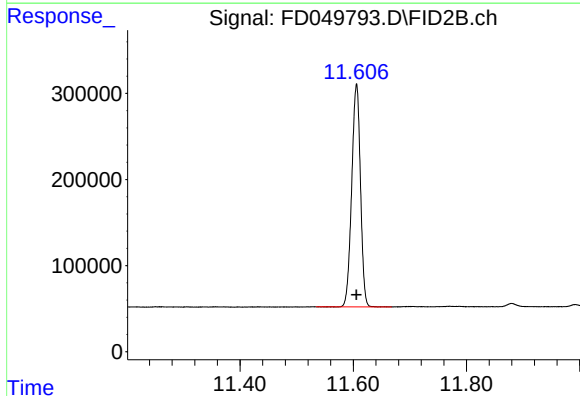
R.T.: 10.838 min
Delta R.T.: 0.000 min
Response: 2722986
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



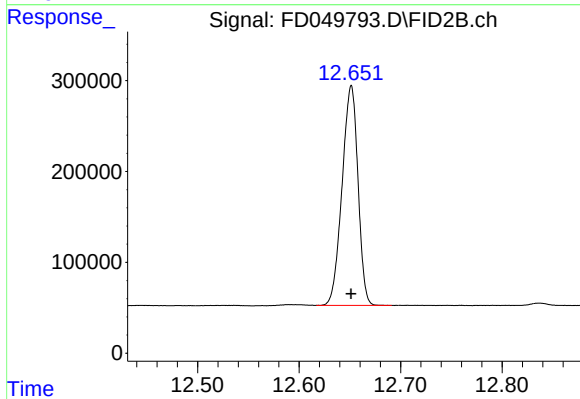
#10 Anthracene (C19.43)

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



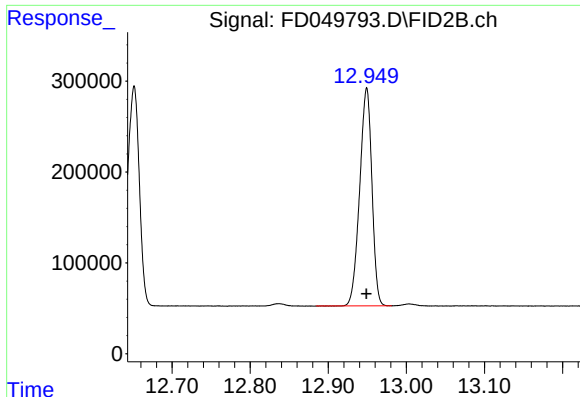
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

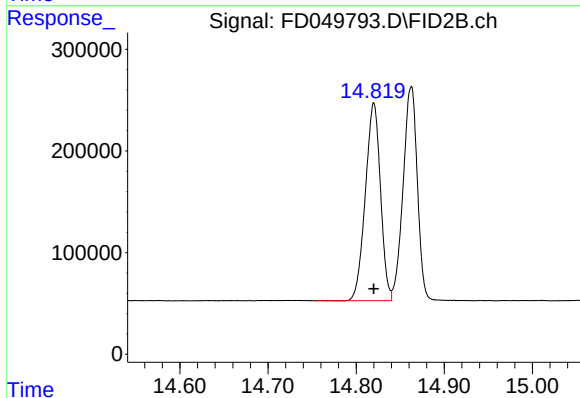
R.T.: 12.651 min
Delta R.T.: 0.000 min
Response: 2636091
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

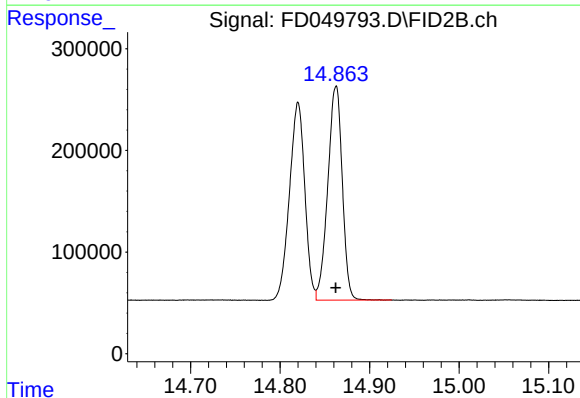
R.T.: 12.949 min
Delta R.T.: 0.000 min
Response: 2608820
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



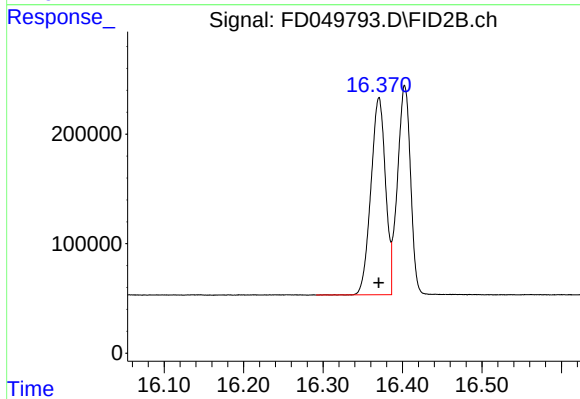
#14 Benzo[a]anthracene (C26.37)

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



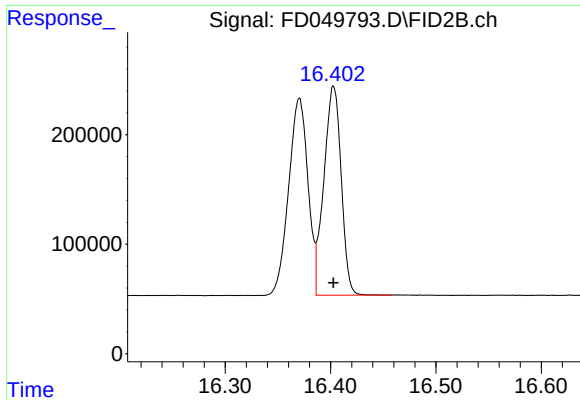
#15 Chrysene (C27.41)

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



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

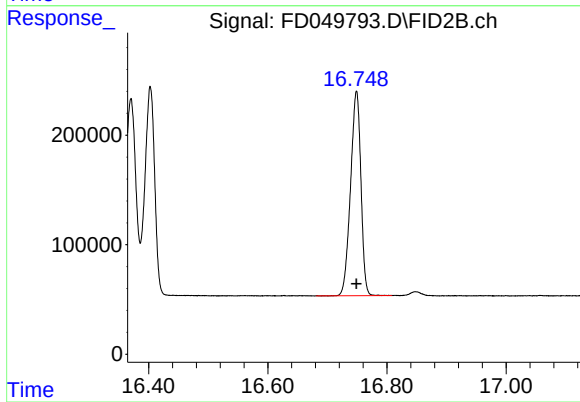
R.T.: 16.370 min
Delta R.T.: 0.000 min
Response: 2294799
Conc: 20.00 ug/ml



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

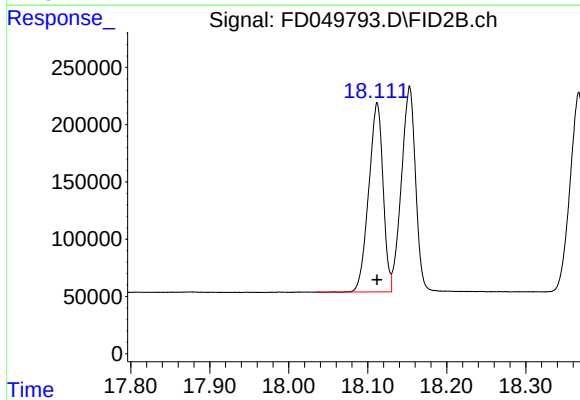
R.T.: 16.403 min
Delta R.T.: 0.000 min
Response: 2178427
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



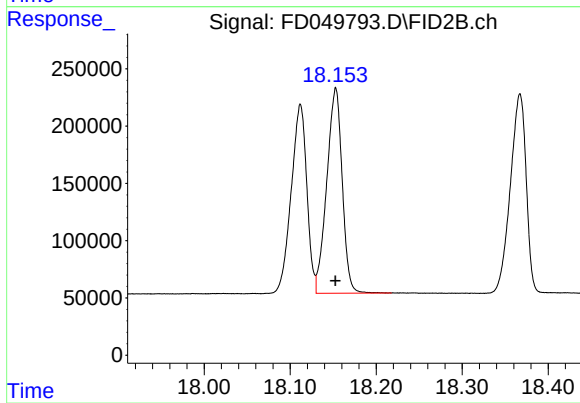
#18 Benzo[a]pyrene (C31.34)

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



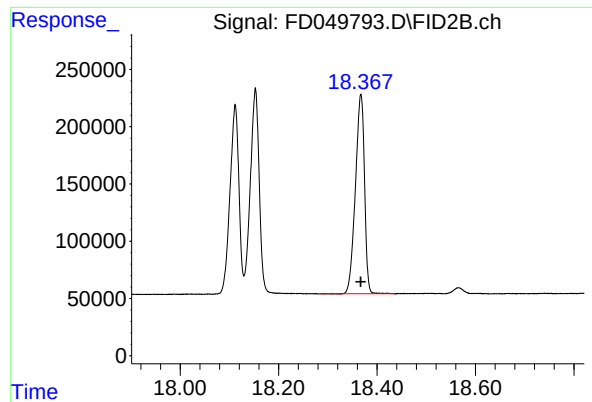
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

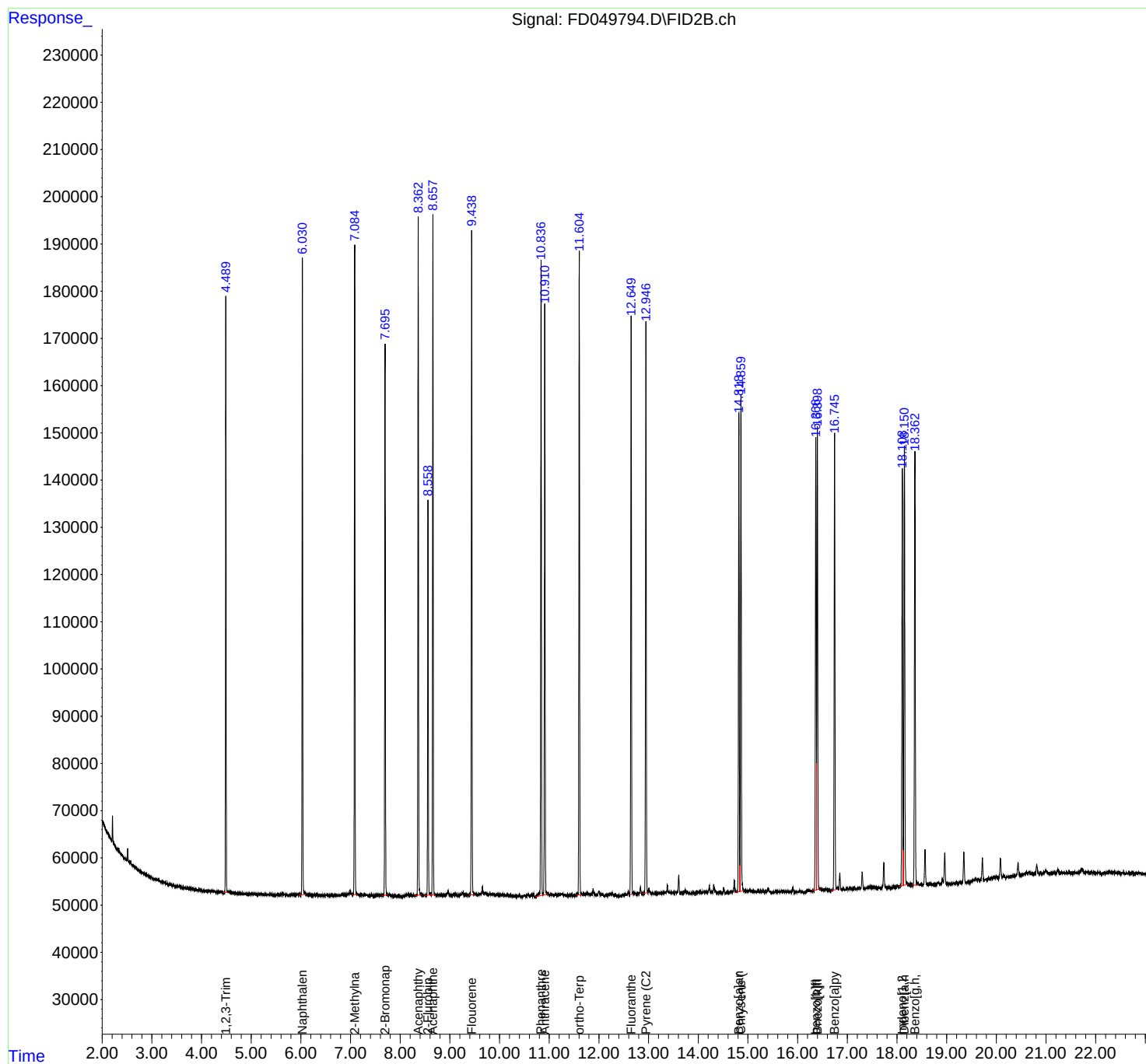
(m)=manual int.

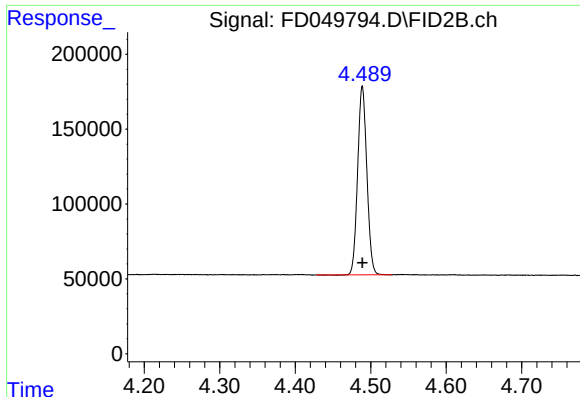
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049794.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 11:44
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 59 Sample Multiplier: 1

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

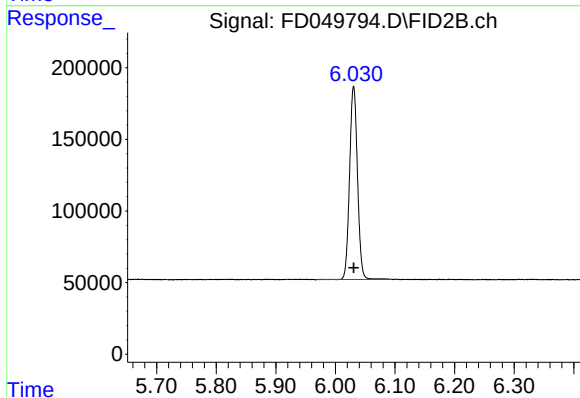




#1 1,2,3-Trimethylbenzene (C10.1)

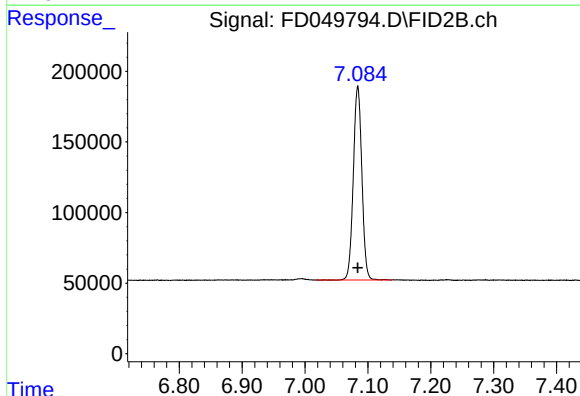
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 1067300
Conc: 9.66 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



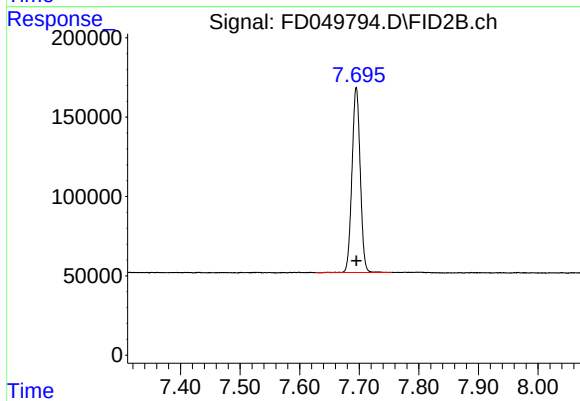
#2 Naphthalene (C11.7)

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



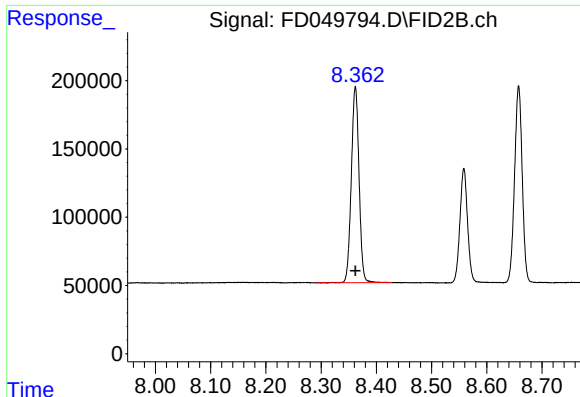
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

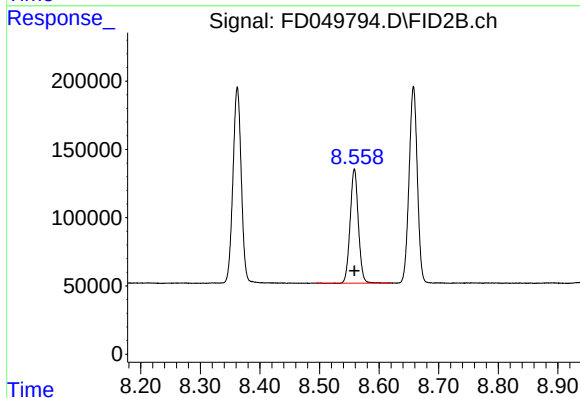
R.T.: 7.695 min
Delta R.T.: 0.000 min
Response: 1121613
Conc: 9.66 ug/ml



#5 Acenaphthylene (C15.06)

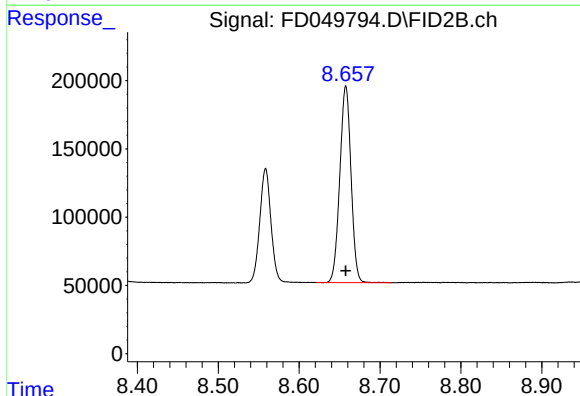
R.T.: 8.362 min
Delta R.T.: 0.000 min
Response: 1391846
Conc: 9.79 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



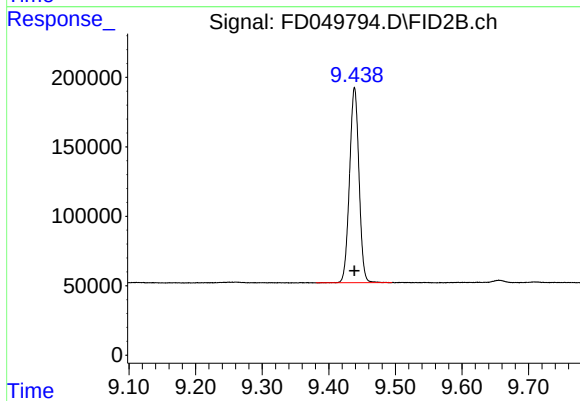
#6 2-Fluorobiphenyl (SURR)

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



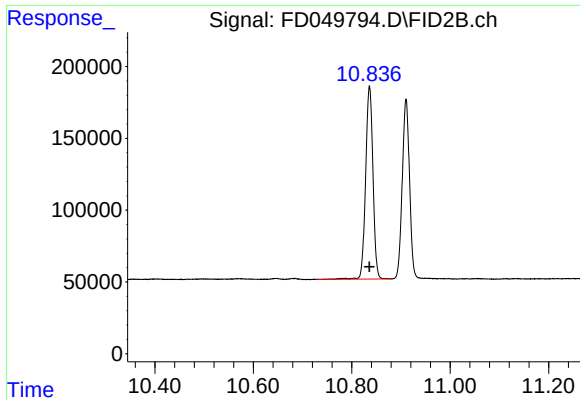
#7 Acenaphthene (C15.5)

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



#8 Fluorene (C16.55)

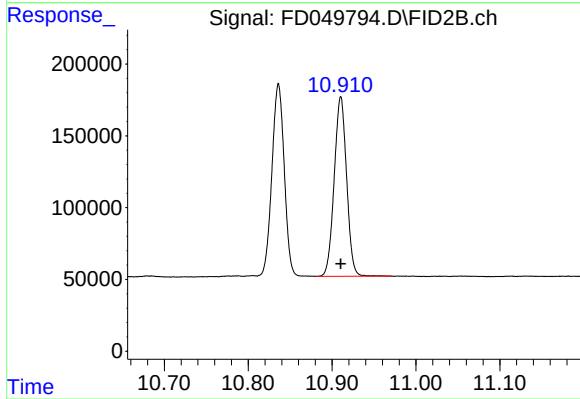
R.T.: 9.439 min
Delta R.T.: 0.000 min
Response: 1387589
Conc: 9.74 ug/ml



#9 Phenanthrene (C19.36)

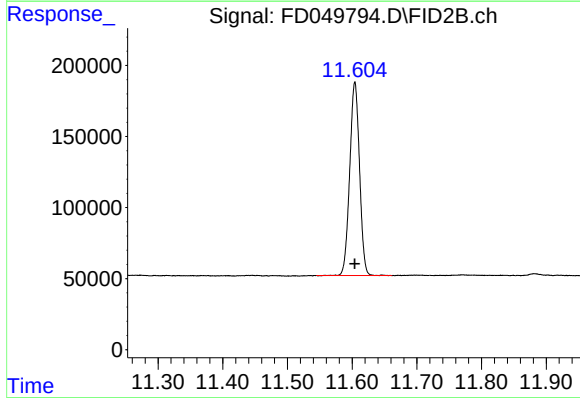
R.T.: 10.836 min
Delta R.T.: 0.000 min
Response: 1384009
Conc: 9.67 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



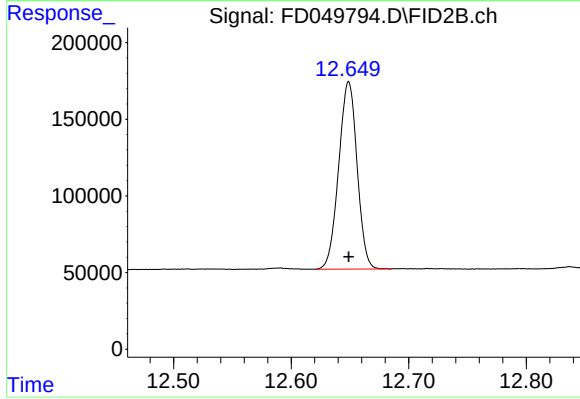
#10 Anthracene (C19.43)

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



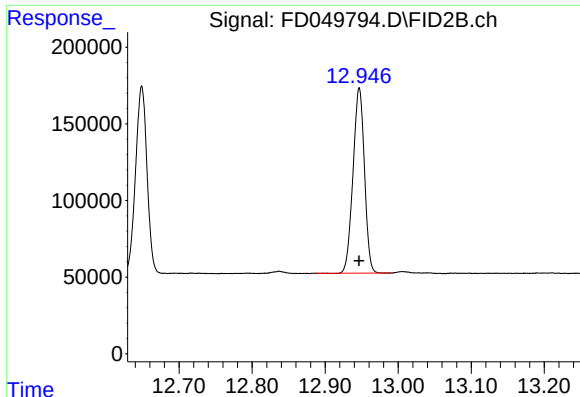
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

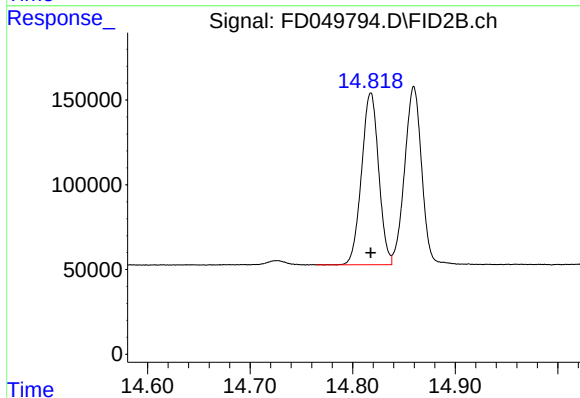
R.T.: 12.649 min
Delta R.T.: 0.000 min
Response: 1331086
Conc: 9.56 ug/ml



#13 Pyrene (C20.8)

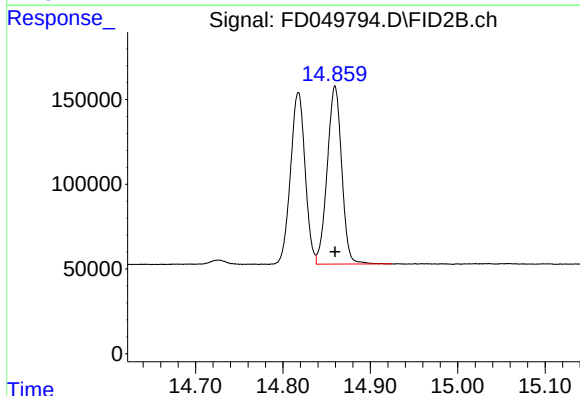
R.T.: 12.947 min
Delta R.T.: 0.000 min
Response: 1316543
Conc: 9.56 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



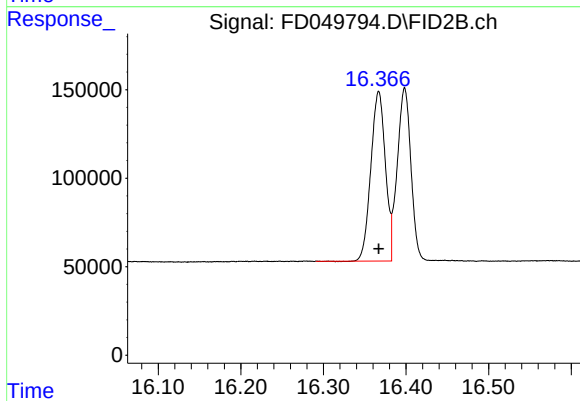
#14 Benzo[a]anthracene (C26.37)

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



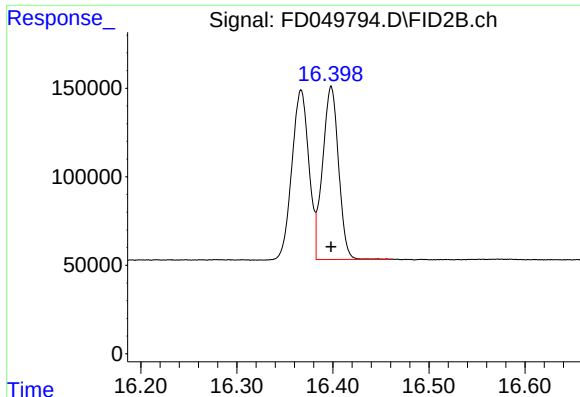
#15 Chrysene (C27.41)

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



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

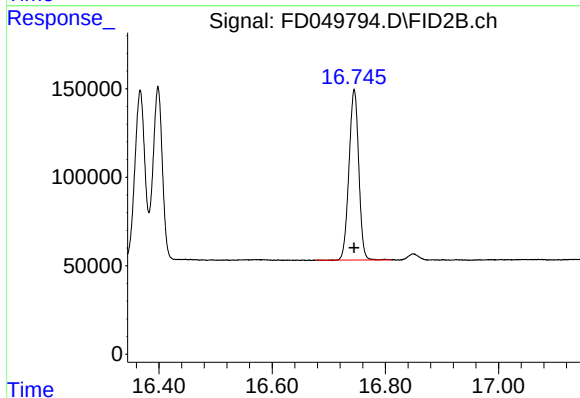
R.T.: 16.367 min
Delta R.T.: 0.000 min
Response: 1168552
Conc: 9.63 ug/ml



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

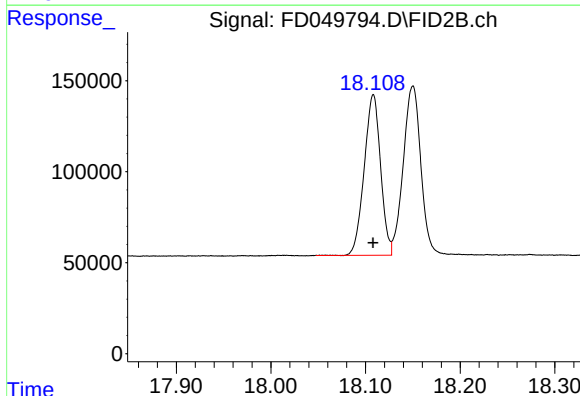
R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 1122024
Conc: 9.85 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



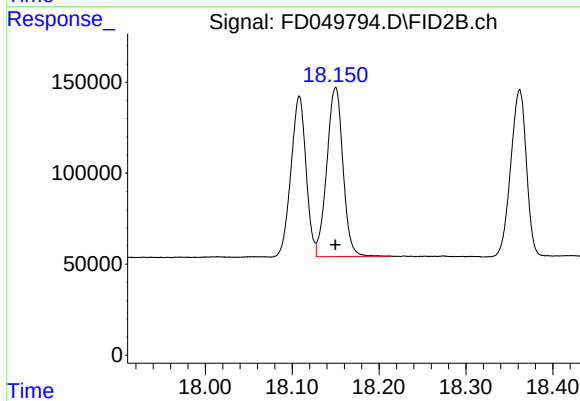
#18 Benzo[a]pyrene (C31.34)

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



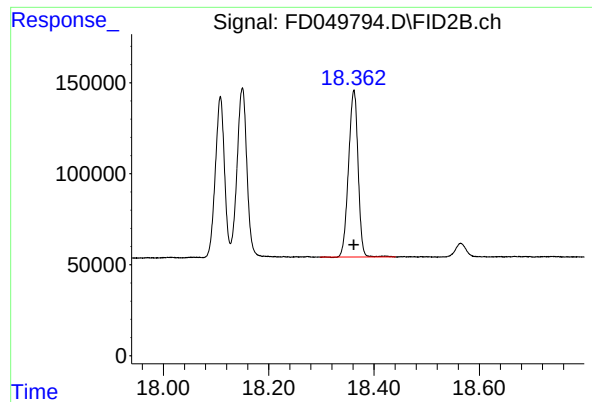
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

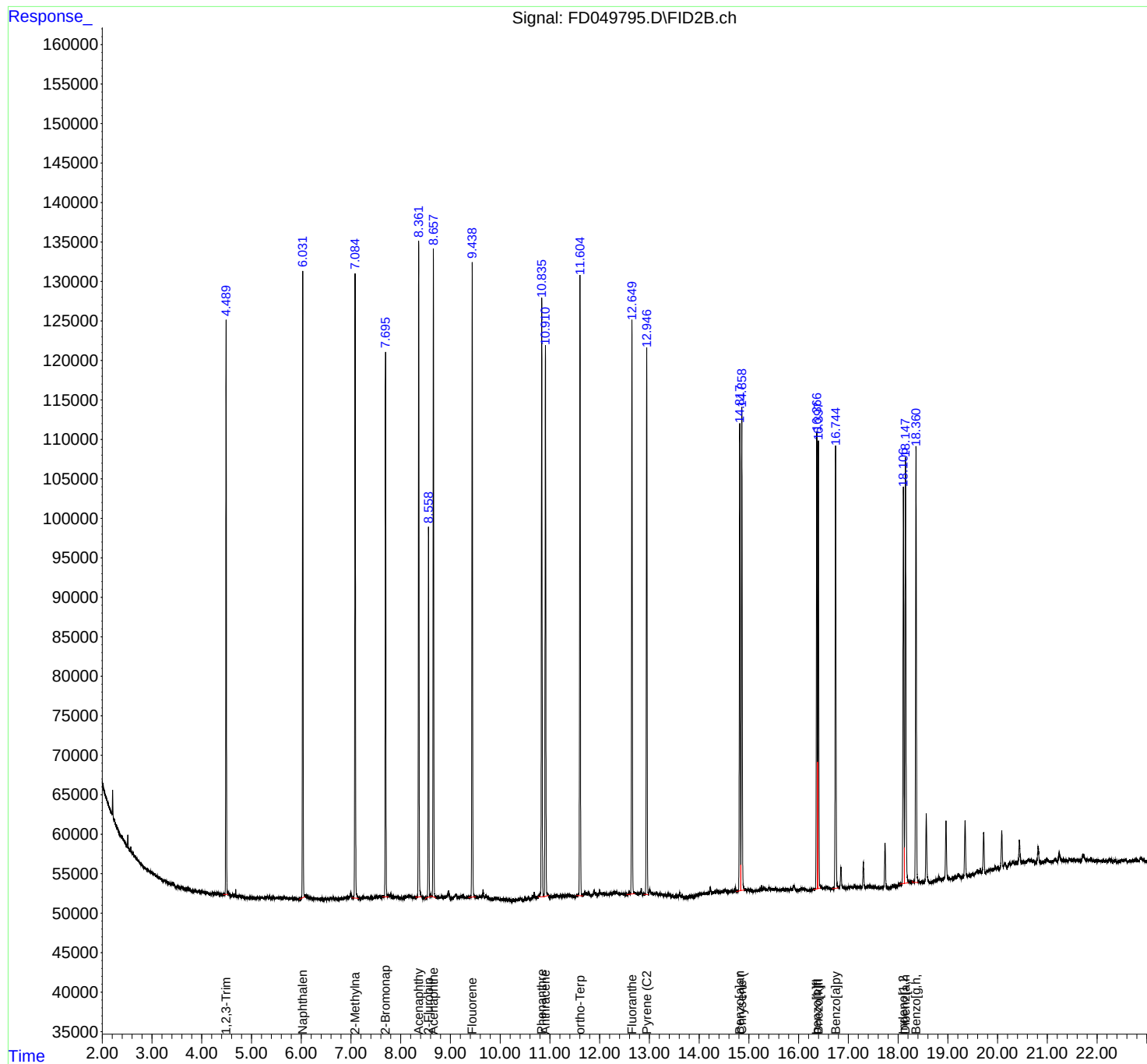
(m)=manual int.

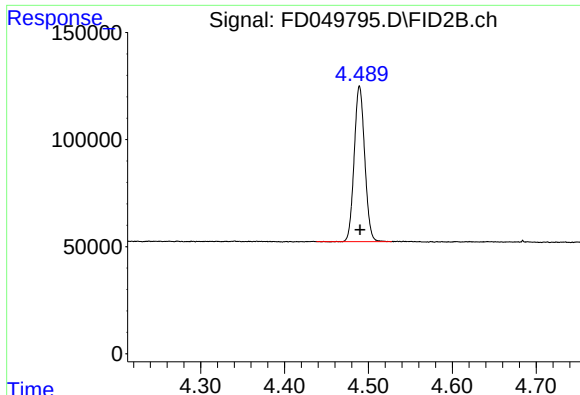
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049795.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 12:26
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

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

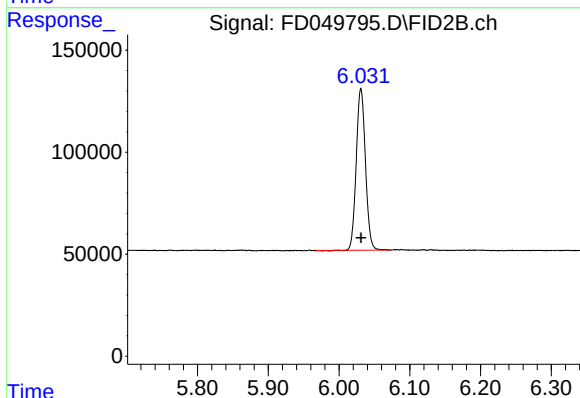




#1 1,2,3-Trimethylbenzene (C10.1)

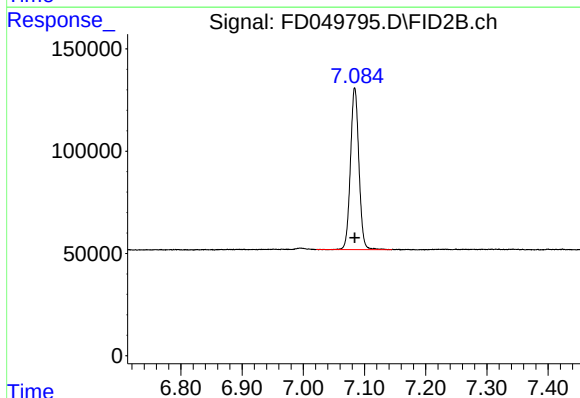
R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 631885
Conc: 5.56 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



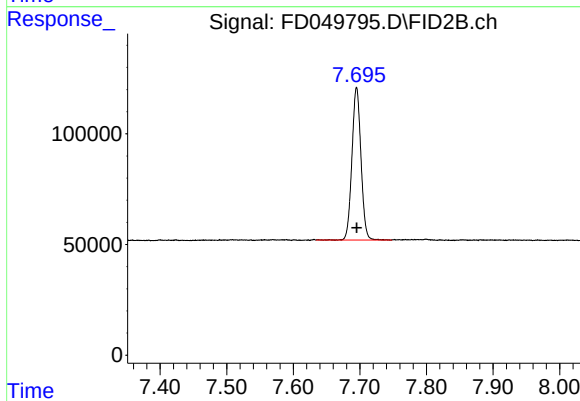
#2 Naphthalene (C11.7)

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



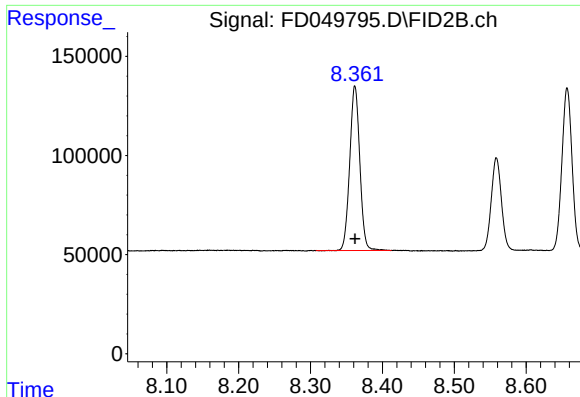
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

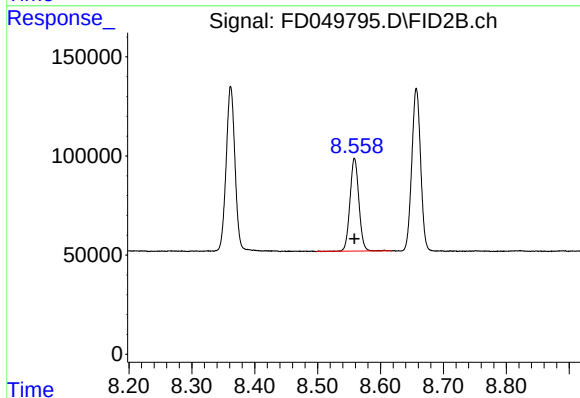
R.T.: 7.695 min
Delta R.T.: 0.000 min
Response: 647815
Conc: 5.45 ug/ml



#5 Acenaphthylene (C15.06)

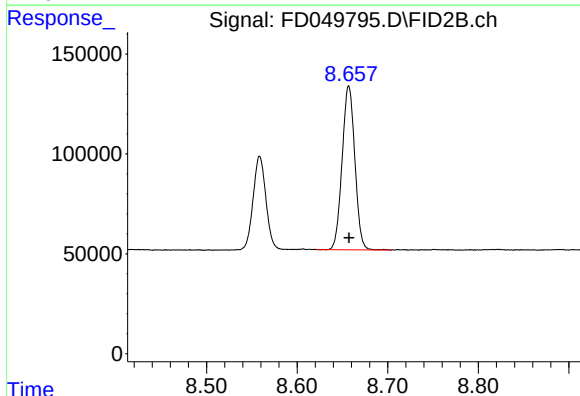
R.T.: 8.362 min
Delta R.T.: 0.000 min
Response: 808838
Conc: 5.54 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



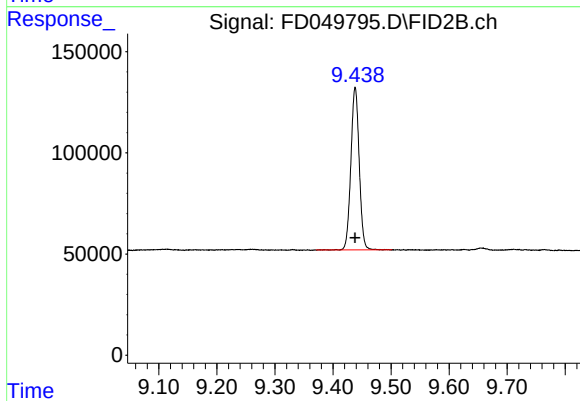
#6 2-Fluorobiphenyl (SURR)

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



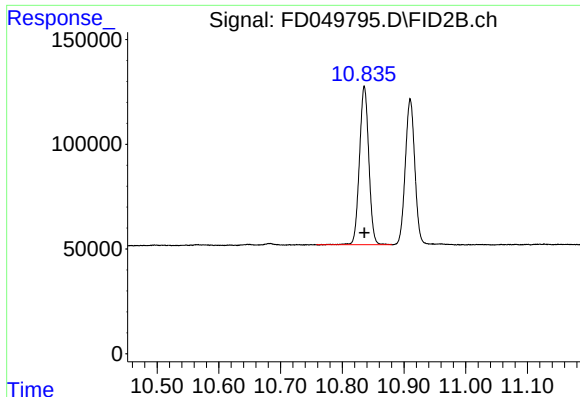
#7 Acenaphthene (C15.5)

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



#8 Fluorene (C16.55)

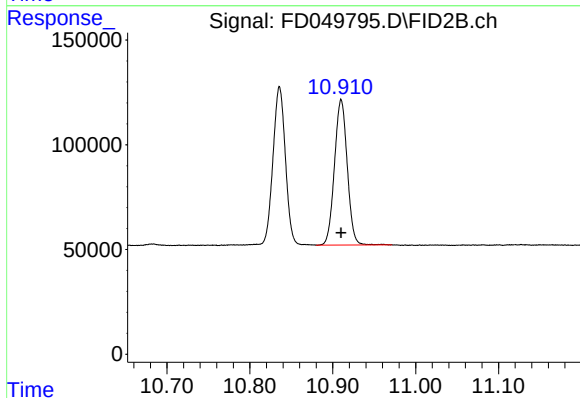
R.T.: 9.438 min
Delta R.T.: 0.000 min
Response: 800622
Conc: 5.48 ug/ml



#9 Phenanthrene (C19.36)

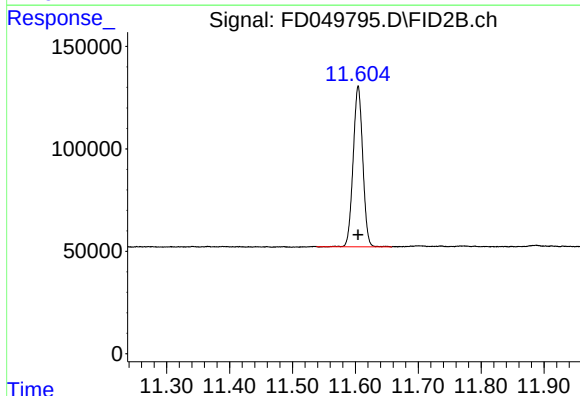
R.T.: 10.836 min
Delta R.T.: 0.000 min
Response: 792782
Conc: 5.42 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



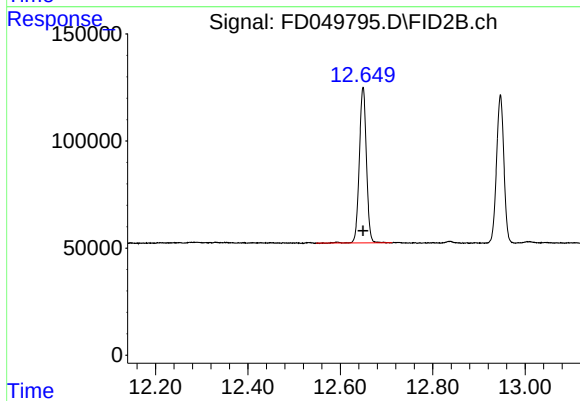
#10 Anthracene (C19.43)

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



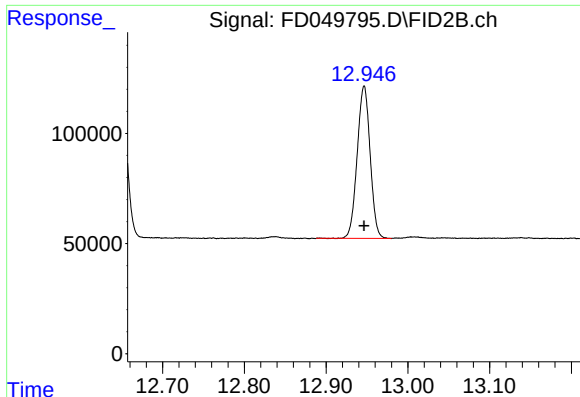
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

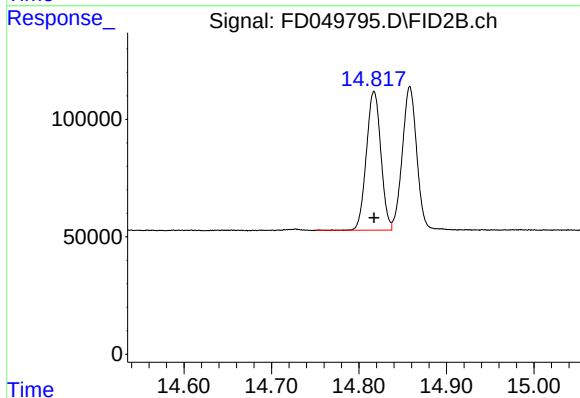
R.T.: 12.649 min
Delta R.T.: 0.000 min
Response: 775923
Conc: 5.45 ug/ml



#13 Pyrene (C20.8)

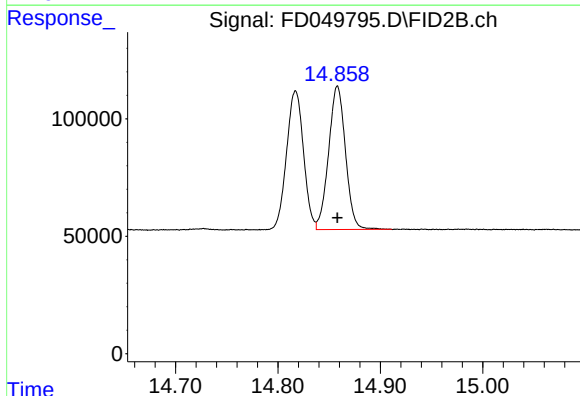
R.T.: 12.946 min
Delta R.T.: 0.000 min
Response: 760412
Conc: 5.41 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



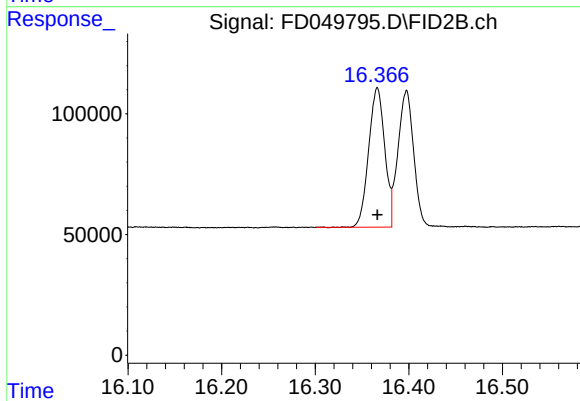
#14 Benzo[a]anthracene (C26.37)

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



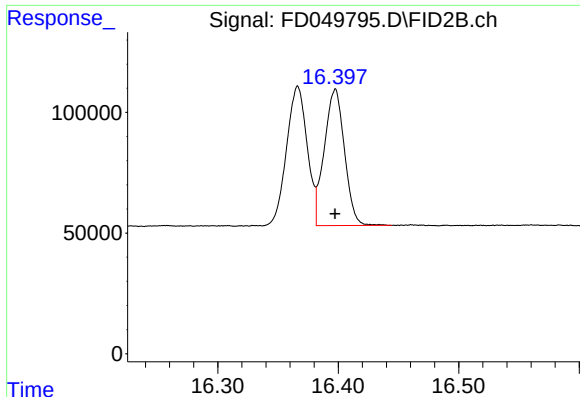
#15 Chrysene (C27.41)

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



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

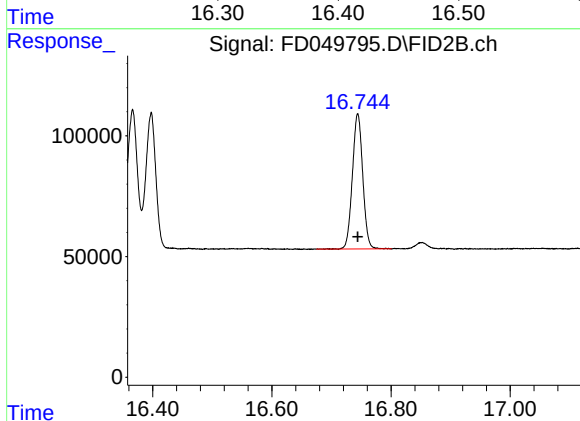
R.T.: 16.366 min
Delta R.T.: 0.000 min
Response: 686760
Conc: 5.51 ug/ml



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

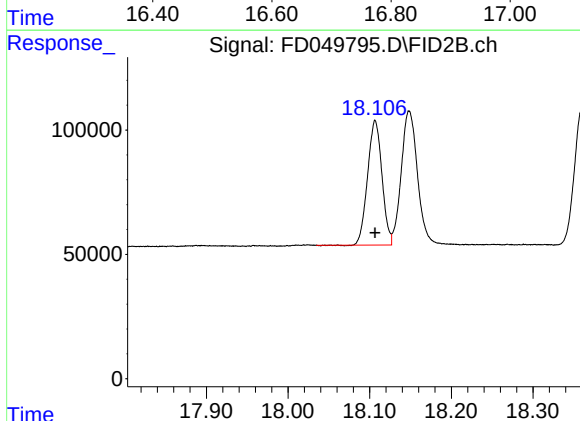
R.T.: 16.397 min
Delta R.T.: 0.000 min
Response: 658709
Conc: 5.61 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



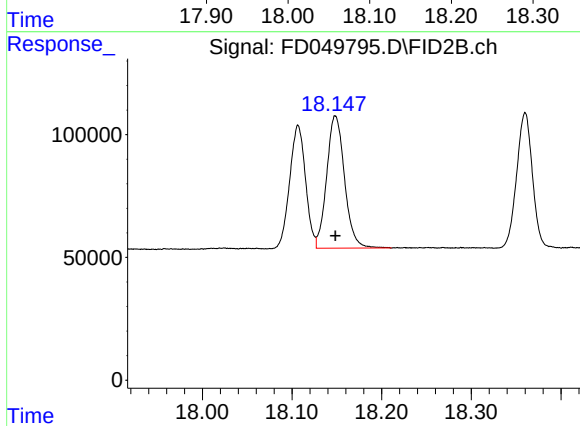
#18 Benzo[a]pyrene (C31.34)

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



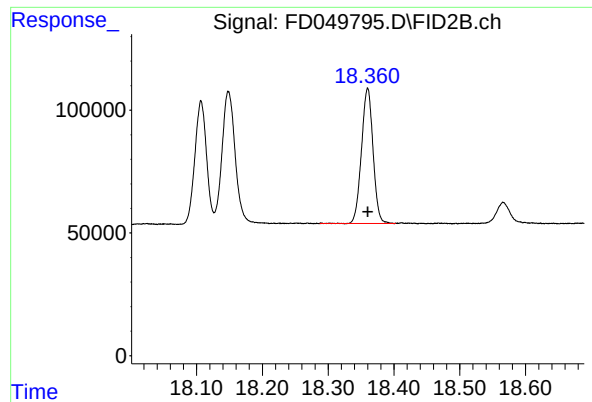
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

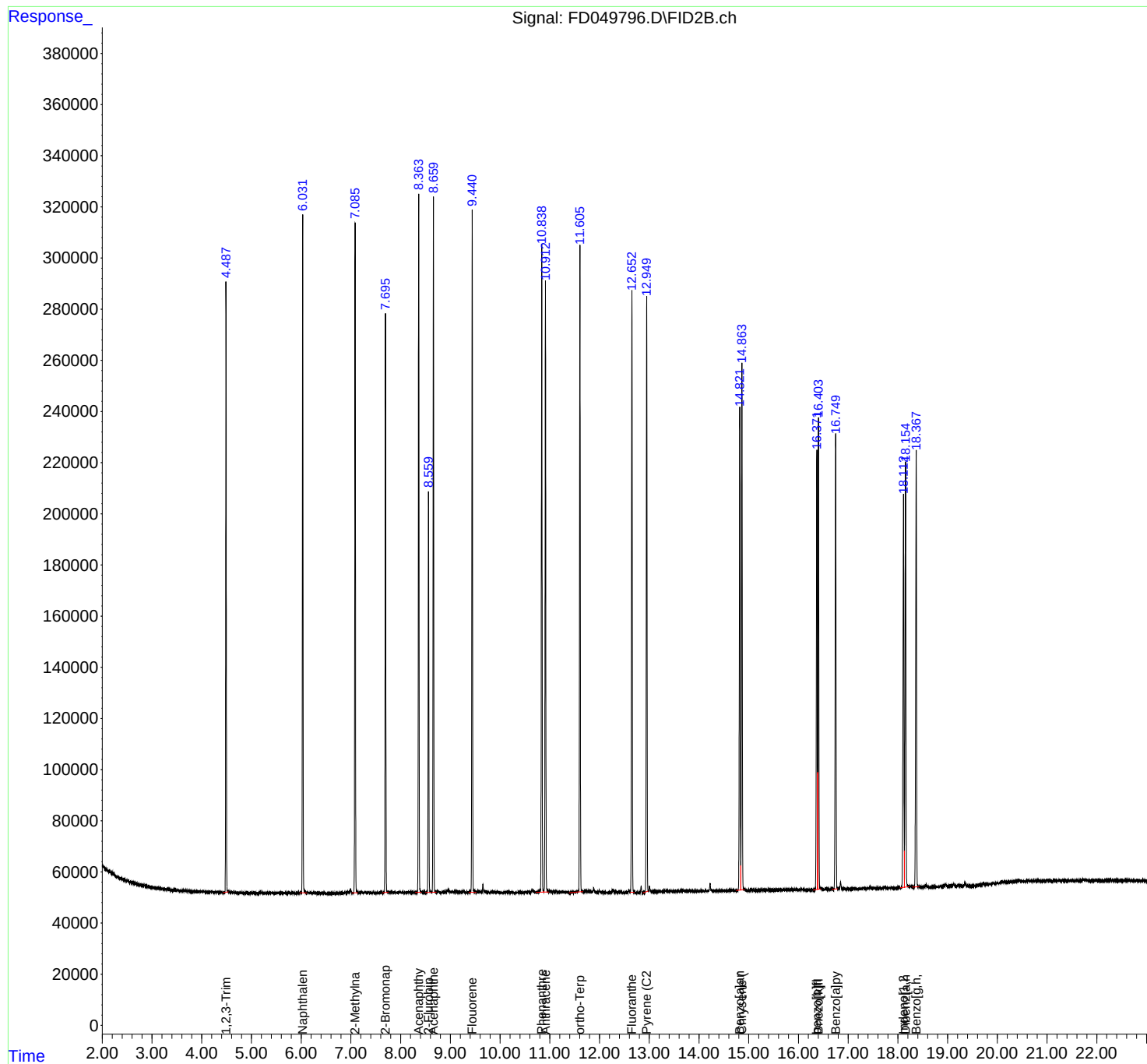
(m)=manual int.

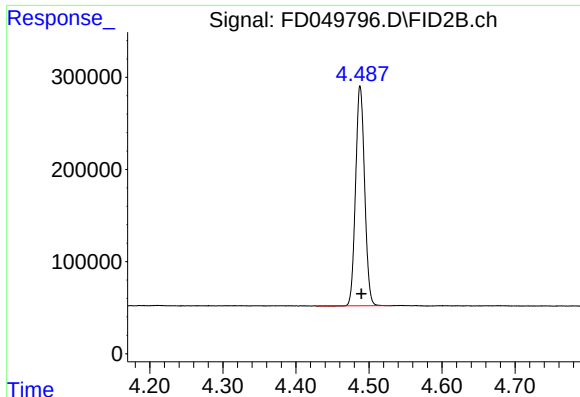
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049796.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 13:09
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 61 Sample Multiplier: 1

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

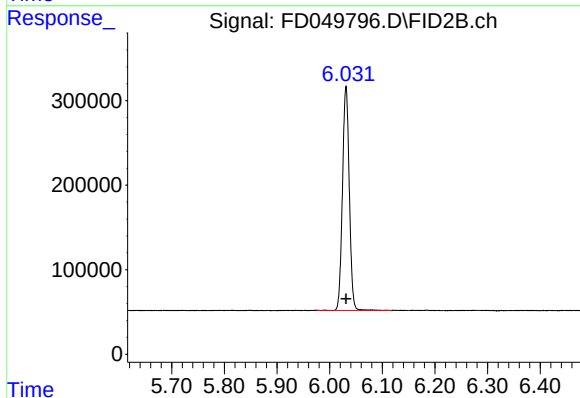




#1 1,2,3-Trimethylbenzene (C10.1)

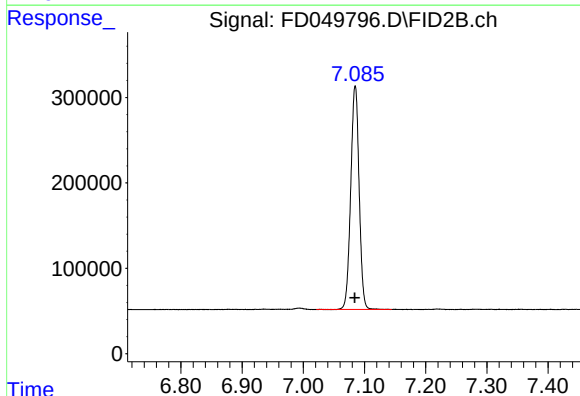
R.T.: 4.488 min
Delta R.T.: -0.002 min
Response: 2048815
Conc: 18.03 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



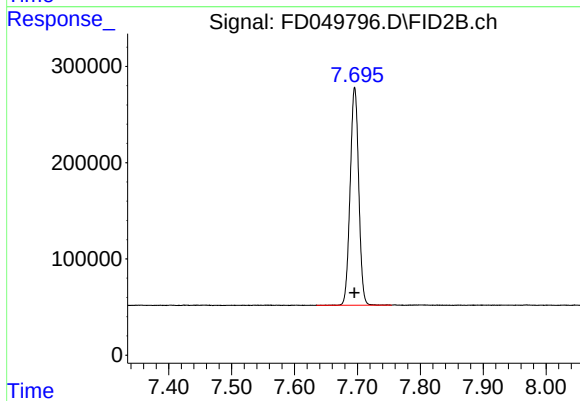
#2 Naphthalene (C11.7)

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



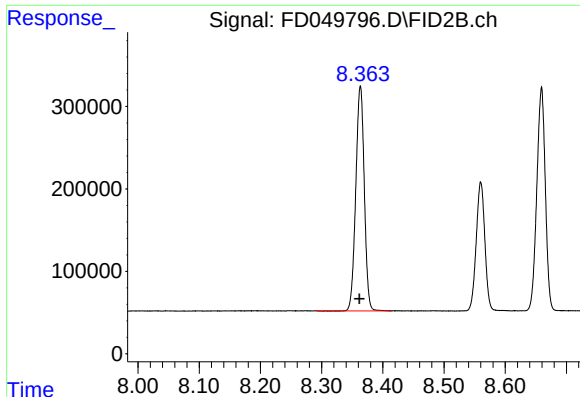
#3 2-Methylnaphthalene (C12.89)

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



#4 2-Bromonaphthalene (SURR)

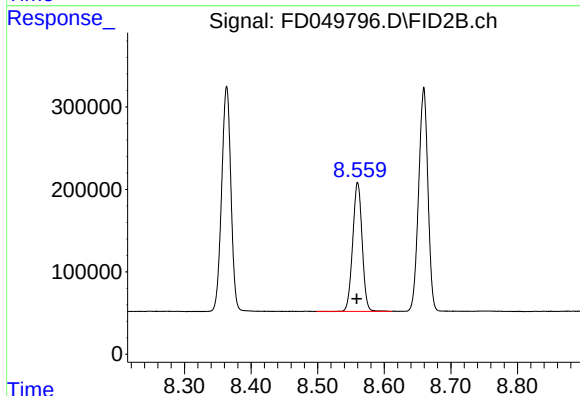
R.T.: 7.696 min
Delta R.T.: 0.000 min
Response: 2142320
Conc: 18.03 ug/ml



#5 Acenaphthylene (C15.06)

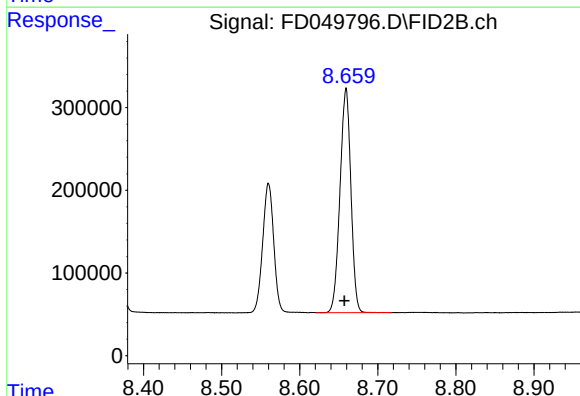
R.T.: 8.363 min
Delta R.T.: 0.001 min
Response: 2633294
Conc: 18.02 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



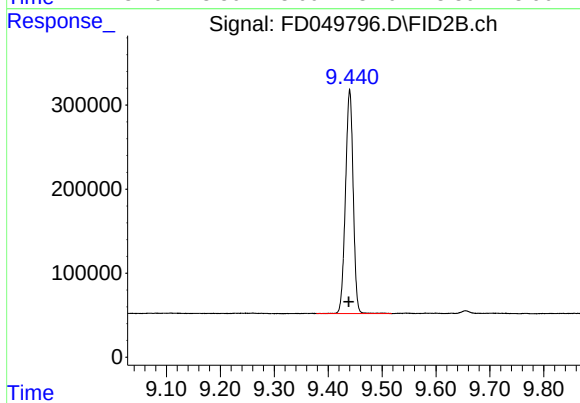
#6 2-Fluorobiphenyl (SURR)

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



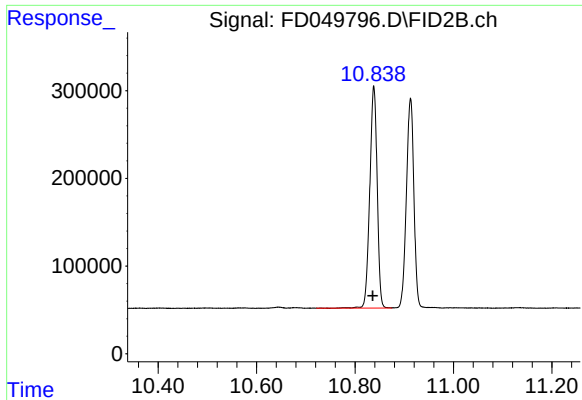
#7 Acenaphthene (C15.5)

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



#8 Fluorene (C16.55)

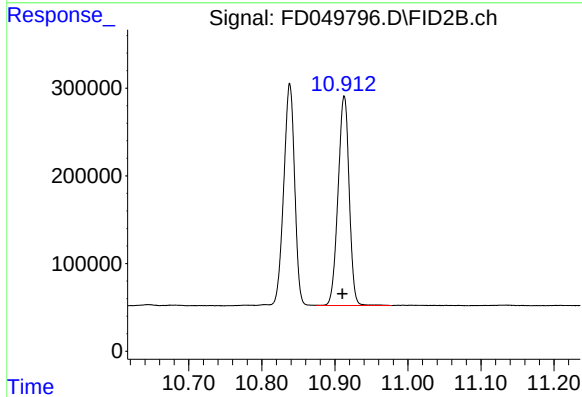
R.T.: 9.440 min
Delta R.T.: 0.002 min
Response: 2645074
Conc: 18.11 ug/ml



#9 Phenanthrene (C19.36)

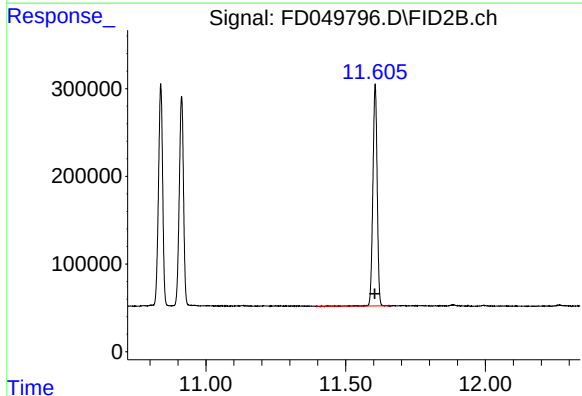
R.T.: 10.838 min
Delta R.T.: 0.002 min
Response: 2634207
Conc: 18.02 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



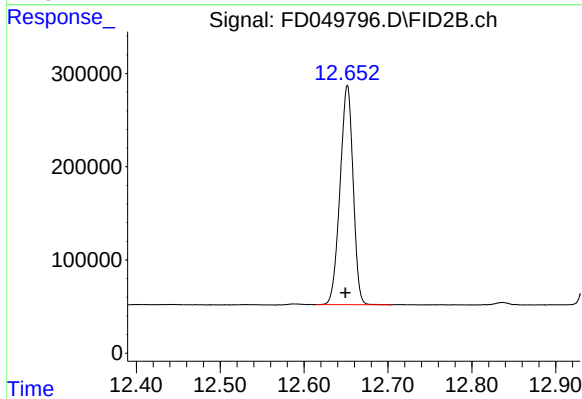
#10 Anthracene (C19.43)

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



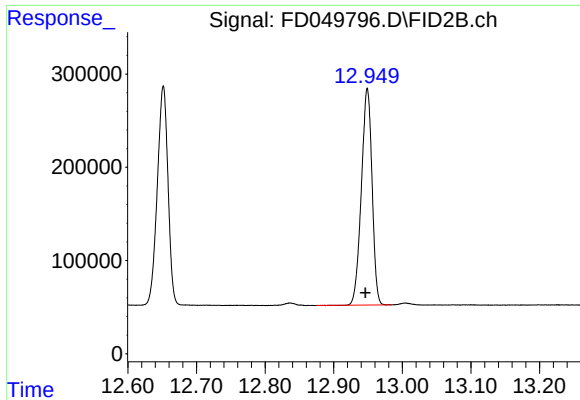
#11 ortho-Terphenyl (SURR)

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



#12 Fluoranthene (C21.85)

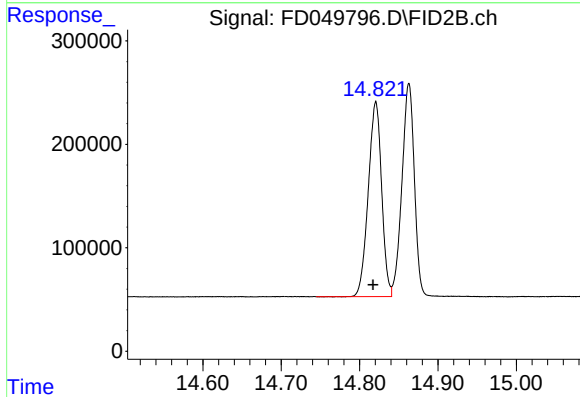
R.T.: 12.651 min
Delta R.T.: 0.002 min
Response: 2549562
Conc: 17.90 ug/ml



#13 Pyrene (C20.8)

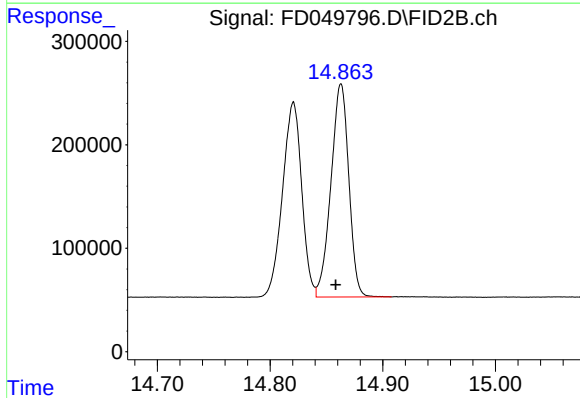
R.T.: 12.949 min
Delta R.T.: 0.002 min
Response: 2513219
Conc: 17.88 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



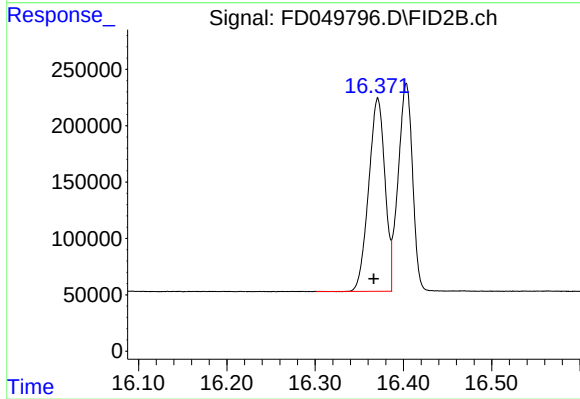
#14 Benzo[a]anthracene (C26.37)

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



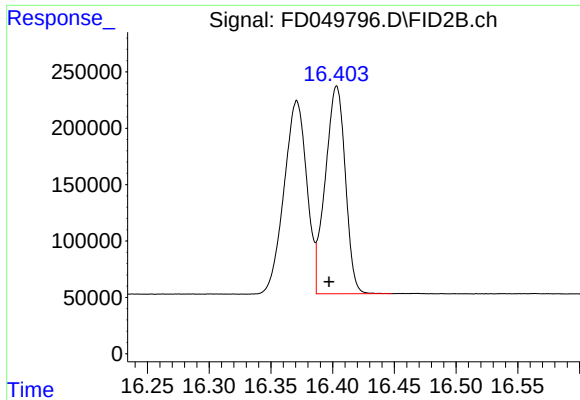
#15 Chrysene (C27.41)

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



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

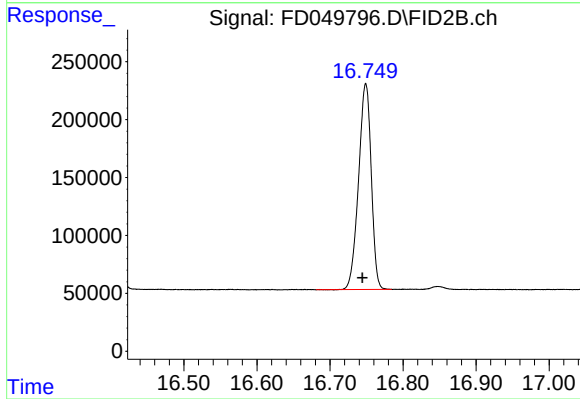
R.T.: 16.371 min
Delta R.T.: 0.005 min
Response: 2192575
Conc: 17.60 ug/ml



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

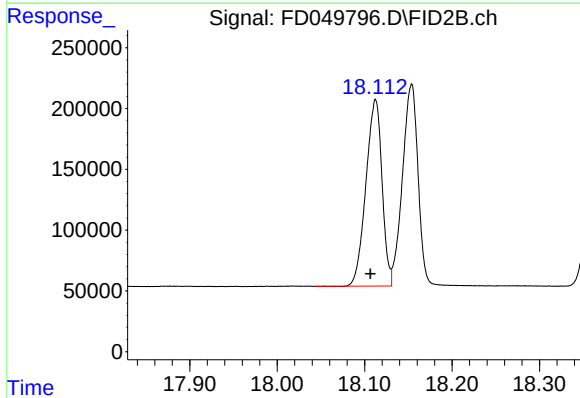
R.T.: 16.403 min
Delta R.T.: 0.006 min
Response: 2077138
Conc: 17.68 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



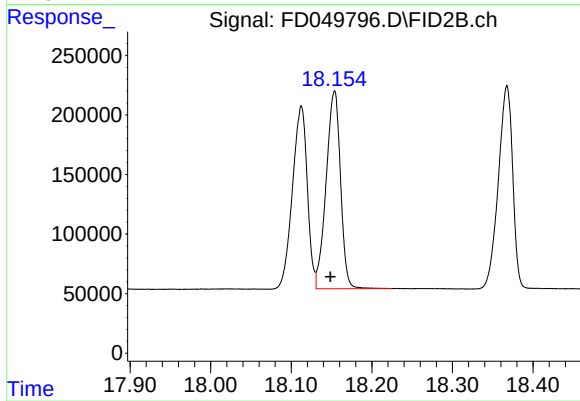
#18 Benzo[a]pyrene (C31.34)

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



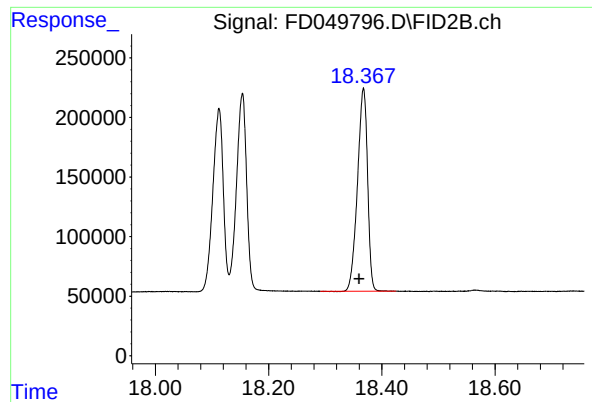
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

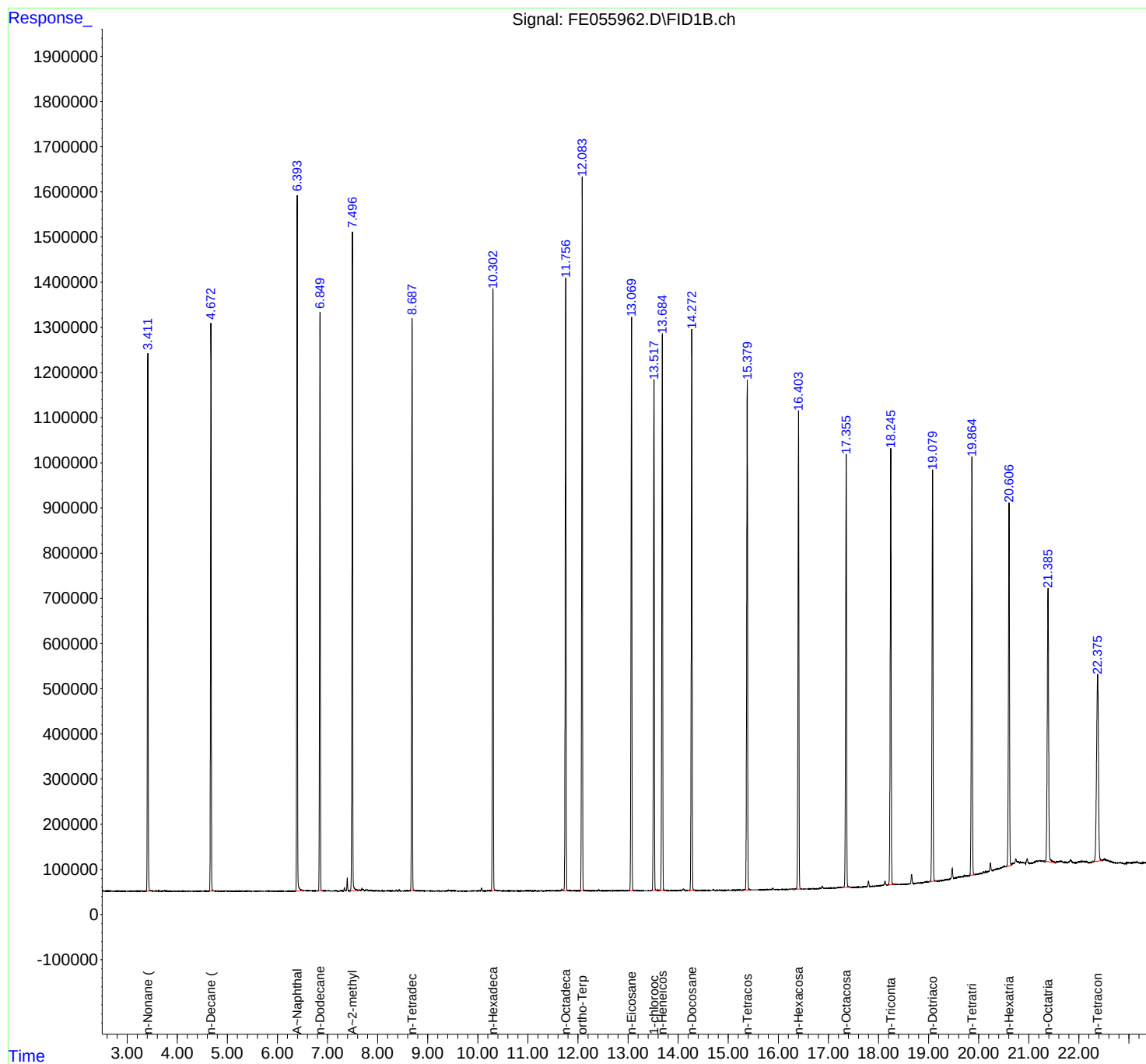
(m)=manual int.

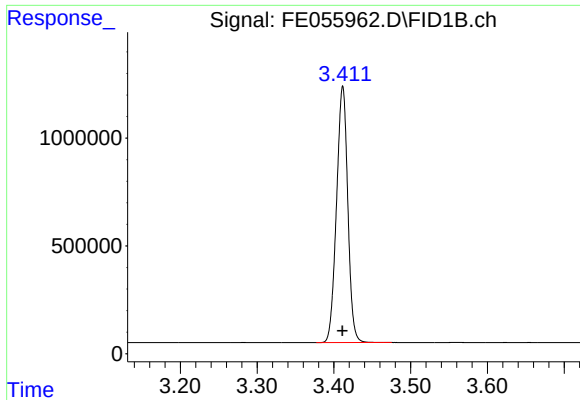
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055962.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 09:07
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

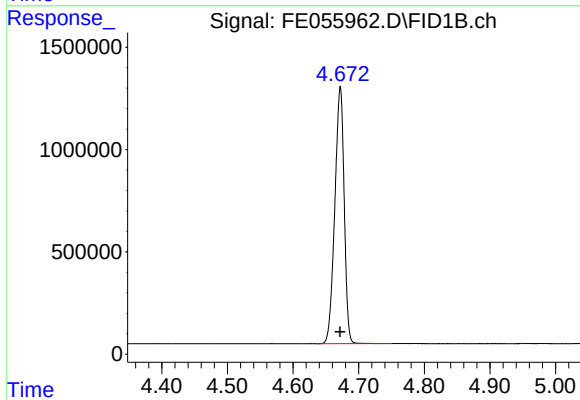




#1 n-Nonane (C9)

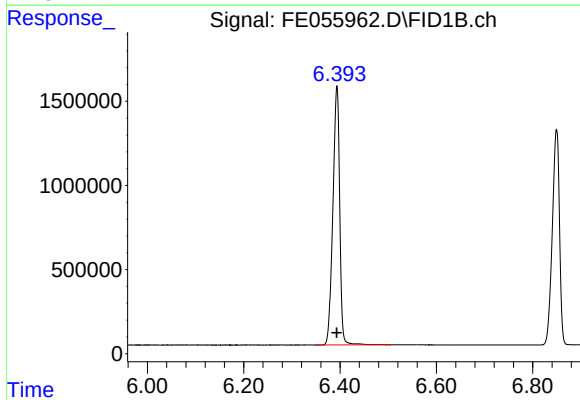
R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 12115570
Conc: 93.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



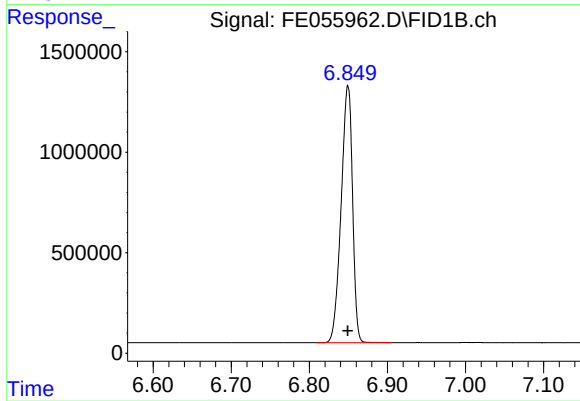
#2 n-Decane (C10)

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



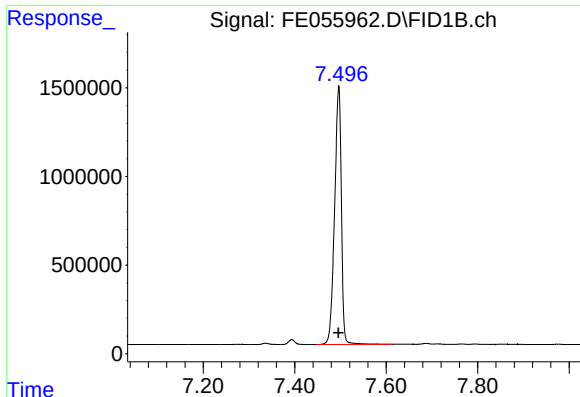
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

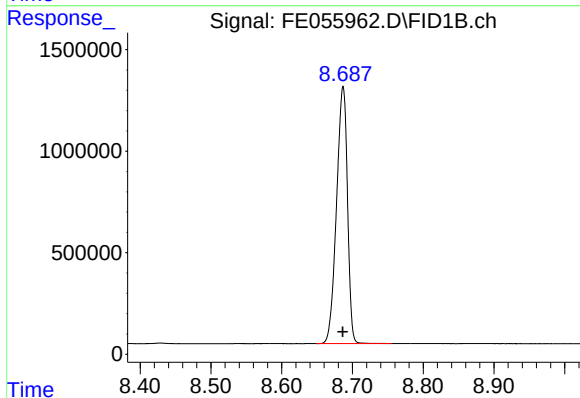
R.T.: 6.849 min
Delta R.T.: 0.000 min
Response: 12995625
Conc: 94.85 ug/ml



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

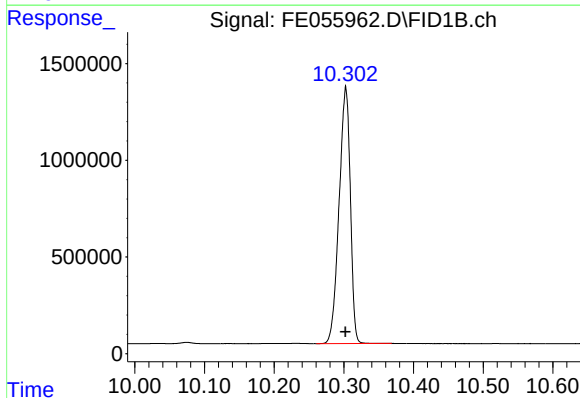
R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 15025333
Conc: 99.10 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



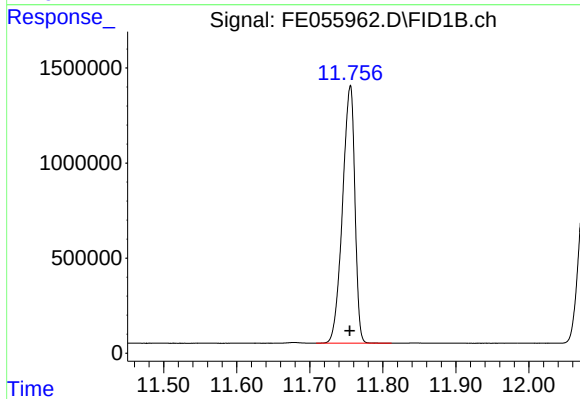
#6 n-Tetradecane (C14)

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



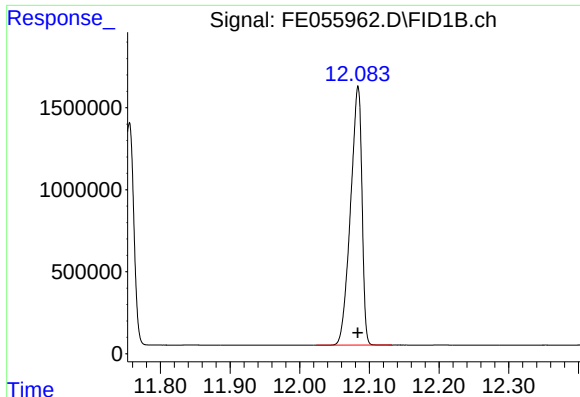
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

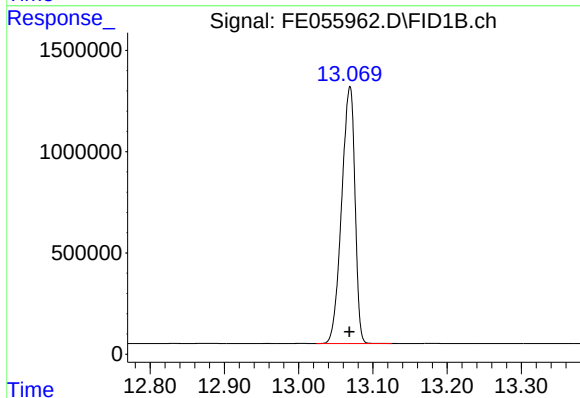
R.T.: 11.755 min
Delta R.T.: 0.000 min
Response: 15922809
Conc: 98.96 ug/ml



#9 ortho-Terphenyl (SURR)

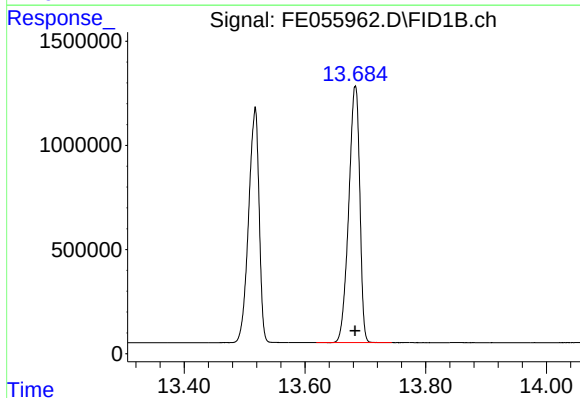
R.T.: 12.083 min
Delta R.T.: 0.000 min
Response: 17950450
Conc: 100.31 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



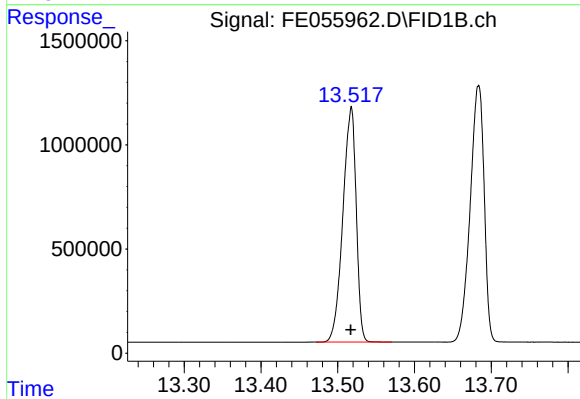
#10 n-Eicosane (C20)

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



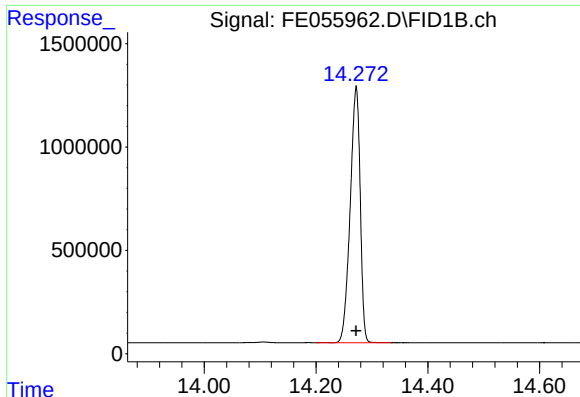
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

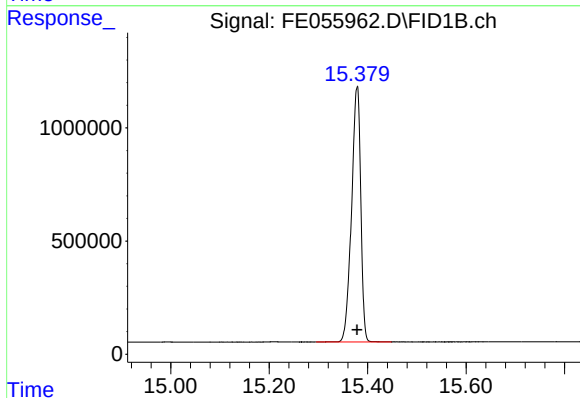
R.T.: 13.517 min
Delta R.T.: 0.000 min
Response: 13586232
Conc: 101.30 ug/ml



#13 n-Docosane (C22)

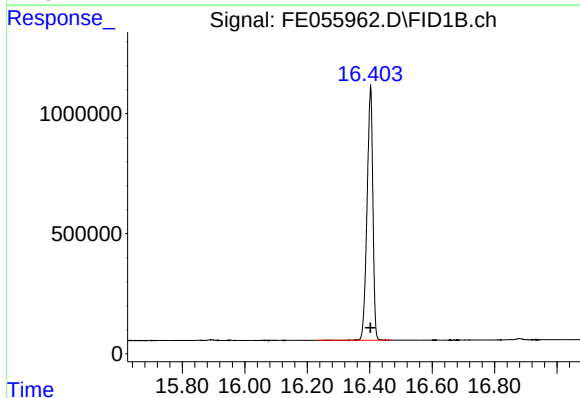
R.T.: 14.272 min
Delta R.T.: 0.000 min
Response: 15366782
Conc: 100.89 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



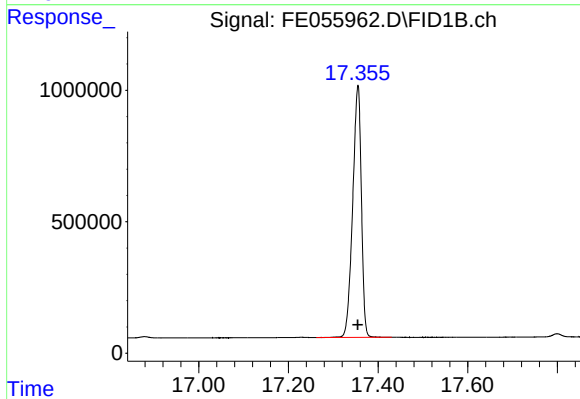
#14 n-Tetracosane (C24)

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



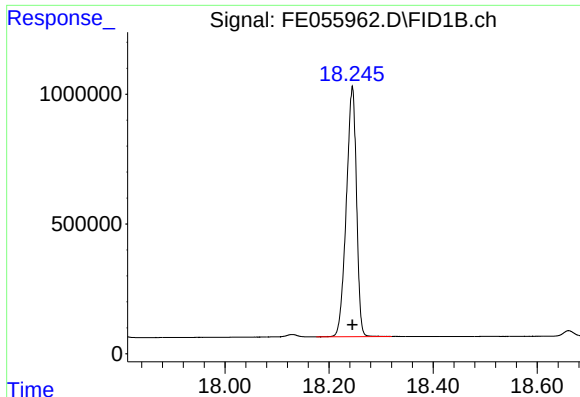
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

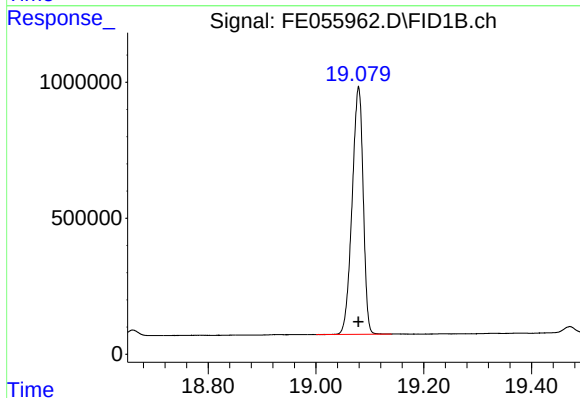
R.T.: 17.355 min
Delta R.T.: 0.000 min
Response: 12875737
Conc: 98.45 ug/ml



#17 n-Tricontane (C30)

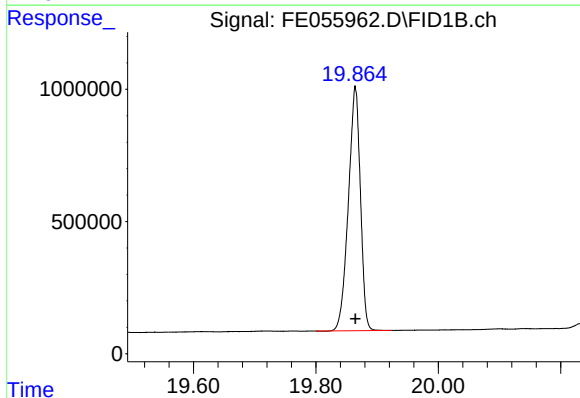
R.T.: 18.245 min
Delta R.T.: 0.000 min
Response: 13054346
Conc: 96.13 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



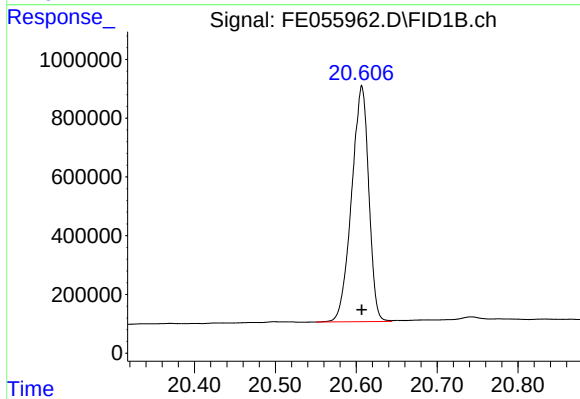
#18 n-Dotriacontane (C32)

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



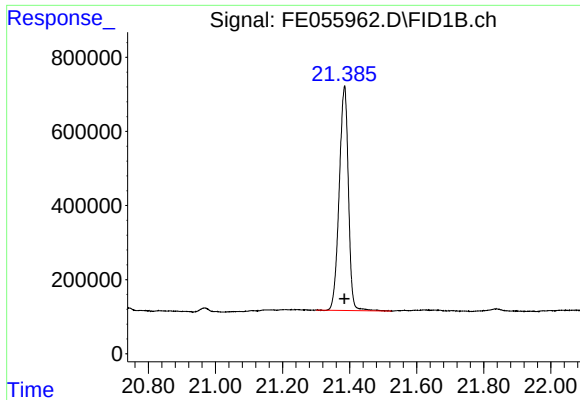
#19 n-Tetratriacontane (C34)

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)

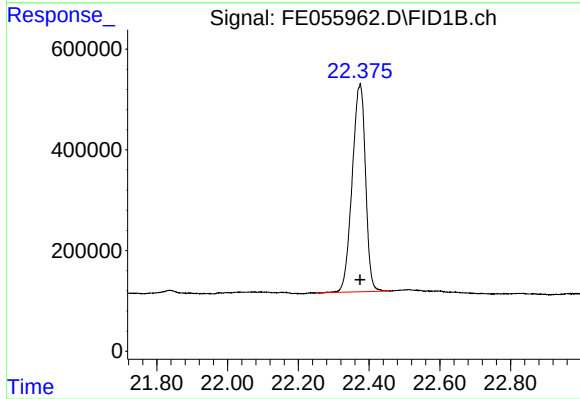
R.T.: 21.384 min
Delta R.T.: 0.000 min
Response: 11503060
Conc: 99.56 ug/ml

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

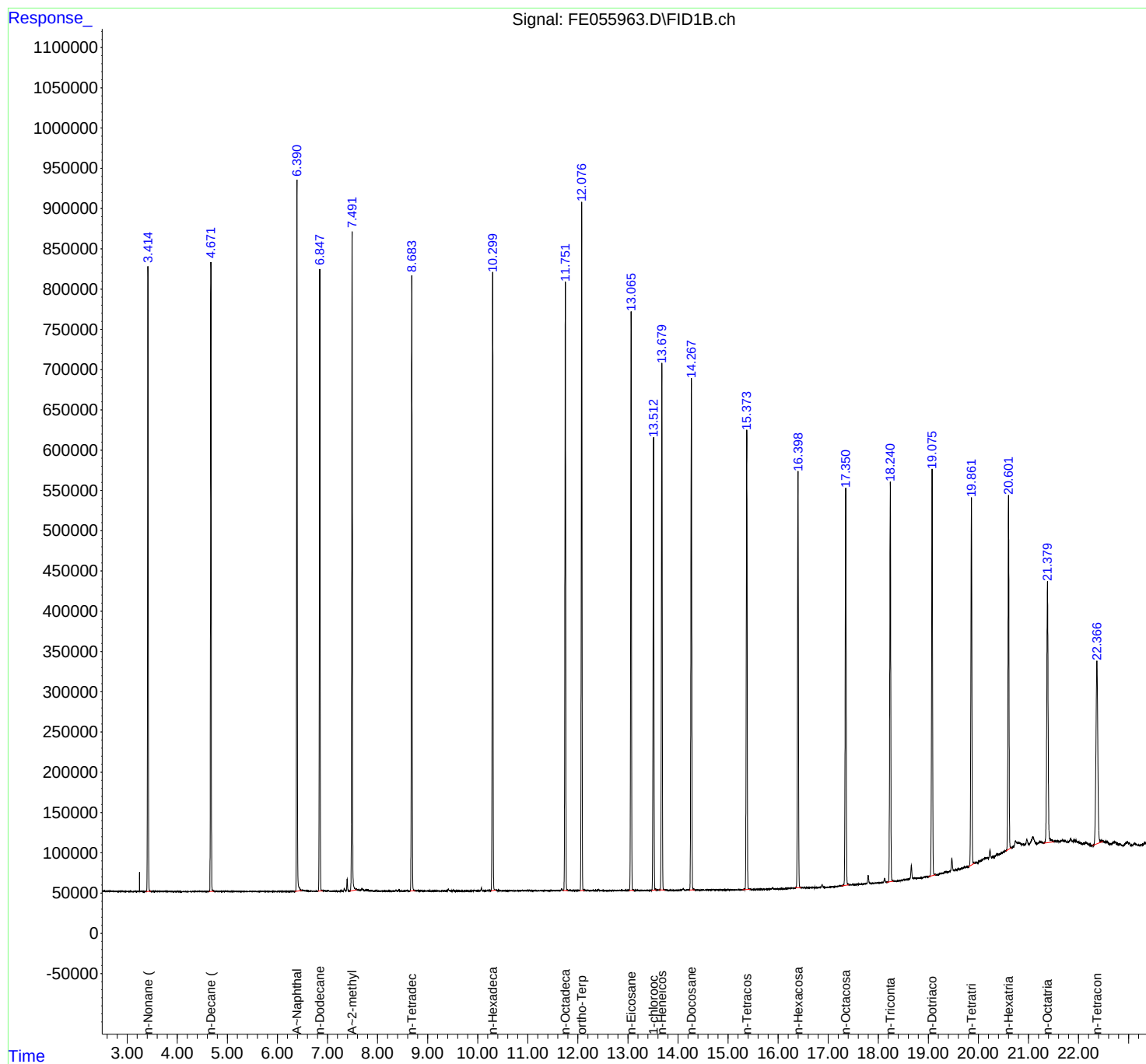
(m)=manual int.

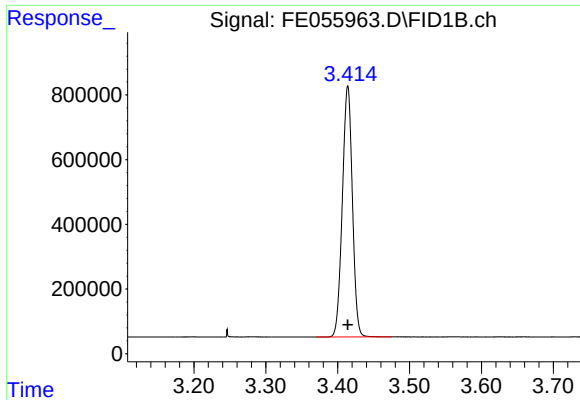
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055963.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 09:37
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

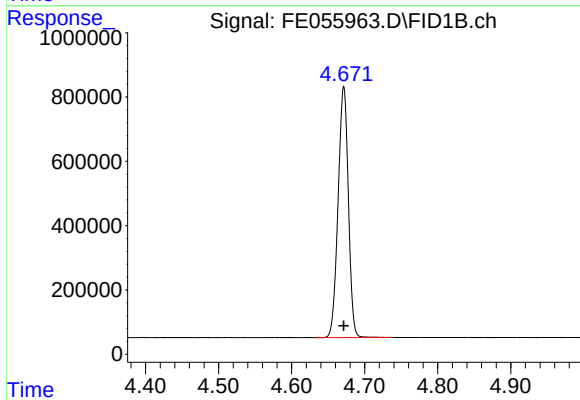




#1 n-Nonane (C9)

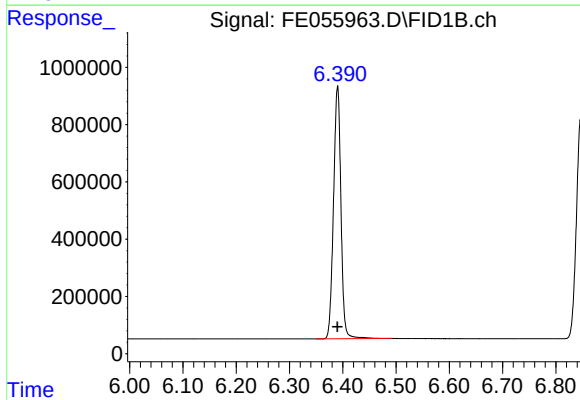
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 7521327
Conc: 55.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



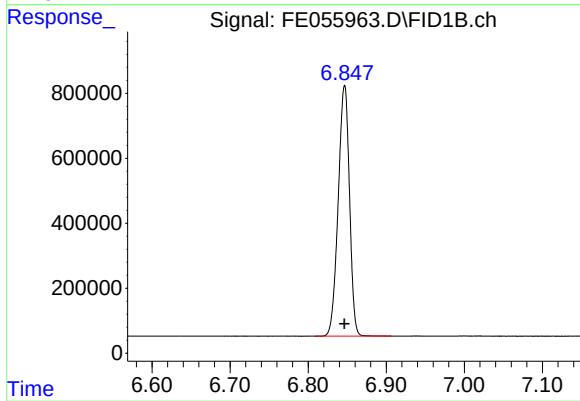
#2 n-Decane (C10)

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



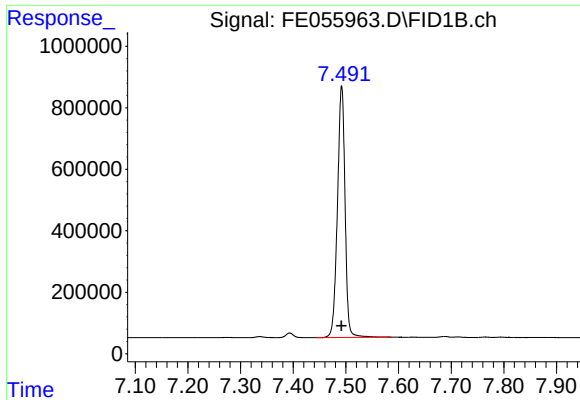
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

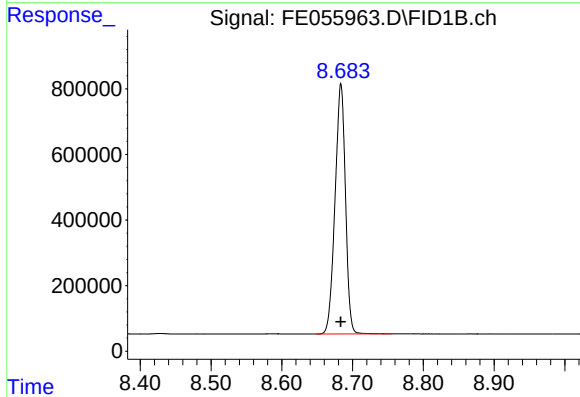
R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 7750210
Conc: 54.19 ug/ml



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

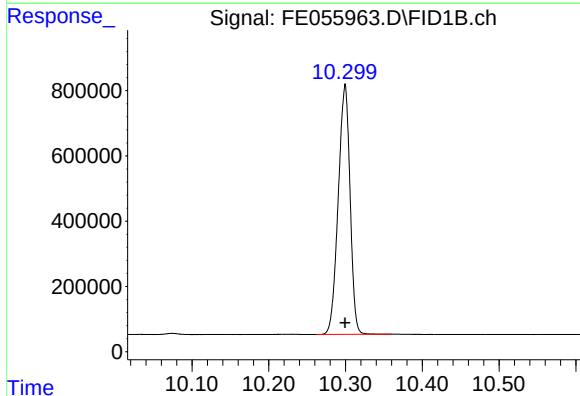
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 8232099
Conc: 52.78 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



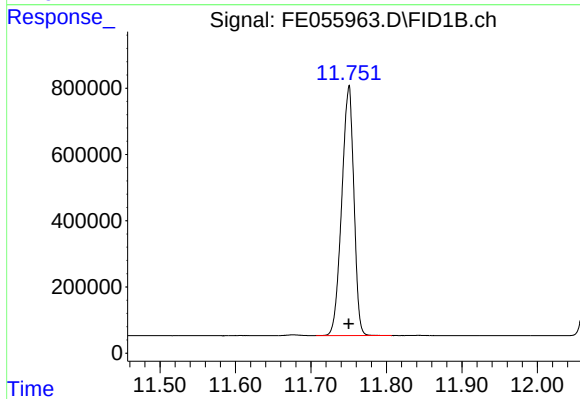
#6 n-Tetradecane (C14)

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



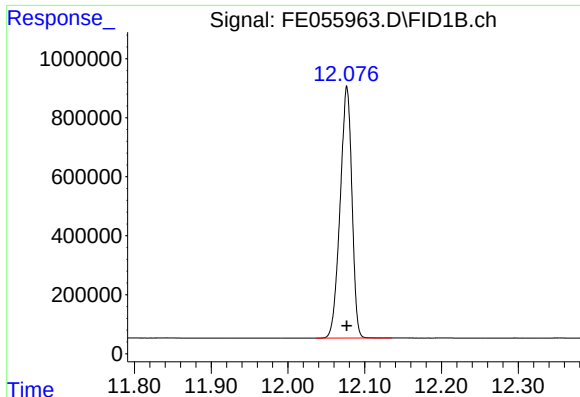
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

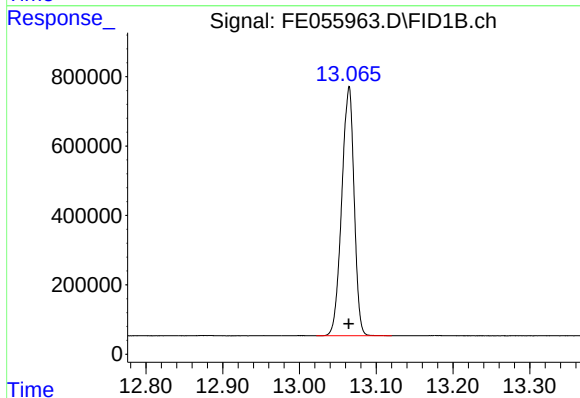
R.T.: 11.750 min
Delta R.T.: 0.000 min
Response: 8429200
Conc: 51.57 ug/ml



#9 ortho-Terphenyl (SURR)

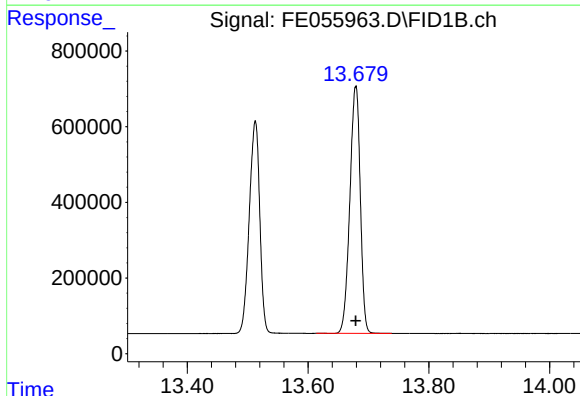
R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 9105995
Conc: 50.59 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



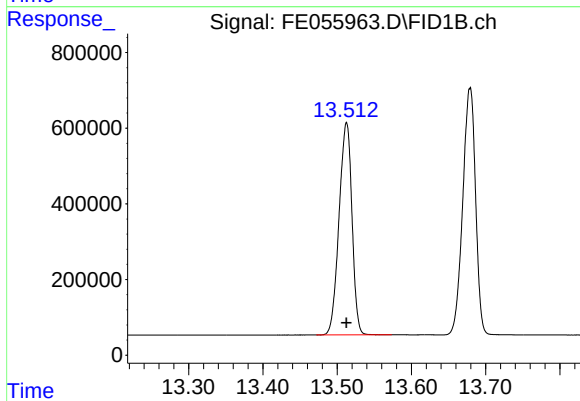
#10 n-Eicosane (C20)

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



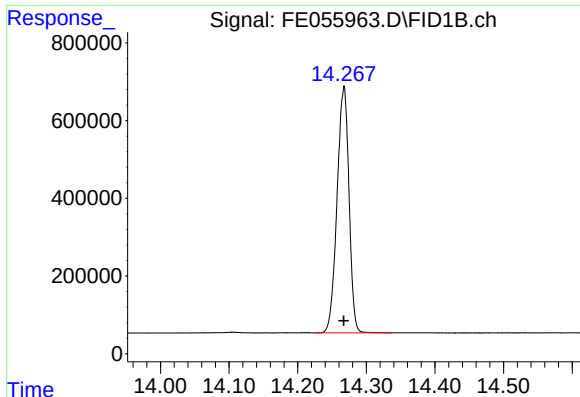
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

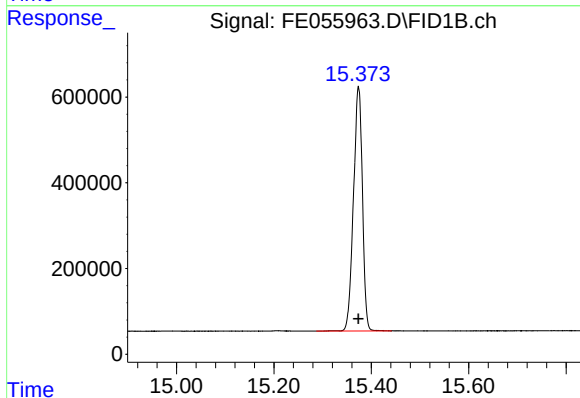
R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 6779455
Conc: 50.37 ug/ml



#13 n-Docosane (C22)

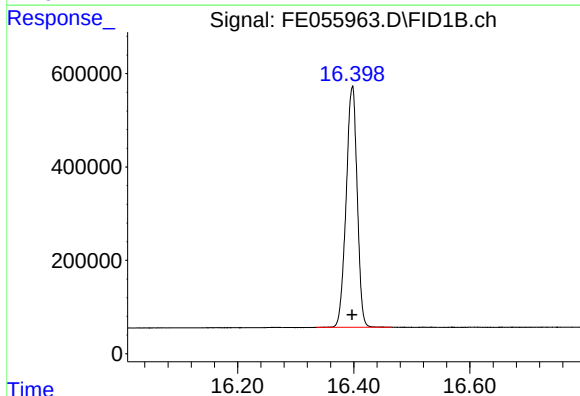
R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 7654502
Conc: 50.17 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



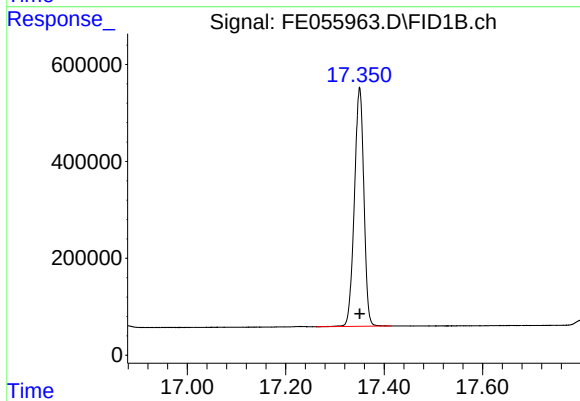
#14 n-Tetracosane (C24)

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



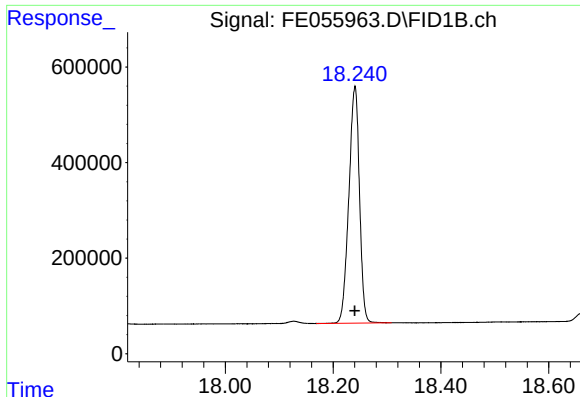
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

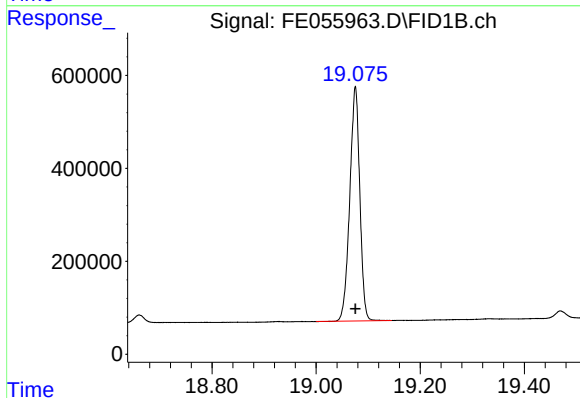
R.T.: 17.350 min
Delta R.T.: 0.000 min
Response: 6587657
Conc: 50.25 ug/ml



#17 n-Tricontane (C30)

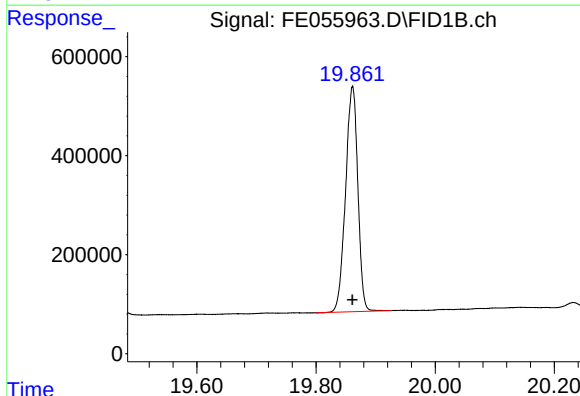
R.T.: 18.240 min
Delta R.T.: 0.000 min
Response: 6773890
Conc: 49.92 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



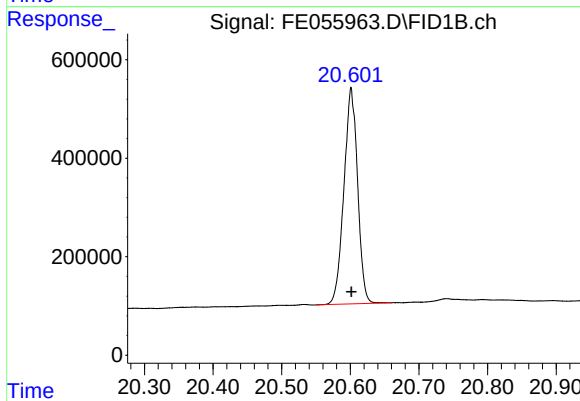
#18 n-Dotriacontane (C32)

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



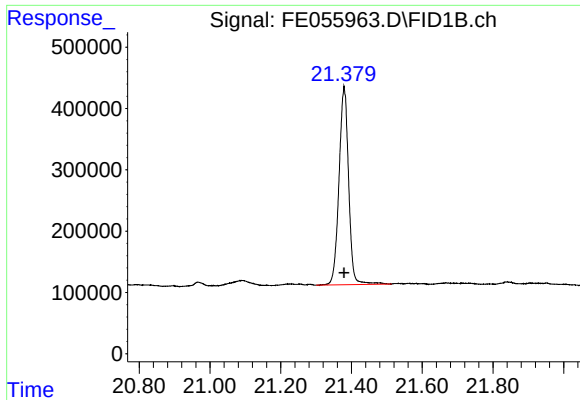
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

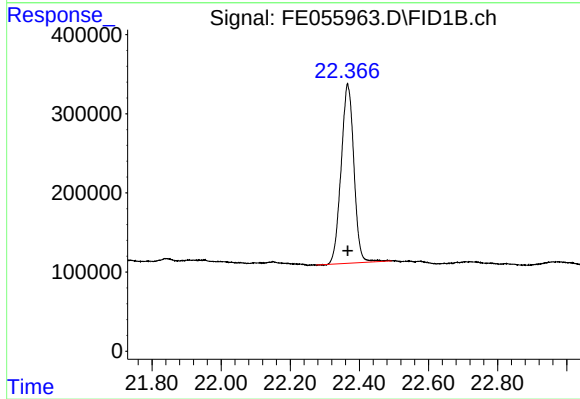
R.T.: 20.601 min
Delta R.T.: 0.000 min
Response: 6074929
Conc: 50.04 ug/ml



#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

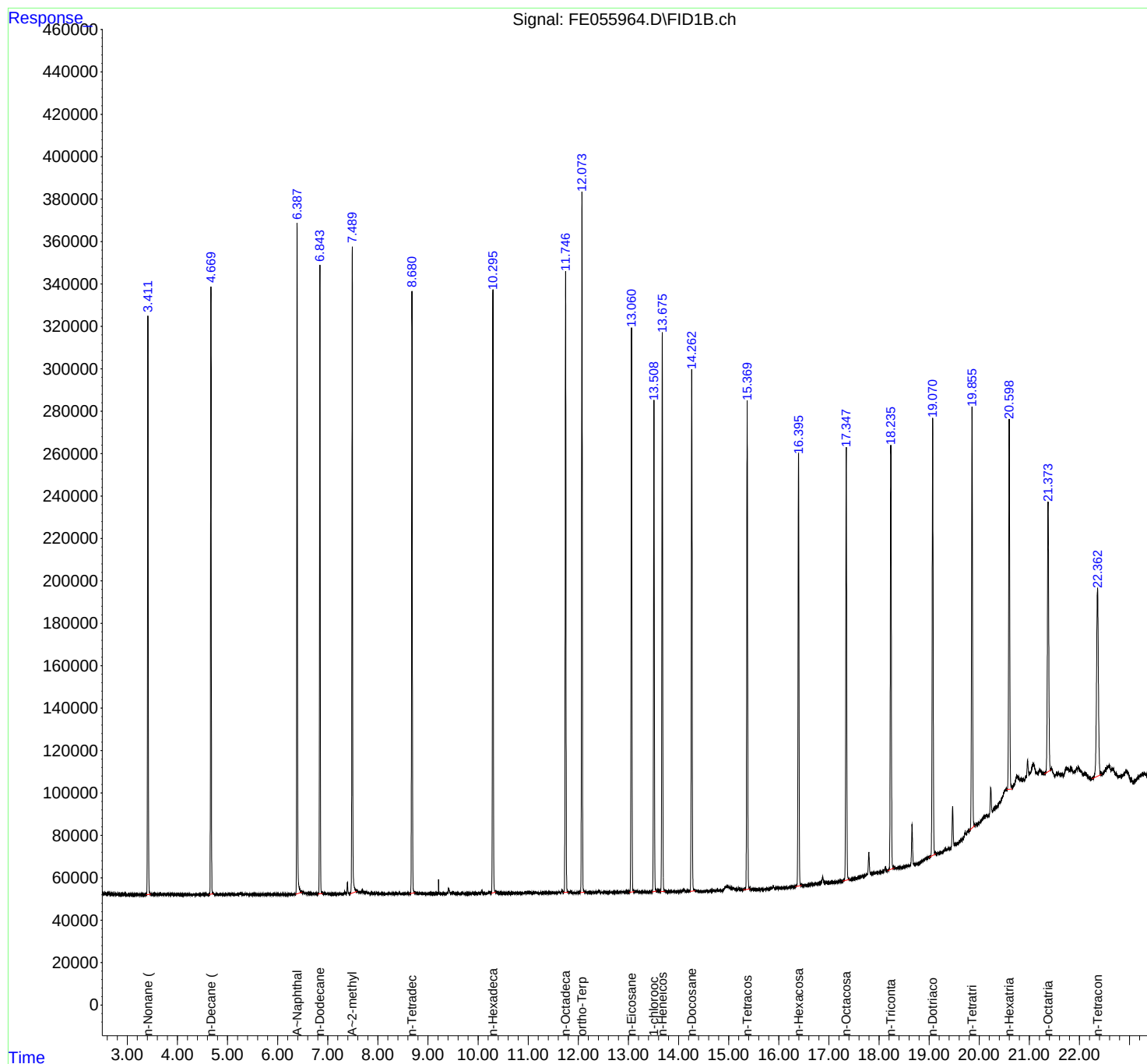
(m)=manual int.

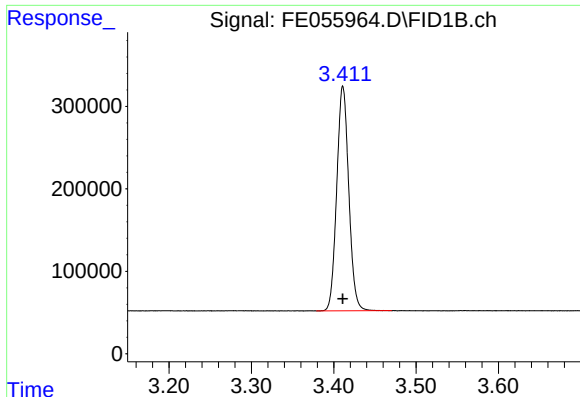
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055964.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:07
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

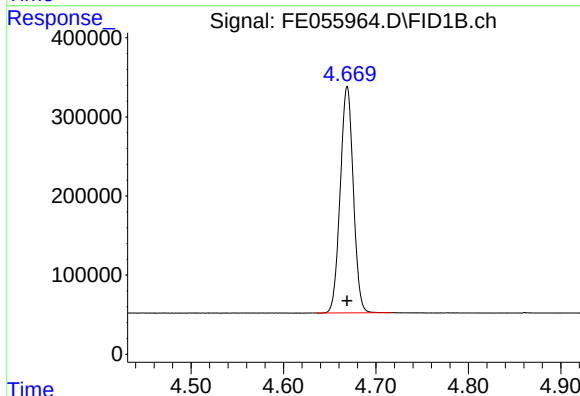




#1 n-Nonane (C9)

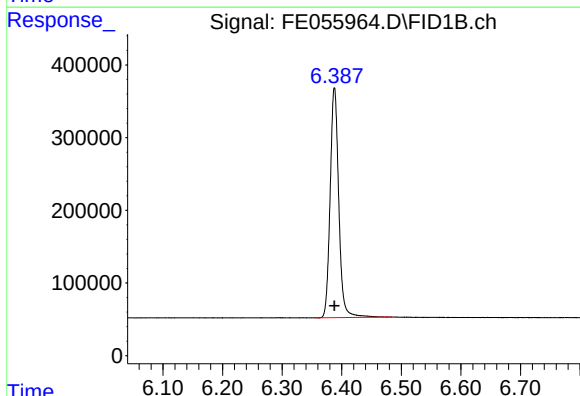
R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 2766852
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



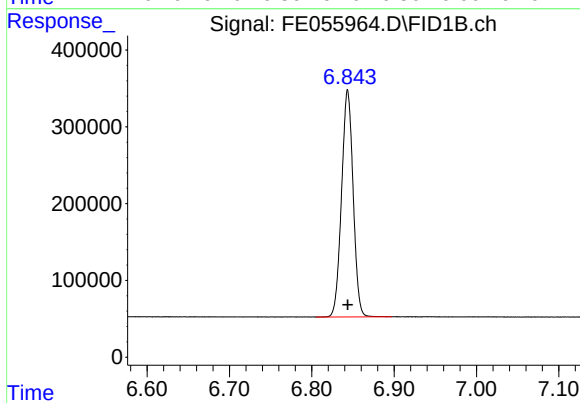
#2 n-Decane (C10)

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



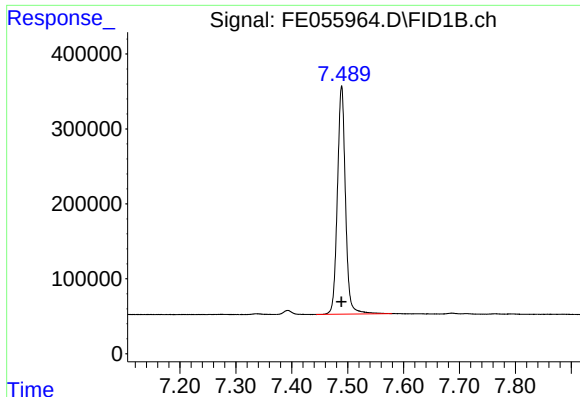
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

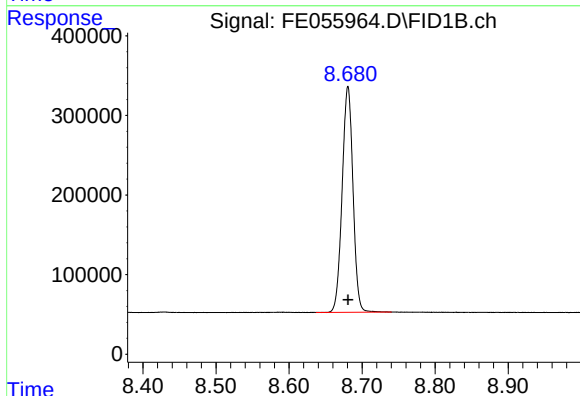
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2881508
Conc: 20.00 ug/ml



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

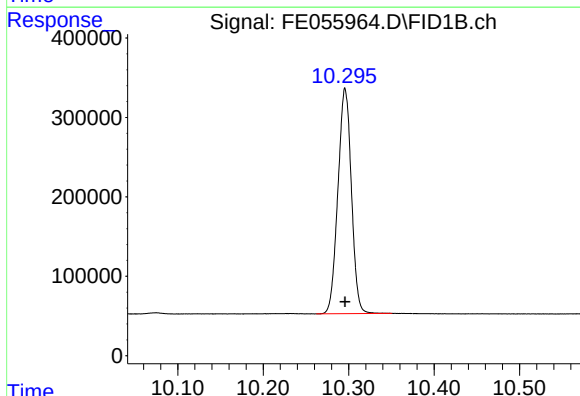
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 3059763
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



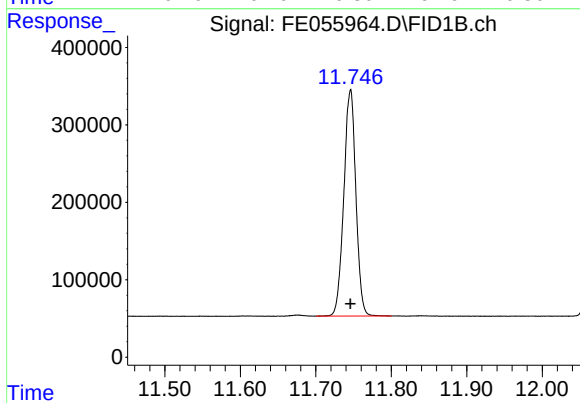
#6 n-Tetradecane (C14)

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



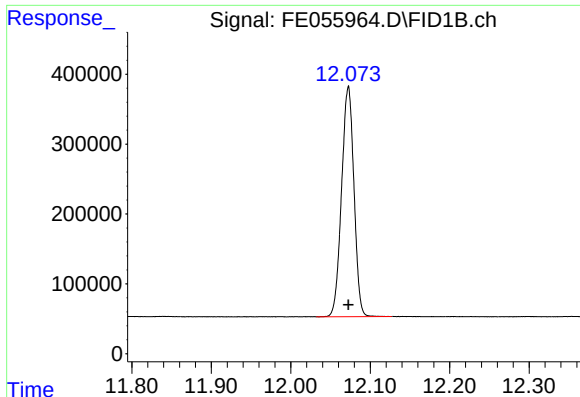
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

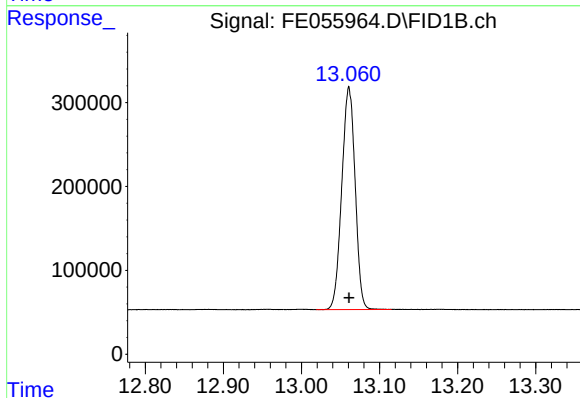
R.T.: 11.746 min
Delta R.T.: 0.000 min
Response: 3251555
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

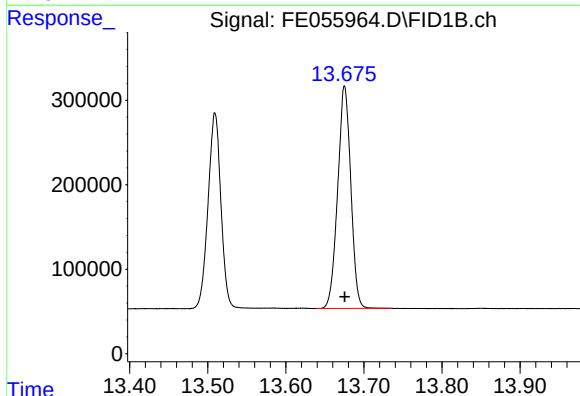
R.T.: 12.072 min
Delta R.T.: 0.000 min
Response: 3567994
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



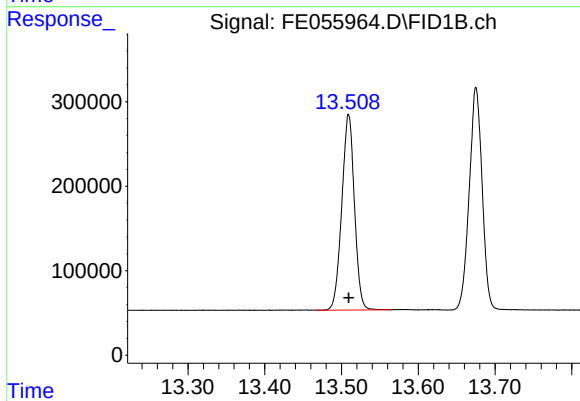
#10 n-Eicosane (C20)

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



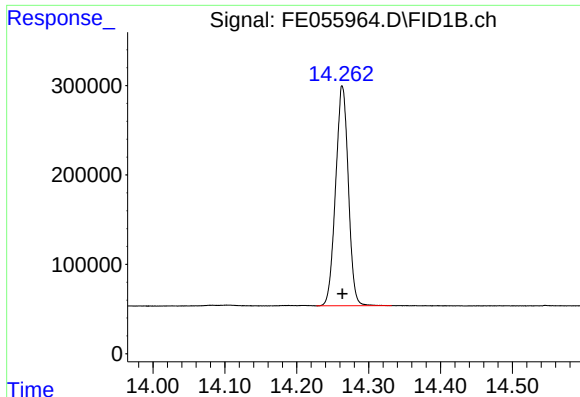
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

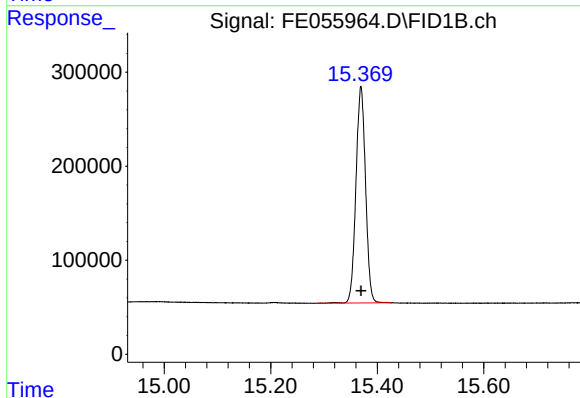
R.T.: 13.509 min
Delta R.T.: 0.000 min
Response: 2647245
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

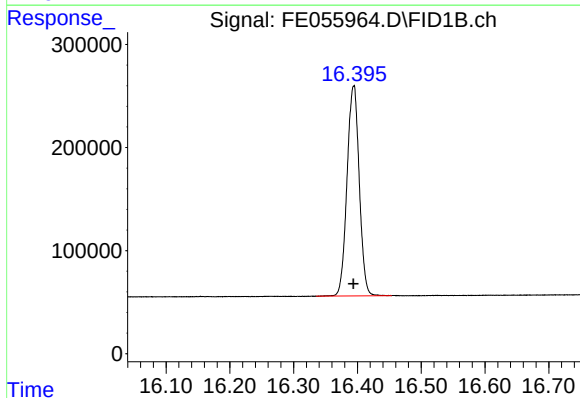
R.T.: 14.264 min
Delta R.T.: 0.000 min
Response: 3018934
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



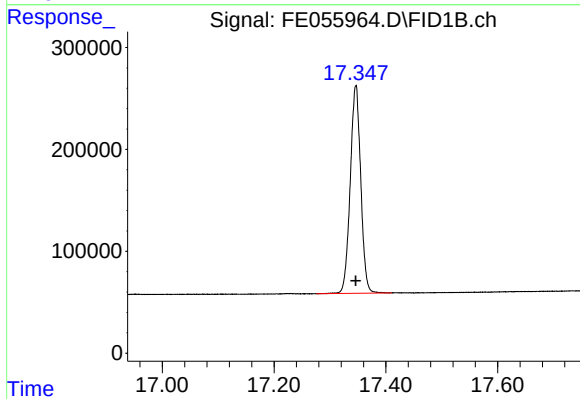
#14 n-Tetracosane (C24)

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



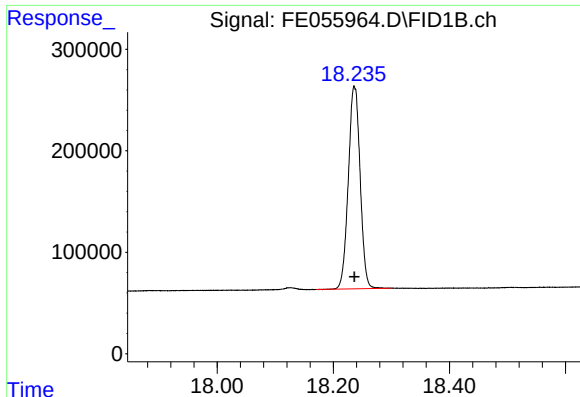
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

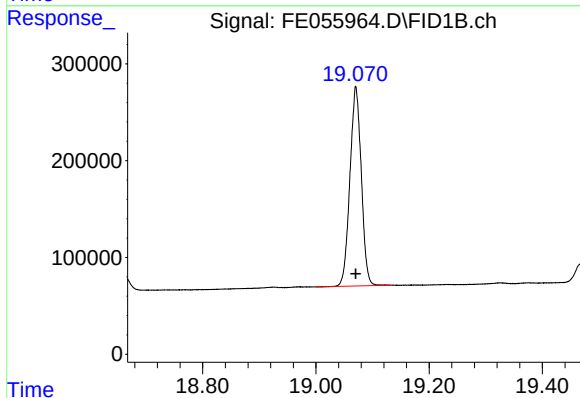
R.T.: 17.346 min
Delta R.T.: 0.000 min
Response: 2656180
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

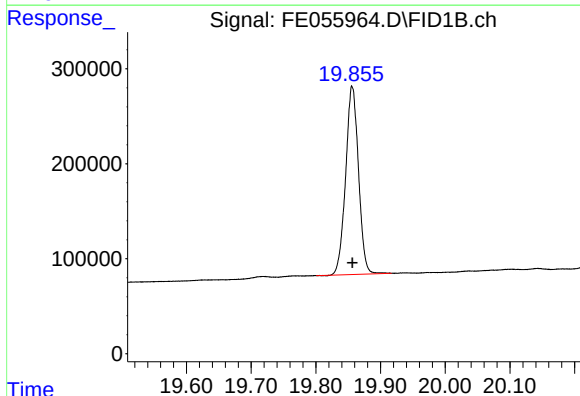
R.T.: 18.236 min
Delta R.T.: 0.000 min
Response: 2820975
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



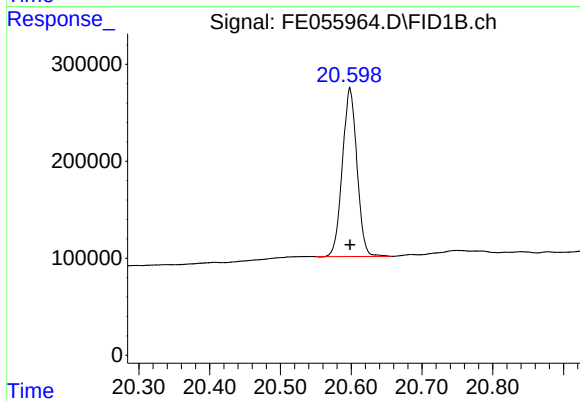
#18 n-Dotriacontane (C32)

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



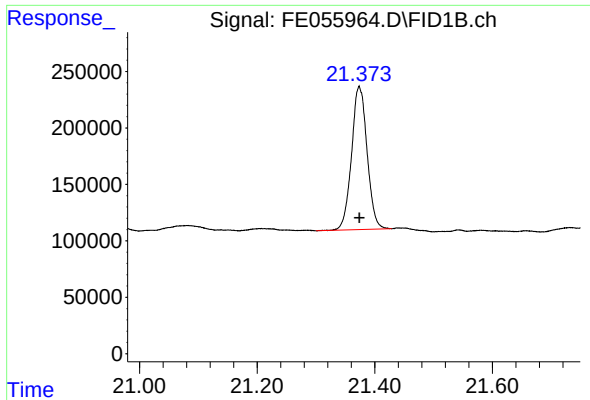
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

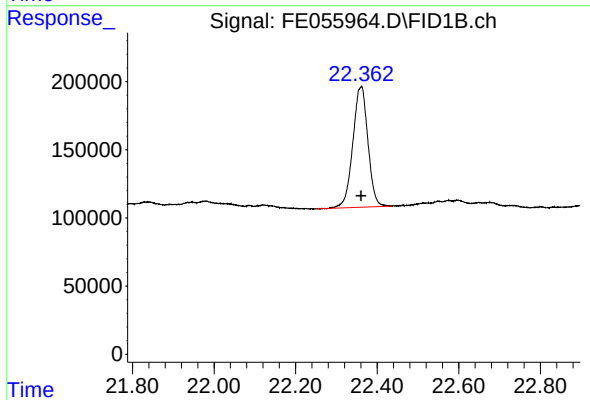
R.T.: 20.598 min
Delta R.T.: 0.000 min
Response: 2490383
Conc: 20.00 ug/ml



#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

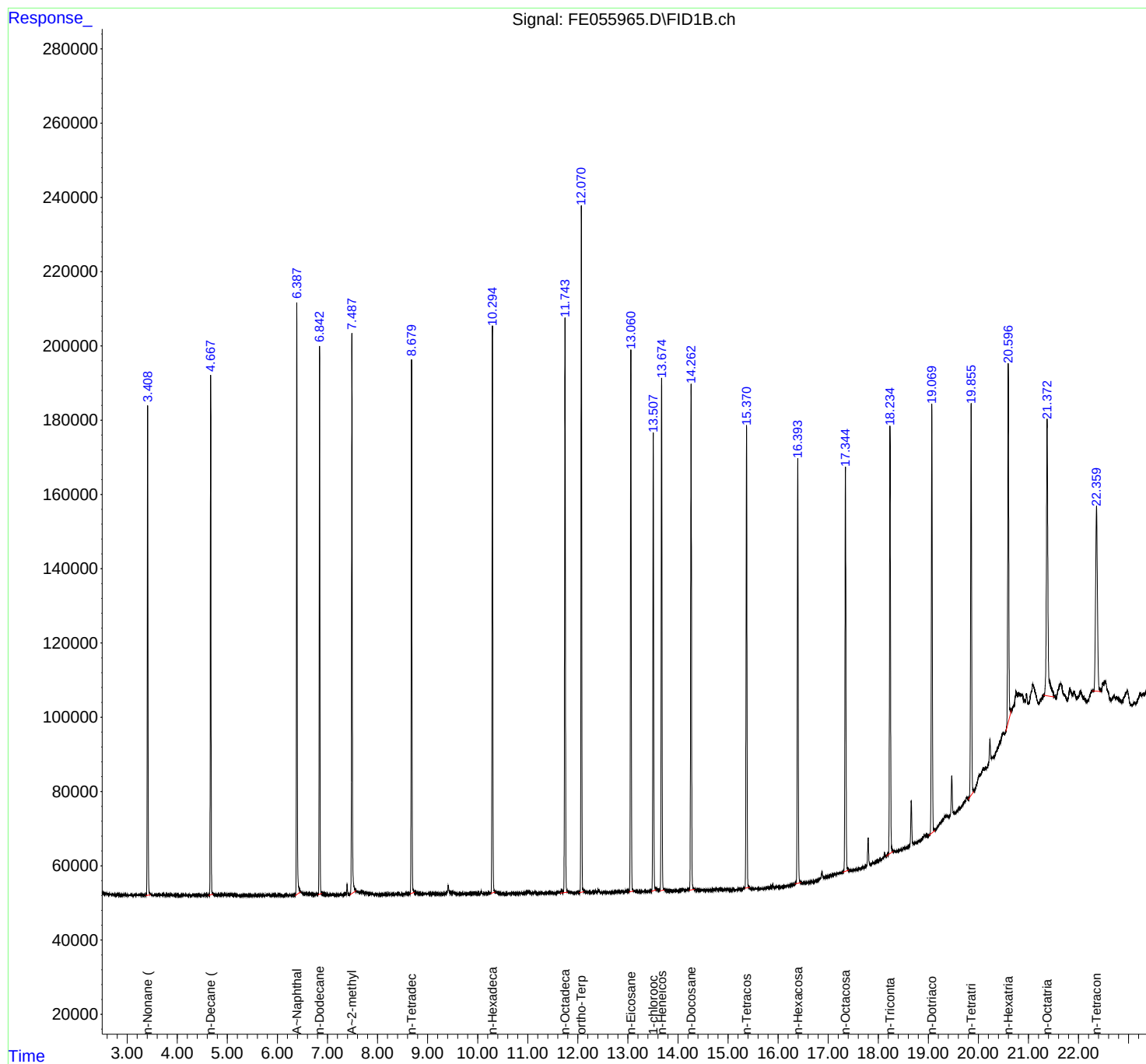
(m)=manual int.

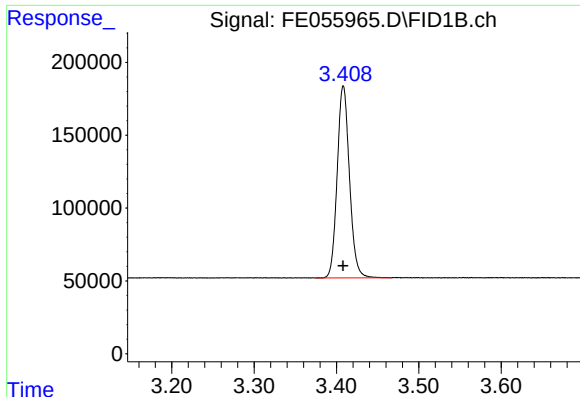
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055965.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 10:38
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

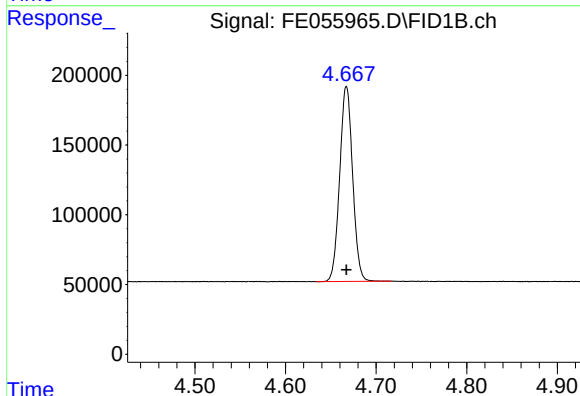




#1 n-Nonane (C9)

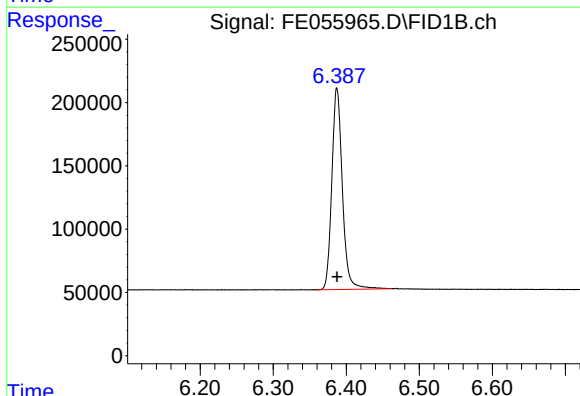
R.T.: 3.408 min
Delta R.T.: 0.000 min
Response: 1363863
Conc: 9.99 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



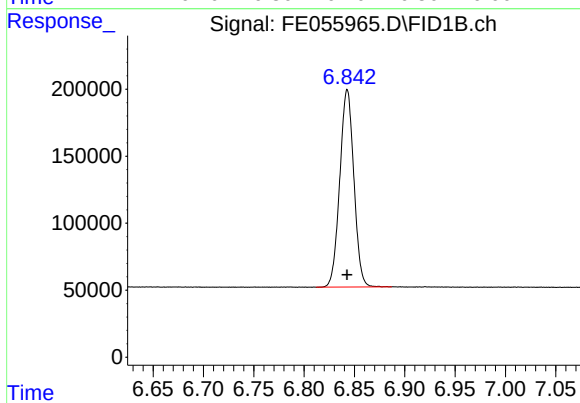
#2 n-Decane (C10)

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



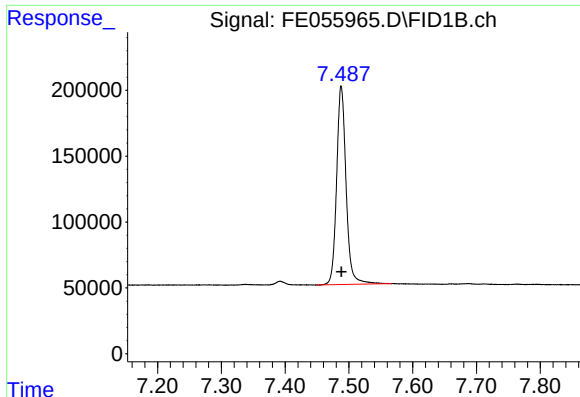
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

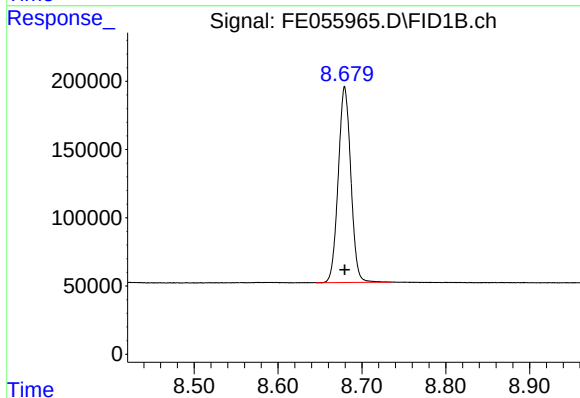
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1436113
Conc: 10.03 ug/ml



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

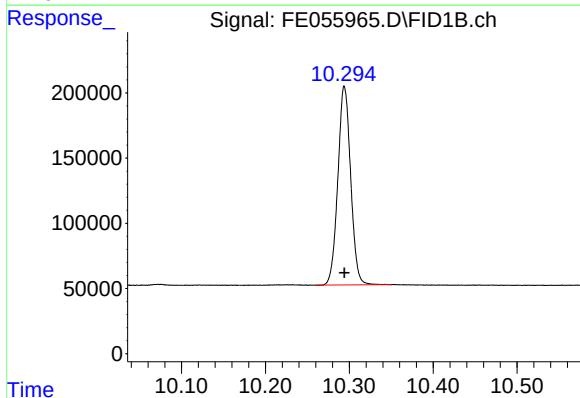
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 1559116
Conc: 10.00 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



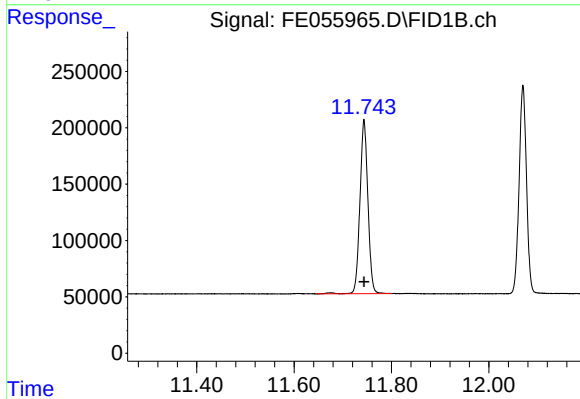
#6 n-Tetradecane (C14)

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



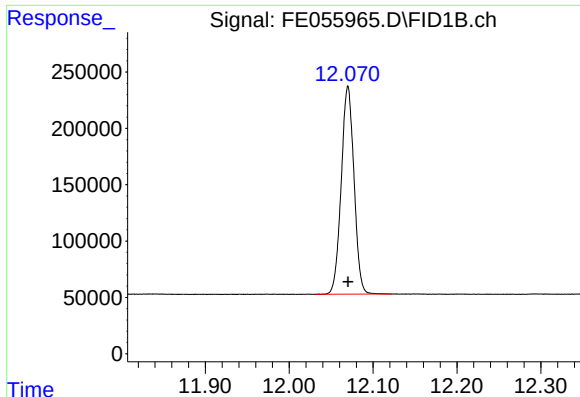
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

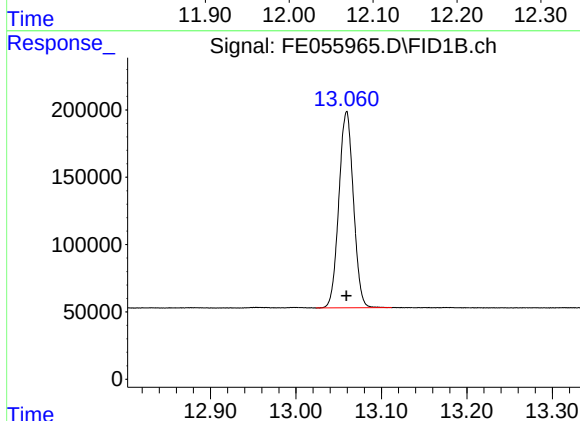
R.T.: 11.744 min
Delta R.T.: 0.000 min
Response: 1759004
Conc: 10.56 ug/ml



#9 ortho-Terphenyl (SURR)

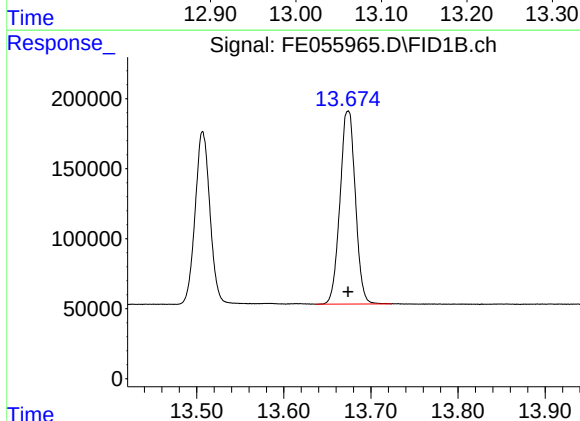
R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 1954951
Conc: 10.63 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



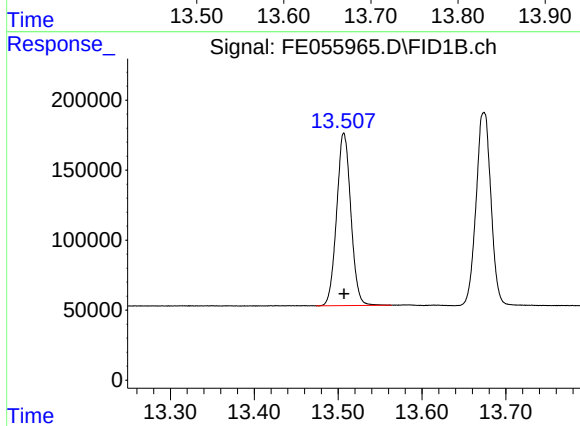
#10 n-Eicosane (C20)

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



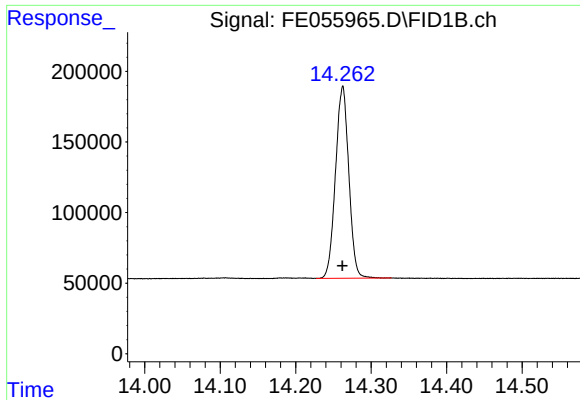
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

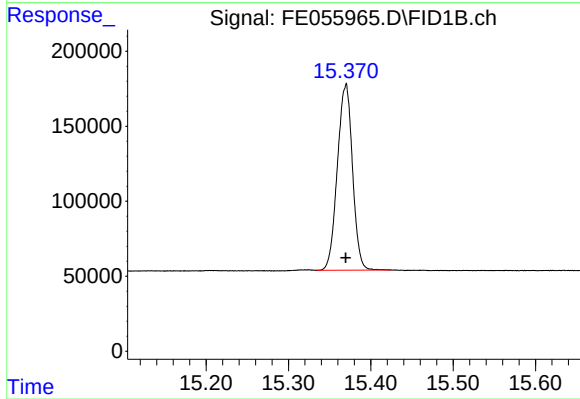
R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 1449608
Conc: 10.57 ug/ml



#13 n-Docosane (C22)

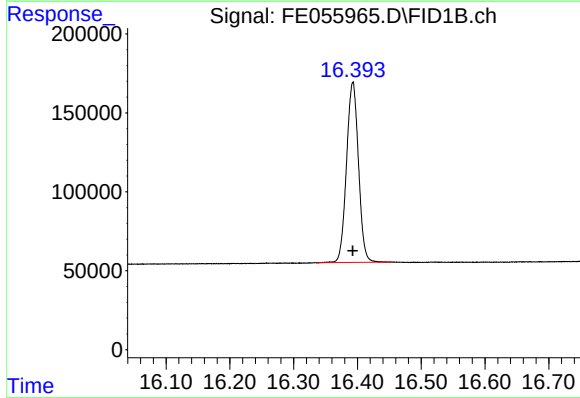
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 1664317
Conc: 10.67 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



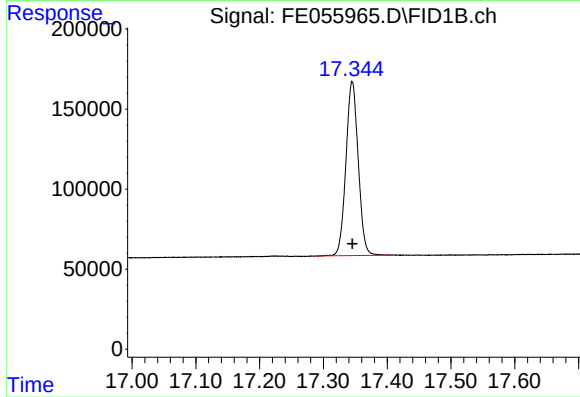
#14 n-Tetracosane (C24)

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



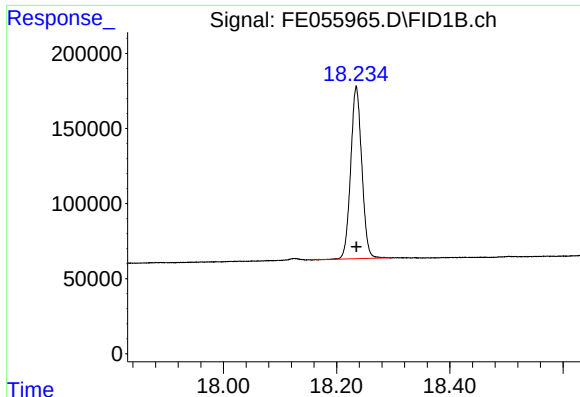
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

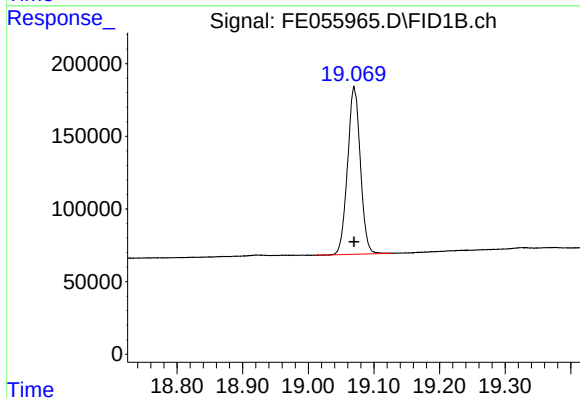
R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 1455613
Conc: 10.80 ug/ml



#17 n-Tricontane (C30)

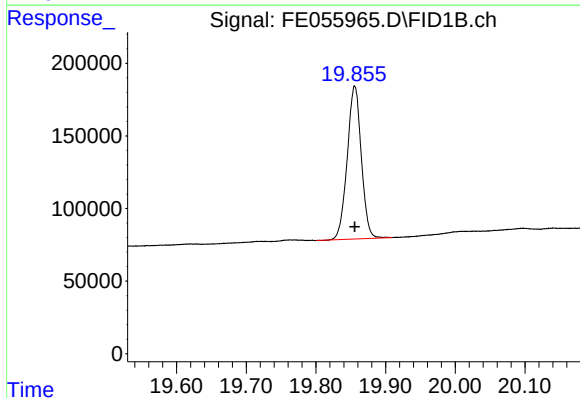
R.T.: 18.235 min
Delta R.T.: 0.000 min
Response: 1558692
Conc: 11.08 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



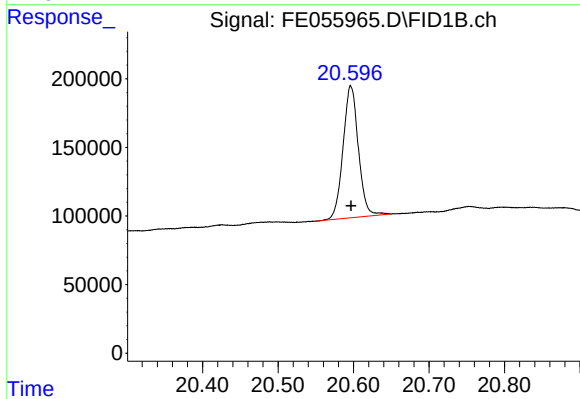
#18 n-Dotriacontane (C32)

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



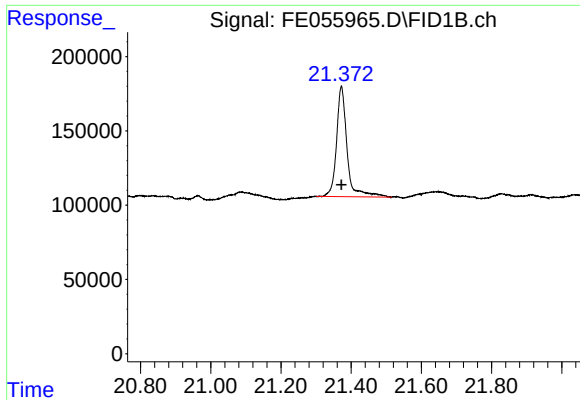
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

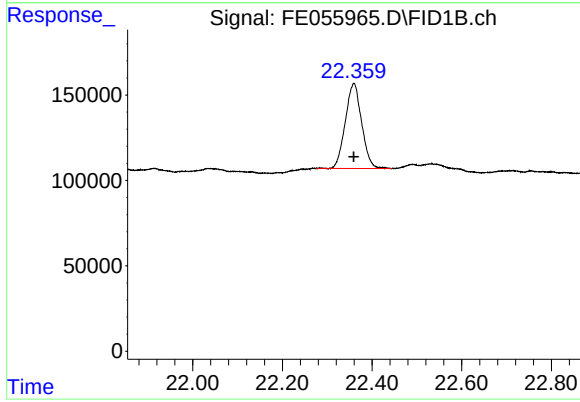
R.T.: 20.597 min
Delta R.T.: 0.000 min
Response: 1356484
Conc: 10.85 ug/ml



#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

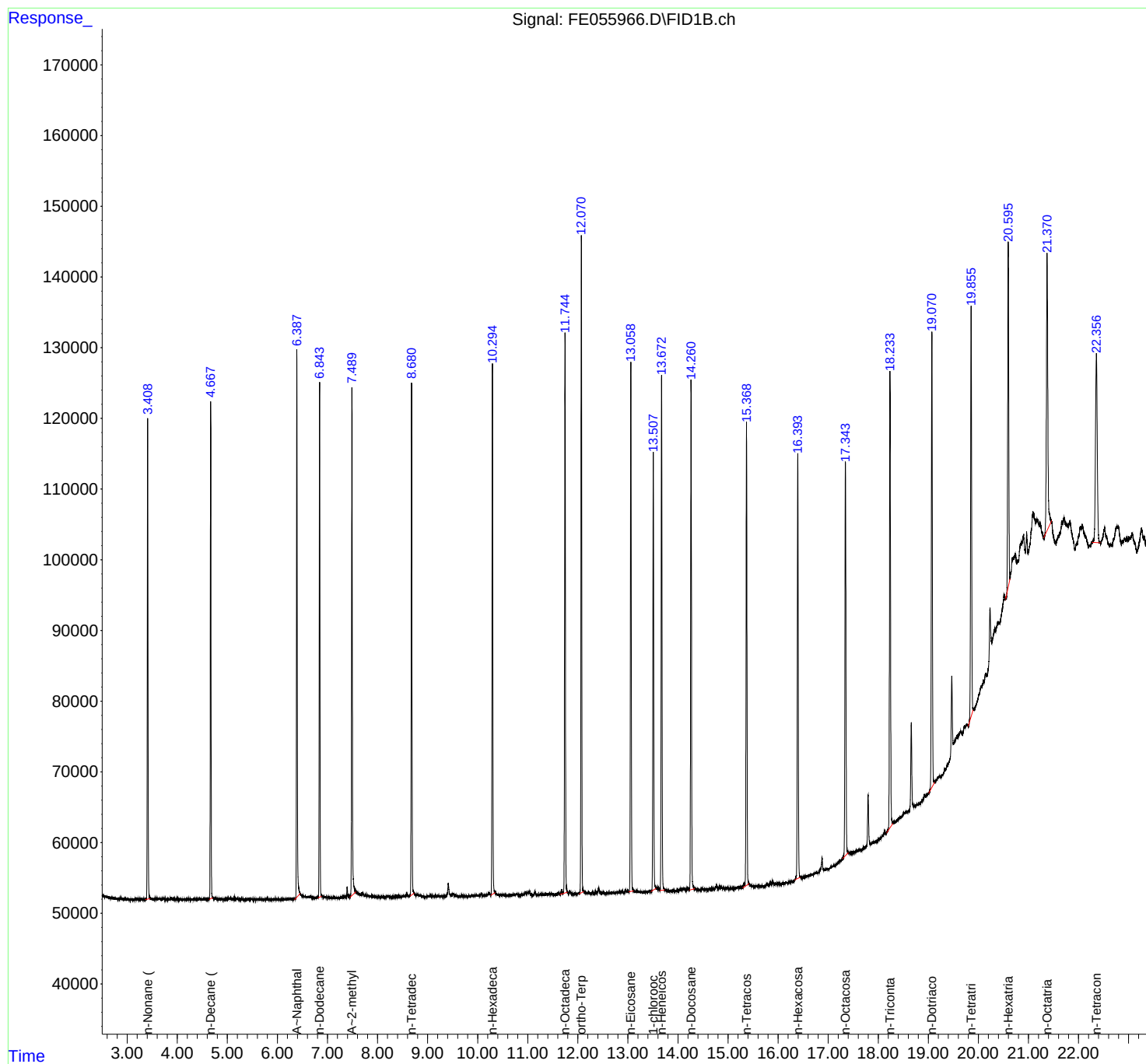
(m)=manual int.

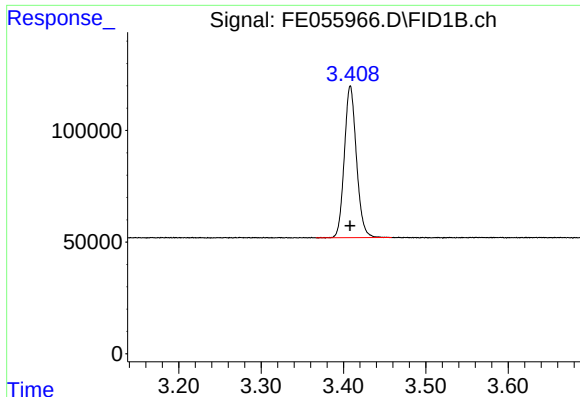
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055966.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 11:08
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

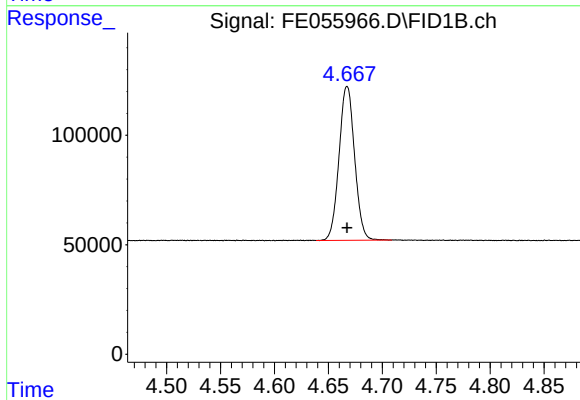




#1 n-Nonane (C9)

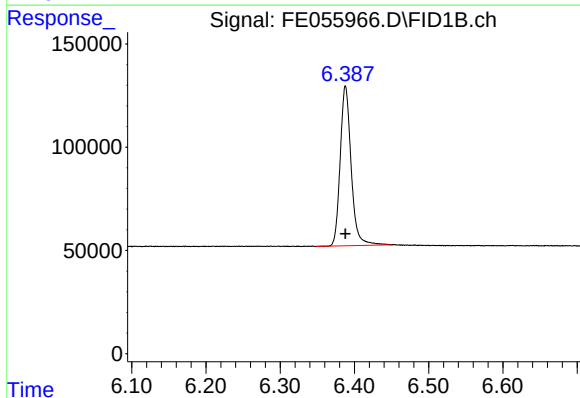
R.T.: 3.408 min
Delta R.T.: 0.000 min
Response: 693246
Conc: 5.06 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



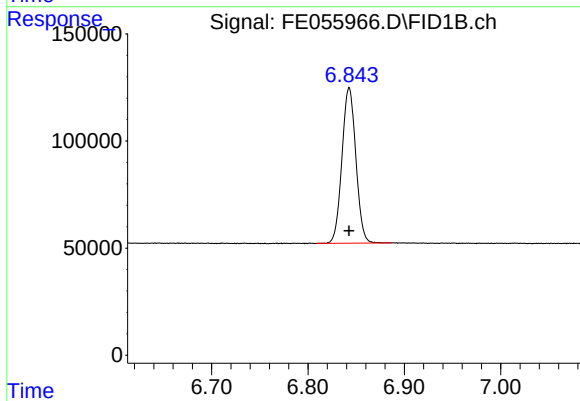
#2 n-Decane (C10)

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



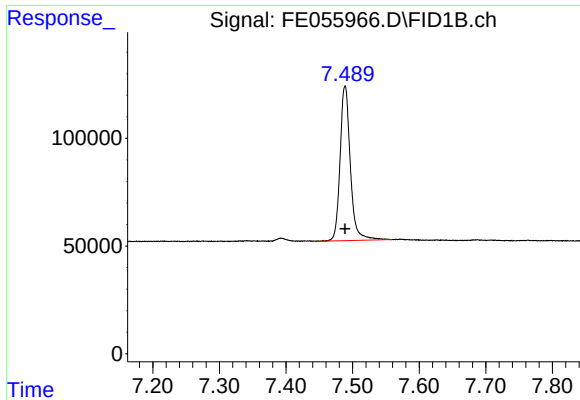
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

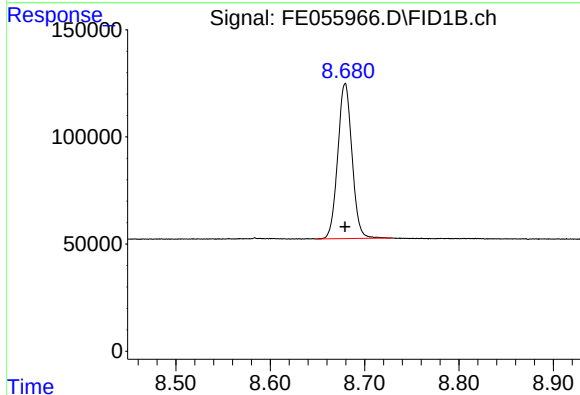
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 724977
Conc: 5.05 ug/ml



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

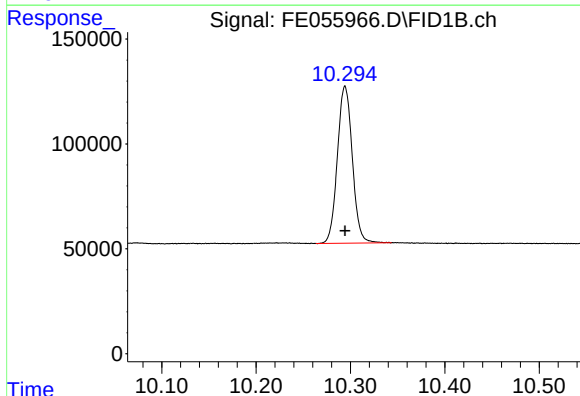
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 768994
Conc: 4.94 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



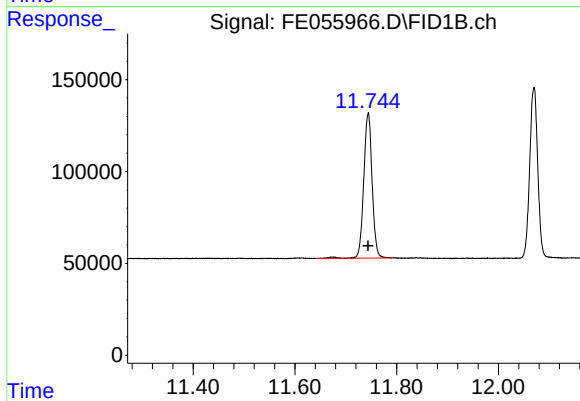
#6 n-Tetradecane (C14)

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



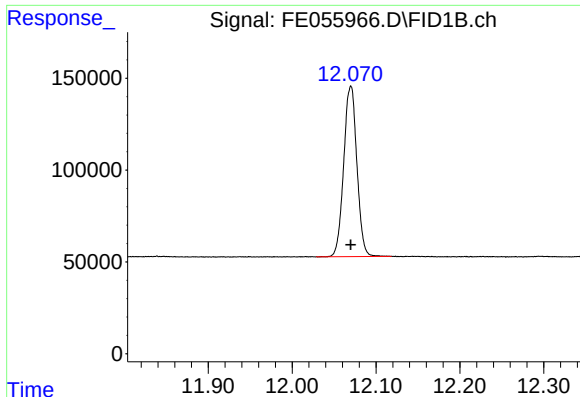
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

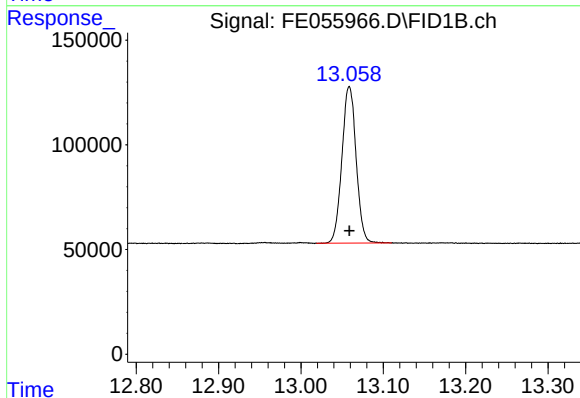
R.T.: 11.744 min
Delta R.T.: 0.000 min
Response: 903131
Conc: 5.33 ug/ml



#9 ortho-Terphenyl (SURR)

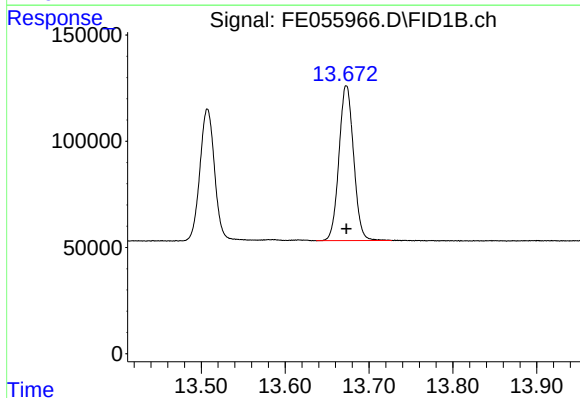
R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 1013713
Conc: 5.40 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



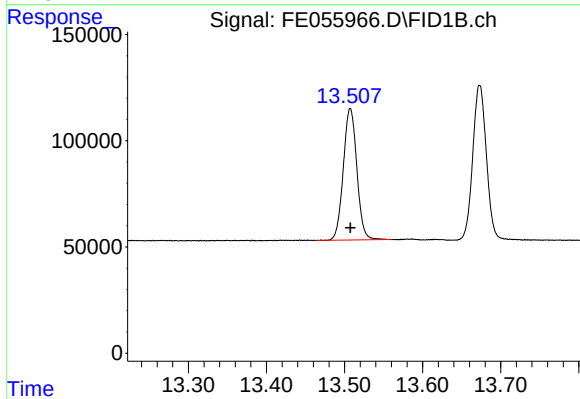
#10 n-Eicosane (C20)

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



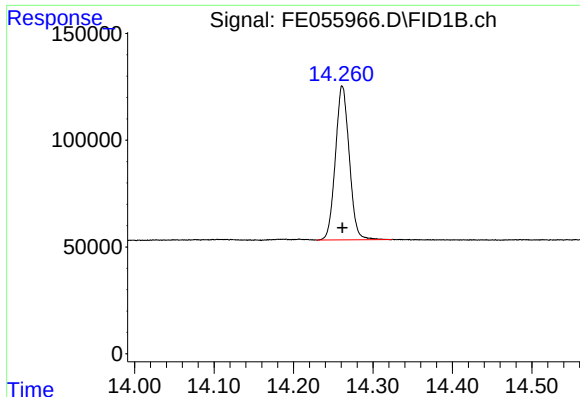
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

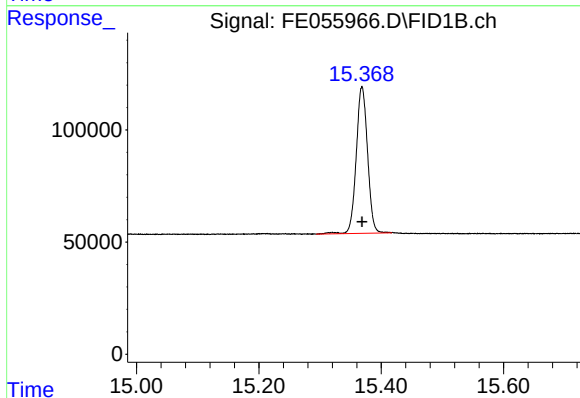
R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 745262
Conc: 5.34 ug/ml



#13 n-Docosane (C22)

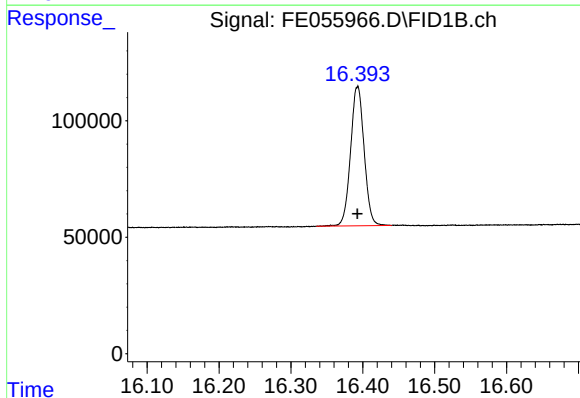
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 874093
Conc: 5.47 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



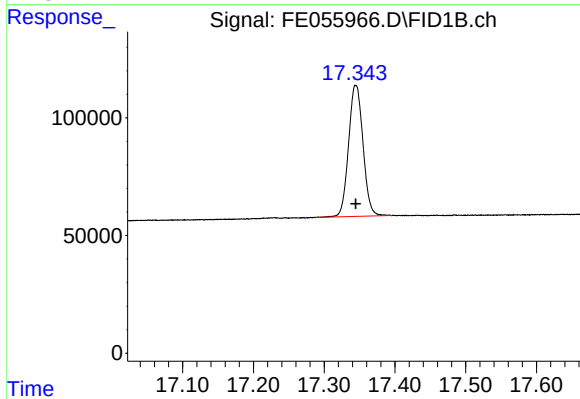
#14 n-Tetracosane (C24)

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



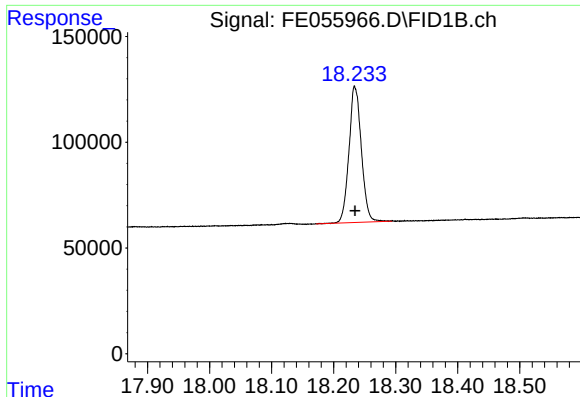
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

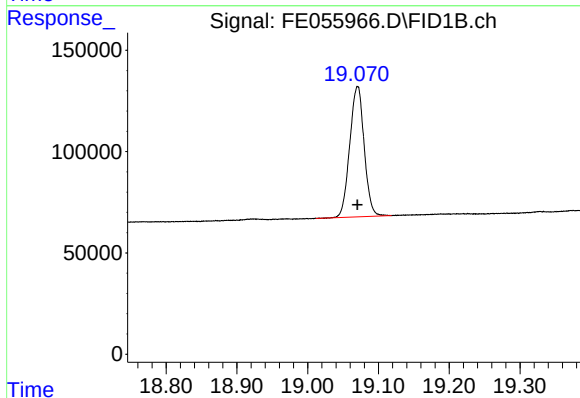
R.T.: 17.345 min
Delta R.T.: 0.000 min
Response: 788239
Conc: 5.66 ug/ml



#17 n-Tricontane (C30)

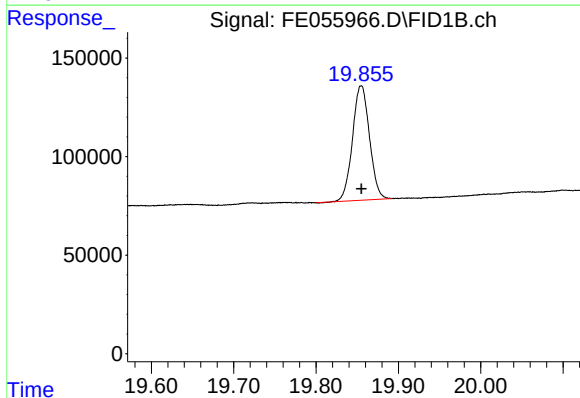
R.T.: 18.235 min
Delta R.T.: 0.000 min
Response: 889830
Conc: 6.01 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



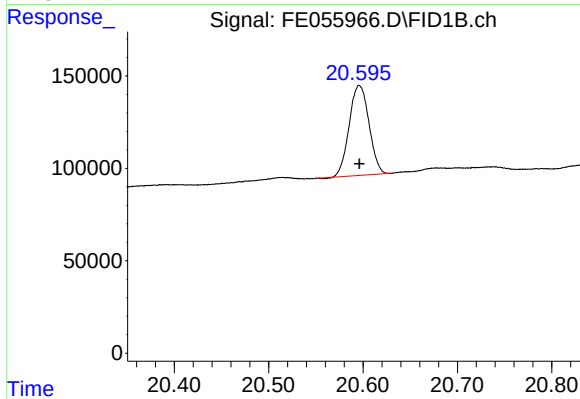
#18 n-Dotriacontane (C32)

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



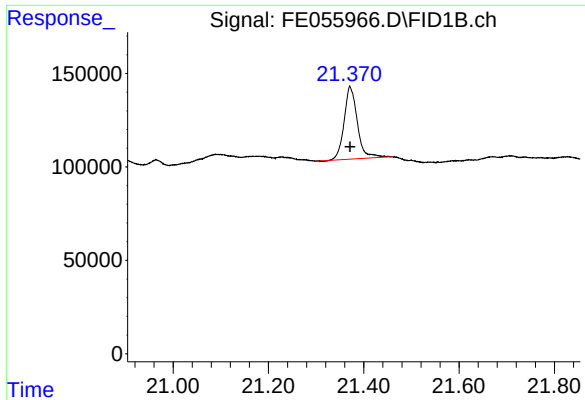
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

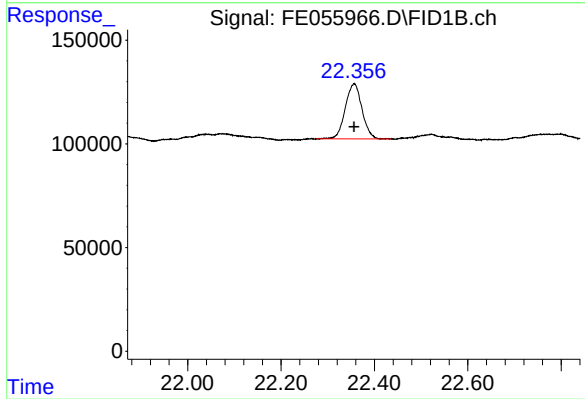
R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 709931
Conc: 5.53 ug/ml



#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

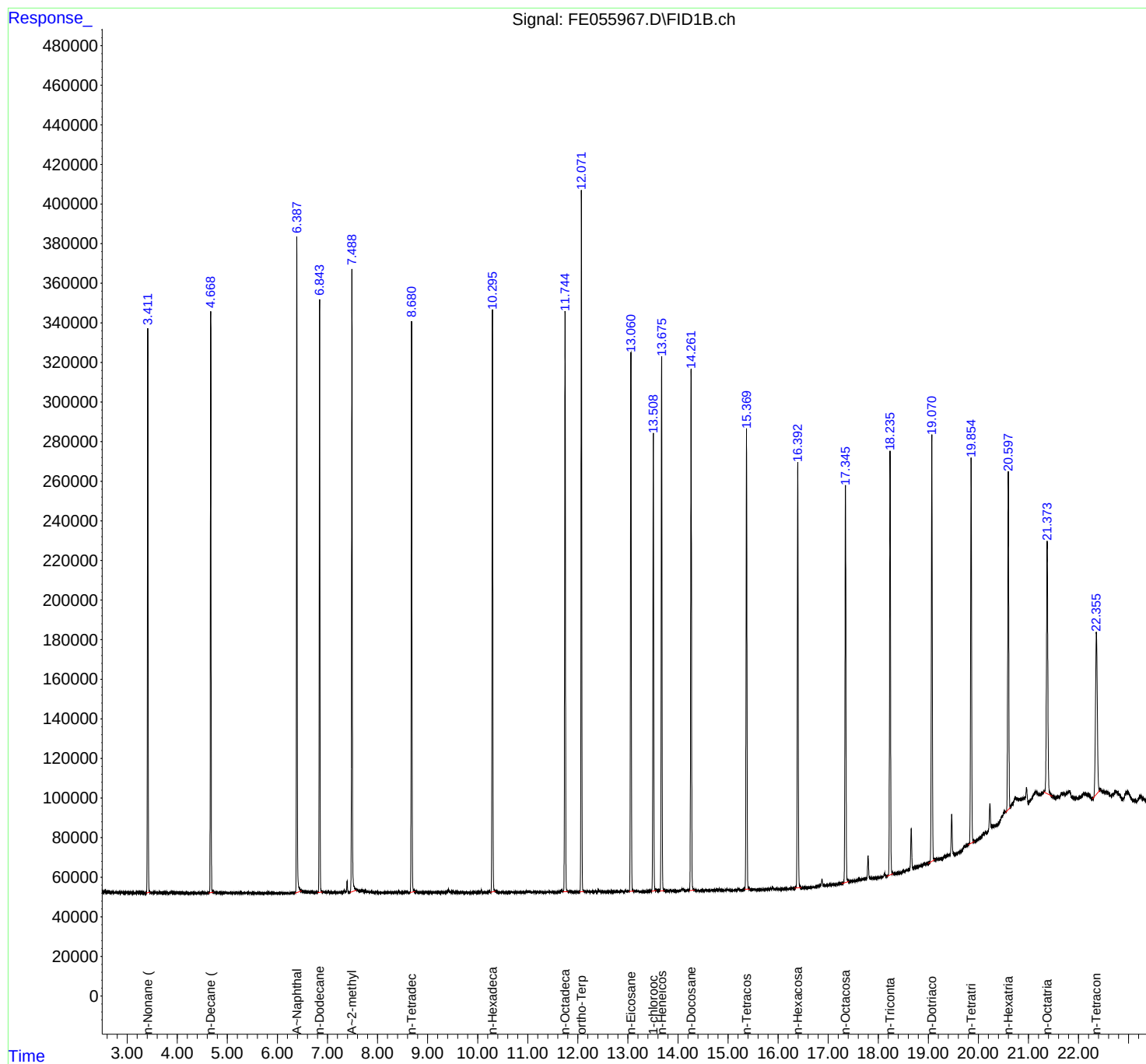
(m)=manual int.

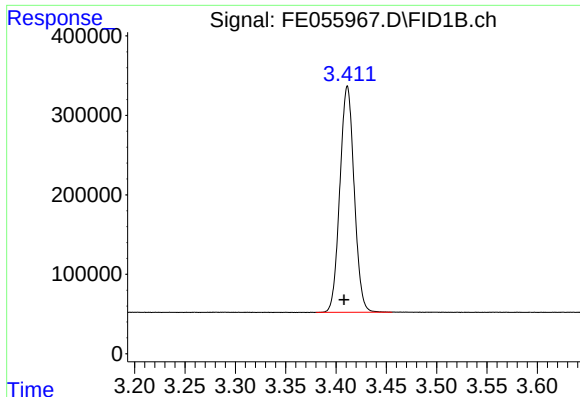
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092425AL\
Data File : FE055967.D
Signal(s) : FID1B.ch
Acq On : 24 Sep 2025 11:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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)

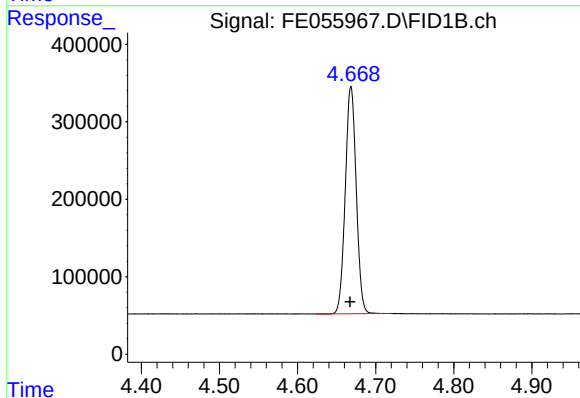
R.T.: 3.411 min
Delta R.T.: 0.003 min
Response: 2817872
Conc: 20.57 ug/ml

Instrument :

FID_E

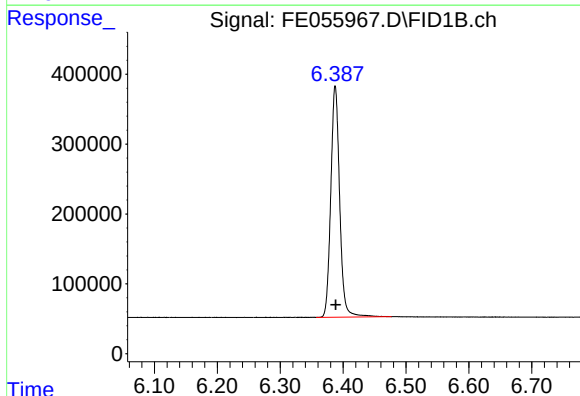
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



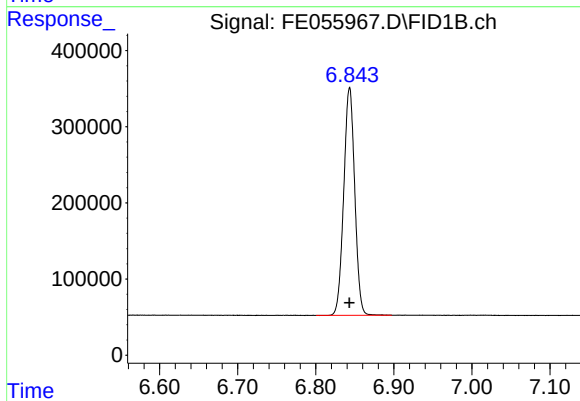
#2 n-Decane (C10)

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



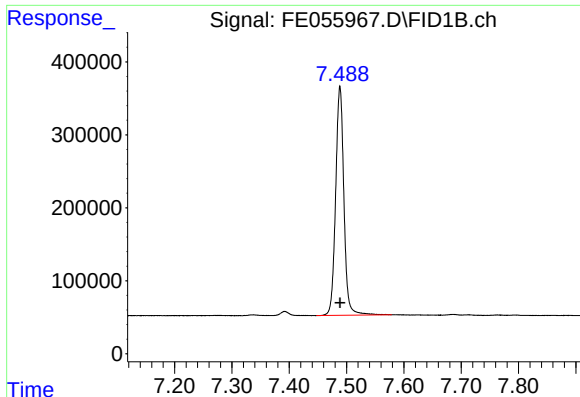
#3 A~Naphthalene (C11.7)

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)

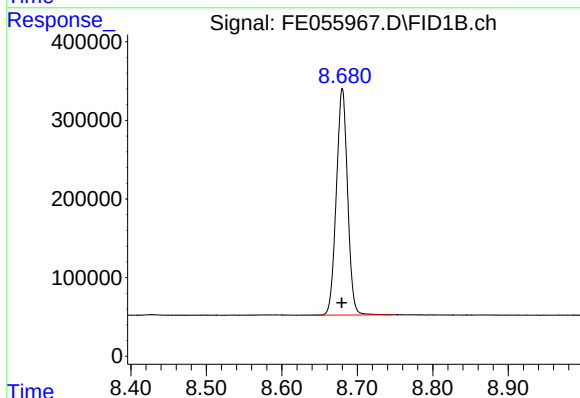
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 3143650
Conc: 20.21 ug/ml

Instrument :

FID_E

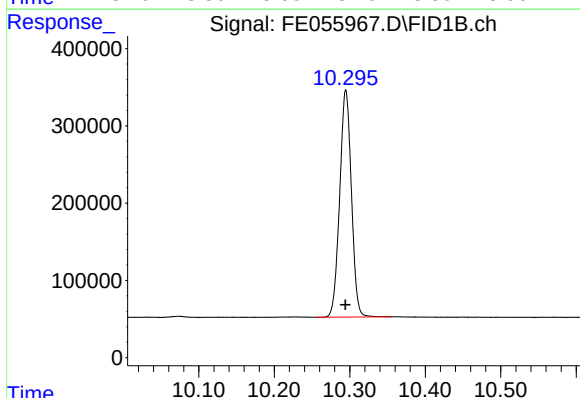
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



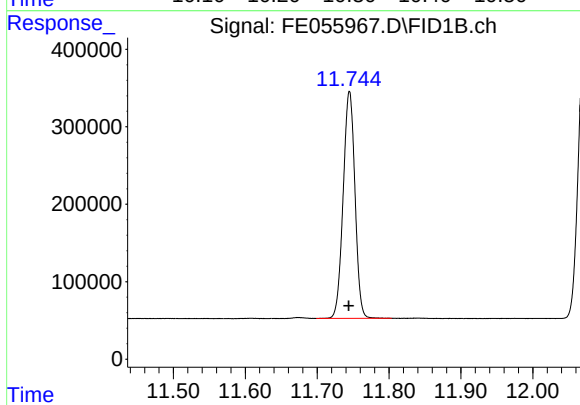
#6 n-Tetradecane (C14)

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



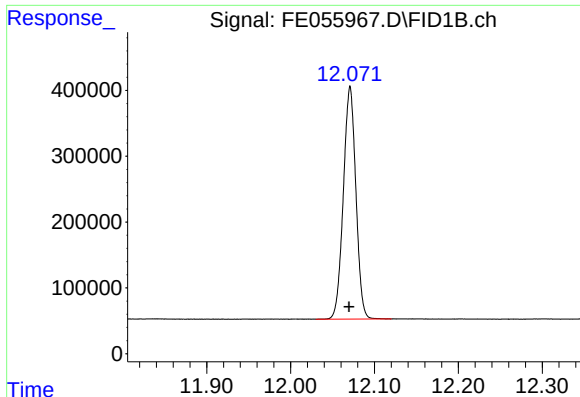
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

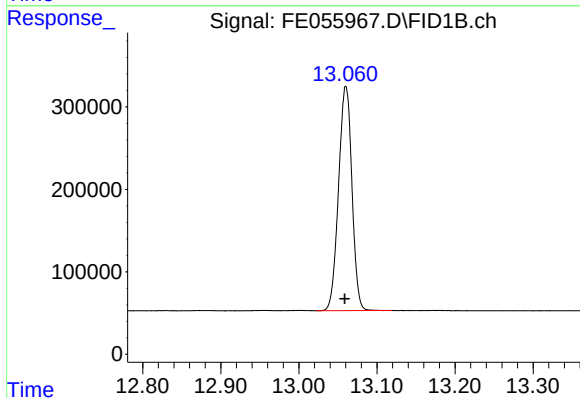
R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 3336057
Conc: 19.70 ug/ml



#9 ortho-Terphenyl (SURR)

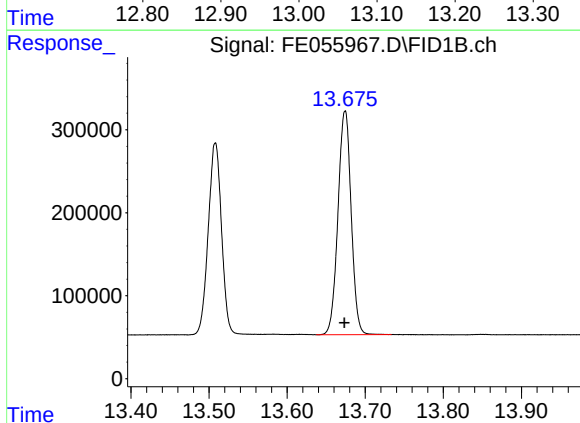
R.T.: 12.071 min
Delta R.T.: 0.001 min
Response: 3668282
Conc: 19.55 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



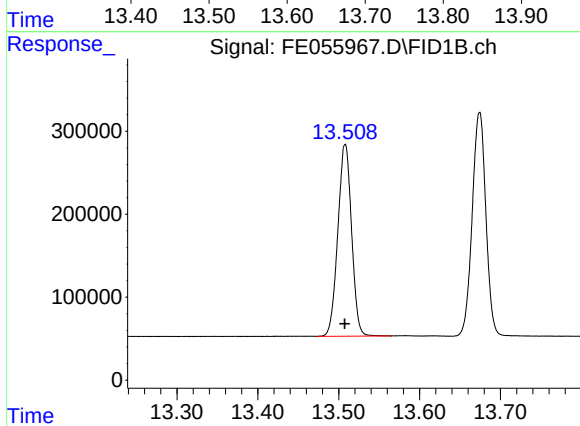
#10 n-Eicosane (C20)

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



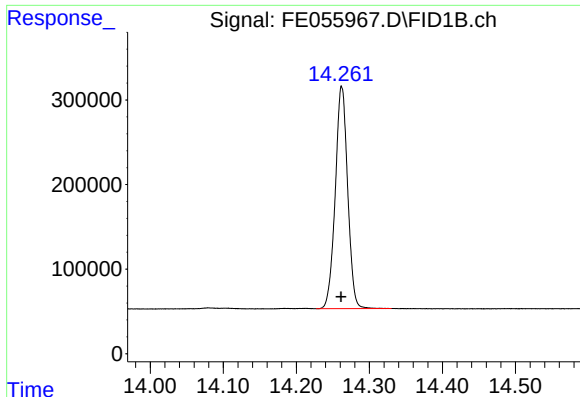
#11 n-Heneicosane (C21)

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)

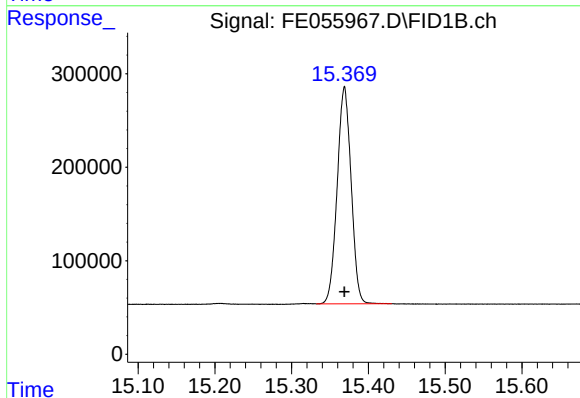
R.T.: 14.262 min
Delta R.T.: 0.000 min
Response: 3099587
Conc: 19.40 ug/ml

Instrument :

FID_E

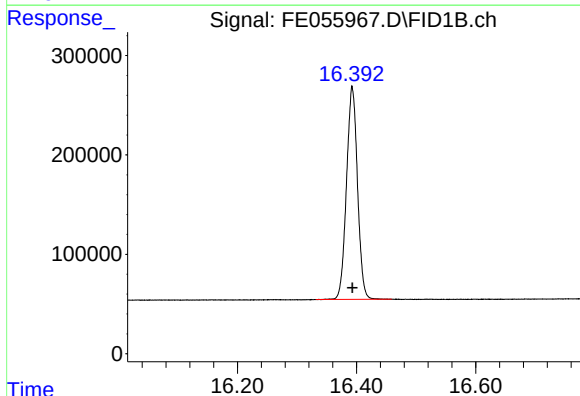
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



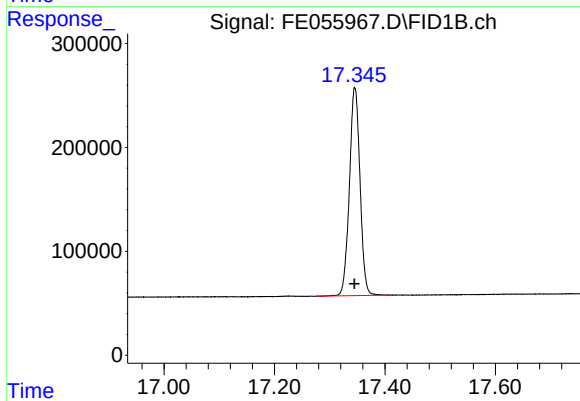
#14 n-Tetracosane (C24)

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



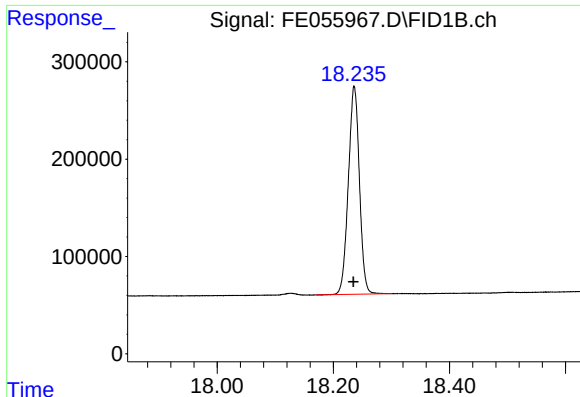
#15 n-Hexacosane (C26)

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)

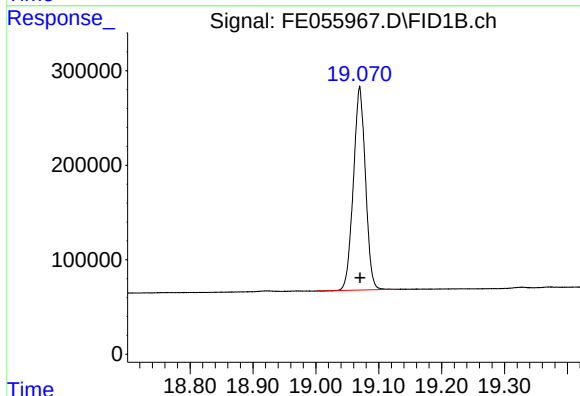
R.T.: 18.236 min
Delta R.T.: 0.002 min
Response: 2835374
Conc: 19.13 ug/ml

Instrument :

FID_E

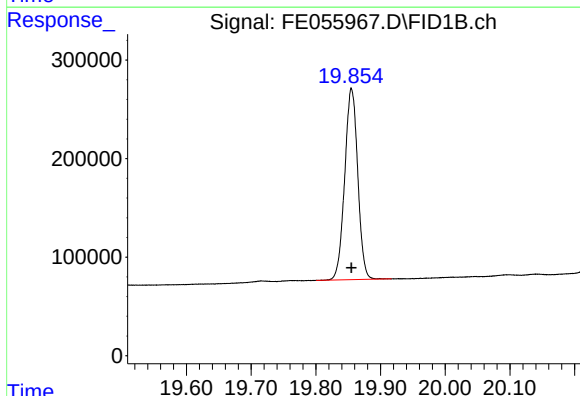
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



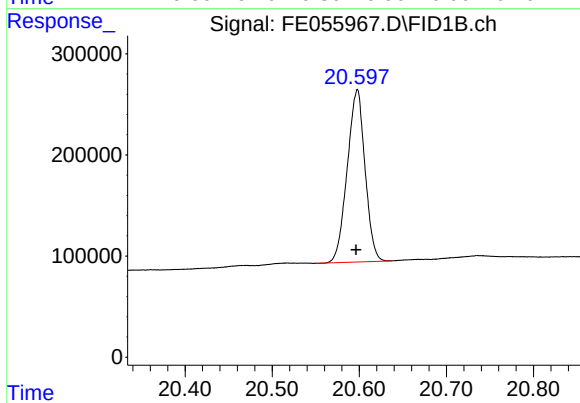
#18 n-Dotriacontane (C32)

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



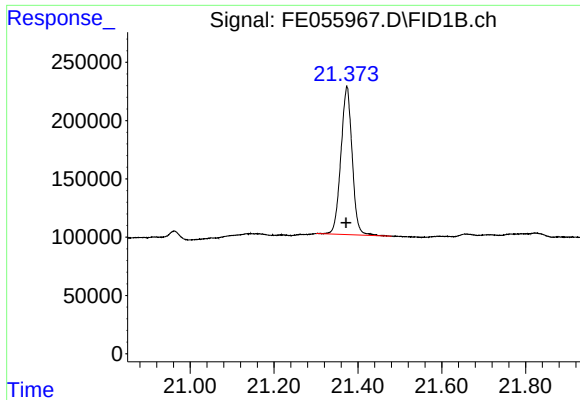
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

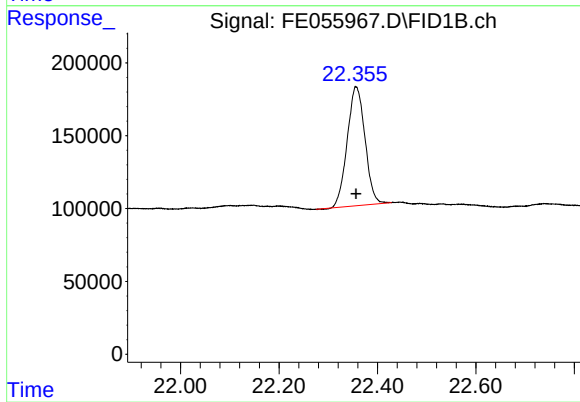
R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2416072
Conc: 18.82 ug/ml



#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

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

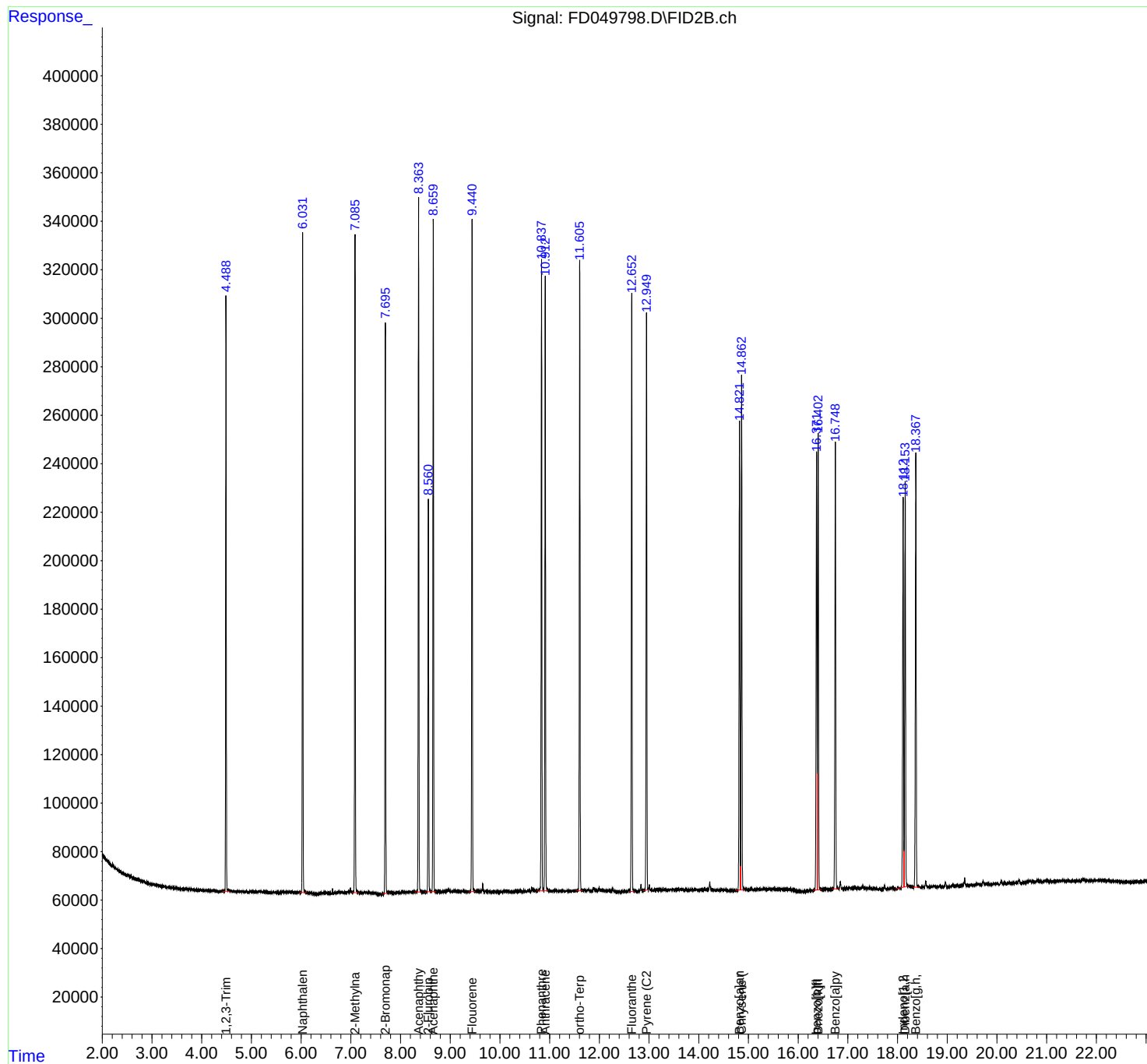
(m)=manual int.

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

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

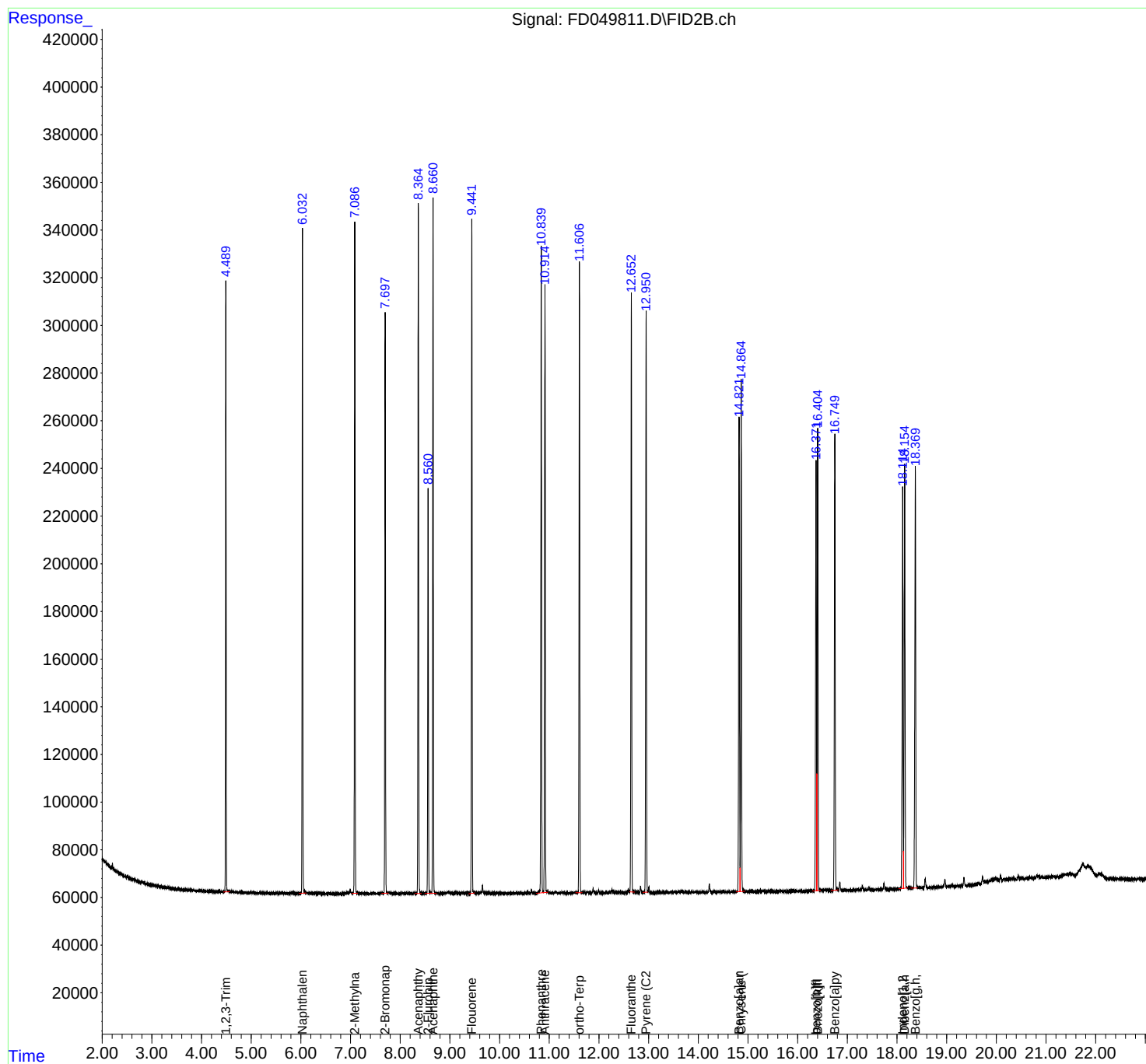
(m)=manual int.

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 : FD100325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049814.D

Aromatic C10-C12	5171373.000	40.000	4.432	6.134	129284.325	122789.439	-5.289
Aromatic C12-C16	9033436.000	60.000	6.135	8.763	150557.267	143358.701	-5.021
Aromatic C16-C21	11767249.000	80.000	8.764	13.053	147090.613	142171.561	-3.460
Aromatic C21-C36	23491530.000	180.000	13.054	18.473	130508.500	123821.788	-5.400
Aromatic EPH	49463588.000	360.000	4.432	18.473	137398.856	131040.962	-4.852

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	03 Oct 2025 10:19
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049814.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.432	6.134	5171373.000	40.000	ug/ml
Aromatic C12-C16	6.135	8.763	9033436.000	60.000	ug/ml
Aromatic C16-C21	8.764	13.053	11767249.000	80.000	ug/ml
Aromatic C21-C36	13.054	18.473	23491530.000	180.000	ug/ml
Aromatic EPH	4.432	18.473	49463588.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
 Data File : FD049814.D
 Signal(s) : FID2B.ch
 Acq On : 03 Oct 2025 10:19
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Oct 04 04:17:11 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...	7.699	2515942	21.175 ug/ml
Spiked Amount 50.000		Recovery =	42.35%
6) S 2-Fluorobiphenyl (SURR)	8.563	1792968	21.119 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.24%
11) S ortho-Terphenyl (SURR)	11.609	3139292	21.029 ug/ml
Spiked Amount 50.000		Recovery =	42.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.492	2389570	21.027 ug/ml
2) T Naphthalene (C11.7)	6.034	2781803	21.084 ug/ml
3) T 2-Methylnaphthalene (...)	7.088	2912538	21.050 ug/ml
5) T Acenaphthylene (C15.06)	8.367	3056804	20.922 ug/ml
7) T Acenaphthene (C15.5)	8.663	3064094	21.043 ug/ml
8) T Flouorene (C16.55)	9.444	3067168	21.003 ug/ml
9) T Phenanthrene (C19.36)	10.841	3069682	20.999 ug/ml
10) T Anthracene (C19.43)	10.916	2660462	19.578 ug/ml
12) T Fluoranthene (C21.85)	12.655	3001748	21.070 ug/ml
13) T Pyrene (C20.8)	12.953	2969937	21.127 ug/ml
14) T Benzo[a]anthracene (C...	14.824	2617264	20.810 ug/ml
15) T Chrysene (C27.41)	14.867	2700462	21.020 ug/ml
16) T benzo[b]fluoranthene ...	16.375	2622357	21.052 ug/ml
17) T Bnezo[k]fluoranthene ...	16.407	2473488	21.057 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.753	2515850	20.731 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.117	2333681	20.755 ug/ml
20) T Dibenz[a,h]anthracene...	18.158	2738700	22.401 ug/ml
21) T Benzo[g,h,i]perylene ...	18.373	2487980	20.802 ug/ml

(f)=RT Delta > 1/2 Window

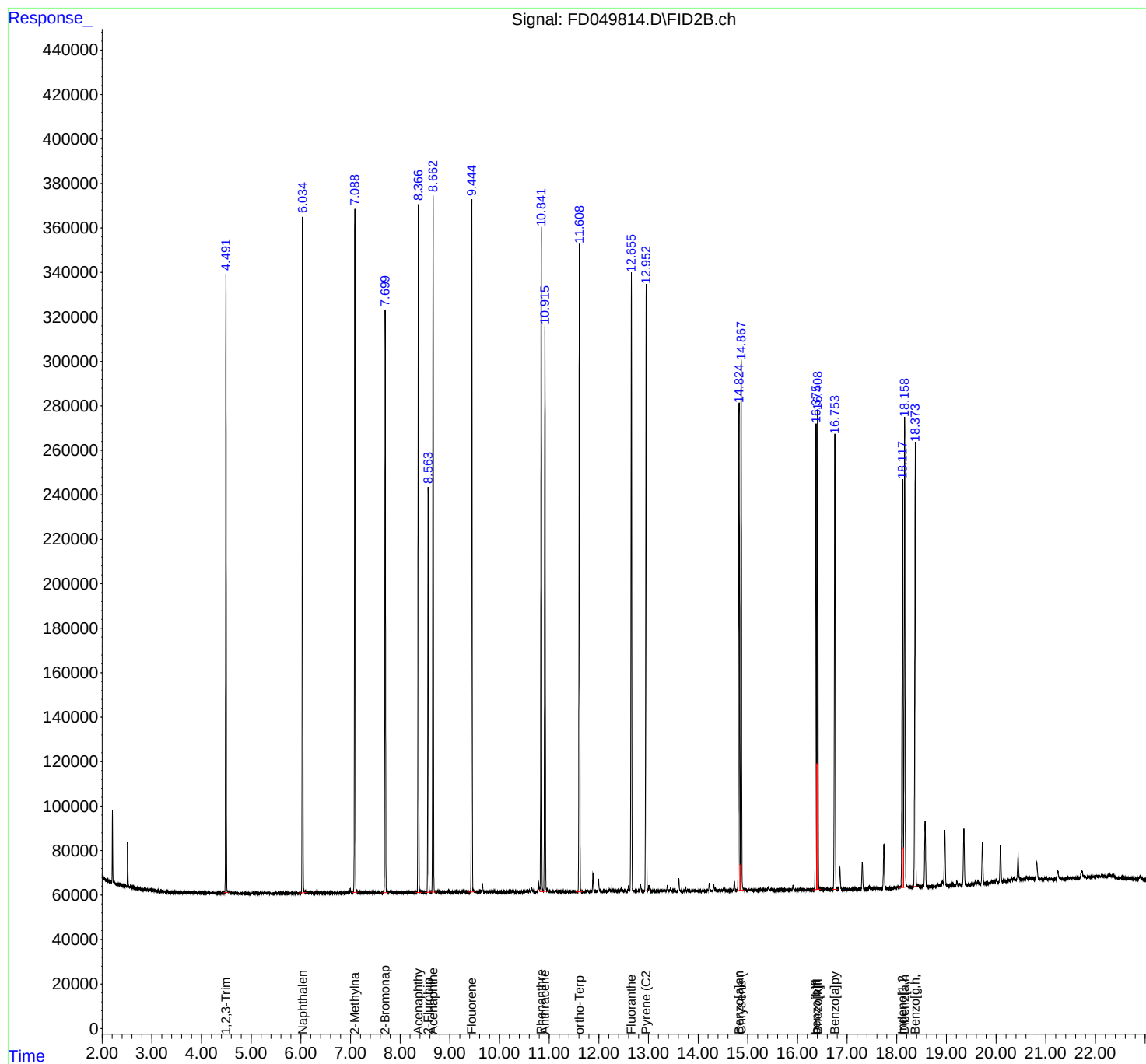
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
Data File : FD049814.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 10:19
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 04 04:17:11 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\FD100325AR\
Data File : FD049814.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 10:19
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 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	4.438	4.537	BV	277848	2389570	76.12%	4.199%
2	6.034	5.964	6.108	BB	303834	2781803	88.61%	4.888%
3	7.088	7.024	7.151	BB	305965	2912538	92.78%	5.118%
4	7.699	7.638	7.751	BB	259908	2515942	80.14%	4.421%
5	8.367	8.301	8.434	BB	309365	3056804	97.37%	5.371%
6	8.563	8.491	8.628	BB	182056	1792968	57.11%	3.150%
7	8.663	8.631	8.724	BB	309242	3064094	97.60%	5.384%
8	9.444	9.371	9.504	BB	311434	3067168	97.70%	5.389%
9	10.841	10.814	10.883	VV	298087	3069682	97.78%	5.394%
10	10.916	10.883	10.981	PB	254763	2660462	84.75%	4.675%
11	11.609	11.541	11.668	BB	291167	3139292	100.00%	5.516%
12	12.655	12.624	12.714	VB	277219	3001748	95.62%	5.274%
13	12.953	12.881	12.991	BV	271857	2969937	94.61%	5.218%
14	14.824	14.764	14.844	BV	219800	2617264	83.37%	4.599%
15	14.867	14.844	14.931	VB	240118	2700462	86.02%	4.745%
16	16.375	16.308	16.391	BV	208417	2622357	83.53%	4.608%
17	16.408	16.391	16.464	VB	215867	2473488	78.79%	4.346%
18	16.753	16.688	16.804	BB	206172	2515850	80.14%	4.421%
19	18.117	18.038	18.135	BV	184551	2333681	74.34%	4.101%
20	18.158	18.135	18.228	VB	210761	2738700	87.24%	4.812%
21	18.373	18.294	18.404	BV	197207	2487980	79.25%	4.372%
Sum of corrected areas:						56911790		

Aromatic EPH 100225.M Sat Oct 04 04:54:33 2025

Continuing Calibration Report for SequenceID : FD100325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049817.D

Aromatic C10-C12	4926316.000	40.000	4.432	6.134	123157.900	122789.439	-0.300
Aromatic C12-C16	8615482.000	60.000	6.135	8.763	143591.367	143358.701	-0.162
Aromatic C16-C21	11354359.000	80.000	8.764	13.053	141929.488	142171.561	0.170
Aromatic C21-C36	22775904.000	180.000	13.054	18.473	126532.800	123821.788	-2.189
Aromatic EPH	47672061.000	360.000	4.432	18.473	132422.392	131040.962	-1.054

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	03 Oct 2025 14:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049817.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.432	6.134	4926316.000	40.000	ug/ml
Aromatic C12-C16	6.135	8.763	8615482.000	60.000	ug/ml
Aromatic C16-C21	8.764	13.053	11354359.000	80.000	ug/ml
Aromatic C21-C36	13.054	18.473	22775904.000	180.000	ug/ml
Aromatic EPH	4.432	18.473	47672061.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
 Data File : FD049817.D
 Signal(s) : FID2B.ch
 Acq On : 03 Oct 2025 14:08
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Oct 04 04:18:19 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...	7.699	2387540	20.095 ug/ml
Spiked Amount 50.000		Recovery =	40.19%
6) S 2-Fluorobiphenyl (SURR)	8.563	1714377	20.193 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.39%
11) S ortho-Terphenyl (SURR)	11.609	3012546	20.180 ug/ml
Spiked Amount 50.000		Recovery =	40.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.492	2275517	20.023 ug/ml
2) T Naphthalene (C11.7)	6.034	2650799	20.092 ug/ml
3) T 2-Methylnaphthalene (...)	7.088	2771358	20.030 ug/ml
5) T Acenaphthylene (C15.06)	8.366	2916671	19.963 ug/ml
7) T Acenaphthene (C15.5)	8.663	2927453	20.105 ug/ml
8) T Flouorene (C16.55)	9.444	2952881	20.220 ug/ml
9) T Phenanthrene (C19.36)	10.841	2964366	20.279 ug/ml
10) T Anthracene (C19.43)	10.916	2577328	18.966 ug/ml
12) T Fluoranthene (C21.85)	12.655	2896039	20.328 ug/ml
13) T Pyrene (C20.8)	12.953	2859784	20.343 ug/ml
14) T Benzo[a]anthracene (C...	14.824	2526527	20.089 ug/ml
15) T Chrysene (C27.41)	14.867	2602545	20.258 ug/ml
16) T benzo[b]fluoranthene ...	16.375	2522708	20.252 ug/ml
17) T Bnezo[k]fluoranthene ...	16.407	2380955	20.269 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.753	2423492	19.970 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.117	2275540	20.238 ug/ml
20) T Dibenz[a,h]anthracene...	18.158	2740591	22.416 ug/ml
21) T Benzo[g,h,i]perylene ...	18.373	2407507	20.129 ug/ml

(f)=RT Delta > 1/2 Window

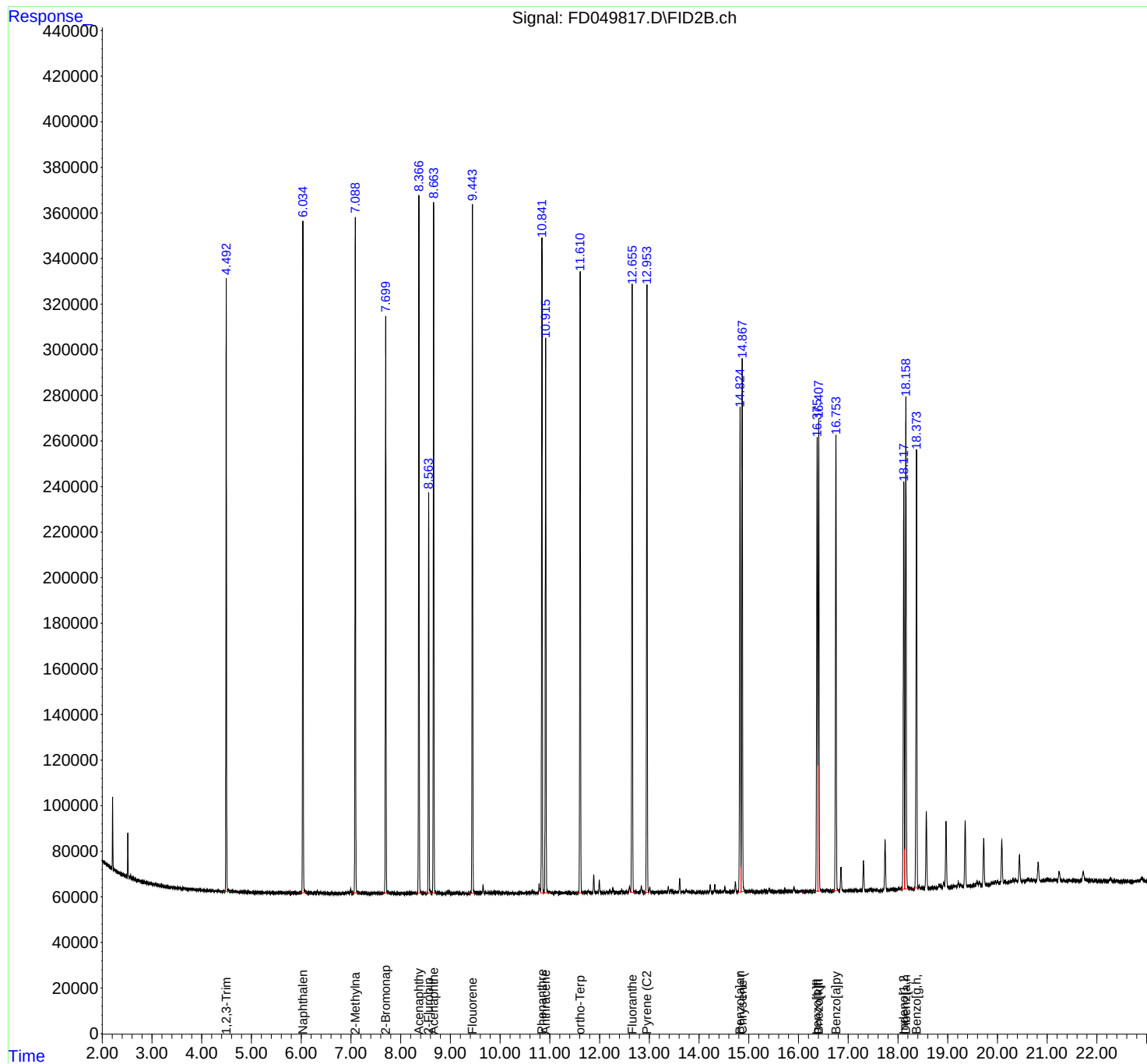
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
Data File : FD049817.D
Signal(s) : FID2B.ch
Acq On : 03 Oct 2025 14:08
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 04 04:18:19 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\FD100325AR\
 Data File : FD049817.D
 Signal(s) : FID2B.ch
 Acq On : 03 Oct 2025 14:08
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 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	4.431	4.564	BB	265301	2275517	75.53%	4.153%
2	6.034	5.968	6.108	BB	293573	2650799	87.99%	4.838%
3	7.088	7.024	7.151	BB	293940	2771358	91.99%	5.058%
4	7.699	7.634	7.758	BB	250015	2387540	79.25%	4.358%
5	8.366	8.298	8.444	BB	304477	2916671	96.82%	5.324%
6	8.563	8.494	8.631	BB	175679	1714377	56.91%	3.129%
7	8.663	8.631	8.714	BB	304001	2927453	97.18%	5.343%
8	9.444	9.361	9.498	BB	301622	2952881	98.02%	5.390%
9	10.841	10.814	10.884	VV	287677	2964366	98.40%	5.411%
10	10.916	10.884	11.008	VB	242007	2577328	85.55%	4.704%
11	11.609	11.538	11.678	BB	275159	3012546	100.00%	5.499%
12	12.655	12.622	12.704	VB	265721	2896039	96.13%	5.286%
13	12.953	12.881	12.987	BV	267183	2859784	94.93%	5.220%
14	14.824	14.771	14.844	BV	212445	2526527	83.87%	4.612%
15	14.867	14.844	14.919	VB	234100	2602545	86.39%	4.750%
16	16.375	16.288	16.390	BV	198285	2522708	83.74%	4.605%
17	16.407	16.390	16.458	VB	207532	2380955	79.03%	4.346%
18	16.753	16.664	16.821	BB	201444	2423492	80.45%	4.424%
19	18.117	18.048	18.135	BV	179616	2275540	75.54%	4.153%
20	18.158	18.135	18.224	VB	214279	2740591	90.97%	5.002%
21	18.373	18.288	18.404	BV	192232	2407507	79.92%	4.394%
Sum of corrected areas:							54786523	

Aromatic EPH 100225.M Sat Oct 04 04:55:37 2025

Continuing Calibration Report for SequenceID : FE100225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

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

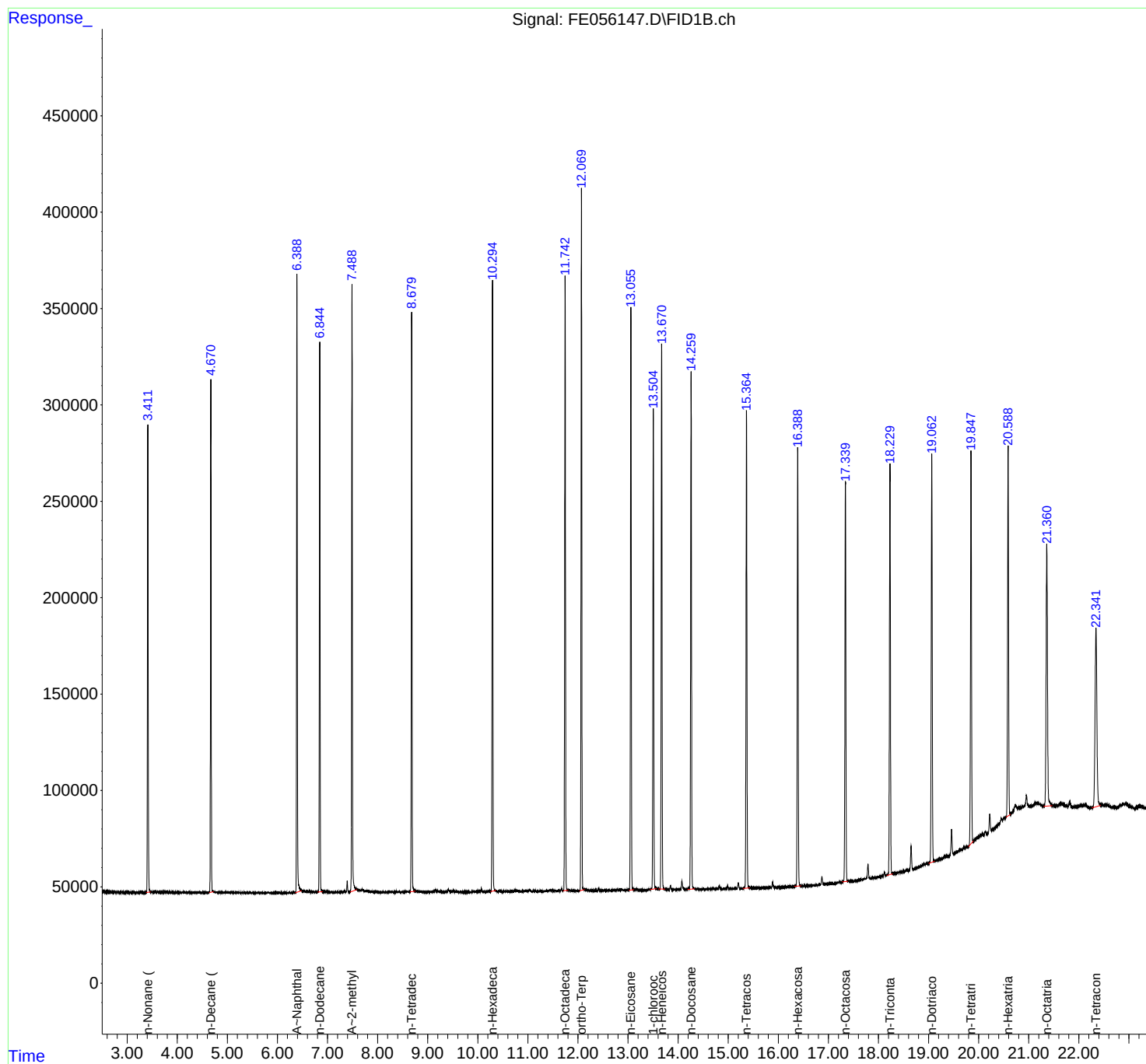
(m)=manual int.

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:	YP\AJ
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

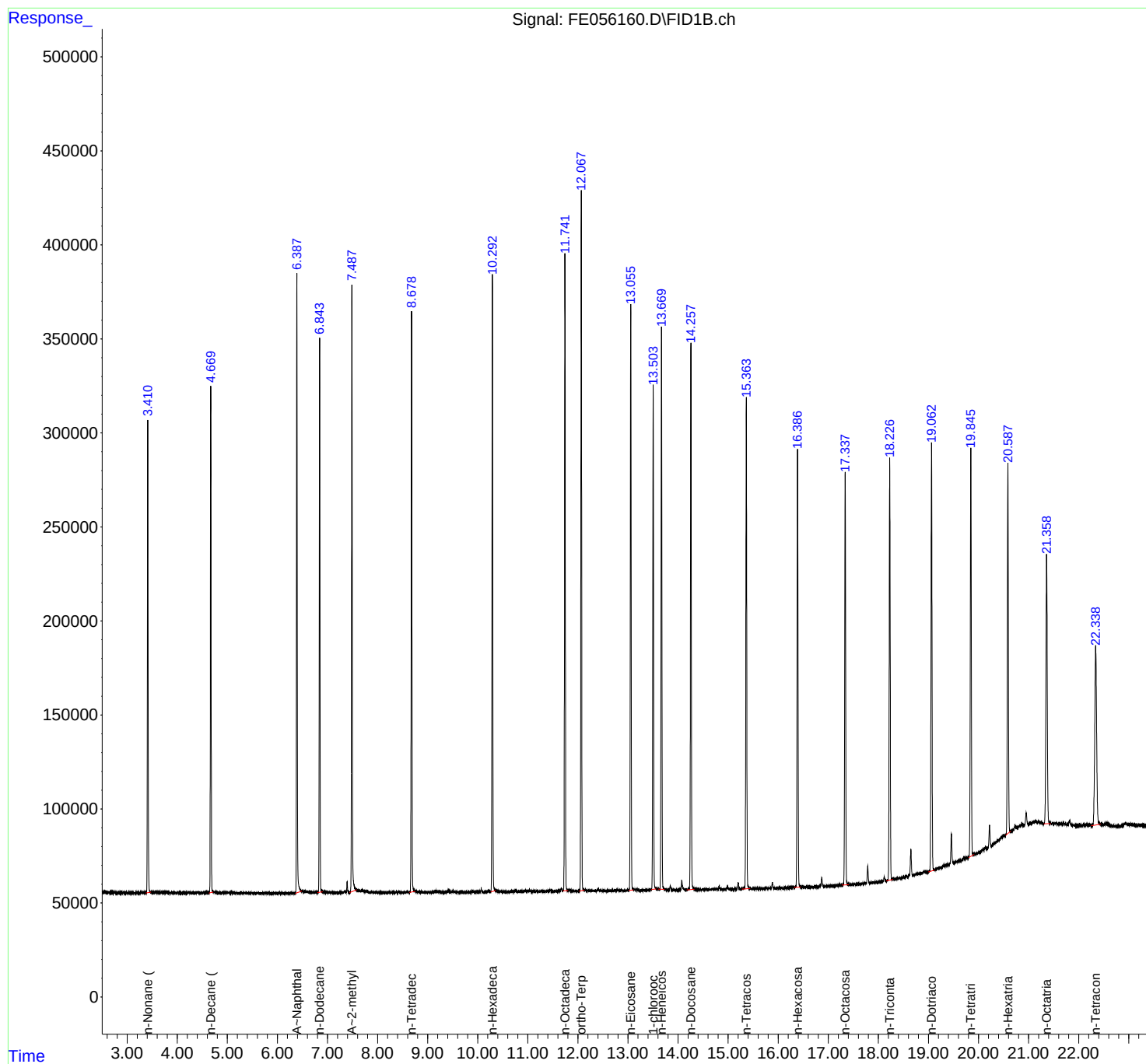
(m)=manual int.

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.:	Q3266
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.:	Q3266
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

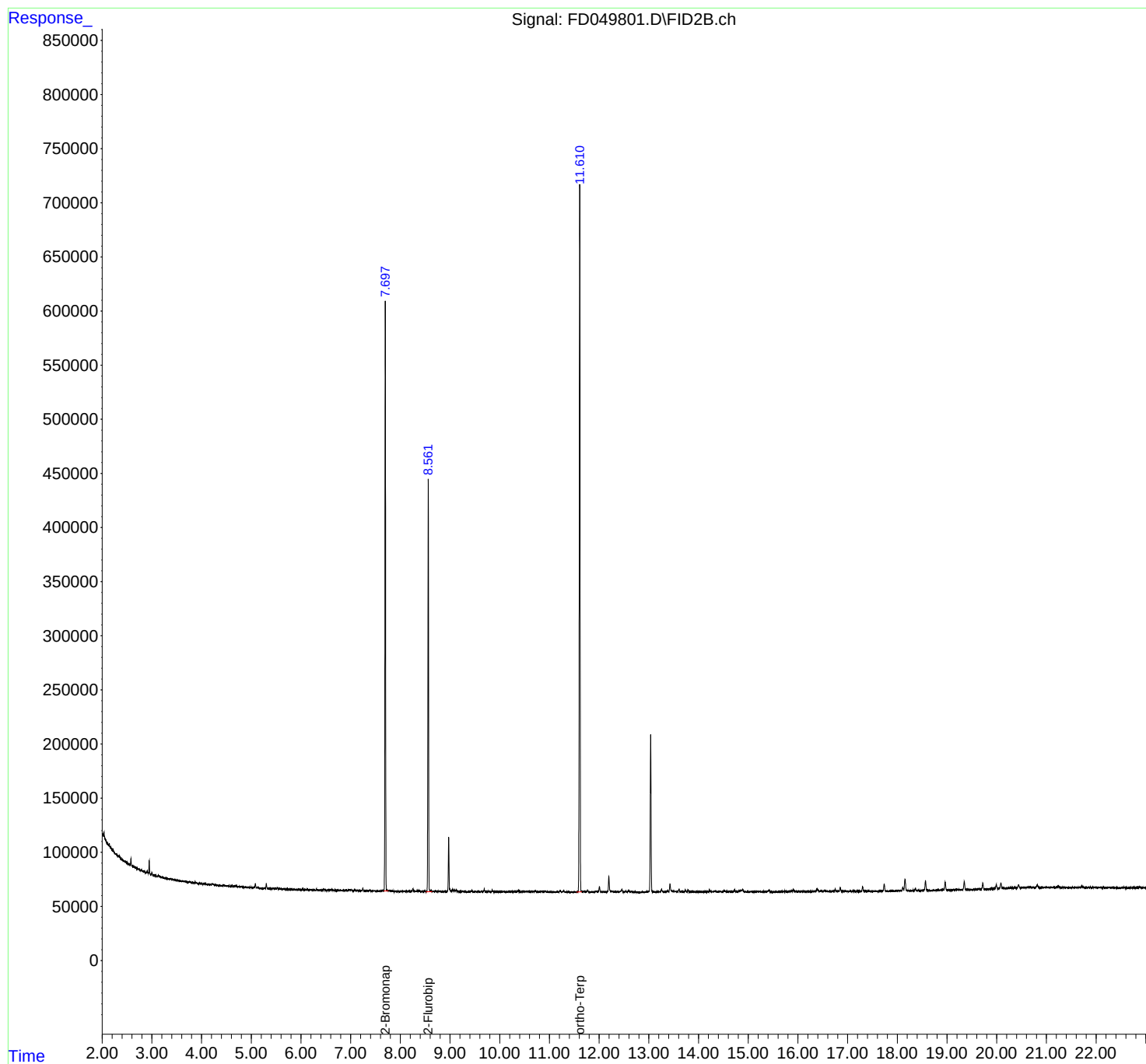
(m)=manual int.

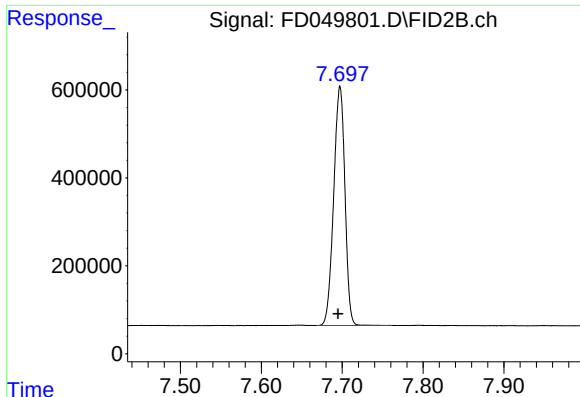
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100225AR\
Data File : FD049801.D
Signal(s) : FID2B.ch
Acq On : 02 Oct 2025 17:28
Operator : YP/AJ
Sample : PB169950BL
Misc :
ALS Vial : 64 Sample Multiplier: 1

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

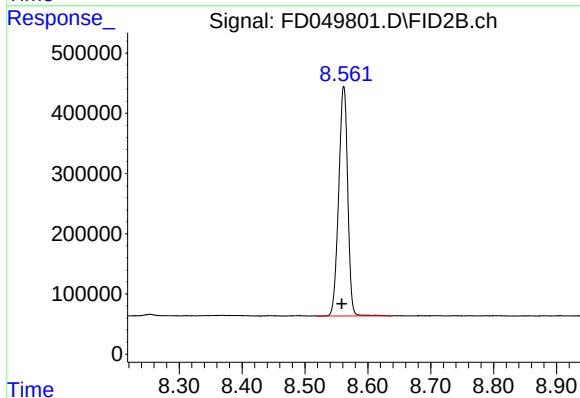




#4 2-Bromonaphthalene (SURRE)

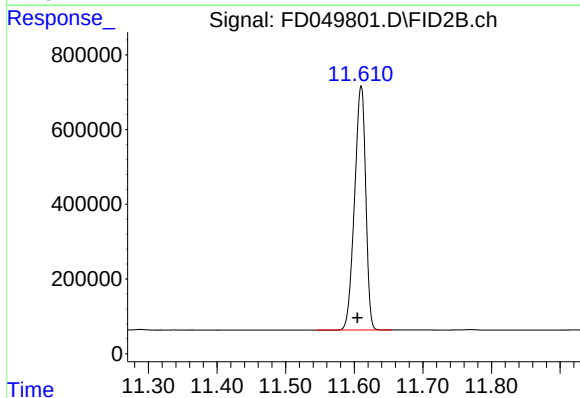
R.T.: 7.697 min
Delta R.T.: 0.002 min
Response: 5250030
Conc: 44.19 ug/ml

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.:	Q3266
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

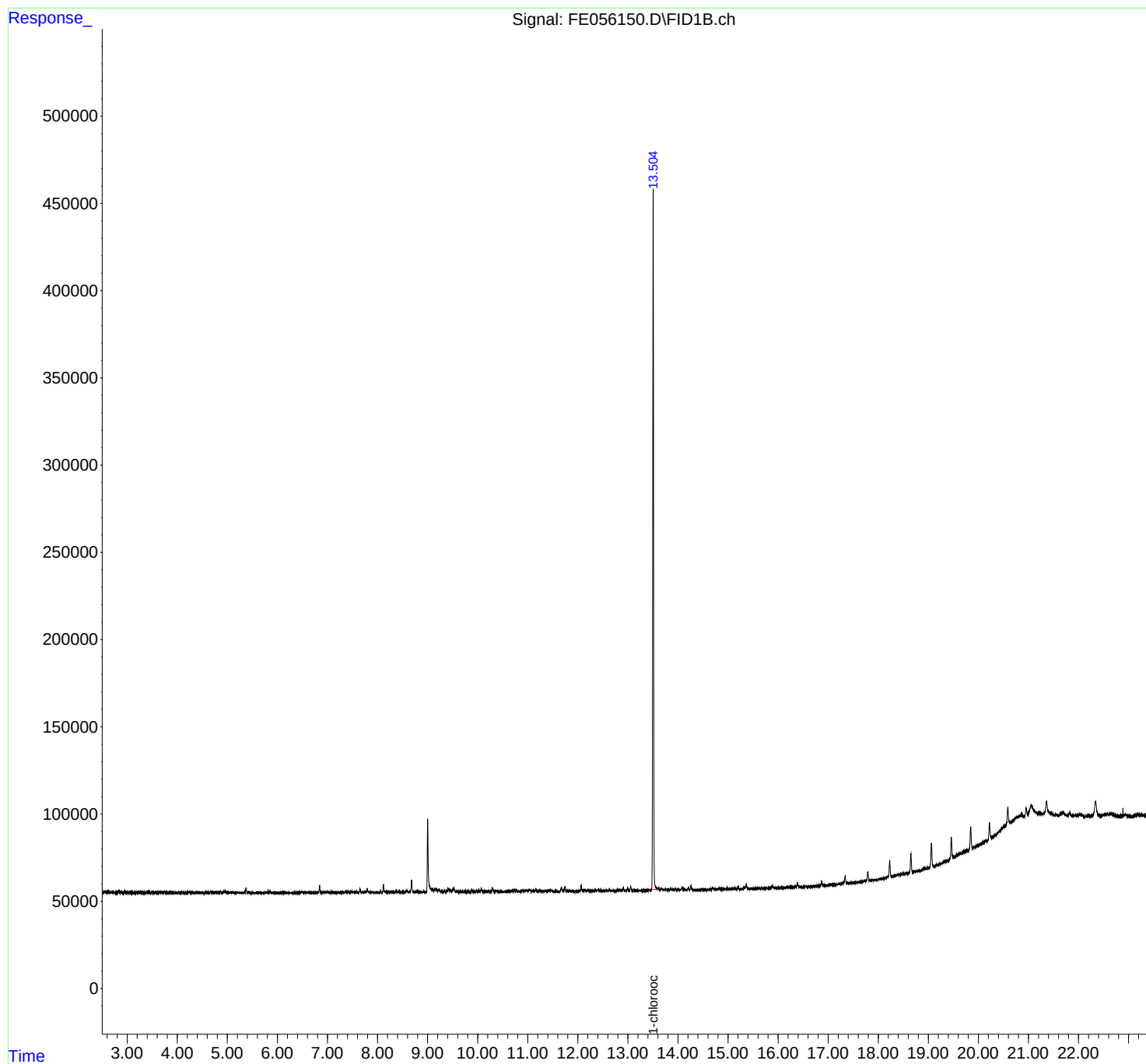
(m)=manual int.

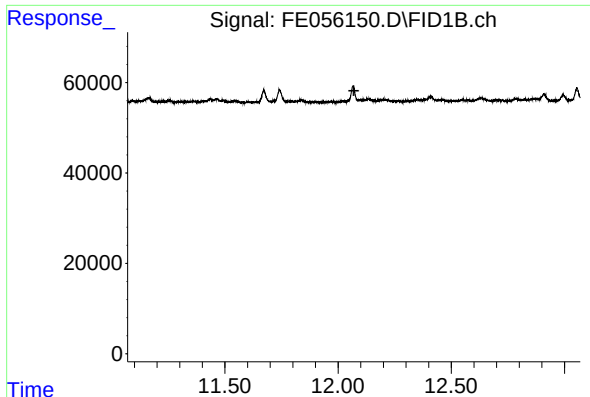
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100225AL\
Data File : FE056150.D
Signal(s) : FID1B.ch
Acq On : 02 Oct 2025 16:33
Operator : YP\AJ
Sample : PB169950BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

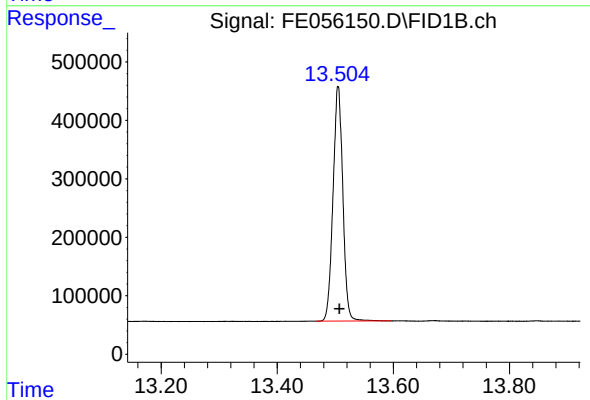




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_E
ClientSampleId :
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.:	Q3266
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.:	Q3266
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

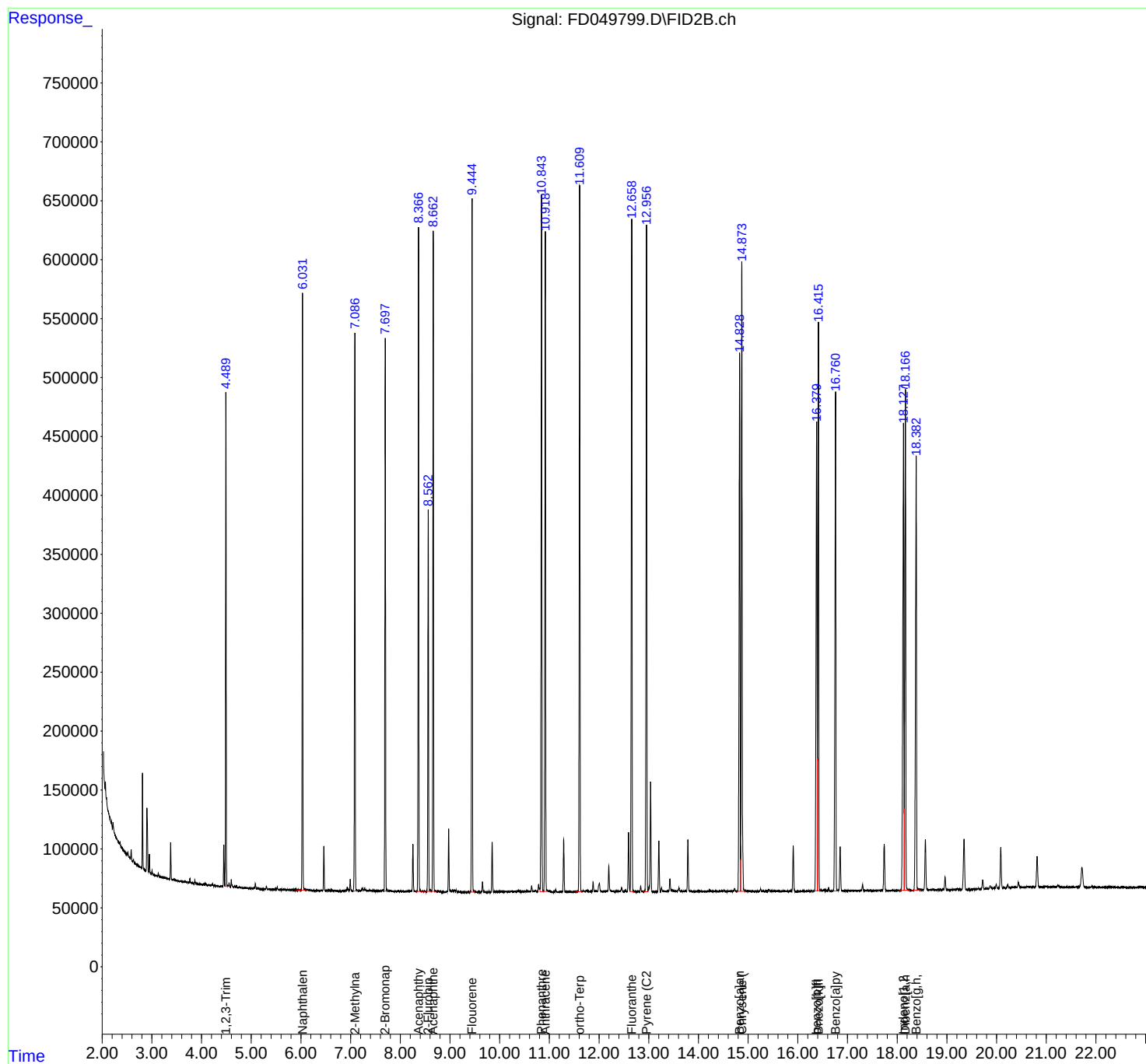
(m)=manual int.

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.:	Q3266
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

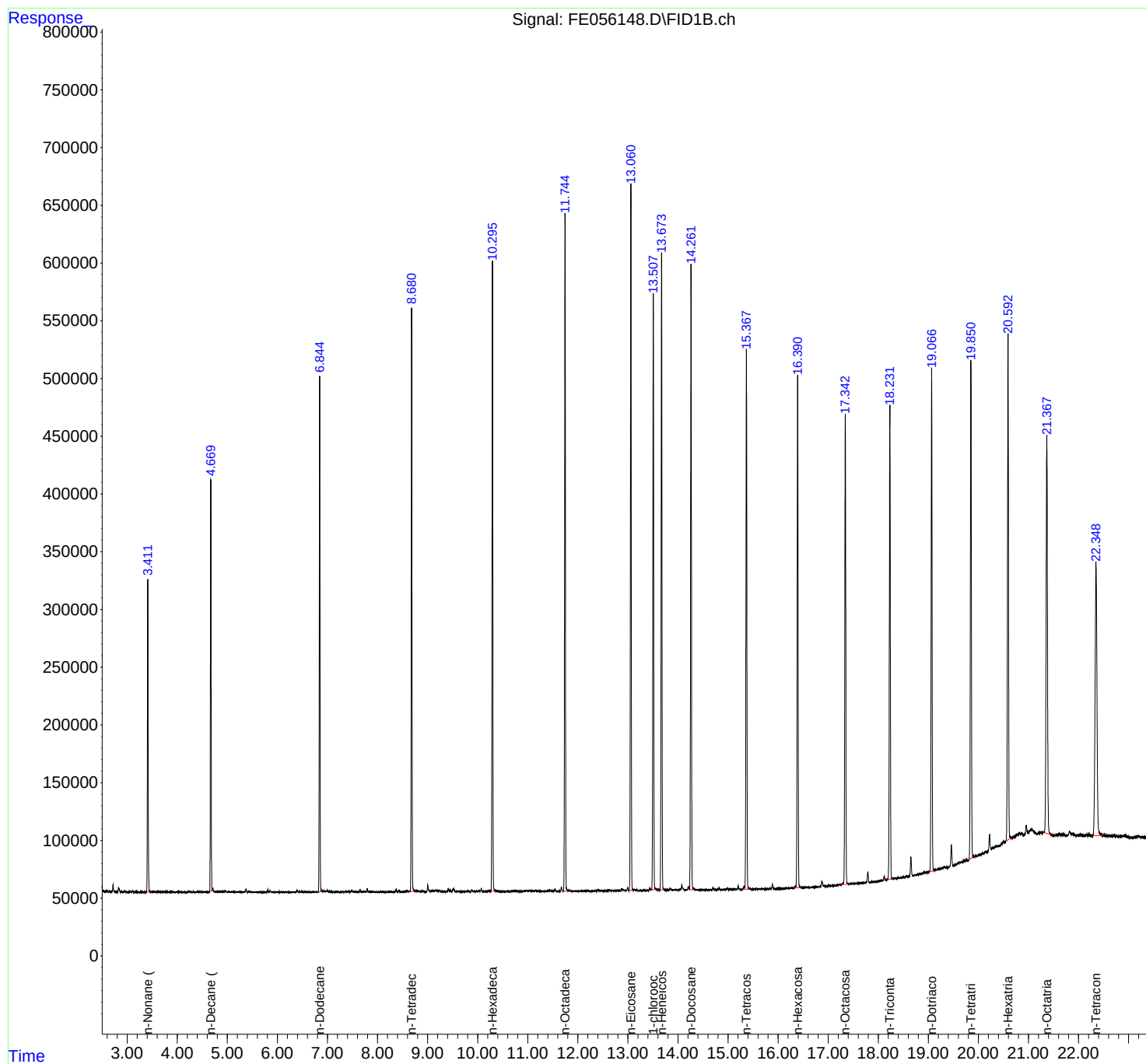
(m)=manual int.

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.:	Q3266
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.:	Q3266
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.:	Q3266
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

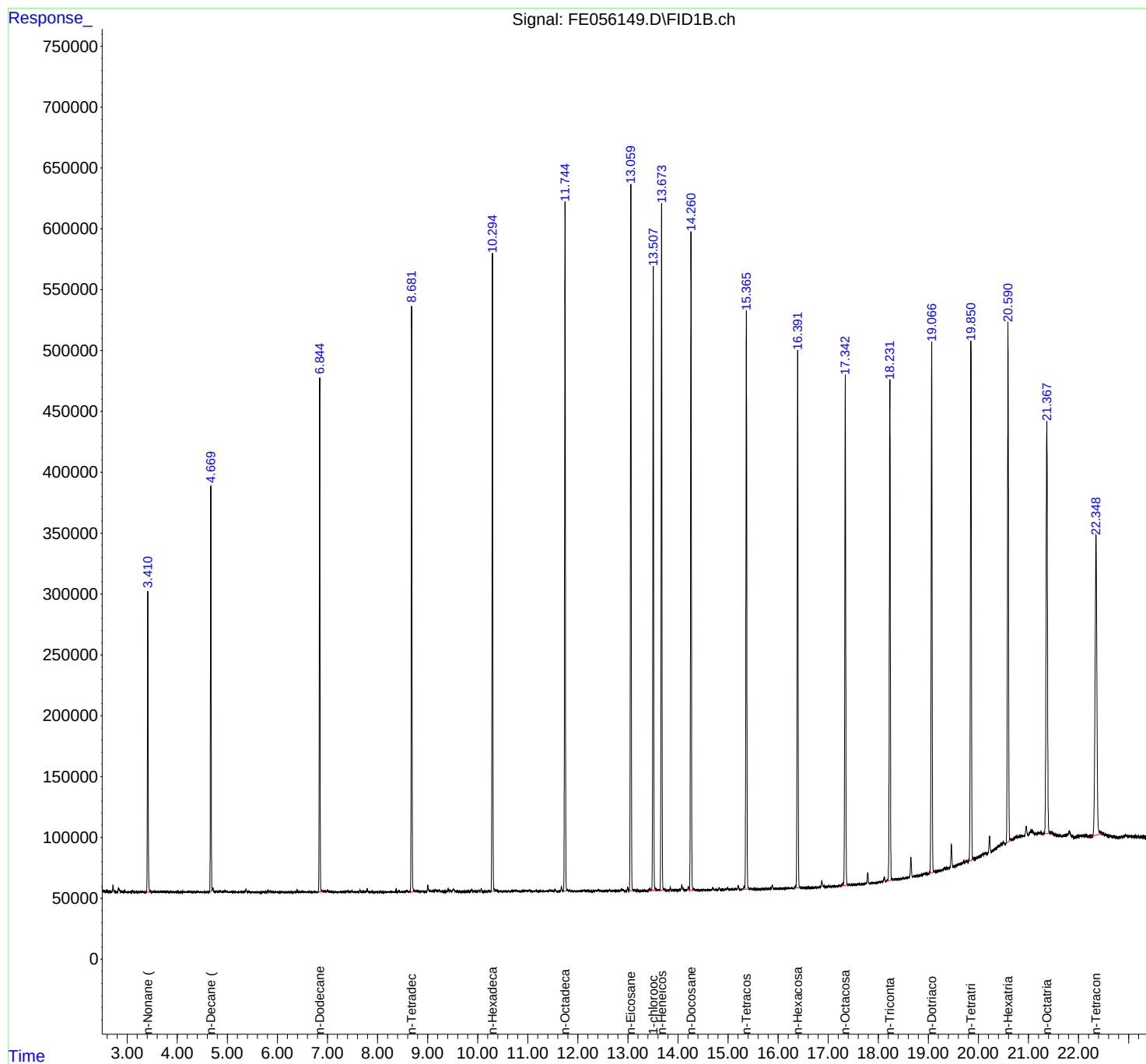
(m)=manual int.

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.:	Q3266
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.:	Q3266
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 Fluorene (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

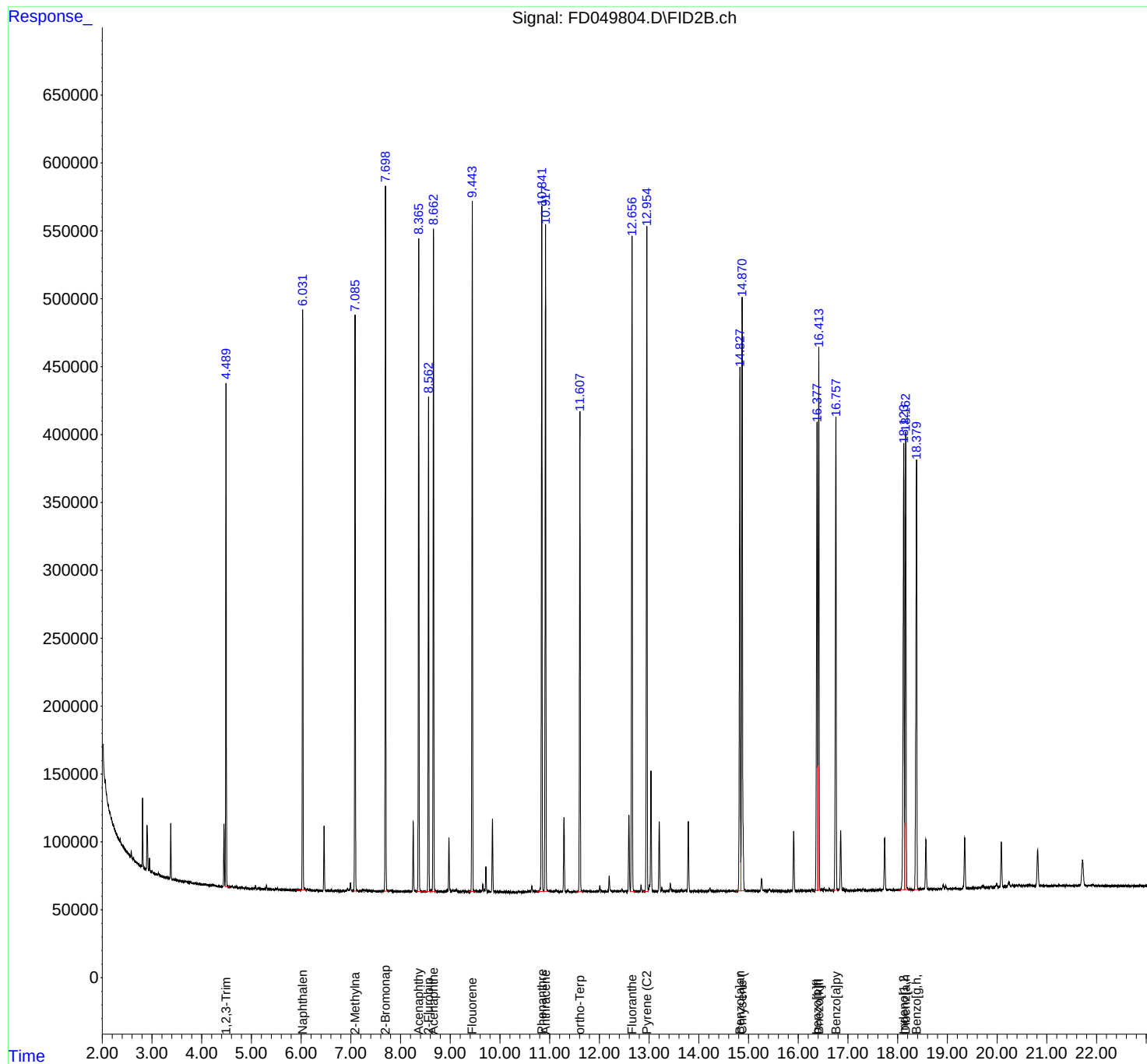
(m)=manual int.

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%

					rteres			
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%

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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%

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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%

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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.:	Q3266
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

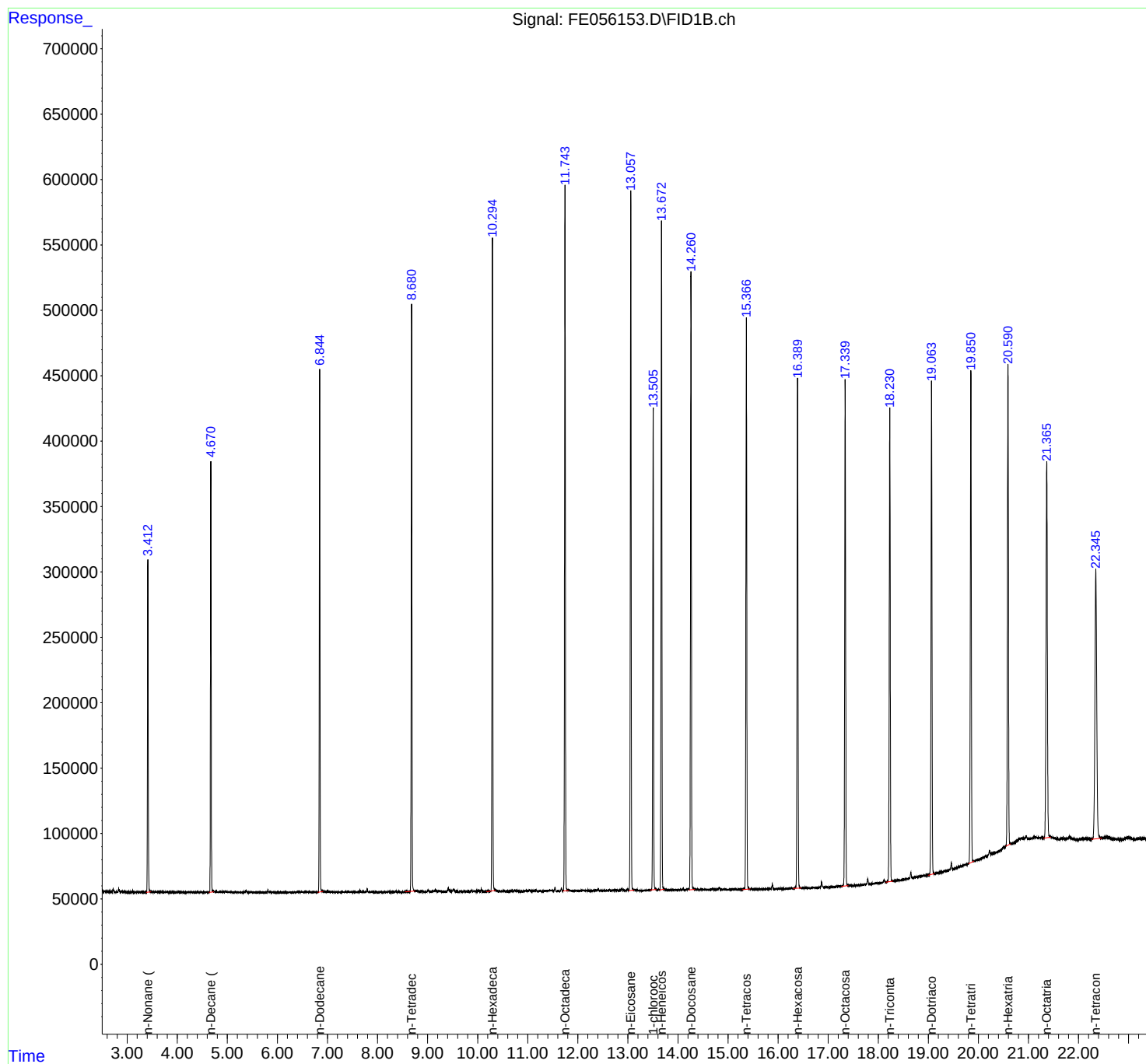
(m)=manual int.

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%

					rteres			
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%

rteres								
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.:	Q3266
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.:	Q3266
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

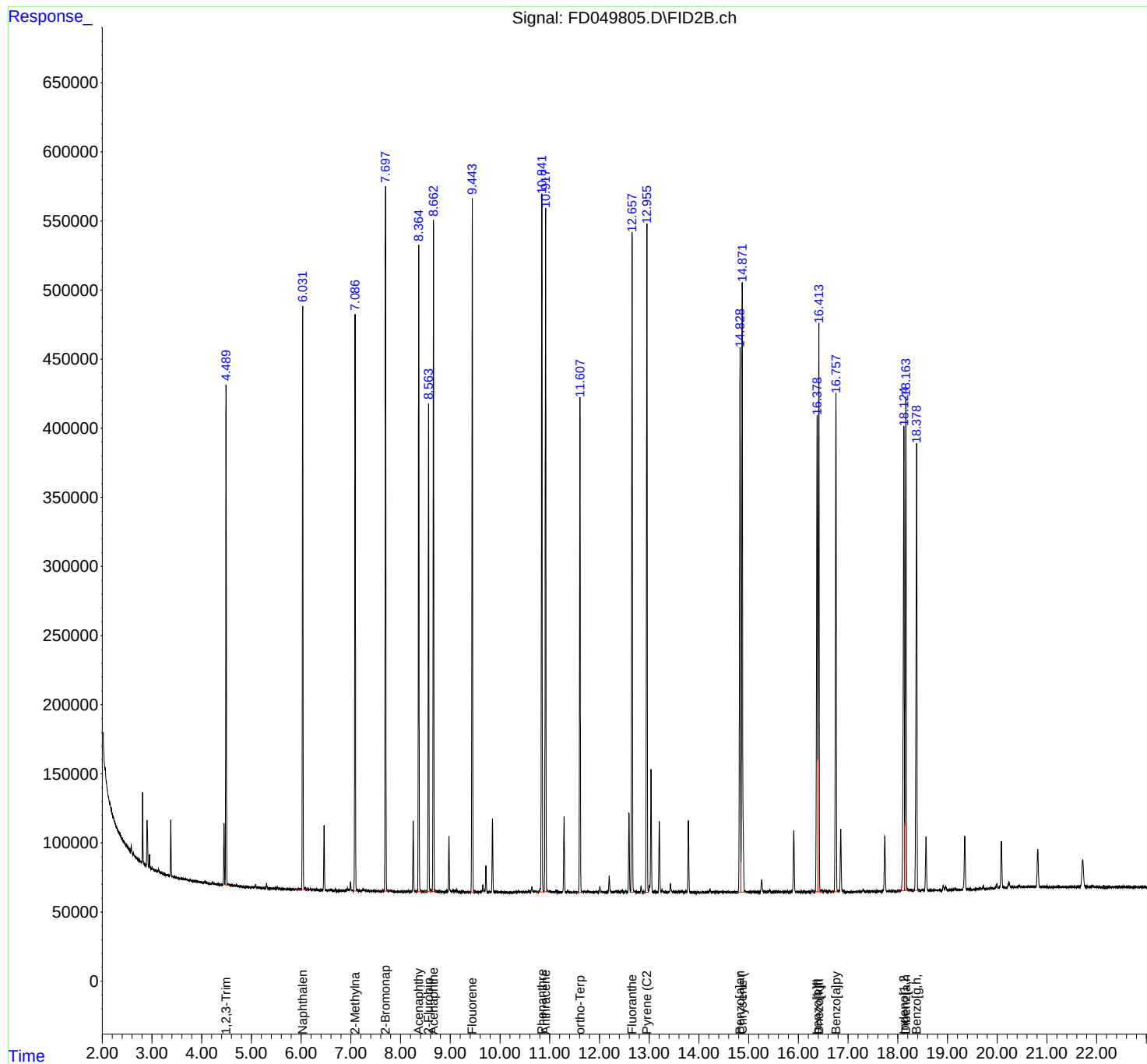
(m)=manual int.

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%

					rteres			
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%

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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.:	Q3266
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

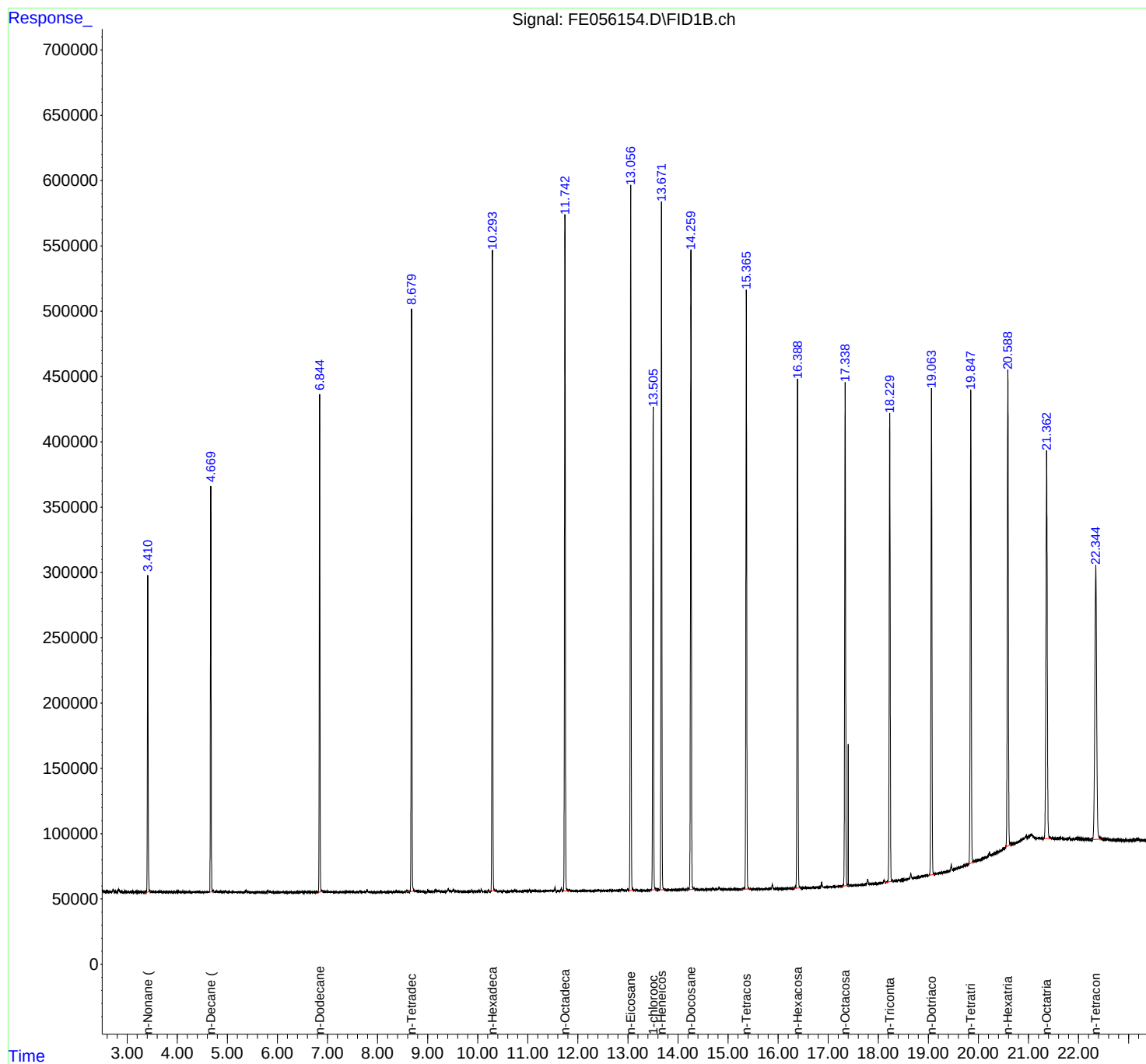
(m)=manual int.

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%

					rteres			
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%

					rteres			
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

Manual Integration Report

Sequence:

FD100325AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169974BS	FD049818.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/6/2025 7:40:44 AM	 	 	Peak Integrated by Software
PB169974BS	FD049818.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/6/2025 7:40:44 AM	 	 	Peak Integrated by Software
PB169974BSD	FD049819.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/6/2025 7:40:47 AM	 	 	Peak Integrated by Software
PB169974BSD	FD049819.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/6/2025 7:40:47 AM	 	 	Peak Integrated by Software



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_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD100325AR

Review By	yogesh	Review On	10/3/2025 10:52:31 AM
Supervise By		Supervise On	
SubDirectory	FD100325AR	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	FD049812.D	03 Oct 2025 08:59	YP/AJ	Ok
2	I.BLK	FD049813.D	03 Oct 2025 09:38	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049814.D	03 Oct 2025 10:19	YP/AJ	Ok
4	Q3266-01	FD049815.D	03 Oct 2025 11:00	YP/AJ	Ok
5	I.BLK	FD049816.D	03 Oct 2025 12:02	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD049817.D	03 Oct 2025 14:08	YP/AJ	Ok
7	PB169974BS	FD049818.D	03 Oct 2025 15:02	YP/AJ	Ok,NS
8	PB169974BSD	FD049819.D	03 Oct 2025 15:45	YP/AJ	Ok,NS
9	PB169974BL	FD049820.D	03 Oct 2025 16:29	YP/AJ	Ok
10	Q3263-01	FD049821.D	03 Oct 2025 17:13	YP/AJ	Ok
11	Q3263-02	FD049822.D	03 Oct 2025 17:57	YP/AJ	Ok
12	I.BLK	FD049823.D	03 Oct 2025 19:23	YP/AJ	Ok
13	20 PPM AROMATIC HC STD	FD049824.D	03 Oct 2025 20:06	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	Q3266-01	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_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD100325AR

Review By	yogesh	Review On	10/3/2025 10:52:31 AM
Supervise By		Supervise On	
SubDirectory	FD100325AR	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			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049812.D	03 Oct 2025 08:59		YP/AJ	Ok
2	I.BLK	I.BLK	FD049813.D	03 Oct 2025 09:38		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049814.D	03 Oct 2025 10:19		YP/AJ	Ok
4	Q3266-01	ENV-3-6FT	FD049815.D	03 Oct 2025 11:00		YP/AJ	Ok
5	I.BLK	I.BLK	FD049816.D	03 Oct 2025 12:02		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049817.D	03 Oct 2025 14:08		YP/AJ	Ok
7	PB169974BS	PB169974BS	FD049818.D	03 Oct 2025 15:02		YP/AJ	Ok,NS
8	PB169974BSD	PB169974BSD	FD049819.D	03 Oct 2025 15:45		YP/AJ	Ok,NS
9	PB169974BL	PB169974BL	FD049820.D	03 Oct 2025 16:29		YP/AJ	Ok
10	Q3263-01	251818	FD049821.D	03 Oct 2025 17:13		YP/AJ	Ok
11	Q3263-02	266380	FD049822.D	03 Oct 2025 17:57		YP/AJ	Ok
12	I.BLK	I.BLK	FD049823.D	03 Oct 2025 19:23		YP/AJ	Ok
13	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049824.D	03 Oct 2025 20:06		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	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	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: JB WWC
 Raw Sample Relinquished by: CP SN

Date/Time 10/01/25 17:30
 Raw Sample Received by: CP SN
 Raw Sample Relinquished by: JB WWC

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: rso wcy
Raw Sample Relinquished by: cfsr

Date/Time 10/01/25 17:30
Raw Sample Received by: cfsr
Raw Sample Relinquished by: rso 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

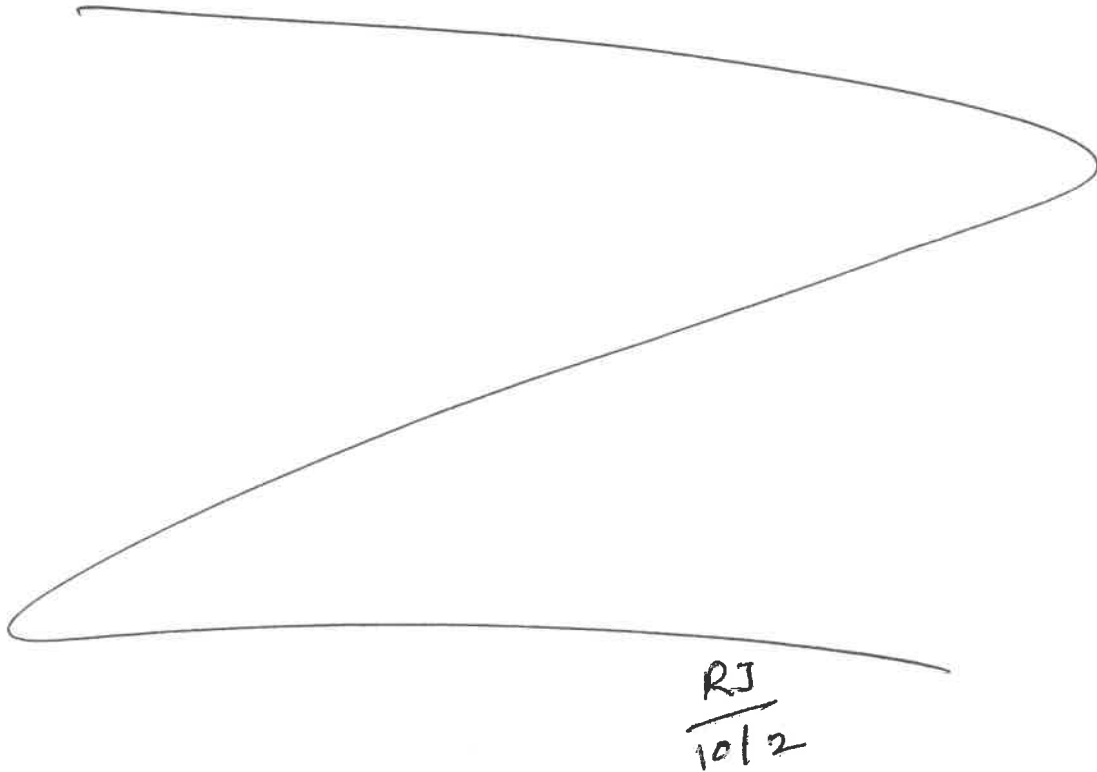
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/02/25	R3 (EXT-1 lab)	Y-P. Pestilous
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: 08837
ATTENTION: Marcie Encinas
PHONE: 908-642-5565 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: NECOGOWTPFEAS - Geotech Inv
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:
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. TCL VOC+10
2. TCL SVOC+20
3. TAL Metal
4. Mercury
5. PCB
6. TCL Pesticide
7. Herbicide
8. EPH
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-3 / 6ft	Soil		X	10/1/25	7:50	4	X	X	X	X	X	X	X	X		
2.	ENV-4 / 6ft	Soil		X	10/1/25	11:00	4	X	X	X	X	X	X	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. <u>M.H. [Signature]</u>	DATE/TIME: <u>10/1/25</u> <u>1410</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>4.7</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: 2. _____	Comments: _____
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10/1/25</u> <u>1500</u>	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 : Q3266	CAMP02	Order Date : 10/1/2025 3:15:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : MWCO CJO WTP Edison 2	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive Date/Time : 10/1/2025 3:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	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
Q3266-01	ENV-3-6FT	Solid	10/01/2025	07:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3266-02	ENV4-6FT	Solid	~~10/01/2025~~	11:00					
			10/02/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	

Transfer

Stored in VOA

Bz # 02 and Exhust

in roof # 06

Relinquished By :

Date / Time : 10/1/25 1530

Received By :

Date / Time : 10-1-25 15:35

Storage Area : VOA Refridgerator Room